

SWISS EPHEMERIS for the year 1591

JANUARY 1591 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|-----------|-----------|-----------|-----------|--------|--------|---------|--------|-------|--------|--------|--------|-------|--------|---|---|---|---|---|---|---|---|
| T 1 | 6 40 6 | 10°31'24" | 18°32'29" | 20°27'27" | 24°27'42" | 4°M25 | 12°M28 | 23°R58 | 21°K29 | 7°R27 | 12°Y14 | 24°E52 | 25°E33 | 1°E 8 | 14°R52 | | | | | | | | |
| W 2 | 6 44 3 | 11°11'35" | 2°Y42 | 21°50 | 25°58 | 5° 0 | 12°38 | 23°II54 | 21°31 | 7°L25 | 12°14 | 24°53 | 25°30 | 1°15 | 14°R51 | | | | | | | | |
| T 3 | 6 47 59 | 12°12'45" | 16°52 | 23°14 | 27°13 | 5°36 | 12°47 | 23°49 | 21°32 | 7°24 | 12°14 | 24°R53 | 25°26 | 1°21 | 14°49 | | | | | | | | |
| F 4 | 6 51 56 | 13°13'54" | 0°E58 | 24°39 | 28°28 | 6°11 | 12°56 | 23°45 | 21°34 | 7°22 | 12°14 | 24°53 | 25°23 | 1°28 | 14°48 | | | | | | | | |
| S 5 | 6 55 52 | 14°15'03" | 14°58 | 26° 4 | 29°44 | 6°47 | 13° 6 | 23°40 | 21°36 | 7°21 | 12°15 | 24°52 | 25°20 | 1°35 | 14°47 | | | | | | | | |
| S 6 | 6 59 49 | 15°16'12" | 28°49 | 27°31 | 0°E59 | 7°22 | 13°15 | 23°36 | 21°38 | 7°19 | 12°15 | 24°50 | 25°17 | 1°41 | 14°46 | | | | | | | | |
| M 7 | 7 3 45 | 16°17'20" | 12°II30 | 28°58 | 2°14 | 7°57 | 13°24 | 23°31 | 21°40 | 7°18 | 12°15 | 24°49 | 25°14 | 1°48 | 14°45 | | | | | | | | |
| T 8 | 7 7 42 | 17°18'27" | 25°58 | 0°E25 | 3°29 | 8°33 | 13°33 | 23°27 | 21°41 | 7°16 | 12°15 | 24°48 | 25°11 | 1°55 | 14°44 | | | | | | | | |
| W 9 | 7 11 39 | 18°19'34" | 9°E13 | 1°54 | 4°45 | 9° 8 | 13°42 | 23°23 | 21°43 | 7°14 | 12°16 | 24°48 | 25° 7 | 2° 2 | 14°43 | | | | | | | | |
| T 10 | 7 15 35 | 19°20'40" | 22°14 | 3°23 | 6° 0 | 9°43 | 13°50 | 23°18 | 21°45 | 7°13 | 12°16 | 24°D47 | 25° 4 | 2° 8 | 14°42 | | | | | | | | |
| F 11 | 7 19 32 | 20°21'46" | 4°L59 | 4°52 | 7°15 | 10°18 | 13°59 | 23°14 | 21°47 | 7°11 | 12°16 | 24°48 | 25° 1 | 2°15 | 14°41 | | | | | | | | |
| S 12 | 7 23 28 | 21°22'51" | 17°29 | 6°22 | 8°31 | 10°53 | 14° 8 | 23°10 | 21°49 | 7°10 | 12°17 | 24°48 | 24°58 | 2°22 | 14°40 | | | | | | | | |
| S 13 | 7 27 25 | 22°23'56" | 29°45 | 7°53 | 9°46 | 11°28 | 14°16 | 23° 6 | 21°51 | 7° 8 | 12°17 | 24°48 | 24°55 | 2°28 | 14°39 | | | | | | | | |
| M14 | 7 31 21 | 23°25'00" | 11°M51 | 9°24 | 11° 1 | 12° 3 | 14°24 | 23° 2 | 21°53 | 7° 6 | 12°17 | 24°48 | 24°52 | 2°35 | 14°39 | | | | | | | | |
| T 15 | 7 35 18 | 24°26'04" | 23°48 | 10°56 | 12°17 | 12°38 | 14°32 | 22°58 | 21°56 | 7° 5 | 12°18 | 24°R48 | 24°48 | 2°42 | 14°38 | | | | | | | | |
| W16 | 7 39 14 | 25°27'07" | 5°E40 | 12°29 | 13°32 | 13°13 | 14°40 | 22°55 | 21°58 | 7° 3 | 12°18 | 24°48 | 24°45 | 2°49 | 14°37 | | | | | | | | |
| T 17 | 7 43 11 | 26°28'10" | 17°32 | 14° 2 | 14°47 | 13°48 | 14°48 | 22°51 | 22° 0 | 7° 1 | 12°19 | 24°48 | 24°42 | 2°55 | 14°37 | | | | | | | | |
| F 18 | 7 47 8 | 27°29'12" | 29°28 | 15°35 | 16° 2 | 14°23 | 14°56 | 22°47 | 22° 2 | 7° 0 | 12°19 | 24°D48 | 24°39 | 3° 2 | 14°37 | | | | | | | | |
| S 19 | 7 51 4 | 28°30'14" | 11°M34 | 17°10 | 17°18 | 14°57 | 15° 3 | 22°44 | 22° 5 | 6°58 | 12°20 | 24°48 | 24°36 | 3° 9 | 14°36 | | | | | | | | |
| S 20 | 7 55 1 | 29°31'15" | 23°52 | 18°44 | 18°33 | 15°32 | 15°11 | 22°40 | 22° 7 | 6°56 | 12°20 | 24°49 | 24°32 | 3°15 | 14°36 | | | | | | | | |
| M21 | 7 58 57 | 0°E32'16" | 6°E29 | 20°20 | 19°48 | 16° 7 | 15°18 | 22°37 | 22° 9 | 6°55 | 12°21 | 24°49 | 24°29 | 3°22 | 14°36 | | | | | | | | |
| T 22 | 8 2 54 | 1°33'16" | 19°26 | 21°56 | 21° 4 | 16°41 | 15°25 | 22°34 | 22°12 | 6°53 | 12°21 | 24°50 | 24°26 | 3°29 | 14°36 | | | | | | | | |
| W23 | 8 6 50 | 2°34'15" | 2°E46 | 23°33 | 22°19 | 17°15 | 15°32 | 22°30 | 22°14 | 6°51 | 12°22 | 24°51 | 24°23 | 3°36 | 14°D36 | | | | | | | | |
| T 24 | 8 10 47 | 3°35'13" | 16°30 | 25°10 | 23°34 | 17°50 | 15°39 | 22°27 | 22°17 | 6°50 | 12°22 | 24°51 | 24°20 | 3°42 | 14°36 | | | | | | | | |
| F 25 | 8 14 43 | 4°36'11" | 0°E35 | 26°48 | 24°49 | 18°24 | 15°46 | 22°24 | 22°19 | 6°48 | 12°23 | 24°R51 | 24°17 | 3°49 | 14°36 | | | | | | | | |
| S 26 | 8 18 40 | 5°37'08" | 14°57 | 28°27 | 26° 5 | 18°58 | 15°52 | 22°21 | 22°22 | 6°46 | 12°24 | 24°51 | 24°13 | 3°56 | 14°36 | | | | | | | | |
| S 27 | 8 22 37 | 6°38'03" | 29°32 | 0°E 7 | 27°20 | 19°33 | 15°59 | 22°18 | 22°25 | 6°45 | 12°24 | 24°50 | 24°10 | 4° 2 | 14°36 | | | | | | | | |
| M28 | 8 26 33 | 7°38'57" | 14°K12 | 1°47 | 28°35 | 20° 7 | 16° 5 | 22°16 | 22°27 | 6°43 | 12°25 | 24°48 | 24° 7 | 4° 9 | 14°36 | | | | | | | | |
| T 29 | 8 30 30 | 8°39'50" | 28°52 | 3°28 | 29°51 | 20°41 | 16°11 | 22°13 | 22°30 | 6°41 | 12°26 | 24°46 | 24° 4 | 4°16 | 14°37 | | | | | | | | |
| W30 | 8 34 26 | 9°40'41" | 13°Y24 | 5° 9 | 1°E 6 | 21°14 | 16°17 | 22°10 | 22°33 | 6°40 | 12°27 | 24°45 | 24° 1 | 4°23 | 14°37 | | | | | | | | |
| T 31 | 8 38 23 | 10°41'31" | 27°Y45 | 6°E52 | 2°E21 | 21°M48 | 16°M23 | 22°II 8 | 22°K35 | 6°L38 | 12°Y27 | 24°E44 | 23°E57 | 4°E29 | 14°R38 | | | | | | | | |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | |
| T 1 | 23s 6 | 8s28 | 4s15 | 22s37 | 0n32 | 23s 8 | 0n15 | 11s53 | 1n13 | 14s35 | 1n 5 | 22n12 | 1s 9 | 4s 4 | 0s45 | 18n26 | 0s 1 | 10s58 | 17s11 | 21n12 | 21n 5 | 3n51 | 13n45 | 2s42 |
| W 2 | 23 1 | 3 24 | 4 53 | 22 51 | 0 23 | 23 13 | 0 12 | 12 5 | 1 13 | 14 38 | 1 5 | 22 12 | 1 9 | 4 3 | 0 45 | 18 26 | 0 1 | 10 57 | 17 10 | 21 12 | 21 5 | 3 49 | 13 44 | 2 42 |
| T 3 | 22 56 | 1n49 | 5 13 | 23 4 | 0 15 | 23 18 | 0 10 | 12 17 | 1 12 | 14 40 | 1 5 | 22 12 | 1 9 | 4 3 | 0 44 | 18 26 | 0 1 | 10 57 | 17 10 | 21 12 | 21 6 | 3 46 | 13 44 | 2 42 |
| F 4 | 22 50 | 6 55 | 5 15 | 23 15 | 0 8 | 23 22 | 0 7 | 12 29 | 1 12 | 14 43 | 1 5 | 22 12 | 1 9 | 4 2 | 0 44 | 18 27 | 0 1 | 10 57 | 17 10 | 21 12 | 21 6 | 3 44 | 13 44 | 2 42 |
| S 5 | 22 44 | 11 37 | 4 57 | 23 26 | 0s 0 | 23 25 | 0 5 | 12 41 | 1 12 | 14 46 | 1 6 | 22 12 | 1 9 | 4 1 | 0 44 | 18 27 | 0 1 | 10 56 | 17 9 | 21 12 | 21 7 | 3 41 | 13 43 | 2 42 |
| S 6 | 22 37 | 15 40 | 4 23 | 23 36 | 0 8 | 23 27 | 0 2 | 12 52 | 1 12 | 14 48 | 1 6 | 22 12 | 1 9 | 4 0 | 0 44 | 18 28 | 0 1 | 10 56 | 17 9 | 21 12 | 21 8 | 3 39 | 13 43 | 2 42 |
| M 7 | 22 30 | 18 49 | 3 34 | 23 44 | 0 15 | 23 28 | 0s 0 | 13 4 | 1 11 | 14 51 | 1 6 | 22 11 | 1 9 | 4 0 | 0 44 | 18 28 | 0 1 | 10 55 | 17 8 | 21 13 | 21 8 | 3 37 | 13 43 | 2 42 |
| T 8 | 22 22 | 20 53 | 2 33 | 23 52 | 0 22 | 23 29 | 0 3 | 13 16 | 1 11 | 14 54 | 1 6 | 22 11 | 1 8 | 3 59 | 0 44 | 18 28 | 0 1 | 10 55 | 17 8 | 21 13 | 21 9 | 3 34 | 13 43 | 2 42 |
| W 9 | 22 14 | 21 45 | 1 25 | 23 58 | 0 29 | 23 29 | 0 5 | 13 27 | 1 11 | 14 56 | 1 6 | 22 11 | 1 8 | 3 58 | 0 44 | 18 29 | 0 1 | 10 54 | 17 8 | 21 13 | 21 9 | 3 32 | 13 42 | 2 42 |
| T 10 | 22 6 | 21 25 | 0 14 | 24 3 | 0 36 | 23 29 | 0 8 | 13 38 | 1 11 | 14 59 | 1 6 | 22 11 | 1 8 | 3 57 | 0 44 | 18 29 | 0 1 | 10 54 | 17 7 | 21 13 | 21 10 | 3 30 | 13 42 | 2 42 |
| F 11 | 21 57 | 19 58 | 0n56 | 24 7 | 0 43 | 23 27 | 0 10 | 13 50 | 1 10 | 15 1 | 1 6 | 22 11 | 1 8 | 3 56 | 0 44 | 18 30 | 0 1 | 10 54 | 17 7 | 21 13 | 21 10 | 3 27 | 13 42 | 2 42 |
| S 12 | 21 47 | 17 34 | 2 3 | 24 10 | 0 49 | 23 25 | 0 12 | 14 1 | 1 10 | 15 3 | 1 6 | 22 11 | 1 8 | 3 56 | 0 44 | 18 30 | 0 1 | 10 53 | 17 7 | 21 13 | 21 11 | 3 25 | 13 42 | 2 42 |
| S 13 | 21 38 | 14 25 | 3 2 | 24 11 | 0 56 | 23 23 | 0 15 | 14 12 | 1 10 | 15 6 | 1 6 | 22 11 | 1 8 | 3 55 | 0 44 | 18 31 | 0 1 | 10 53 | 17 6 | 21 13 | 21 12 | 3 23 | 13 42 | 2 42 |
| M14 | 21 27 | 10 43 | 3 53 | 24 11 | 1 2 | 23 19 | 0 17 | 14 23 | 1 9 | 15 8 | 1 7 | 22 11 | 1 7 | 3 54 | 0 44 | 18 31 | 0 1 | 10 52 | 17 6 | 21 13 | 21 12 | 3 20 | 13 42 | 2 41 |
| T 15 | 21 17 | 6 38 | 4 32 | 24 10 | 1 8 | 23 15 | 0 20 | 14 34 | 1 9 | 15 10 | 1 7 | 22 11 | 1 7 | 3 53 | 0 44 | 18 31 | 0 1 | 10 52 | 17 6 | 21 13 | 21 13 | 3 18 | 13 42 | 2 41 |
| W16 | 21 6 | 2 20 | 5 0 | 24 7 | 1 13 | 23 10 | 0 22 | 14 45 | 1 9 | 15 13 | 1 7 | 22 11 | 1 7 | 3 52 | 0 44 | 18 32 | 0 1 | 10 51 | 17 5 | 21 13 | 21 13 | 3 16 | 13 41 | 2 41 |
| T 17 | 20 54 | 2s 3 | 5 15 | 24 3 | 1 19 | 23 4 | 0 24 | 14 55 | 1 9 | 15 15 | 1 7 | 22 11 | 1 7 | 3 51 | 0 44 | 18 32 | 0 1 | 10 51 | 17 5 | 21 13 | 21 14 | 3 13 | 13 41 | 2 41 |
| F 18 | 20 42 | 6 23 | 5 16 | 23 58 | 1 24 | 22 58 | 0 27 | 15 6 | 1 8 | 15 17 | 1 7 | 22 11 | 1 7 | 3 50 | 0 44 | 18 33 | 0 1 | 10 50 | 17 4 | 21 13 | 21 14 | 3 11 | 13 41 | 2 41 |
| S 19 | 20 30 | 10 31 | 5 4 | 23 51 | 1 29 | 22 51 | 0 29 | 15 17 | 1 8 | 15 19 | 1 7 | 22 11 | 1 7 | 3 49 | 0 44 | 18 33 | 0 1 | 10 50 | 17 4 | 21 13 | 21 15 | 3 8 | 13 41 | 2 41 |
| S 20 | 20 18 | 14 18 | 4 38 | 23 43 | 1 33 | 22 43 | 0 31 | 15 27 | 1 8 | 15 21 | 1 7 | 22 11 | 1 6 | 3 48 | 0 44 | 18 34 | 0 1 | 10 49 | 17 4 | 21 13 | 21 16 | 3 6 | 13 41 | 2 41 |
| M21 | 20 5 | 17 32 | 3 57 | 23 33 | 1 38 | 22 35 | 0 34 | 15 37 | 1 7 | 15 23 | 1 8 | 22 11 | 1 6 | 3 47 | 0 44 | 18 34 | 0 1 | 10 49 | 17 3 | 21 13 | 21 16 | 3 4 | 13 41 | 2 41 |
| T 22 | 19 51 | 20 1 | 3 4 | 23 22 | 1 42 | 22 26 | 0 36 | 15 48 | 1 7 | 15 25 | 1 8 | 22 11 | 1 6 | 3 46 | 0 44 | 18 34 | 0 1 | 10 48 | 17 3 | 21 12 | 21 17 | 3 1 | 13 41 | 2 41 |
| W23 | 19 38 | 21 28 | 1 59 | 23 10 | 1 45 | 22 16 | 0 38 | 15 58 | 1 6 | 15 27 | 1 8 | 22 11 | 1 6 | 3 45 | 0 44 | 18 35 | 0 1 | 10 48 | 17 3 | 21 12 | 21 17 | 2 59 | 13 41 | 2 41 |
| T 24 | 19 24 | 21 42 | 0 46 | 22 56 | 1 49 | 22 5 | 0 40 | 16 8 | 1 6 | 15 29 | 1 8 | 22 11 | 1 6 | 3 44 | 0 44 | 18 35 | 0 1 | 10 47 | 17 2 | 21 12 | 21 18 | 2 57 | 13 42 | 2 41 |
| F 25 | 19 9 | 20 35 | 0s32 | 22 40 | 1 52 | 21 54 | 0 42 | 16 17 | 1 6 | 15 30 | 1 8 | 22 11 | 1 5 | 3 43 | 0 44 | 18 36 | 0 1 | 10 46 | 17 2 | 21 12 | 21 18 | 2 54 | 13 42 | 2 41 |
| S 26 | 18 54 | 18 7 | 1 49 | 22 23 | 1 55 | 21 42 | 0 44 | 16 27 | 1 5 | 15 32 | 1 8 | 22 11 | 1 5 | 3 42 | 0 44 | 18 36 | 0 1 | 10 46 | 17 2 | 21 12 | 21 19 | 2 52 | 13 42 | 2 41 |
| S 27 | 18 39 | 14 28 | 3 0 | 22 5 | 1 57 | 21 30 | 0 46 | 16 37 | 1 5 | 15 34 | 1 8 | 22 11 | 1 5 | 3 41 | 0 44 | 18 37 | 0 1 | 10 45 | 17 1 | 21 13 | 21 20 | 2 49 | 13 42 | 2 40 |
| M28 | 18 24 | 9 55 | 4 0 | 21 45 | 1 59 | 21 17 | 0 48 | 16 46 | 1 4 | 15 36 | 1 9 | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1591

FEBRUARY 1591 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♆ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|------------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|---------------------|
| F 1 | 8 42 19 | 11 ^h 42'19" | 11 ^h 51' | 8 ^h 35' | 3 ^h 36' | 22 ^h 22' | 16 ^h 29' | 22°R 6 | 22 ^h 38' | 6°R36 | 12 ^h 28' | 24°D43 | 23 ^h 54' | 4 ^h 36' | 14 ^h 38' |
| S 2 | 8 46 16 | 12°43'06" | 25°40' | 10°19' | 4°51' | 22°56' | 16°34' | 22°II 3 | 22°41' | 6 ^h 35' | 12°29' | 24°E44 | 23°51' | 4°43' | 14°39' |
| S 3 | 8 50 12 | 13°43'51" | 9 ^h 14' | 12° 4' | 6° 7' | 23°29' | 16°39' | 22° 1 | 22°44' | 6°33' | 12°30' | 24°45' | 23°48' | 4°49' | 14°40' |
| M 4 | 8 54 9 | 14°44'35" | 22°32' | 13°49' | 7°22' | 24° 3' | 16°45' | 21°59' | 22°47' | 6°31' | 12°31' | 24°46' | 23°45' | 4°56' | 14°40' |
| T 5 | 8 58 6 | 15°45'17" | 5 ^h 35' | 15°36' | 8°37' | 24°36' | 16°50' | 21°57' | 22°49' | 6°30' | 12°31' | 24°48' | 23°42' | 5° 3' | 14°41' |
| W 6 | 9 2 2 | 16°45'57" | 18°26' | 17°23' | 9°52' | 25°10' | 16°54' | 21°55' | 22°52' | 6°28' | 12°32' | 24°R49 | 23°38' | 5°10' | 14°42' |
| T 7 | 9 5 59 | 17°46'36" | 1 ^h 04' | 19°10' | 11° 7' | 25°43' | 16°59' | 21°54' | 22°55' | 6°26' | 12°33' | 24°49' | 23°35' | 5°16' | 14°43' |
| F 8 | 9 9 55 | 18°47'14" | 13°32' | 20°59' | 12°22' | 26°16' | 17° 4' | 21°52' | 22°58' | 6°25' | 12°34' | 24°47' | 23°32' | 5°23' | 14°44' |
| S 9 | 9 13 52 | 19°47'49" | 25°49' | 22°48' | 13°38' | 26°49' | 17° 8' | 21°51' | 23° 1' | 6°23' | 12°35' | 24°45' | 23°29' | 5°30' | 14°45' |
| S 10 | 9 17 48 | 20°48'24" | 7 ^h 58' | 24°38' | 14°53' | 27°22' | 17°12' | 21°49' | 23° 4' | 6°21' | 12°36' | 24°41' | 23°26' | 5°36' | 14°46' |
| M11 | 9 21 45 | 21°48'57" | 19°59' | 26°29' | 16° 8' | 27°55' | 17°16' | 21°48' | 23° 7' | 6°20' | 12°37' | 24°36' | 23°23' | 5°43' | 14°48' |
| T 12 | 9 25 41 | 22°49'28" | 1 ^h 55' | 28°20' | 17°23' | 28°28' | 17°20' | 21°47' | 23°10' | 6°18' | 12°38' | 24°31' | 23°19' | 5°50' | 14°49' |
| W13 | 9 29 38 | 23°49'58" | 13°47' | 0 ^h 11' | 18°38' | 29° 0' | 17°24' | 21°46' | 23°13' | 6°16' | 12°39' | 24°26' | 23°16' | 5°57' | 14°50' |
| T 14 | 9 33 35 | 24°50'27" | 25°39' | 2° 3' | 19°53' | 29°33' | 17°27' | 21°45' | 23°16' | 6°15' | 12°40' | 24°22' | 23°13' | 6° 3' | 14°52' |
| F 15 | 9 37 31 | 25°50'54" | 7 ^h 34' | 3°55' | 21° 8' | 0 ^h 7' | 17°30' | 21°44' | 23°20' | 6°13' | 12°41' | 24°19' | 23°10' | 6°10' | 14°53' |
| S 16 | 9 41 28 | 26°51'20" | 19°36' | 5°47' | 22°23' | 0°38' | 17°34' | 21°43' | 23°23' | 6°12' | 12°42' | 24°17' | 23° 7' | 6°17' | 14°55' |
| S 17 | 9 45 24 | 27°51'45" | 1 ^h 51' | 7°39' | 23°38' | 1°10' | 17°37' | 21°43' | 23°26' | 6°10' | 12°43' | 24°D17 | 23° 3' | 6°23' | 14°56' |
| M18 | 9 49 21 | 28°52'08" | 14°23' | 9°30' | 24°53' | 1°42' | 17°39' | 21°42' | 23°29' | 6° 9' | 12°44' | 24°18' | 23° 0' | 6°30' | 14°58' |
| T 19 | 9 53 17 | 29°52'30" | 27°16' | 11°21' | 26° 8' | 2°14' | 17°42' | 21°42' | 23°32' | 6° 7' | 12°45' | 24°19' | 22°57' | 6°37' | 15° 0' |
| W20 | 9 57 14 | 0 ^h 52'51" | 10 ^h 33' | 13°11' | 27°23' | 2°46' | 17°44' | 21°41' | 23°35' | 6° 6' | 12°46' | 24°21' | 22°54' | 6°44' | 15° 1' |
| T 21 | 10 1 10 | 1°53'10" | 24°18' | 14°59' | 28°38' | 3°18' | 17°47' | 21°41' | 23°39' | 6° 4' | 12°47' | 24°R22 | 22°51' | 6°50' | 15° 3' |
| F 22 | 10 5 7 | 2°53'27" | 8 ^h 30' | 16°46' | 29°53' | 3°50' | 17°49' | 21°D41 | 23°42' | 6° 3' | 12°48' | 24°21' | 22°48' | 6°57' | 15° 5' |
| S 23 | 10 9 4 | 3°53'43" | 23° 7' | 18°30' | 1 ^h 8' | 4°21' | 17°51' | 21°41' | 23°45' | 6° 1' | 12°50' | 24°18' | 22°44' | 7° 4' | 15° 7' |
| S 24 | 10 13 0 | 4°53'56" | 8 ^h 2' | 20°12' | 2°23' | 4°53' | 17°52' | 21°41' | 23°49' | 6° 0' | 12°51' | 24°13' | 22°41' | 7°10' | 15° 9' |
| M25 | 10 16 57 | 5°54'08" | 23° 7' | 21°51' | 3°38' | 5°24' | 17°54' | 21°42' | 23°52' | 5°58' | 12°52' | 24° 7' | 22°38' | 7°17' | 15°11' |
| T 26 | 10 20 53 | 6°54'19" | 8 ^h 13' | 23°26' | 4°53' | 5°55' | 17°55' | 21°42' | 23°55' | 5°57' | 12°53' | 24° 1' | 22°35' | 7°24' | 15°13' |
| W27 | 10 24 50 | 7°54'27" | 23°10' | 24°56' | 6° 8' | 6°26' | 17°56' | 21°43' | 23°58' | 5°56' | 12°54' | 23°54' | 22°32' | 7°31' | 15°16' |
| T 28 | 10 28 46 | 8 ^h 54'33" | 7 ^h 50' | 26 ^h 22' | 7 ^h 23' | 6 ^h 57' | 17 ^h 57' | 21 ^h 43' | 24 ^h 2' | 5 ^h 54' | 12 ^h 55' | 23 ^h 49' | 22 ^h 29' | 7 ^h 37' | 15 ^h 18' |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♆ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat |
| F 1 | 17s19 | 10n38 | 5s 2 | 20s 9 | 2s 4 | 20s18 | 0s56 | 17s23 | 1n 3 | 15s42 | 1n 9 | 22n11 | 1s 4 | 3s36 | 0s44 |
| S 2 | 17 2 | 14 49 | 4 31 | 19 41 | 2 5 | 20 2 | 0 58 | 17 32 | 1 2 | 15 43 | 1 9 | 22 11 | 1 4 | 3 35 | 0 44 |
| S 3 | 16 44 | 18 10 | 3 46 | 19 12 | 2 4 | 19 45 | 0 59 | 17 41 | 1 2 | 15 45 | 1 9 | 22 11 | 1 4 | 3 33 | 0 43 |
| M 4 | 16 27 | 20 28 | 2 49 | 18 41 | 2 4 | 19 27 | 1 1 | 17 50 | 1 1 | 15 46 | 1 10 | 22 12 | 1 4 | 3 32 | 0 43 |
| T 5 | 16 9 | 21 38 | 1 44 | 18 9 | 2 3 | 19 9 | 1 3 | 17 59 | 1 1 | 15 47 | 1 10 | 22 12 | 1 3 | 3 31 | 0 43 |
| W 6 | 15 51 | 21 38 | 0 35 | 17 35 | 2 1 | 18 51 | 1 4 | 18 7 | 1 0 | 15 48 | 1 10 | 22 12 | 1 3 | 3 30 | 0 43 |
| T 7 | 15 32 | 20 31 | 0n34 | 16 59 | 1 59 | 18 32 | 1 6 | 18 16 | 1 0 | 15 50 | 1 10 | 22 12 | 1 3 | 3 29 | 0 43 |
| F 8 | 15 14 | 18 25 | 1 41 | 16 22 | 1 56 | 18 12 | 1 7 | 18 24 | 0 59 | 15 51 | 1 10 | 22 12 | 1 3 | 3 28 | 0 43 |
| S 9 | 14 55 | 15 29 | 2 42 | 15 43 | 1 53 | 17 52 | 1 9 | 18 32 | 0 58 | 15 52 | 1 10 | 22 12 | 1 3 | 3 26 | 0 43 |
| S 10 | 14 35 | 11 55 | 3 35 | 15 3 | 1 49 | 17 32 | 1 10 | 18 40 | 0 58 | 15 53 | 1 11 | 22 12 | 1 2 | 3 25 | 0 43 |
| M11 | 14 16 | 7 55 | 4 18 | 14 22 | 1 45 | 17 10 | 1 12 | 18 48 | 0 58 | 15 54 | 1 11 | 22 12 | 1 2 | 3 24 | 0 43 |
| T 12 | 13 56 | 3 39 | 4 49 | 13 39 | 1 40 | 16 49 | 1 13 | 18 56 | 0 57 | 15 55 | 1 11 | 22 12 | 1 2 | 3 23 | 0 43 |
| W13 | 13 36 | 0s44 | 5 7 | 12 54 | 1 35 | 16 27 | 1 14 | 19 4 | 0 56 | 15 56 | 1 11 | 22 13 | 1 2 | 3 22 | 0 43 |
| T 14 | 13 16 | 5 5 | 5 12 | 12 9 | 1 29 | 16 4 | 1 15 | 19 11 | 0 56 | 15 56 | 1 11 | 22 13 | 1 1 | 3 20 | 0 43 |
| F 15 | 12 56 | 9 16 | 5 4 | 11 22 | 1 22 | 15 41 | 1 16 | 19 19 | 0 55 | 15 57 | 1 11 | 22 13 | 1 1 | 3 19 | 0 43 |
| S 16 | 12 35 | 13 8 | 4 43 | 10 34 | 1 14 | 15 18 | 1 17 | 19 26 | 0 55 | 15 58 | 1 12 | 22 13 | 1 1 | 3 18 | 0 43 |
| S 17 | 12 15 | 16 32 | 4 8 | 9 45 | 1 6 | 14 54 | 1 18 | 19 34 | 0 54 | 15 59 | 1 12 | 22 13 | 1 1 | 3 16 | 0 43 |
| M18 | 11 54 | 19 15 | 3 21 | 8 55 | 0 58 | 14 30 | 1 19 | 19 41 | 0 53 | 15 59 | 1 12 | 22 13 | 1 1 | 3 15 | 0 43 |
| T 19 | 11 32 | 21 5 | 2 22 | 8 4 | 0 48 | 14 5 | 1 20 | 19 48 | 0 53 | 16 0 | 1 12 | 22 13 | 1 0 | 3 14 | 0 43 |
| W20 | 11 11 | 21 50 | 1 15 | 7 13 | 0 38 | 13 40 | 1 21 | 19 55 | 0 52 | 16 0 | 1 12 | 22 14 | 1 0 | 3 13 | 0 43 |
| T 21 | 10 50 | 21 18 | 0 0 | 6 21 | 0 28 | 13 15 | 1 22 | 20 1 | 0 51 | 16 1 | 1 12 | 22 14 | 1 0 | 3 11 | 0 43 |
| F 22 | 10 28 | 19 24 | 1s16 | 5 29 | 0 17 | 12 49 | 1 22 | 20 8 | 0 50 | 16 1 | 1 12 | 22 14 | 1 0 | 3 10 | 0 43 |
| S 23 | 10 6 | 16 12 | 2 30 | 4 38 | 0 5 | 12 23 | 1 23 | 20 15 | 0 50 | 16 1 | 1 13 | 22 14 | 1 0 | 3 9 | 0 43 |
| S 24 | 9 44 | 11 53 | 3 35 | 3 46 | 0n 7 | 11 57 | 1 24 | 20 21 | 0 49 | 16 2 | 1 13 | 22 14 | 0 59 | 3 7 | 0 43 |
| M25 | 9 22 | 6 47 | 4 25 | 2 56 | 0 20 | 11 30 | 1 24 | 20 28 | 0 48 | 16 2 | 1 13 | 22 15 | 0 59 | 3 6 | 0 43 |
| T 26 | 9 0 | 1 17 | 4 57 | 2 6 | 0 33 | 11 3 | 1 25 | 20 34 | 0 47 | 16 2 | 1 13 | 22 15 | 0 59 | 3 5 | 0 43 |
| W27 | 8 37 | 4n14 | 5 9 | 1 18 | 0 47 | 10 36 | 1 25 | 20 40 | 0 47 | 16 2 | 1 13 | 22 15 | 0 59 | 3 3 | 0 43 |
| T 28 | 8s15 | 9n25 | 5s 0 | 0s31 | 1n 1 | 10s 8 | 1s25 | 20s46 | 0n46 | 16s 2 | 1n13 | 22n15 | 0s59 | 3s 2 | 0s43 |

Julian Day Number = 2302191.5, Delta T = 124.74 sec
 Ecliptic obliquity = 23°29'29", Nutation = -0°00'15"
 Ayanamsha: Fagan/Bradley = 19°02'01", Lahiri = 18°09'01" Greg. Calendar

SWISS EPHEMERIS for the year 1591

MARCH 1591 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♄ | ♃ | ♅ | ♁ | ♆ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|--------|-------|--------|-------|-------|-------|--------|--------|--------|-------|--------|
| F 1 | 10 32 43 | 9°54'36 | 22♁ 7 | 27♁42 | 8♁38 | 7♁27 | 17♁58 | 21♁44 | 24♁ 5 | 5°R53 | 12°P57 | 23°R46 | 22°E25 | 7°A44 | 15°B20 |
| S 2 | 10 36 39 | 10°54'38 | 6♁ 1 | 28°56 | 9°53 | 7°58 | 17°58 | 21°45 | 24° 9 | 5°L51 | 12°58 | 23°D44 | 22°22 | 7°51 | 15°23 |
| S 3 | 10 40 36 | 11°54'38 | 19°30 | 0°Y 4 | 11° 8 | 8°28 | 17°59 | 21°46 | 24°12 | 5°50 | 12°59 | 23°E44 | 22°19 | 7°58 | 15°25 |
| M 4 | 10 44 32 | 12°54'35 | 2°E37 | 1° 5 | 12°23 | 8°59 | 17°R59 | 21°47 | 24°15 | 5°49 | 13° 0 | 23°45 | 22°16 | 8° 4 | 15°28 |
| T 5 | 10 48 29 | 13°54'30 | 15°27 | 1°58 | 13°37 | 9°29 | 17°59 | 21°48 | 24°19 | 5°48 | 13° 2 | 23°47 | 22°13 | 8°11 | 15°30 |
| W 6 | 10 52 26 | 14°54'23 | 28° 1 | 2°44 | 14°52 | 9°59 | 17°59 | 21°50 | 24°22 | 5°46 | 13° 3 | 23°R47 | 22° 9 | 8°18 | 15°33 |
| T 7 | 10 56 22 | 15°54'14 | 10♁22 | 3°21 | 16° 7 | 10°28 | 17°58 | 21°51 | 24°25 | 5°45 | 13° 4 | 23°45 | 22° 6 | 8°24 | 15°35 |
| F 8 | 11 0 19 | 16°54'02 | 22°35 | 3°50 | 17°22 | 10°58 | 17°58 | 21°52 | 24°29 | 5°44 | 13° 6 | 23°41 | 22° 3 | 8°31 | 15°38 |
| S 9 | 11 4 15 | 17°53'49 | 4♁40 | 4°11 | 18°37 | 11°28 | 17°57 | 21°54 | 24°32 | 5°43 | 13° 7 | 23°35 | 22° 0 | 8°38 | 15°41 |
| S 10 | 11 8 12 | 18°53'33 | 16°40 | 4°23 | 19°51 | 11°57 | 17°56 | 21°56 | 24°36 | 5°42 | 13° 8 | 23°26 | 21°57 | 8°45 | 15°44 |
| M11 | 11 12 8 | 19°53'15 | 28°35 | 4°R26 | 21° 6 | 12°26 | 17°55 | 21°58 | 24°39 | 5°41 | 13° 9 | 23°16 | 21°54 | 8°51 | 15°47 |
| T 12 | 11 16 5 | 20°52'55 | 10♁29 | 4°21 | 22°21 | 12°55 | 17°54 | 22° 0 | 24°43 | 5°39 | 13°11 | 23° 4 | 21°50 | 8°58 | 15°49 |
| W13 | 11 20 1 | 21°52'34 | 22°21 | 4° 8 | 23°36 | 13°24 | 17°52 | 22° 2 | 24°46 | 5°38 | 13°12 | 22°53 | 21°47 | 9° 5 | 15°52 |
| T 14 | 11 23 58 | 22°52'10 | 4♁14 | 3°47 | 24°50 | 13°52 | 17°50 | 22° 4 | 24°49 | 5°37 | 13°13 | 22°43 | 21°44 | 9°11 | 15°55 |
| F 15 | 11 27 55 | 23°51'45 | 16°10 | 3°19 | 26° 5 | 14°20 | 17°48 | 22° 6 | 24°53 | 5°36 | 13°15 | 22°34 | 21°41 | 9°18 | 15°58 |
| S 16 | 11 31 51 | 24°51'18 | 28°13 | 2°45 | 27°19 | 14°49 | 17°46 | 22° 9 | 24°56 | 5°35 | 13°16 | 22°28 | 21°38 | 9°25 | 16° 2 |
| S 17 | 11 35 48 | 25°50'49 | 10♁26 | 2° 6 | 28°34 | 15°17 | 17°44 | 22°11 | 25° 0 | 5°34 | 13°18 | 22°25 | 21°34 | 9°32 | 16° 5 |
| M18 | 11 39 44 | 26°50'18 | 22°54 | 1°21 | 29°49 | 15°44 | 17°42 | 22°14 | 25° 3 | 5°33 | 13°19 | 22°D24 | 21°31 | 9°38 | 16° 8 |
| T 19 | 11 43 41 | 27°49'46 | 5♁41 | 0°33 | 1°Y 3 | 16°12 | 17°39 | 22°16 | 25° 7 | 5°32 | 13°20 | 22°R24 | 21°28 | 9°45 | 16°11 |
| W20 | 11 47 37 | 28°49'12 | 18°51 | 29♁43 | 2°18 | 16°39 | 17°36 | 22°19 | 25°10 | 5°32 | 13°22 | 22°R24 | 21°25 | 9°52 | 16°14 |
| T 21 | 11 51 34 | 29°48'36 | 2°E28 | 28°51 | 3°32 | 17° 6 | 17°33 | 22°22 | 25°13 | 5°31 | 13°23 | 22°24 | 21°22 | 9°58 | 16°18 |
| F 22 | 11 55 30 | 0°Y47'58 | 16°35 | 27°59 | 4°47 | 17°33 | 17°30 | 22°25 | 25°17 | 5°30 | 13°24 | 22°22 | 21°19 | 10° 5 | 16°21 |
| S 23 | 11 59 27 | 1°47'19 | 1♁ 9 | 27° 7 | 6° 2 | 18° 0 | 17°27 | 22°28 | 25°20 | 5°29 | 13°26 | 22°17 | 21°15 | 10°12 | 16°25 |
| S 24 | 12 3 24 | 2°46'37 | 16° 8 | 26°17 | 7°16 | 18°26 | 17°23 | 22°31 | 25°24 | 5°28 | 13°27 | 22°10 | 21°12 | 10°19 | 16°28 |
| M25 | 12 7 20 | 3°45'54 | 1°Y22 | 25°30 | 8°31 | 18°52 | 17°20 | 22°35 | 25°27 | 5°28 | 13°29 | 22° 0 | 21° 9 | 10°25 | 16°31 |
| T 26 | 12 11 17 | 4°45'08 | 16°43 | 24°46 | 9°45 | 19°18 | 17°16 | 22°38 | 25°30 | 5°27 | 13°30 | 21°50 | 21° 6 | 10°32 | 16°35 |
| W27 | 12 15 13 | 5°44'20 | 1♁56 | 24° 6 | 11° 0 | 19°44 | 17°12 | 22°42 | 25°34 | 5°26 | 13°31 | 21°39 | 21° 3 | 10°39 | 16°39 |
| T 28 | 12 19 10 | 6°43'30 | 16°53 | 23°30 | 12°14 | 20° 9 | 17° 8 | 22°45 | 25°37 | 5°26 | 13°33 | 21°30 | 21° 0 | 10°46 | 16°42 |
| F 29 | 12 23 6 | 7°42'38 | 1♁26 | 23° 0 | 13°28 | 20°34 | 17° 3 | 22°49 | 25°41 | 5°25 | 13°34 | 21°24 | 20°56 | 10°52 | 16°46 |
| S 30 | 12 27 3 | 8°41'44 | 15°30 | 22°34 | 14°43 | 20°59 | 16°59 | 22°53 | 25°44 | 5°24 | 13°36 | 21°19 | 20°53 | 10°59 | 16°49 |
| S 31 | 12 30 59 | 9°Y40'47 | 29♁ 6 | 22♁14 | 15°Y57 | 21♁23 | 16♁54 | 22♁57 | 25♁47 | 5♁24 | 13°Y37 | 21♁18 | 20♁50 | 11♁ 6 | 16♁53 |

| 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 | 7s52 | 13n57 | 4s32 | 0n14 | 1n15 | 9s40 | 1s26 | 20s52 | 0n45 | 16s 3 | 1n14 | 22n16 | 0s58 | 3s 1 | 0s43 | 18n50 | 0s 1 | 10s25 | 16s52 | 21n24 | 21n37 | 1n30 | 13n57 | 2s38 |
| S 2 | 7 29 | 17 36 | 3 49 | 0 56 | 1 29 | 9 12 | 1 26 | 20 58 | 0 44 | 16 3 | 1 14 | 22 16 | 0 58 | 2 59 | 0 43 | 18 50 | 0 1 | 10 24 | 16 52 | 21 24 | 21 38 | 1 27 | 13 58 | 2 38 |
| S 3 | 7 27 | 20 11 | 2 54 | 1 36 | 1 43 | 8 44 | 1 26 | 21 3 | 0 43 | 16 2 | 1 14 | 22 16 | 0 58 | 2 58 | 0 43 | 18 51 | 0 | 10 24 | 16 52 | 21 24 | 21 38 | 1 25 | 13 59 | 2 38 |
| M 4 | 6 44 | 21 36 | 1 52 | 2 13 | 1 56 | 8 15 | 1 26 | 21 9 | 0 42 | 16 2 | 1 14 | 22 16 | 0 58 | 2 57 | 0 43 | 18 51 | 0 | 10 23 | 16 52 | 21 24 | 21 39 | 1 23 | 13 59 | 2 38 |
| T 5 | 6 21 | 21 51 | 0 45 | 2 46 | 2 10 | 7 46 | 1 26 | 21 14 | 0 41 | 16 2 | 1 14 | 22 17 | 0 58 | 2 55 | 0 43 | 18 51 | 0 | 10 22 | 16 52 | 21 24 | 21 39 | 1 20 | 14 0 | 2 38 |
| W 6 | 5 57 | 20 59 | 0n23 | 3 16 | 2 23 | 7 17 | 1 26 | 21 20 | 0 40 | 16 2 | 1 14 | 22 17 | 0 57 | 2 54 | 0 43 | 18 52 | 0 | 10 22 | 16 52 | 21 24 | 21 40 | 1 18 | 14 1 | 2 38 |
| T 7 | 5 34 | 19 5 | 1 28 | 3 42 | 2 35 | 6 48 | 1 26 | 21 25 | 0 39 | 16 2 | 1 15 | 22 17 | 0 57 | 2 53 | 0 43 | 18 52 | 0 | 10 21 | 16 51 | 21 24 | 21 40 | 1 15 | 14 2 | 2 38 |
| F 8 | 5 11 | 16 21 | 2 28 | 4 4 | 2 46 | 6 19 | 1 26 | 21 30 | 0 39 | 16 1 | 1 15 | 22 18 | 0 57 | 2 51 | 0 43 | 18 52 | 0 | 10 20 | 16 51 | 21 25 | 21 41 | 1 13 | 14 3 | 2 37 |
| S 9 | 4 48 | 12 56 | 3 21 | 4 22 | 2 57 | 5 49 | 1 25 | 21 35 | 0 38 | 16 1 | 1 15 | 22 18 | 0 57 | 2 50 | 0 43 | 18 52 | 0 | 10 20 | 16 51 | 21 26 | 21 41 | 1 10 | 14 4 | 2 37 |
| S 10 | 4 24 | 9 1 | 4 4 | 4 36 | 3 6 | 5 20 | 1 25 | 21 40 | 0 37 | 16 1 | 1 15 | 22 18 | 0 57 | 2 49 | 0 43 | 18 53 | 0 | 10 19 | 16 51 | 21 27 | 21 42 | 1 8 | 14 4 | 2 37 |
| M11 | 4 1 | 4 47 | 4 37 | 4 45 | 3 15 | 4 50 | 1 25 | 21 45 | 0 35 | 16 0 | 1 15 | 22 19 | 0 56 | 2 47 | 0 43 | 18 53 | 0 | 10 18 | 16 51 | 21 29 | 21 42 | 1 5 | 14 5 | 2 37 |
| T 12 | 3 37 | 0 23 | 4 57 | 4 49 | 3 22 | 4 20 | 1 24 | 21 50 | 0 34 | 16 0 | 1 15 | 22 19 | 0 56 | 2 46 | 0 43 | 18 53 | 0 | 10 18 | 16 51 | 21 31 | 21 43 | 1 3 | 14 6 | 2 37 |
| W13 | 3 14 | 4s 1 | 5 4 | 4 49 | 3 27 | 3 50 | 1 24 | 21 54 | 0 33 | 15 59 | 1 15 | 22 19 | 0 56 | 2 44 | 0 43 | 18 54 | 0 | 10 17 | 16 50 | 21 33 | 21 43 | 1 0 | 14 7 | 2 37 |
| T 14 | 2 50 | 8 17 | 4 58 | 4 44 | 3 31 | 3 20 | 1 23 | 21 59 | 0 32 | 15 59 | 1 16 | 22 19 | 0 56 | 2 43 | 0 43 | 18 54 | 0 | 10 17 | 16 50 | 21 34 | 21 44 | 0 58 | 14 8 | 2 37 |
| F 15 | 2 27 | 12 16 | 4 39 | 4 35 | 3 33 | 2 49 | 1 22 | 22 3 | 0 31 | 15 58 | 1 16 | 22 20 | 0 56 | 2 42 | 0 43 | 18 54 | 0 | 10 16 | 16 50 | 21 36 | 21 44 | 0 56 | 14 9 | 2 37 |
| S 16 | 2 3 | 15 47 | 4 7 | 4 21 | 3 33 | 2 19 | 1 22 | 22 8 | 0 30 | 15 57 | 1 16 | 22 20 | 0 55 | 2 40 | 0 43 | 18 54 | 0 | 10 15 | 16 50 | 21 37 | 21 45 | 0 53 | 14 10 | 2 37 |
| S 17 | 1 39 | 18 42 | 3 24 | 4 4 | 3 32 | 1 49 | 1 21 | 22 12 | 0 29 | 15 56 | 1 16 | 22 20 | 0 55 | 2 39 | 0 43 | 18 55 | 0 | 10 15 | 16 50 | 21 37 | 21 45 | 0 51 | 14 11 | 2 37 |
| M18 | 1 16 | 20 48 | 2 30 | 3 43 | 3 28 | 1 18 | 1 20 | 22 16 | 0 28 | 15 56 | 1 16 | 22 21 | 0 55 | 2 38 | 0 43 | 18 55 | 0 | 10 14 | 16 50 | 21 38 | 21 46 | 0 48 | 14 12 | 2 37 |
| T 19 | 0 52 | 21 54 | 1 28 | 3 20 | 3 23 | 0 48 | 1 19 | 22 20 | 0 26 | 15 55 | 1 16 | 22 21 | 0 55 | 2 36 | 0 43 | 18 55 | 0 | 10 13 | 16 50 | 21 38 | 21 46 | 0 46 | 14 13 | 2 37 |
| W20 | 0 28 | 21 51 | 0 19 | 2 53 | 3 16 | 0 17 | 1 18 | 22 24 | 0 25 | 15 54 | 1 16 | 22 22 | 0 55 | 2 35 | 0 43 | 18 55 | 0 | 10 13 | 16 50 | 21 38 | 21 47 | 0 43 | 14 14 | 2 37 |
| T 21 | 0 5 | 20 31 | 0s53 | 2 24 | 3 7 | 0n14 | 1 17 | 22 28 | 0 24 | 15 53 | 1 17 | 22 22 | 0 54 | 2 34 | 0 43 | 18 56 | 0 | 10 12 | 16 50 | 21 38 | 21 47 | 0 41 | 14 15 | 2 37 |
| F 22 | 0n19 | 17 53 | 2 5 | 1 54 | 2 57 | 0 44 | 1 16 | 22 32 | 0 23 | 15 52 | 1 17 | 22 22 | 0 54 | 2 32 | 0 43 | 18 56 | 0 | 10 12 | 16 49 | 21 38 | 21 48 | 0 38 | 14 16 | 2 37 |
| S 23 | 0 43 | 14 3 | 3 10 | 1 23 | 2 45 | 1 15 | 1 15 | 22 36 | 0 21 | 15 51 | 1 17 | 22 23 | 0 54 | 2 31 | 0 43 | 18 56 | 0 | 10 11 | 16 49 | 21 39 | 21 48 | 0 36 | 14 17 | 2 37 |
| | | | | | | | | | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1591

APRIL 1591 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|------------|---------|--------|---------|--------|--------|---------|--------|-------|--------|--------|--------|--------|--------|---|---|
| M 1 | 12 34 56 | 10°Y39'48" | 12°E15' | 22°R 0 | 17°Y11 | 21°A47 | 16°R50 | 23°II 1 | 25°K51 | 5°R23 | 13°Y39 | 21°D17 | 20°E47 | 11°E12 | 16°E57 | | |
| T 2 | 12 38 53 | 11°38'47" | 25° 0 | 21°K51 | 18°26 | 22°11 | 16°M45 | 23° 5 | 25°54 | 5°L23 | 13°40 | 21°R17 | 20°44 | 11°19 | 17° 1 | | |
| W 3 | 12 42 49 | 12°37'43" | 7°N28' | 21°D48 | 19°40 | 22°35 | 16°40 | 23° 9 | 25°57 | 5°Q22 | 13°41 | 21°E17 | 20°40 | 11°26 | 17° 4 | | |
| T 4 | 12 46 46 | 13°36'37" | 19°41 | 21°49 | 20°54 | 22°58 | 16°34 | 23°13 | 26° 1 | 5°22 | 13°43 | 21°14 | 20°37 | 11°33 | 17° 8 | | |
| F 5 | 12 50 42 | 14°35'29" | 1°N45' | 21°57 | 22° 9 | 23°21 | 16°29 | 23°17 | 26° 4 | 5°22 | 13°44 | 21° 8 | 20°34 | 11°39 | 17°12 | | |
| S 6 | 12 54 39 | 15°34'18" | 13°42 | 22° 9 | 23°23 | 23°44 | 16°23 | 23°22 | 26° 7 | 5°21 | 13°46 | 21° 0 | 20°31 | 11°46 | 17°16 | | |
| S 7 | 12 58 35 | 16°33'05" | 25°35 | 22°26 | 24°37 | 24° 6 | 16°18 | 23°26 | 26°11 | 5°21 | 13°47 | 20°49 | 20°28 | 11°53 | 17°20 | | |
| M 8 | 13 2 32 | 17°31'50" | 7°E28' | 22°48 | 25°51 | 24°28 | 16°12 | 23°31 | 26°14 | 5°21 | 13°49 | 20°36 | 20°25 | 11°59 | 17°24 | | |
| T 9 | 13 6 28 | 18°30'34" | 19°20 | 23°15 | 27° 5 | 24°50 | 16° 6 | 23°35 | 26°17 | 5°20 | 13°50 | 20°22 | 20°21 | 12° 6 | 17°28 | | |
| W10 | 13 10 25 | 19°29'15" | 1°M15' | 23°46 | 28°20 | 25°11 | 16° 0 | 23°40 | 26°20 | 5°20 | 13°51 | 20° 7 | 20°18 | 12°13 | 17°32 | | |
| T 11 | 13 14 21 | 20°27'54" | 13°12 | 24°21 | 29°34 | 25°32 | 15°54 | 23°45 | 26°24 | 5°20 | 13°53 | 19°54 | 20°15 | 12°20 | 17°36 | | |
| F 12 | 13 18 18 | 21°26'31" | 25°13 | 24°59 | 0°E48' | 25°52 | 15°48 | 23°50 | 26°27 | 5°20 | 13°54 | 19°43 | 20°12 | 12°26 | 17°40 | | |
| S 13 | 13 22 15 | 22°25'07" | 7°A22' | 25°42 | 2° 2 | 26°12 | 15°41 | 23°55 | 26°30 | 5°20 | 13°56 | 19°35 | 20° 9 | 12°33 | 17°44 | | |
| S 14 | 13 26 11 | 23°23'41" | 19°39 | 26°28 | 3°16 | 26°32 | 15°35 | 24° 0 | 26°33 | 5°20 | 13°57 | 19°30 | 20° 6 | 12°40 | 17°48 | | |
| M15 | 13 30 8 | 24°22'13" | 2°E 9 | 27°18 | 4°30 | 26°51 | 15°28 | 24° 5 | 26°36 | 5°19 | 13°58 | 19°27 | 20° 2 | 12°46 | 17°52 | | |
| T 16 | 13 34 4 | 25°20'44" | 14°55 | 28°11 | 5°44 | 27°10 | 15°21 | 24°10 | 26°39 | 5°D19 | 14° 0 | 19°27 | 19°59 | 12°53 | 17°57 | | |
| W17 | 13 38 1 | 26°19'13" | 28° 1 | 29° 7 | 6°58 | 27°29 | 15°15 | 24°16 | 26°42 | 5°19 | 14° 1 | 19°27 | 19°56 | 13° 0 | 18° 1 | | |
| T 18 | 13 41 57 | 27°17'40" | 11°E31' | 0°Y 6 | 8°12 | 27°47 | 15° 8 | 24°21 | 26°45 | 5°19 | 14° 3 | 19°26 | 19°53 | 13° 7 | 18° 5 | | |
| F 19 | 13 45 54 | 28°16'06" | 25°27 | 1° 8 | 9°26 | 28° 5 | 15° 1 | 24°26 | 26°49 | 5°20 | 14° 4 | 19°24 | 19°50 | 13°13 | 18° 9 | | |
| S 20 | 13 49 50 | 29°14'30" | 9°K50' | 2°13 | 10°40 | 28°22 | 14°54 | 24°32 | 26°52 | 5°20 | 14° 5 | 19°19 | 19°46 | 13°20 | 18°13 | | |
| S 21 | 13 53 47 | 0°E12'52" | 24°37 | 3°20 | 11°54 | 28°38 | 14°47 | 24°38 | 26°55 | 5°20 | 14° 7 | 19°12 | 19°43 | 13°27 | 18°18 | | |
| M22 | 13 57 44 | 1°11'13" | 9°Y43' | 4°30 | 13° 8 | 28°55 | 14°39 | 24°43 | 26°58 | 5°20 | 14° 8 | 19° 3 | 19°40 | 13°34 | 18°22 | | |
| T 23 | 14 1 40 | 2° 9'32" | 24°59 | 5°42 | 14°22 | 29°10 | 14°32 | 24°49 | 27° 1 | 5°20 | 14°10 | 18°52 | 19°37 | 13°40 | 18°26 | | |
| W24 | 14 5 37 | 3° 7'50" | 10°E13' | 6°56 | 15°35 | 29°26 | 14°25 | 24°55 | 27° 3 | 5°20 | 14°11 | 18°42 | 19°34 | 13°47 | 18°31 | | |
| T 25 | 14 9 33 | 4° 6'05" | 25°15 | 8°13 | 16°49 | 29°40 | 14°17 | 25° 1 | 27° 6 | 5°21 | 14°12 | 18°33 | 19°31 | 13°54 | 18°35 | | |
| F 26 | 14 13 30 | 5° 4'19" | 9°II55' | 9°33 | 18° 3 | 29°54 | 14°10 | 25° 6 | 27° 9 | 5°21 | 14°14 | 18°25 | 19°27 | 14° 0 | 18°39 | | |
| S 27 | 14 17 26 | 6° 2'31" | 24° 7 | 10°54 | 19°17 | 0°E 8 | 14° 3 | 25°12 | 27°12 | 5°21 | 14°15 | 18°21 | 19°24 | 14° 7 | 18°44 | | |
| S 28 | 14 21 23 | 7° 0'41" | 7°E51' | 12°17 | 20°31 | 0°21 | 13°55 | 25°19 | 27°15 | 5°22 | 14°16 | 18°19 | 19°21 | 14°14 | 18°48 | | |
| M29 | 14 25 19 | 7°58'49" | 21° 6 | 13°43 | 21°44 | 0°34 | 13°48 | 25°25 | 27°18 | 5°22 | 14°18 | 18°D19 | 19°18 | 14°21 | 18°52 | | |
| T 30 | 14 29 16 | 8°56'55" | 3°E56' | 15°Y11 | 22°E58' | 0°E46' | 13°M40 | 25°II31 | 27°K21 | 5°L22 | 14°Y19 | 18°R19 | 19°E15 | 14°E27 | 18°E57 | | |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | | | | | | | |
|------|-------|-------|------|------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | |
| M 1 | 4n14 | 22n 8 | 0s48 | 2s44 | 0n30 | 5n48 | 1s 3 | 23s 6 | 0n 8 | 15s39 | 1n18 | 22n26 | 0s52 | 2s19 | 0s43 | 18n58 | 0s 0 | 10s 6 | 16s49 | 21n48 | 21n53 | 0n14 | 14n26 | 2s37 |
| T 2 | 4 37 | 21 30 | 0n20 | 3 1 | 0 14 | 6 18 | 1 1 | 23 9 | 0 6 | 15 38 | 1 18 | 22 26 | 0 52 | 2 17 | 0 43 | 18 58 | 0 0 | 10 5 | 16 49 | 21 48 | 21 53 | 0 11 | 14 27 | 2 37 |
| W 3 | 5 0 | 19 48 | 1 24 | 3 16 | 0s 1 | 6 48 | 0 59 | 23 12 | 0 5 | 15 36 | 1 18 | 22 27 | 0 52 | 2 16 | 0 43 | 18 58 | 0 0 | 10 5 | 16 49 | 21 48 | 21 54 | 0 9 | 14 28 | 2 37 |
| T 4 | 5 23 | 17 13 | 2 24 | 3 29 | 0 15 | 7 17 | 0 58 | 23 15 | 0 3 | 15 35 | 1 18 | 22 27 | 0 52 | 2 15 | 0 43 | 18 58 | 0 0 | 10 4 | 16 49 | 21 49 | 21 54 | 0 6 | 14 29 | 2 37 |
| F 5 | 5 46 | 13 56 | 3 16 | 3 39 | 0 29 | 7 47 | 0 56 | 23 18 | 0 1 | 15 33 | 1 18 | 22 28 | 0 52 | 2 13 | 0 43 | 18 58 | 0 0 | 10 4 | 16 49 | 21 50 | 21 55 | 0 4 | 14 30 | 2 37 |
| S 6 | 6 9 | 10 6 | 3 59 | 3 46 | 0 42 | 8 16 | 0 54 | 23 21 | 0s 1 | 15 32 | 1 18 | 22 28 | 0 52 | 2 12 | 0 43 | 18 58 | 0 0 | 10 3 | 16 49 | 21 51 | 21 55 | 0 1 | 14 31 | 2 37 |
| S 7 | 6 31 | 5 54 | 4 31 | 3 51 | 0 55 | 8 45 | 0 52 | 23 24 | 0 2 | 15 30 | 1 18 | 22 28 | 0 51 | 2 11 | 0 43 | 18 58 | 0 0 | 10 3 | 16 49 | 21 53 | 21 56 | 0s 1 | 14 32 | 2 37 |
| M 8 | 6 54 | 1 30 | 4 52 | 3 54 | 1 7 | 9 14 | 0 50 | 23 27 | 0 4 | 15 28 | 1 18 | 22 29 | 0 51 | 2 10 | 0 43 | 18 58 | 0 0 | 10 2 | 16 49 | 21 55 | 21 56 | 0 4 | 14 33 | 2 37 |
| T 9 | 7 16 | 2s58 | 4 59 | 3 54 | 1 19 | 9 42 | 0 48 | 23 29 | 0 6 | 15 26 | 1 18 | 22 29 | 0 51 | 2 8 | 0 43 | 18 58 | 0 0 | 10 2 | 16 49 | 21 57 | 21 57 | 0 6 | 14 35 | 2 37 |
| W10 | 7 39 | 7 20 | 4 54 | 3 51 | 1 30 | 10 11 | 0 46 | 23 32 | 0 8 | 15 25 | 1 18 | 22 30 | 0 51 | 2 7 | 0 43 | 18 58 | 0 0 | 10 1 | 16 49 | 21 59 | 21 57 | 0 9 | 14 36 | 2 37 |
| T 11 | 8 1 | 11 27 | 4 35 | 3 47 | 1 40 | 10 39 | 0 44 | 23 35 | 0 10 | 15 23 | 1 19 | 22 30 | 0 51 | 2 6 | 0 43 | 18 58 | 0 0 | 10 0 | 16 49 | 22 1 | 21 58 | 0 11 | 14 37 | 2 37 |
| F 12 | 8 23 | 15 9 | 4 5 | 3 40 | 1 49 | 11 7 | 0 42 | 23 38 | 0 12 | 15 21 | 1 19 | 22 30 | 0 51 | 2 4 | 0 43 | 18 59 | 0 0 | 10 0 | 16 49 | 22 2 | 21 58 | 0 14 | 14 38 | 2 37 |
| S 13 | 8 45 | 18 15 | 3 22 | 3 31 | 1 58 | 11 35 | 0 40 | 23 40 | 0 14 | 15 19 | 1 19 | 22 31 | 0 50 | 2 3 | 0 43 | 18 59 | 0 0 | 9 59 | 16 49 | 22 3 | 21 59 | 0 16 | 14 39 | 2 37 |
| S 14 | 9 6 | 20 35 | 2 30 | 3 20 | 2 6 | 12 2 | 0 38 | 23 43 | 0 16 | 15 17 | 1 19 | 22 31 | 0 50 | 2 2 | 0 43 | 18 59 | 0 0 | 9 59 | 16 49 | 22 4 | 21 59 | 0 19 | 14 40 | 2 37 |
| M15 | 9 28 | 21 58 | 1 30 | 3 7 | 2 13 | 12 29 | 0 36 | 23 45 | 0 18 | 15 15 | 1 19 | 22 32 | 0 50 | 2 1 | 0 43 | 18 59 | 0 0 | 9 59 | 16 49 | 22 5 | 22 0 | 0 21 | 14 41 | 2 37 |
| T 16 | 9 49 | 22 16 | 0 24 | 2 52 | 2 20 | 12 56 | 0 34 | 23 48 | 0 20 | 15 13 | 1 19 | 22 32 | 0 50 | 2 0 | 0 43 | 18 59 | 0 0 | 9 58 | 16 49 | 22 5 | 22 0 | 0 24 | 14 42 | 2 37 |
| W17 | 10 11 | 21 21 | 0s45 | 2 35 | 2 26 | 13 22 | 0 31 | 23 51 | 0 23 | 15 11 | 1 19 | 22 32 | 0 50 | 1 58 | 0 43 | 18 59 | 0 0 | 9 58 | 16 49 | 22 5 | 22 0 | 0 26 | 14 43 | 2 37 |
| T 18 | 10 32 | 19 11 | 1 54 | 2 17 | 2 32 | 13 49 | 0 29 | 23 53 | 0 25 | 15 9 | 1 19 | 22 33 | 0 50 | 1 57 | 0 43 | 18 59 | 0 0 | 9 57 | 16 49 | 22 5 | 22 1 | 0 29 | 14 45 | 2 37 |
| F 19 | 10 53 | 15 51 | 2 58 | 1 56 | 2 36 | 14 14 | 0 27 | 23 56 | 0 27 | 15 7 | 1 19 | 22 33 | 0 49 | 1 56 | 0 43 | 18 59 | 0 0 | 9 57 | 16 49 | 22 5 | 22 1 | 0 31 | 14 46 | 2 37 |
| S 20 | 11 14 | 11 29 | 3 53 | 1 34 | 2 40 | 14 40 | 0 25 | 23 58 | 0 30 | 15 5 | 1 19 | 22 34 | 0 49 | 1 55 | 0 43 | 18 59 | 0 0 | 9 56 | 16 49 | 22 6 | 22 2 | 0 34 | 14 47 | 2 37 |
| S 21 | 11 34 | 6 20 | 4 34 | 1 11 | 2 44 | 15 5 | 0 22 | 24 1 | 0 32 | 15 3 | 1 19 | 22 34 | 0 49 | 1 54 | 0 43 | 18 59 | 0 0 | 9 56 | 16 50 | 22 7 | 22 2 | 0 36 | 14 48 | 2 37 |
| M22 | 11 55 | 0 41 | 4 57 | 0 46 | 2 47 | 15 30 | 0 20 | 24 4 | 0 34 | 15 1 | 1 19 | 22 34 | 0 49 | 1 52 | 0 43 | 18 59 | 0 0 | 9 55 | 16 50 | 22 8 | 22 3 | 0 39 | 14 49 | 2 37 |
| T 23 | 12 15 | 5n 3 | 4 59 | 0 19 | 2 49 | 15 54 | 0 17 | 24 6 | 0 37 | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1591

MAY 1591 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|-------|------|-------|--------|-------|-------|-------|---|
| W 1 | 14 33 13 | 9♃54'58 | 16♋24 | 16♀41 | 24♂12 | 0♃57 | 13°R32 | 25♄37 | 27♂23 | 5♁23 | 14♀20 | 18°R19 | 19♋11 | 14♌34 | 19♄1 | |
| T 2 | 14 37 9 | 10°53'00 | 28°37 | 18°12 | 25°25 | 1°8 | 13♌25 | 25°43 | 27°26 | 5°23 | 14°22 | 18♋17 | 19°8 | 14°41 | 19°6 | |
| F 3 | 14 41 6 | 11°51'00 | 10♎38 | 19°46 | 26°39 | 1°18 | 13°17 | 25°50 | 27°29 | 5°24 | 14°23 | 18°13 | 19°5 | 14°48 | 19°10 | |
| S 4 | 14 45 2 | 12°48'59 | 22°33 | 21°22 | 27°53 | 1°28 | 13°9 | 25°56 | 27°31 | 5°25 | 14°24 | 18°7 | 19°2 | 14°54 | 19°14 | |
| S 5 | 14 48 59 | 13°46'55 | 4♌24 | 23°0 | 29°6 | 1°37 | 13°2 | 26°3 | 27°34 | 5°25 | 14°25 | 17°59 | 18°59 | 15°1 | 19°19 | |
| M 6 | 14 52 55 | 14°44'49 | 16°16 | 24°40 | 0♄20 | 1°45 | 12°54 | 26°9 | 27°37 | 5°26 | 14°27 | 17°48 | 18°56 | 15°8 | 19°23 | |
| T 7 | 14 56 52 | 15°42'42 | 28°11 | 26°22 | 1°33 | 1°53 | 12°46 | 26°16 | 27°39 | 5°26 | 14°28 | 17°37 | 18°52 | 15°14 | 19°28 | |
| W 8 | 15 0 48 | 16°40'34 | 10♌9 | 28°5 | 2°47 | 2°0 | 12°39 | 26°22 | 27°42 | 5°27 | 14°29 | 17°25 | 18°49 | 15°21 | 19°32 | |
| T 9 | 15 4 45 | 17°38'23 | 22°14 | 29°51 | 4°0 | 2°6 | 12°31 | 26°29 | 27°44 | 5°28 | 14°30 | 17°15 | 18°46 | 15°28 | 19°37 | |
| F 10 | 15 8 42 | 18°36'12 | 4♈25 | 1♃39 | 5°14 | 2°12 | 12°24 | 26°36 | 27°47 | 5°29 | 14°32 | 17°6 | 18°43 | 15°35 | 19°41 | |
| S 11 | 15 12 38 | 19°33'59 | 16°45 | 3°29 | 6°27 | 2°17 | 12°16 | 26°42 | 27°49 | 5°29 | 14°33 | 17°0 | 18°40 | 15°41 | 19°45 | |
| S 12 | 15 16 35 | 20°31'45 | 29°14 | 5°21 | 7°41 | 2°22 | 12°9 | 26°49 | 27°51 | 5°30 | 14°34 | 16°56 | 18°37 | 15°48 | 19°50 | |
| M13 | 15 20 31 | 21°29'29 | 11♃54 | 7°15 | 8°54 | 2°25 | 12°1 | 26°56 | 27°54 | 5°31 | 14°35 | 16°D54 | 18°33 | 15°55 | 19°54 | |
| T 14 | 15 24 28 | 22°27'13 | 24°49 | 9°11 | 10°8 | 2°28 | 11°54 | 27°3 | 27°56 | 5°32 | 14°36 | 16°54 | 18°30 | 16°1 | 19°59 | |
| W15 | 15 28 24 | 23°24'55 | 7♋59 | 11°9 | 11°21 | 2°31 | 11°46 | 27°10 | 27°58 | 5°33 | 14°38 | 16°55 | 18°27 | 16°8 | 20°3 | |
| T 16 | 15 32 21 | 24°22'36 | 21°29 | 13°8 | 12°34 | 2°32 | 11°39 | 27°17 | 28°1 | 5°34 | 14°39 | 16°R56 | 18°24 | 16°15 | 20°8 | |
| F 17 | 15 36 17 | 25°20'16 | 5♂19 | 15°10 | 13°48 | 2°33 | 11°32 | 27°24 | 28°3 | 5°35 | 14°40 | 16°55 | 18°21 | 16°22 | 20°12 | |
| S 18 | 15 40 14 | 26°17'55 | 19°30 | 17°13 | 15°1 | 2°R33 | 11°24 | 27°31 | 28°5 | 5°36 | 14°41 | 16°53 | 18°17 | 16°28 | 20°17 | |
| S 19 | 15 44 11 | 27°15'33 | 4♀1 | 19°18 | 16°14 | 2°32 | 11°17 | 27°38 | 28°7 | 5°37 | 14°42 | 16°49 | 18°14 | 16°35 | 20°21 | |
| M20 | 15 48 7 | 28°13'10 | 18°48 | 21°25 | 17°28 | 2°31 | 11°10 | 27°45 | 28°9 | 5°38 | 14°43 | 16°43 | 18°11 | 16°42 | 20°25 | |
| T 21 | 15 52 4 | 29°10'46 | 3♂45 | 23°33 | 18°41 | 2°29 | 11°3 | 27°52 | 28°11 | 5°39 | 14°44 | 16°36 | 18°8 | 16°49 | 20°30 | |
| W22 | 15 56 0 | 0♄8'22 | 18°42 | 25°42 | 19°54 | 2°26 | 10°56 | 28°0 | 28°13 | 5°40 | 14°45 | 16°29 | 18°5 | 16°55 | 20°34 | |
| T 23 | 15 59 57 | 1°5'56 | 3♄32 | 27°52 | 21°7 | 2°22 | 10°50 | 28°7 | 28°15 | 5°41 | 14°46 | 16°23 | 18°2 | 17°2 | 20°39 | |
| F 24 | 16 3 53 | 2°3'29 | 18°5 | 0♄3 | 22°20 | 2°18 | 10°43 | 28°14 | 28°17 | 5°42 | 14°47 | 16°18 | 17°58 | 17°9 | 20°43 | |
| S 25 | 16 7 50 | 3°1'01 | 2♋16 | 2°15 | 23°34 | 2°12 | 10°36 | 28°22 | 28°19 | 5°43 | 14°48 | 16°16 | 17°55 | 17°15 | 20°48 | |
| S 26 | 16 11 46 | 3°58'31 | 16°1 | 4°27 | 24°47 | 2°6 | 10°30 | 28°29 | 28°21 | 5°45 | 14°49 | 16°D15 | 17°52 | 17°22 | 20°52 | |
| M27 | 16 15 43 | 4°56'00 | 29°19 | 6°39 | 26°0 | 2°0 | 10°23 | 28°36 | 28°23 | 5°46 | 14°50 | 16°15 | 17°49 | 17°29 | 20°56 | |
| T 28 | 16 19 40 | 5°53'29 | 12♌13 | 8°51 | 27°13 | 1°52 | 10°17 | 28°44 | 28°25 | 5°47 | 14°51 | 16°17 | 17°46 | 17°36 | 21°1 | |
| W29 | 16 23 36 | 6°50'55 | 24°46 | 11°2 | 28°26 | 1°44 | 10°11 | 28°51 | 28°26 | 5°49 | 14°52 | 16°18 | 17°43 | 17°42 | 21°5 | |
| T 30 | 16 27 33 | 7°48'21 | 7♎2 | 13°13 | 29°39 | 1°35 | 10°5 | 28°59 | 28°28 | 5°50 | 14°53 | 16°R19 | 17°39 | 17°49 | 21°9 | |
| F 31 | 16 31 29 | 8♄45'45 | 19♎5 | 15♄22 | 0♄52 | 1♃25 | 9♌59 | 29♄6 | 28♂30 | 5♁51 | 14♀54 | 16♋18 | 17♋36 | 17♌56 | 21♄14 | |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | | | | | | | | |
|------|-------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | | | | | | | | |
| W 1 | 14n49 | 18n14 | 2n23 | 4n 2 | 2s45 | 18n54 | 0n 2 | 24s28 | 0s59 | 14s41 | 1n18 | 22n38 | 0s48 | 1s42 | 0s43 | 18n58 | 0n 0 | 9s52 | 16s51 | 22n14 | 22n 7 | 1s 1 | 14n59 | 2s37 |
| T 2 | 15 7 15 | 3 3 17 | 4 39 | 2 42 | 19 14 | 0 5 | 24 31 | 1 2 | 14 39 | 1 18 | 22 38 | 0 47 | 1 41 | 0 43 | 18 58 | 0 0 | 9 51 | 16 51 | 22 14 | 22 7 | 1 4 | 15 0 | 2 37 | |
| F 3 | 15 25 11 | 18 4 | 5 18 | 2 38 | 19 34 | 0 7 | 24 34 | 1 5 | 14 37 | 1 18 | 22 38 | 0 47 | 1 40 | 0 43 | 18 58 | 0 0 | 9 51 | 16 51 | 22 15 | 22 8 | 1 6 | 15 2 | 2 38 | |
| S 4 | 15 43 7 | 9 4 34 | 5 58 | 2 34 | 19 53 | 0 10 | 24 37 | 1 8 | 14 35 | 1 18 | 22 39 | 0 47 | 1 39 | 0 43 | 18 58 | 0 0 | 9 51 | 16 51 | 22 16 | 22 8 | 1 9 | 15 3 | 2 38 | |
| S 5 | 16 1 2 45 | 4 54 | 6 39 | 2 30 | 20 12 | 0 12 | 24 40 | 1 11 | 14 32 | 1 18 | 22 39 | 0 47 | 1 38 | 0 43 | 18 57 | 0 0 | 9 50 | 16 51 | 22 17 | 22 9 | 1 12 | 15 4 | 2 38 | |
| M 6 | 16 18 1s45 | 5 3 7 20 | 2 24 | 20 30 | 0 15 | 24 43 | 1 14 | 14 30 | 1 18 | 22 39 | 0 47 | 1 37 | 0 43 | 18 57 | 0 0 | 9 50 | 16 52 | 22 18 | 22 9 | 1 14 | 15 5 | 2 38 | | |
| T 7 | 16 35 6 13 | 4 58 | 8 2 | 2 19 | 20 48 | 0 17 | 24 46 | 1 17 | 14 28 | 1 18 | 22 40 | 0 47 | 1 36 | 0 44 | 18 57 | 0 0 | 9 50 | 16 52 | 22 20 | 22 10 | 1 17 | 15 6 | 2 38 | |
| W 8 | 16 51 10 28 | 4 40 | 8 45 | 2 12 | 21 5 | 0 20 | 24 49 | 1 20 | 14 26 | 1 18 | 22 40 | 0 47 | 1 35 | 0 44 | 18 57 | 0 0 | 9 50 | 16 52 | 22 21 | 22 10 | 1 19 | 15 7 | 2 38 | |
| T 9 | 17 8 14 21 | 4 9 | 9 29 | 2 6 | 21 22 | 0 22 | 24 52 | 1 24 | 14 24 | 1 18 | 22 40 | 0 46 | 1 34 | 0 44 | 18 57 | 0 0 | 9 49 | 16 52 | 22 23 | 22 10 | 1 22 | 15 8 | 2 38 | |
| F 10 | 17 24 17 41 | 3 27 | 10 13 | 1 58 | 21 38 | 0 25 | 24 55 | 1 27 | 14 21 | 1 18 | 22 41 | 0 46 | 1 33 | 0 44 | 18 57 | 0 0 | 9 49 | 16 52 | 22 24 | 22 11 | 1 24 | 15 9 | 2 38 | |
| S 11 | 17 40 20 17 | 2 34 | 10 58 | 1 51 | 21 53 | 0 27 | 24 59 | 1 30 | 14 19 | 1 18 | 22 41 | 0 46 | 1 32 | 0 44 | 18 56 | 0 0 | 9 49 | 16 52 | 22 25 | 22 11 | 1 27 | 15 10 | 2 38 | |
| S 12 | 17 55 21 56 | 1 33 | 11 43 | 1 43 | 22 8 | 0 30 | 25 2 | 1 34 | 14 17 | 1 18 | 22 41 | 0 46 | 1 31 | 0 44 | 18 56 | 0 0 | 9 48 | 16 53 | 22 25 | 22 12 | 1 29 | 15 12 | 2 38 | |
| M13 | 18 11 22 31 | 0 27 | 12 29 | 1 34 | 22 22 | 0 32 | 25 6 | 1 37 | 14 15 | 1 17 | 22 41 | 0 46 | 1 30 | 0 44 | 18 56 | 0 0 | 9 48 | 16 53 | 22 25 | 22 12 | 1 32 | 15 13 | 2 38 | |
| T 14 | 18 25 21 54 | 0s42 | 13 14 | 1 25 | 22 35 | 0 35 | 25 9 | 1 41 | 14 13 | 1 17 | 22 42 | 0 46 | 1 29 | 0 44 | 18 56 | 0 0 | 9 48 | 16 53 | 22 25 | 22 13 | 1 34 | 15 14 | 2 38 | |
| W15 | 18 40 20 6 | 1 51 | 14 0 | 1 16 | 22 48 | 0 37 | 25 13 | 1 45 | 14 11 | 1 17 | 22 42 | 0 46 | 1 29 | 0 44 | 18 56 | 0 0 | 9 48 | 16 53 | 22 25 | 22 13 | 1 37 | 15 15 | 2 39 | |
| T 16 | 18 54 17 8 | 2 55 | 14 46 | 1 6 | 23 0 | 0 39 | 25 16 | 1 48 | 14 8 | 1 17 | 22 42 | 0 46 | 1 28 | 0 44 | 18 55 | 0 0 | 9 47 | 16 54 | 22 25 | 22 13 | 1 39 | 15 16 | 2 39 | |
| F 17 | 19 8 13 9 | 3 50 | 15 31 | 0 56 | 23 12 | 0 42 | 25 20 | 1 52 | 14 6 | 1 17 | 22 43 | 0 45 | 1 27 | 0 44 | 18 55 | 0 0 | 9 47 | 16 54 | 22 25 | 22 14 | 1 42 | 15 17 | 2 39 | |
| S 18 | 19 22 8 21 | 4 33 | 16 17 | 0 46 | 23 23 | 0 44 | 25 24 | 1 56 | 14 4 | 1 17 | 22 43 | 0 45 | 1 26 | 0 44 | 18 55 | 0 0 | 9 47 | 16 54 | 22 25 | 22 14 | 1 44 | 15 18 | 2 39 | |
| S 19 | 19 35 2 59 | 5 0 | 17 1 | 0 36 | 23 33 | 0 47 | 25 28 | 2 0 | 14 2 | 1 17 | 22 43 | 0 45 | 1 25 | 0 44 | 18 55 | 0 0 | 9 47 | 16 54 | 22 26 | 22 15 | 1 47 | 15 19 | 2 39 | |
| M20 | 19 48 2n39 | 5 7 | 17 45 | 0 25 | 23 43 | 0 49 | 25 32 | 2 3 | 14 0 | 1 16 | 22 43 | 0 45 | 1 24 | 0 44 | 18 55 | 0 0 | 9 47 | 16 54 | 22 27 | 22 15 | 1 49 | 15 20 | 2 39 | |
| T 21 | 20 1 8 11 | 4 54 | 18 28 | 0 15 | 23 51 | 0 51 | 25 35 | 2 7 | 13 58 | 1 16 | 22 44 | 0 45 | 1 24 | 0 44 | 18 54 | 0 0 | 9 46 | 16 55 | 22 27 | 22 16 | 1 52 | 15 21 | 2 39 | |
| W22 | 20 13 13 15 | 4 20 | 19 10 | 0 4 | 24 0 | 0 53 | 25 39 | 2 11 | 13 56 | 1 16 | 22 44 | 0 45 | 1 23 | 0 44 | 18 54 | 0 0 | 9 46 | 16 55 | 22 28 | 22 16 | 1 55 | 15 22 | 2 39 | |
| T 23 | 20 25 17 28 | 3 30 | 19 50 | 0n 7 | 24 7 | 0 56 | 25 43 | 2 15 | 13 54 | 1 16 | 22 44 | 0 45 | 1 22 | 0 44 | 18 54 | 0 0 | 9 46 | 16 55 | 22 29 | 22 16 | 1 57 | 15 23 | 2 39 | |
| F 24 | 20 37 20 32 | 2 26 | 20 29 | 0 17 | 24 14 | 0 58 | 25 48 | 2 19 | 13 52 | 1 16 | 22 44 | 0 45 | 1 21 | 0 44 | 18 53 | 0 0 | 9 46 | 16 55 | 22 30 | 22 17 | 2 0 | 15 24 | 2 40 | |
| S 25 | 20 48 22 13 | 1 15 | 21 6 | 0 28 | 24 20 | 1 0 | 25 52 | 2 23 | 13 50 | 1 16 | 22 44 | 0 44 | 1 21 | 0 44 | 18 53 | 0 0 | 9 46 | 16 56 | 22 30 | 22 17 | 2 2 | 15 25 | 2 40 | |
| S 26 | 20 59 22 30 | 0 1 | 21 42 | 0 38 | 24 25 | 1 2 | 25 56 | 2 27 | 13 48 | 1 15 | 22 45 | 0 44 | 1 20 | 0 44 | 18 53 | 0 0 | 9 46 | 16 56 | 22 30 | 22 18 | 2 5 | 15 26 | 2 40 | |
| M27 | 21 10 21 29 | 1n10 | 22 15 | 0 47 | 24 30 | 1 4 | 26 0 | 2 31 | 13 47 | 1 15 | 22 45 | 0 44 | 1 19 | 0 44 | 18 53 | 0 0 | 9 46 | 16 56 | 22 30 | 22 18 | 2 7 | 15 27 | 2 40 | |
| T 28 | 21 20 19 21 | 2 16 | 22 45 | 0 57 | 24 34 | 1 6 | 26 4 | 2 36 | 13 45 | 1 15 | 22 45 | 0 44 | 1 18 | 0 44 | 18 52 | 0 0 | 9 45 | 16 56 | 22 30 | 22 19 | 2 10 | 15 28 | 2 40 | |
| W29 | 21 30 16 20 | 3 14 | 23 14 | 1 6 | 24 37 | 1 8 | 26 8 | 2 40 | 13 43 | 1 15 | 22 45 | 0 44 | 1 18 | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1591

JUNE 1591 GC

00:00 UT

Table with 16 columns (Day, Sid.t, ☉, ☽, ♀, ♀, ♂, ♃, ♅, ♁, ♃, ♆, ♁, ♁, ♆, ☽) and 30 rows of astronomical data for June 1591.

Table with 16 columns (Day, ☉, ☽, ♀, ♀, ♂, ♃, ♅, ♁, ♃, ♆, ♁, ♁, ♆, ☽) and 30 rows of astronomical data for June 1591, including declination and latitude values.

Julian Day Number = 2302311.5, Delta T = 124.48 sec
Ecliptic obliquity = 23°29'30", Nutation = - 0°00'17"
Ayanamsha: Fagan/Bradley = 19°02'17", Lahiri = 18°09'17" Greg. Calendar

SWISS EPHEMERIS for the year 1591

JULY 1591 GC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|------------------------|--------------------|---------------------|--------------------|---------------------|--------------------|-------------------|---------------------|-------------------|---------------------|---------------------|--------------------|--------------------|--------------------|---|
| M 1 | 18 33 43 | 8 ^h 20'29" | 2 ^m 54 | 4 ^h 20 | 8 ^h 21 | 23 ^h R 1 | 8 ^h R 9 | 3 ^h 56 | 28 ^h 58 | 6 ^h 45 | 15 ^h 14 | 15 ^h R38 | 15 ^h 58 | 21 ^h 24 | 23 ^h 16 | |
| T 2 | 18 37 39 | 9 ^h 17'39" | 14 ^m 53 | 5 ^h 12 | 9 ^h 33 | 22 ^h 45 | 8 ^h R 8 | 3 ^h 14 | 28 ^h 58 | 6 ^h 47 | 15 ^h 14 | 15 ^h 58 | 15 ^h 55 | 21 ^h 31 | 23 ^h 20 | |
| W 3 | 18 41 36 | 10 ^h 14'50" | 27 ^m 2 | 6 ^h 0 | 10 ^h 45 | 22 ^h 29 | 8 ^h 7 | 3 ^h 22 | 28 ^h 58 | 6 ^h 49 | 15 ^h 14 | 15 ^h 37 | 15 ^h 51 | 21 ^h 38 | 23 ^h 23 | |
| T 4 | 18 45 32 | 11 ^h 12'00" | 9 ^m 23 | 6 ^h 45 | 11 ^h 57 | 22 ^h 14 | 8 ^h 7 | 3 ^h 30 | 28 ^h 58 | 6 ^h 51 | 15 ^h 15 | 15 ^h 36 | 15 ^h 48 | 21 ^h 44 | 23 ^h 26 | |
| F 5 | 18 49 29 | 12 ^h 9'11" | 21 ^m 58 | 7 ^h 26 | 13 ^h 9 | 22 ^h 0 | 8 ^h 7 | 3 ^h 38 | 28 ^h R58 | 6 ^h 53 | 15 ^h 15 | 15 ^h 36 | 15 ^h 45 | 21 ^h 51 | 23 ^h 30 | |
| S 6 | 18 53 25 | 13 ^h 6'21" | 4 ^m 39 | 8 ^h 4 | 14 ^h 21 | 21 ^h 46 | 8 ^h D 6 | 3 ^h 45 | 28 ^h 58 | 6 ^h 55 | 15 ^h 15 | 15 ^h 36 | 15 ^h 42 | 21 ^h 58 | 23 ^h 33 | |
| S 7 | 18 57 22 | 14 ^h 3'32" | 17 ^m 56 | 8 ^h 37 | 15 ^h 32 | 21 ^h 33 | 8 ^h 7 | 3 ^h 53 | 28 ^h 58 | 6 ^h 57 | 15 ^h 15 | 15 ^h D36 | 15 ^h 39 | 22 ^h 5 | 23 ^h 36 | |
| M 8 | 19 1 18 | 15 ^h 0'43" | 1 ^m 38 | 9 ^h 6 | 16 ^h 44 | 21 ^h 20 | 8 ^h 7 | 4 ^h 1 | 28 ^h 58 | 6 ^h 59 | 15 ^h 16 | 15 ^h 36 | 15 ^h 35 | 22 ^h 11 | 23 ^h 39 | |
| T 9 | 19 5 15 | 15 ^h 57'55" | 14 ^m 55 | 9 ^h 31 | 17 ^h 56 | 21 ^h 8 | 8 ^h 7 | 4 ^h 9 | 28 ^h 58 | 7 ^h 1 | 15 ^h 16 | 15 ^h R36 | 15 ^h 32 | 22 ^h 18 | 23 ^h 43 | |
| W10 | 19 9 12 | 16 ^h 55'07" | 28 ^m 45 | 9 ^h 52 | 19 ^h 8 | 20 ^h 57 | 8 ^h 8 | 4 ^h 16 | 28 ^h 58 | 7 ^h 3 | 15 ^h 16 | 15 ^h 36 | 15 ^h 29 | 22 ^h 25 | 23 ^h 46 | |
| T 11 | 19 13 8 | 17 ^h 52'19" | 12 ^m 45 | 10 ^h 8 | 20 ^h 19 | 20 ^h 46 | 8 ^h 9 | 4 ^h 24 | 28 ^h 57 | 7 ^h 5 | 15 ^h 16 | 15 ^h 35 | 15 ^h 26 | 22 ^h 31 | 23 ^h 49 | |
| F 12 | 19 17 5 | 18 ^h 49'32" | 26 ^m 52 | 10 ^h 19 | 21 ^h 31 | 20 ^h 36 | 8 ^h 10 | 4 ^h 32 | 28 ^h 57 | 7 ^h 7 | 15 ^h 16 | 15 ^h 35 | 15 ^h 23 | 22 ^h 38 | 23 ^h 52 | |
| S 13 | 19 21 1 | 19 ^h 46'46" | 11 ^m 9 | 10 ^h 26 | 22 ^h 42 | 20 ^h 27 | 8 ^h 11 | 4 ^h 39 | 28 ^h 57 | 7 ^h 9 | 15 ^h 16 | 15 ^h 35 | 15 ^h 20 | 22 ^h 45 | 23 ^h 55 | |
| S 14 | 19 24 58 | 20 ^h 44'00" | 25 ^m 19 | 10 ^h R28 | 23 ^h 54 | 20 ^h 19 | 8 ^h 12 | 4 ^h 47 | 28 ^h 56 | 7 ^h 12 | 15 ^h 16 | 15 ^h D35 | 15 ^h 16 | 22 ^h 52 | 23 ^h 58 | |
| M15 | 19 28 54 | 21 ^h 41'16" | 9 ^m 33 | 10 ^h 25 | 25 ^h 5 | 20 ^h 11 | 8 ^h 14 | 4 ^h 55 | 28 ^h 56 | 7 ^h 14 | 15 ^h 16 | 15 ^h 35 | 15 ^h 13 | 22 ^h 58 | 24 ^h 1 | |
| T 16 | 19 32 51 | 22 ^h 38'32" | 23 ^m 44 | 10 ^h 17 | 26 ^h 17 | 20 ^h 4 | 8 ^h 16 | 5 ^h 2 | 28 ^h 55 | 7 ^h 16 | 15 ^h R16 | 15 ^h 36 | 15 ^h 10 | 23 ^h 5 | 24 ^h 4 | |
| W17 | 19 36 47 | 23 ^h 35'49" | 7 ^m 15 | 10 ^h 4 | 27 ^h 28 | 19 ^h 58 | 8 ^h 17 | 5 ^h 10 | 28 ^h 55 | 7 ^h 18 | 15 ^h 16 | 15 ^h 36 | 15 ^h 7 | 23 ^h 12 | 24 ^h 6 | |
| T 18 | 19 40 44 | 24 ^h 33'07" | 21 ^m 47 | 9 ^h 46 | 28 ^h 40 | 19 ^h 53 | 8 ^h 20 | 5 ^h 17 | 28 ^h 54 | 7 ^h 20 | 15 ^h 16 | 15 ^h 37 | 15 ^h 4 | 23 ^h 19 | 24 ^h 9 | |
| F 19 | 19 44 41 | 25 ^h 30'26" | 5 ^m 34 | 9 ^h 24 | 29 ^h 51 | 19 ^h 49 | 8 ^h 22 | 5 ^h 25 | 28 ^h 54 | 7 ^h 22 | 15 ^h 16 | 15 ^h 38 | 15 ^h 1 | 23 ^h 25 | 24 ^h 12 | |
| S 20 | 19 48 37 | 26 ^h 27'46" | 19 ^m 7 | 8 ^h 57 | 1 ^m 2 | 19 ^h 45 | 8 ^h 24 | 5 ^h 33 | 28 ^h 53 | 7 ^h 25 | 15 ^h 16 | 15 ^h R38 | 14 ^h 57 | 23 ^h 32 | 24 ^h 14 | |
| S 21 | 19 52 34 | 27 ^h 25'06" | 2 ^m 26 | 8 ^h 26 | 2 ^h 13 | 19 ^h 43 | 8 ^h 27 | 5 ^h 40 | 28 ^h 52 | 7 ^h 27 | 15 ^h 16 | 15 ^h 37 | 14 ^h 54 | 23 ^h 39 | 24 ^h 17 | |
| M22 | 19 56 30 | 28 ^h 22'27" | 15 ^m 28 | 7 ^h 51 | 3 ^h 25 | 19 ^h 41 | 8 ^h 30 | 5 ^h 47 | 28 ^h 51 | 7 ^h 29 | 15 ^h 16 | 15 ^h 36 | 14 ^h 51 | 23 ^h 45 | 24 ^h 20 | |
| T 23 | 20 0 27 | 29 ^h 19'49" | 28 ^m 14 | 7 ^h 13 | 4 ^h 36 | 19 ^h 40 | 8 ^h 32 | 5 ^h 55 | 28 ^h 50 | 7 ^h 31 | 15 ^h 16 | 15 ^h 35 | 14 ^h 48 | 23 ^h 52 | 24 ^h 22 | |
| W24 | 20 4 23 | 0 ^h 17'11" | 10 ^m 44 | 6 ^h 32 | 5 ^h 47 | 19 ^h D40 | 8 ^h 36 | 6 ^h 2 | 28 ^h 50 | 7 ^h 33 | 15 ^h 16 | 15 ^h 33 | 14 ^h 45 | 23 ^h 59 | 24 ^h 25 | |
| T 25 | 20 8 20 | 1 ^h 14'34" | 23 ^m 0 | 5 ^h 49 | 6 ^h 58 | 19 ^h 41 | 8 ^h 39 | 6 ^h 10 | 28 ^h 49 | 7 ^h 36 | 15 ^h 15 | 15 ^h 30 | 14 ^h 41 | 24 ^h 6 | 24 ^h 27 | |
| F 26 | 20 12 16 | 2 ^h 11'57" | 5 ^m 5 | 5 ^h 5 | 8 ^h 9 | 19 ^h 42 | 8 ^h 42 | 6 ^h 17 | 28 ^h 48 | 7 ^h 38 | 15 ^h 15 | 15 ^h 28 | 14 ^h 38 | 24 ^h 12 | 24 ^h 29 | |
| S 27 | 20 16 13 | 3 ^h 9'21" | 17 ^m 2 | 4 ^h 19 | 9 ^h 19 | 19 ^h 45 | 8 ^h 46 | 6 ^h 24 | 28 ^h 47 | 7 ^h 40 | 15 ^h 15 | 15 ^h 27 | 14 ^h 35 | 24 ^h 19 | 24 ^h 32 | |
| S 28 | 20 20 10 | 4 ^h 6'46" | 28 ^m 55 | 3 ^h 34 | 10 ^h 30 | 19 ^h 48 | 8 ^h 50 | 6 ^h 32 | 28 ^h 46 | 7 ^h 42 | 15 ^h 15 | 15 ^h D26 | 14 ^h 32 | 24 ^h 26 | 24 ^h 34 | |
| M29 | 20 24 6 | 5 ^h 4'11" | 10 ^m 49 | 2 ^h 50 | 11 ^h 41 | 19 ^h 52 | 8 ^h 54 | 6 ^h 39 | 28 ^h 44 | 7 ^h 45 | 15 ^h 15 | 15 ^h 26 | 14 ^h 29 | 24 ^h 33 | 24 ^h 36 | |
| T 30 | 20 28 3 | 6 ^h 1'37" | 22 ^m 49 | 2 ^h 8 | 12 ^h 52 | 19 ^h 57 | 8 ^h 58 | 6 ^h 46 | 28 ^h 43 | 7 ^h 47 | 15 ^h 14 | 15 ^h 27 | 14 ^h 26 | 24 ^h 39 | 24 ^h 38 | |
| W31 | 20 31 59 | 6 ^h 59'04" | 4 ^m 58 | 1 ^h 28 | 14 ^m 2 | 20 ^h 3 3 | 9 ^m 2 | 6 ^h 53 | 28 ^h 42 | 7 ^h 49 | 15 ^h 14 | 15 ^h 28 | 14 ^h 22 | 24 ^h 46 | 24 ^h 40 | |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | | | | | | | | |
|------|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|------|-------|-------|---------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | |
| M 1 | 23n14 | 7s46 | 5n 2 | 19n 1 | 0s13 | 19n53 | 1n44 | 27s52 | 4s34 | 13s12 | 1n 7 | 22n46 | 0s41 | 1s 6 | 0s45 | 18n38 | 0n 1 | 9s47 | 17s 7 | 22n34 | 22n32 | 3s37 | 15n57 | 2s46 |
| T 2 | 23 10 11 56 | 4 36 | 18 36 | 0 25 | 19 34 | 1 44 | 27 53 | 4 36 | 13 12 | 1 7 | 22 46 | 0 41 | 1 6 | 0 45 | 18 38 | 0 1 | 9 47 | 17 8 | 22 34 | 22 32 | 3 39 | 15 58 | 2 46 | |
| W 3 | 23 6 15 41 | 3 58 | 18 12 | 0 38 | 19 14 | 1 43 | 27 54 | 4 38 | 13 12 | 1 6 | 22 46 | 0 41 | 1 6 | 0 45 | 18 37 | 0 1 | 9 47 | 17 8 | 22 35 | 22 33 | 3 42 | 15 58 | 2 46 | |
| T 4 | 23 1 18 49 | 3 7 | 17 49 | 0 51 | 18 54 | 1 43 | 27 55 | 4 39 | 13 12 | 1 6 | 22 46 | 0 41 | 1 6 | 0 45 | 18 37 | 0 1 | 9 48 | 17 8 | 22 35 | 22 33 | 3 44 | 15 59 | 2 47 | |
| F 5 | 22 56 21 8 | 2 7 | 17 25 | 1 4 | 18 33 | 1 43 | 27 55 | 4 41 | 13 12 | 1 6 | 22 46 | 0 41 | 1 6 | 0 45 | 18 36 | 0 1 | 9 48 | 17 9 | 22 35 | 22 34 | 3 47 | 16 0 | 2 47 | |
| S 6 | 22 51 22 25 | 0 59 | 17 3 | 1 17 | 18 12 | 1 42 | 27 56 | 4 42 | 13 12 | 1 6 | 22 46 | 0 40 | 1 6 | 0 45 | 18 36 | 0 1 | 9 48 | 17 9 | 22 35 | 22 34 | 3 50 | 16 0 | 2 47 | |
| S 7 | 22 45 22 30 | 0s13 | 16 41 | 1 31 | 17 50 | 1 42 | 27 56 | 4 44 | 13 13 | 1 5 | 22 46 | 0 40 | 1 6 | 0 45 | 18 35 | 0 1 | 9 48 | 17 9 | 22 35 | 22 34 | 3 52 | 16 1 | 2 47 | |
| M 8 | 22 39 21 19 | 1 26 | 16 19 | 1 45 | 17 28 | 1 41 | 27 57 | 4 45 | 13 13 | 1 5 | 22 46 | 0 40 | 1 6 | 0 46 | 18 35 | 0 1 | 9 49 | 17 10 | 22 35 | 22 35 | 3 55 | 16 1 | 2 48 | |
| T 9 | 22 32 18 52 | 2 35 | 15 59 | 2 0 | 17 5 | 1 40 | 27 57 | 4 46 | 13 13 | 1 5 | 22 45 | 0 40 | 1 6 | 0 46 | 18 34 | 0 1 | 9 49 | 17 10 | 22 35 | 22 35 | 3 57 | 16 2 | 2 48 | |
| W10 | 22 25 15 19 | 3 37 | 15 40 | 2 14 | 16 42 | 1 40 | 27 57 | 4 47 | 13 14 | 1 5 | 22 45 | 0 40 | 1 7 | 0 46 | 18 34 | 0 1 | 9 49 | 17 11 | 22 35 | 22 35 | 4 0 | 16 2 | 2 48 | |
| T 11 | 22 18 10 53 | 4 26 | 15 22 | 2 28 | 16 18 | 1 39 | 27 57 | 4 48 | 13 14 | 1 4 | 22 45 | 0 40 | 1 7 | 0 46 | 18 33 | 0 1 | 9 49 | 17 11 | 22 35 | 22 36 | 4 2 | 16 3 | 2 48 | |
| F 12 | 22 10 5 50 | 5 0 | 15 5 | 2 43 | 15 54 | 1 38 | 27 57 | 4 48 | 13 15 | 1 4 | 22 45 | 0 40 | 1 7 | 0 46 | 18 33 | 0 1 | 9 50 | 17 11 | 22 35 | 22 36 | 4 5 | 16 3 | 2 49 | |
| S 13 | 22 2 0 27 | 5 16 | 14 50 | 2 57 | 15 30 | 1 37 | 27 57 | 4 49 | 13 16 | 1 4 | 22 45 | 0 40 | 1 7 | 0 46 | 18 32 | 0 1 | 9 50 | 17 12 | 22 35 | 22 37 | 4 8 | 16 4 | 2 49 | |
| S 14 | 21 53 4n58 | 5 12 | 14 36 | 3 11 | 15 5 | 1 36 | 27 57 | 4 49 | 13 16 | 1 3 | 22 44 | 0 40 | 1 7 | 0 46 | 18 32 | 0 1 | 9 50 | 17 12 | 22 35 | 22 37 | 4 10 | 16 4 | 2 49 | |
| M15 | 21 44 10 7 | 4 50 | 14 23 | 3 24 | 14 40 | 1 34 | 27 56 | 4 50 | 13 17 | 1 3 | 22 44 | 0 40 | 1 8 | 0 46 | 18 31 | 0 1 | 9 51 | 17 12 | 22 35 | 22 37 | 4 13 | 16 5 | 2 49 | |
| T 16 | 21 35 14 43 | 4 9 | 14 13 | 3 37 | 14 15 | 1 33 | 27 56 | 4 50 | 13 18 | 1 3 | 22 44 | 0 40 | 1 8 | 0 46 | 18 31 | 0 1 | 9 51 | 17 13 | 22 35 | 22 38 | 4 15 | 16 5 | 2 50 | |
| W17 | 21 25 18 28 | 3 14 | 14 4 | 3 50 | 13 49 | 1 32 | 27 56 | 4 50 | 13 19 | 1 3 | 22 44 | 0 40 | 1 8 | 0 46 | 18 30 | 0 1 | 9 51 | 17 13 | 22 35 | 22 38 | 4 18 | 16 6 | 2 50 | |
| T 18 | 21 15 21 6 | 2 8 | 13 57 | 4 2 | 13 23 | 1 30 | 27 55 | 4 50 | 13 20 | 1 2 | 22 44 | 0 40 | 1 8 | 0 46 | 18 29 | 0 1 | 9 52 | 17 13 | 22 35 | 22 38</ | | | | |

SWISS EPHEMERIS for the year 1591

AUGUST 1591 GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♄ | ♃ | ♆ | ♅ | ♁ | ♄ | ♃ | ♁ | ♄ | ♃ |
|------|----------|----------|-------|--------|-------|-------|-------|-------|--------|------|--------|--------|-------|-------|-------|---|
| T 1 | 20 35 56 | 7♄56'32 | 17♂22 | 0°R52 | 15♁13 | 20♂10 | 9♁ 7 | 7♄ 0 | 28°R41 | 7♄51 | 15°R14 | 15♄30 | 14♄19 | 24♄53 | 24♂42 | |
| F 2 | 20 39 52 | 8°54'01 | 0♂ 4 | 0♄19 | 16°23 | 20°17 | 9°11 | 7° 7 | 28♂40 | 7°53 | 15°P13 | 15°31 | 14°16 | 24°59 | 24°44 | |
| S 3 | 20 43 49 | 9°51'30 | 13° 6 | 29♄52 | 17°34 | 20°25 | 9°16 | 7°14 | 28°38 | 7°56 | 15°13 | 15°R32 | 14°13 | 25° 6 | 24°46 | |
| S 4 | 20 47 45 | 10°49'01 | 26°30 | 29°30 | 18°44 | 20°34 | 9°21 | 7°21 | 28°37 | 7°58 | 15°13 | 15°31 | 14°10 | 25°13 | 24°48 | |
| M 5 | 20 51 42 | 11°46'32 | 10♄15 | 29°14 | 19°54 | 20°44 | 9°26 | 7°28 | 28°36 | 8° 0 | 15°12 | 15°30 | 14° 7 | 25°20 | 24°49 | |
| T 6 | 20 55 39 | 12°44'05 | 24°18 | 29° 4 | 21° 5 | 20°54 | 9°31 | 7°35 | 28°34 | 8° 2 | 15°12 | 15°27 | 14° 3 | 25°26 | 24°51 | |
| W 7 | 20 59 35 | 13°41'39 | 8♂36 | 29°D 1 | 22°15 | 21° 6 | 9°36 | 7°42 | 28°33 | 8° 5 | 15°11 | 15°23 | 14° 0 | 25°33 | 24°53 | |
| T 8 | 21 3 32 | 14°39'14 | 23° 3 | 29° 4 | 23°25 | 21°17 | 9°42 | 7°49 | 28°31 | 8° 7 | 15°11 | 15°19 | 13°57 | 25°40 | 24°54 | |
| F 9 | 21 7 28 | 15°36'50 | 7♁33 | 29°15 | 24°35 | 21°30 | 9°48 | 7°56 | 28°30 | 8° 9 | 15°10 | 15°15 | 13°54 | 25°46 | 24°56 | |
| S 10 | 21 11 25 | 16°34'28 | 22° 0 | 29°34 | 25°45 | 21°43 | 9°54 | 8° 3 | 28°28 | 8°11 | 15°10 | 15°12 | 13°51 | 25°53 | 24°57 | |
| S 11 | 21 15 21 | 17°32'08 | 6♂22 | 29°59 | 26°55 | 21°57 | 9°59 | 8° 9 | 28°26 | 8°13 | 15° 9 | 15°10 | 13°47 | 26° 0 | 24°59 | |
| M12 | 21 19 18 | 18°29'49 | 20°33 | 0♄32 | 28° 4 | 22°12 | 10° 6 | 8°16 | 28°25 | 8°16 | 15° 9 | 15°D10 | 13°44 | 26° 7 | 25° 0 | |
| T 13 | 21 23 14 | 19°27'33 | 4♁32 | 1°12 | 29°14 | 22°27 | 10°12 | 8°22 | 28°23 | 8°18 | 15° 8 | 15°11 | 13°41 | 26°13 | 25° 1 | |
| W14 | 21 27 11 | 20°25'17 | 18°18 | 1°59 | 0♄24 | 22°43 | 10°18 | 8°29 | 28°21 | 8°20 | 15° 8 | 15°12 | 13°38 | 26°20 | 25° 3 | |
| T 15 | 21 31 8 | 21°23'04 | 1♄52 | 2°53 | 1°33 | 23° 0 | 10°25 | 8°35 | 28°20 | 8°22 | 15° 7 | 15°13 | 13°35 | 26°27 | 25° 4 | |
| F 16 | 21 35 4 | 22°20'52 | 15°14 | 3°53 | 2°43 | 23°17 | 10°32 | 8°42 | 28°18 | 8°24 | 15° 6 | 15°R14 | 13°32 | 26°33 | 25° 5 | |
| S 17 | 21 39 1 | 23°18'42 | 28°23 | 5° 0 | 3°52 | 23°35 | 10°38 | 8°48 | 28°16 | 8°27 | 15° 6 | 15°13 | 13°28 | 26°40 | 25° 6 | |
| S 18 | 21 42 57 | 24°16'33 | 11♄20 | 6°14 | 5° 1 | 23°54 | 10°45 | 8°55 | 28°14 | 8°29 | 15° 5 | 15°11 | 13°25 | 26°47 | 25° 7 | |
| M19 | 21 46 54 | 25°14'26 | 24° 5 | 7°33 | 6°11 | 24°13 | 10°52 | 9° 1 | 28°12 | 8°31 | 15° 4 | 15° 6 | 13°22 | 26°54 | 25° 8 | |
| T 20 | 21 50 50 | 26°12'20 | 6♁38 | 8°58 | 7°20 | 24°33 | 11° 0 | 9° 7 | 28°10 | 8°33 | 15° 4 | 15° 0 | 13°19 | 27° 0 | 25° 9 | |
| W21 | 21 54 47 | 27°10'16 | 18°59 | 10°27 | 8°29 | 24°53 | 11° 7 | 9°13 | 28° 8 | 8°35 | 15° 3 | 14°52 | 13°16 | 27° 7 | 25° 9 | |
| T 22 | 21 58 43 | 28° 8'13 | 1♄10 | 12° 1 | 9°38 | 25°14 | 11°15 | 9°19 | 28° 6 | 8°37 | 15° 2 | 14°45 | 13°12 | 27°14 | 25°10 | |
| F 23 | 22 2 40 | 29° 6'11 | 13°11 | 13°40 | 10°47 | 25°36 | 11°22 | 9°25 | 28° 4 | 8°39 | 15° 2 | 14°37 | 13° 9 | 27°21 | 25°11 | |
| S 24 | 22 6 37 | 0♁ 4'11 | 25° 6 | 15°22 | 11°55 | 25°58 | 11°30 | 9°31 | 28° 2 | 8°41 | 15° 1 | 14°30 | 13° 6 | 27°27 | 25°11 | |
| S 25 | 22 10 33 | 1° 2'13 | 6♁57 | 17° 7 | 13° 4 | 26°20 | 11°38 | 9°37 | 28° 0 | 8°44 | 15° 0 | 14°26 | 13° 3 | 27°34 | 25°12 | |
| M26 | 22 14 30 | 2° 0'16 | 18°49 | 18°55 | 14°12 | 26°43 | 11°46 | 9°43 | 27°58 | 8°46 | 14°59 | 14°23 | 13° 0 | 27°41 | 25°12 | |
| T 27 | 22 18 26 | 2°58'20 | 0♂46 | 20°46 | 15°21 | 27° 7 | 11°54 | 9°49 | 27°56 | 8°48 | 14°58 | 14°D22 | 12°57 | 27°47 | 25°13 | |
| W28 | 22 22 23 | 3°56'26 | 12°54 | 22°38 | 16°29 | 27°31 | 12° 2 | 9°54 | 27°54 | 8°50 | 14°58 | 14°22 | 12°53 | 27°54 | 25°13 | |
| T 29 | 22 26 19 | 4°54'33 | 25°16 | 24°32 | 17°37 | 27°56 | 12°11 | 10° 0 | 27°52 | 8°52 | 14°57 | 14°23 | 12°50 | 28° 1 | 25°13 | |
| F 30 | 22 30 16 | 5°52'42 | 7♂57 | 26°26 | 18°46 | 28°21 | 12°19 | 10° 5 | 27°50 | 8°54 | 14°56 | 14°R24 | 12°47 | 28° 8 | 25°13 | |
| S 31 | 22 34 12 | 6♁50'52 | 21♂ 3 | 28♄22 | 19♄54 | 28♂47 | 12♁28 | 10♄11 | 27♂47 | 8♄56 | 14°P55 | 14♄24 | 12♄44 | 28♄14 | 25♂13 | |

| Day | ☉ | | ☽ | | ♀ | | ♁ | | ♂ | | ♄ | | ♃ | | ♁ | | ♄ | | ♃ | | | | | |
|------|-------------|------------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|-------|-------|-------|-------|-------|------|-------|------|
| | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | |
| T 1 | 18n19 | 20s25 | 2n29 | 15n41 | 4s26 | 6n47 | 1n 1 | 27s49 | 4s42 | 13s38 | 0n59 | 22n40 | 0s39 | 1s14 | 0s46 | 18n22 | 0n 1 | 9s57 | 17s18 | 22n35 | 22n43 | 4s57 | 16n11 | 2s54 |
| F 2 | 18 4 22 5 | 1 24 15 58 | 4 15 | 6 17 | 0 59 | 27 48 | 4 41 | 13 40 | 0 59 | 22 39 | 0 39 | 1 15 | 0 46 | 18 21 | 0 1 | 9 58 | 17 19 | 22 35 | 22 44 | 4 59 | 16 11 | 2 54 | | |
| S 3 | 17 49 22 37 | 0 13 16 15 | 4 4 | 5 47 | 0 56 | 27 48 | 4 40 | 13 42 | 0 58 | 22 39 | 0 39 | 1 15 | 0 46 | 18 21 | 0 1 | 9 58 | 17 19 | 22 35 | 22 44 | 5 2 | 16 11 | 2 54 | | |
| S 4 | 17 33 21 53 | 1s 0 16 33 | 3 50 | 5 17 | 0 53 | 27 47 | 4 39 | 13 43 | 0 58 | 22 39 | 0 39 | 1 16 | 0 46 | 18 20 | 0 1 | 9 59 | 17 19 | 22 35 | 22 44 | 5 4 | 16 11 | 2 55 | | |
| M 5 | 17 18 19 49 | 2 11 16 50 | 3 36 | 4 47 | 0 50 | 27 47 | 4 38 | 13 45 | 0 58 | 22 38 | 0 39 | 1 16 | 0 46 | 18 19 | 0 1 | 9 59 | 17 20 | 22 35 | 22 45 | 5 7 | 16 11 | 2 55 | | |
| T 6 | 17 1 16 32 | 3 17 17 7 | 3 21 | 4 16 | 0 47 | 27 46 | 4 36 | 13 47 | 0 58 | 22 38 | 0 39 | 1 17 | 0 46 | 18 19 | 0 1 | 9 59 | 17 20 | 22 36 | 22 45 | 5 10 | 16 11 | 2 55 | | |
| W 7 | 16 45 12 14 | 4 10 17 23 | 3 5 | 3 46 | 0 44 | 27 46 | 4 35 | 13 49 | 0 57 | 22 38 | 0 39 | 1 17 | 0 46 | 18 18 | 0 1 | 10 0 | 17 20 | 22 36 | 22 45 | 5 12 | 16 11 | 2 55 | | |
| T 8 | 16 28 7 11 | 4 49 17 38 | 2 49 | 3 15 | 0 41 | 27 45 | 4 34 | 13 51 | 0 57 | 22 37 | 0 38 | 1 18 | 0 46 | 18 18 | 0 1 | 10 0 | 17 21 | 22 37 | 22 46 | 5 15 | 16 12 | 2 56 | | |
| F 9 | 16 11 1 44 | 5 9 17 52 | 2 32 | 2 44 | 0 38 | 27 45 | 4 32 | 13 53 | 0 57 | 22 37 | 0 38 | 1 19 | 0 46 | 18 17 | 0 1 | 10 1 | 17 21 | 22 37 | 22 46 | 5 17 | 16 12 | 2 56 | | |
| S 10 | 15 54 3n48 | 5 10 18 5 | 2 15 | 2 14 | 0 35 | 27 44 | 4 31 | 13 55 | 0 57 | 22 37 | 0 38 | 1 19 | 0 47 | 18 17 | 0 1 | 10 1 | 17 21 | 22 37 | 22 46 | 5 20 | 16 12 | 2 56 | | |
| S 11 | 15 37 9 5 | 4 51 18 17 | 1 58 | 1 43 | 0 31 | 27 44 | 4 30 | 13 57 | 0 56 | 22 36 | 0 38 | 1 20 | 0 47 | 18 16 | 0 1 | 10 2 | 17 21 | 22 38 | 22 47 | 5 22 | 16 12 | 2 57 | | |
| M12 | 15 19 13 50 | 4 15 18 27 | 1 40 | 1 12 | 0 28 | 27 43 | 4 28 | 13 59 | 0 56 | 22 36 | 0 38 | 1 21 | 0 47 | 18 16 | 0 1 | 10 2 | 17 22 | 22 38 | 22 47 | 5 25 | 16 12 | 2 57 | | |
| T 13 | 15 1 17 45 | 3 24 18 35 | 1 23 | 0 41 | 0 25 | 27 43 | 4 27 | 14 1 | 0 56 | 22 35 | 0 38 | 1 21 | 0 47 | 18 15 | 0 1 | 10 3 | 17 22 | 22 38 | 22 47 | 5 28 | 16 12 | 2 57 | | |
| W14 | 14 43 20 38 | 2 21 18 41 | 1 7 | 0 10 | 0 21 | 27 42 | 4 25 | 14 4 | 0 56 | 22 35 | 0 38 | 1 22 | 0 47 | 18 14 | 0 1 | 10 3 | 17 22 | 22 37 | 22 48 | 5 30 | 16 12 | 2 57 | | |
| T 15 | 14 24 22 17 | 1 12 18 44 | 0 50 | 0 52 | 0 17 | 27 42 | 4 24 | 14 6 | 0 55 | 22 35 | 0 38 | 1 23 | 0 47 | 18 14 | 0 1 | 10 4 | 17 23 | 22 37 | 22 48 | 5 33 | 16 12 | 2 58 | | |
| F 16 | 14 6 22 37 | 0 0 18 46 | 0 35 | 0 21 | 0 14 | 27 41 | 4 22 | 14 8 | 0 55 | 22 34 | 0 38 | 1 24 | 0 47 | 18 13 | 0 1 | 10 4 | 17 23 | 22 37 | 22 48 | 5 35 | 16 12 | 2 58 | | |
| S 17 | 13 47 21 41 | 1n11 18 45 | 0 19 | 1 23 | 0 10 | 27 40 | 4 20 | 14 11 | 0 55 | 22 34 | 0 38 | 1 24 | 0 47 | 18 13 | 0 1 | 10 5 | 17 23 | 22 37 | 22 48 | 5 38 | 16 12 | 2 58 | | |
| S 18 | 13 28 19 36 | 2 17 18 41 | 0 5 | 1 54 | 0 6 | 27 40 | 4 19 | 14 13 | 0 55 | 22 34 | 0 38 | 1 25 | 0 47 | 18 12 | 0 1 | 10 5 | 17 24 | 22 38 | 22 49 | 5 41 | 16 12 | 2 59 | | |
| M19 | 13 8 16 35 | 3 15 18 34 | 0n 9 | 2 25 | 0 3 | 27 39 | 4 17 | 14 15 | 0 55 | 22 33 | 0 38 | 1 26 | 0 47 | 18 12 | 0 1 | 10 6 | 17 24 | 22 38 | 22 49 | 5 43 | 16 12 | 2 59 | | |
| T 20 | 12 49 12 51 | 4 2 18 25 | 0 22 | 2 56 | 0s 1 | 27 38 | 4 16 | 14 18 | 0 54 | 22 33 | 0 38 | 1 27 | 0 47 | 18 11 | 0 1 | 10 6 | 17 24 | 22 39 | 22 49 | 5 46 | 16 11 | 2 59 | | |
| W21 | 12 29 8 37 | 4 37 18 13 | 0 34 | 3 27 | 0 5 | 27 37 | 4 14 | 14 20 | 0 54 | 22 32 | 0 38 | 1 27 | 0 47 | 18 11 | 0 1 | 10 7 | 17 24 | 22 40 | 22 50 | 5 48 | 16 11 | 3 0 | | |
| T 22 | 12 9 4 7 | 4 59 17 57 | 0 46 | 3 58 | 0 9 | 27 36 | 4 12 | 14 23 | 0 54 | 22 32 | 0 38 | 1 28 | 0 47 | 18 10 | 0 1 | 10 7 | 17 25 | 22 40 | 22 50 | 5 51 | 16 11 | 3 0 | | |
| F 23 | 11 49 0s29 | 5 8 17 39 | 0 56 | 4 29 | 0 13 | 27 36 | 4 11 | 14 26 | 0 54 | 22 32 | 0 38 | 1 29 | 0 47 | 18 9 | 0 1 | 10 8 | 17 25 | 22 41 | 22 50 | 5 53 | 16 11 | 3 0 | | |
| S 24 | 11 28 5 2 | 5 3 17 18 | 1 5 | 4 59 | 0 17 | 27 35 | 4 9 | 14 28 | 0 53 | 22 31 | 0 38 | 1 30 | 0 47 | 18 9 | 0 1 | 10 8 | 17 25 | 22 42 | 22 51 | 5 56 | 16 11 | 3 0 | | |
| S 25 | 11 8 9 23 | 4 45 16 55 | 1 14 | 5 30 | 0 21 | 27 34 | 4 7 | 14 31 | 0 53 | 22 31 | 0 38 | 1 31 | 0 47 | 18 8 | 0 1 | 10 9 | 17 25 | 22 43 | 22 51 | 5 59 | 16 11 | 3 1 | | |
| M26 | 10 47 13 23 | 4 14 16 28 | 1 21 | 6 0 | 0 26 | 27 32 | 4 5 | 14 33 | 0 53 | 22 31 | 0 38 | 1 32 | 0 47 | 18 8 | 0 1 | 10 9 | 17 26 | 22 43 | 22 51 | 6 1 | 16 11 | 3 1 | | |
| T 27 | 10 26 16 53 | 3 33 15 59 | 1 28 | 6 31 | 0 30 | 27 31 | 4 4 | 14 36 | 0 53 | 22 30 | 0 38 | 1 32 | 0 47 | 18 7 | 0 1 | 10 10 | 17 26 | 22 43 | 22 52 | 6 4 | 16 10 | 3 1 | | |
| W28 | 10 5 19 44 | 2 41 15 28 | 1 33 | 7 1 | 0 34 | 27 30 | 4 2 | 14 39 | 0 53 | 22 30 | 0 38 | 1 33 | 0 47 | 18 7 | 0 1 | 10 10 | 17 26 | 22 43 | 22 52 | 6 6 | 16 10 | 3 2 | | |
| T 29 | 9 44 21 43 | 1 41 14 55 | 1 38 | 7 31 | 0 38 | 27 29 | 4 0 | 14 42 | 0 52 | 22 29 | 0 38 | 1 34 | 0 47 | 18 6 | 0 1 | 10 | | | | | | | | |

SWISS EPHEMERIS for the year 1591

SEPTEMBER 1591 GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|---|---|---|---|---|---|---|---|
| S 1 | 22 38 9 | 7m49'04 | 4s35 | 0m18 | 21s 1 | 29s13 | 12m37 | 10s16 | 27R45 | 8s58 | 14R54 | 14R22 | 12s41 | 28s21 | 25R13 | | | | | | | | |
| M 2 | 22 42 6 | 8°47'17 | 18°33 | 2°14 | 22° 9 | 29°39 | 12°45 | 10°22 | 27H43 | 9° 0 | 14Y53 | 14s18 | 12°38 | 28°28 | 25R13 | | | | | | | | |
| T 3 | 22 46 2 | 9°45'32 | 2H56 | 4°10 | 23°17 | 0s 6 | 12°54 | 10°27 | 27°41 | 9° 2 | 14°52 | 14°12 | 12°34 | 28°34 | 25°13 | | | | | | | | |
| W 4 | 22 49 59 | 10°43'49 | 17°38 | 6° 5 | 24°24 | 0°33 | 13° 3 | 10°32 | 27°38 | 9° 4 | 14°52 | 14° 4 | 12°31 | 28°41 | 25°13 | | | | | | | | |
| T 5 | 22 53 55 | 11°42'07 | 2Y32 | 8° 0 | 25°32 | 1° 1 | 13°13 | 10°37 | 27°36 | 9° 6 | 14°51 | 13°55 | 12°28 | 28°48 | 25°13 | | | | | | | | |
| F 6 | 22 57 52 | 12°40'28 | 17°28 | 9°55 | 26°39 | 1°29 | 13°22 | 10°42 | 27°34 | 9° 8 | 14°50 | 13°47 | 12°25 | 28°55 | 25°13 | | | | | | | | |
| S 7 | 23 1 48 | 13°38'50 | 2s18 | 11°49 | 27°46 | 1°58 | 13°31 | 10°47 | 27°32 | 9°10 | 14°49 | 13°39 | 12°22 | 29° 1 | 25°12 | | | | | | | | |
| S 8 | 23 5 45 | 14°37'15 | 16°55 | 13°42 | 28°53 | 2°27 | 13°41 | 10°52 | 27°29 | 9°12 | 14°48 | 13°34 | 12°18 | 29° 8 | 25°12 | | | | | | | | |
| M 9 | 23 9 41 | 15°35'42 | 1s13 | 15°34 | 29°59 | 2°56 | 13°50 | 10°57 | 27°27 | 9°13 | 14°47 | 13°31 | 12°15 | 29°15 | 25°11 | | | | | | | | |
| T 10 | 23 13 38 | 16°34'11 | 15°12 | 17°25 | 1m 6 | 3°25 | 14° 0 | 11° 1 | 27°24 | 9°15 | 14°46 | 13D30 | 12°12 | 29°21 | 25°11 | | | | | | | | |
| W 11 | 23 17 34 | 17°32'43 | 28°51 | 19°16 | 2°13 | 3°55 | 14°10 | 11° 6 | 27°22 | 9°17 | 14°45 | 13°31 | 12° 9 | 29°28 | 25°10 | | | | | | | | |
| T 12 | 23 21 31 | 18°31'16 | 12s11 | 21° 5 | 3°19 | 4°26 | 14°20 | 11°11 | 27°20 | 9°19 | 14°44 | 13R31 | 12° 6 | 29°35 | 25° 9 | | | | | | | | |
| F 13 | 23 25 28 | 19°29'52 | 25°14 | 22°53 | 4°25 | 4°57 | 14°30 | 11°15 | 27°17 | 9°21 | 14°43 | 13°31 | 12° 3 | 29°42 | 25° 9 | | | | | | | | |
| S 14 | 23 29 24 | 20°28'30 | 8s 4 | 24°41 | 5°31 | 5°28 | 14°40 | 11°19 | 27°15 | 9°23 | 14°42 | 13°28 | 11°59 | 29°48 | 25° 8 | | | | | | | | |
| S 15 | 23 33 21 | 21°27'10 | 20°42 | 26°27 | 6°37 | 5°59 | 14°50 | 11°24 | 27°13 | 9°24 | 14°41 | 13°23 | 11°56 | 29°55 | 25° 7 | | | | | | | | |
| M 16 | 23 37 17 | 22°25'52 | 3m10 | 28°12 | 7°43 | 6°31 | 15° 1 | 11°28 | 27°10 | 9°26 | 14°40 | 13°15 | 11°53 | 0m 2 | 25° 6 | | | | | | | | |
| T 17 | 23 41 14 | 23°24'37 | 15°28 | 29°57 | 8°48 | 7° 3 | 15°11 | 11°32 | 27° 8 | 9°28 | 14°39 | 13° 4 | 11°50 | 0° 8 | 25° 5 | | | | | | | | |
| W 18 | 23 45 10 | 24°23'23 | 27°39 | 1s40 | 9°54 | 7°35 | 15°21 | 11°36 | 27° 5 | 9°29 | 14°38 | 12°51 | 11°47 | 0°15 | 25° 4 | | | | | | | | |
| T 19 | 23 49 7 | 25°22'11 | 9s42 | 3°23 | 10°59 | 8° 8 | 15°32 | 11°40 | 27° 3 | 9°31 | 14°36 | 12°38 | 11°44 | 0°22 | 25° 3 | | | | | | | | |
| F 20 | 23 53 3 | 26°21'01 | 21°38 | 5° 4 | 12° 4 | 8°41 | 15°43 | 11°44 | 27° 1 | 9°33 | 14°35 | 12°25 | 11°40 | 0°29 | 25° 1 | | | | | | | | |
| S 21 | 23 57 0 | 27°19'53 | 3m31 | 6°44 | 13° 9 | 9°14 | 15°53 | 11°48 | 26°58 | 9°34 | 14°34 | 12°13 | 11°37 | 0°35 | 25° 0 | | | | | | | | |
| S 22 | 0 0 57 | 28°18'47 | 15°20 | 8°24 | 14°13 | 9°48 | 16° 4 | 11°51 | 26°56 | 9°36 | 14°33 | 12° 4 | 11°34 | 0°42 | 24°59 | | | | | | | | |
| M 23 | 0 4 53 | 29°17'43 | 27°11 | 10° 3 | 15°18 | 10°22 | 16°15 | 11°55 | 26°53 | 9°38 | 14°32 | 11°57 | 11°31 | 0°49 | 24°57 | | | | | | | | |
| T 24 | 0 8 50 | 0s16'41 | 9s 6 | 11°40 | 16°22 | 10°56 | 16°26 | 11°58 | 26°51 | 9°39 | 14°31 | 11°53 | 11°28 | 0°55 | 24°56 | | | | | | | | |
| W 25 | 0 12 46 | 1°15'41 | 21° 9 | 13°17 | 17°26 | 11°30 | 16°37 | 12° 2 | 26°48 | 9°41 | 14°30 | 11°51 | 11°24 | 1° 2 | 24°54 | | | | | | | | |
| T 26 | 0 16 43 | 2°14'42 | 3s27 | 14°53 | 18°29 | 12° 5 | 16°48 | 12° 5 | 26°46 | 9°42 | 14°29 | 11D51 | 11°21 | 1° 9 | 24°53 | | | | | | | | |
| F 27 | 0 20 39 | 3°13'45 | 16° 5 | 16°28 | 19°33 | 12°40 | 17° 0 | 12° 8 | 26°44 | 9°44 | 14°28 | 11R51 | 11°18 | 1°16 | 24°51 | | | | | | | | |
| S 28 | 0 24 36 | 4°12'50 | 29° 6 | 18° 3 | 20°36 | 13°15 | 17°11 | 12°11 | 26°41 | 9°45 | 14°26 | 11°50 | 11°15 | 1°22 | 24°50 | | | | | | | | |
| S 29 | 0 28 32 | 5°11'57 | 12s36 | 19°36 | 21°39 | 13°50 | 17°22 | 12°14 | 26°39 | 9°47 | 14°25 | 11°47 | 11°12 | 1°29 | 24°48 | | | | | | | | |
| M 30 | 0 32 29 | 6s11'05 | 26s35 | 21s 9 | 22m42 | 14s26 | 17m34 | 12s17 | 26H36 | 9s48 | 14Y24 | 11s42 | 11s 9 | 1m36 | 24s46 | | | | | | | | |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | | |
|------|------------|--------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | |
| S 1 | 8n39 | 20s53 | 1s46 | 13n 3 | 1n46 | 9s 1 | 0s51 | 27s24 | 3s55 | 14s50 | 0n52 | 22n28 | 0s38 | 1s37 | 0s47 | 18n 5 | 0n 1 | 10s13 | 17s27 | 22n43 | 22n53 | 6s17 | 16n 9 | 3s 3 |
| M 2 | 8 18 18 | 2 52 | 12 22 | 1 47 | 9 30 | 0 56 | 27 23 | 3 53 | 14 53 | 0 52 | 22 28 | 0 37 | 1 38 | 0 47 | 18 4 | 0 1 | 10 13 | 17 27 | 22 43 | 22 53 | 6 19 | 16 9 | 3 3 | |
| T 3 | 7 56 14 | 1 3 50 | 11 41 | 1 48 | 10 0 | 1 0 | 27 21 | 3 51 | 14 56 | 0 51 | 22 27 | 0 37 | 1 39 | 0 47 | 18 4 | 0 1 | 10 14 | 17 28 | 22 44 | 22 54 | 6 22 | 16 8 | 3 4 | |
| W 4 | 7 34 9 | 5 4 33 | 10 58 | 1 47 | 10 29 | 1 5 | 27 19 | 3 50 | 14 59 | 0 51 | 22 27 | 0 37 | 1 39 | 0 47 | 18 3 | 0 1 | 10 14 | 17 28 | 22 45 | 22 54 | 6 24 | 16 8 | 3 4 | |
| T 5 | 7 11 3 | 3 33 | 4 58 | 1 46 | 10 58 | 1 9 | 27 17 | 3 48 | 15 2 | 0 51 | 22 27 | 0 37 | 1 40 | 0 47 | 18 3 | 0 1 | 10 15 | 17 28 | 22 46 | 22 54 | 6 27 | 16 8 | 3 4 | |
| F 6 | 6 49 2n12 | 5 4 9 | 29 12 | 1 45 | 11 27 | 1 14 | 27 15 | 3 46 | 15 5 | 0 51 | 22 26 | 0 37 | 1 41 | 0 47 | 18 2 | 0 1 | 10 15 | 17 28 | 22 47 | 22 55 | 6 30 | 16 7 | 3 4 | |
| S 7 | 6 27 7 47 | 4 49 | 8 44 | 1 43 | 11 55 | 1 18 | 27 13 | 3 44 | 15 8 | 0 51 | 22 26 | 0 37 | 1 42 | 0 47 | 18 2 | 0 1 | 10 16 | 17 28 | 22 47 | 22 55 | 6 32 | 16 7 | 3 5 | |
| S 8 | 6 4 12 51 | 4 15 | 7 58 | 1 40 | 12 23 | 1 23 | 27 10 | 3 42 | 15 11 | 0 50 | 22 26 | 0 37 | 1 43 | 0 47 | 18 1 | 0 1 | 10 16 | 17 29 | 22 48 | 22 55 | 6 35 | 16 7 | 3 5 | |
| M 9 | 5 41 17 6 | 3 25 | 7 12 | 1 37 | 12 51 | 1 27 | 27 8 | 3 40 | 15 14 | 0 50 | 22 25 | 0 37 | 1 44 | 0 47 | 18 1 | 0 1 | 10 17 | 17 29 | 22 48 | 22 56 | 6 37 | 16 6 | 3 5 | |
| T 10 | 5 19 20 16 | 2 25 | 6 25 | 1 33 | 13 19 | 1 32 | 27 5 | 3 39 | 15 17 | 0 50 | 22 25 | 0 37 | 1 45 | 0 47 | 18 0 | 0 1 | 10 17 | 17 29 | 22 48 | 22 56 | 6 40 | 16 6 | 3 6 | |
| W 11 | 4 56 22 12 | 1 17 | 5 38 | 1 29 | 13 47 | 1 36 | 27 3 | 3 37 | 15 20 | 0 50 | 22 25 | 0 37 | 1 46 | 0 47 | 18 0 | 0 1 | 10 18 | 17 29 | 22 48 | 22 56 | 6 43 | 16 5 | 3 6 | |
| T 12 | 4 33 22 49 | 0 7 | 4 51 | 1 25 | 14 14 | 1 41 | 27 0 | 3 35 | 15 23 | 0 50 | 22 24 | 0 37 | 1 47 | 0 47 | 17 59 | 0 2 | 10 18 | 17 29 | 22 48 | 22 56 | 6 45 | 16 5 | 3 6 | |
| F 13 | 4 10 22 9 | 1n 2 | 4 4 | 1 20 | 14 41 | 1 46 | 26 57 | 3 33 | 15 26 | 0 49 | 22 24 | 0 37 | 1 48 | 0 47 | 17 59 | 0 2 | 10 19 | 17 29 | 22 48 | 22 57 | 6 48 | 16 4 | 3 7 | |
| S 14 | 3 47 20 20 | 2 7 | 3 16 | 1 15 | 15 7 | 1 50 | 26 54 | 3 31 | 15 29 | 0 49 | 22 24 | 0 37 | 1 49 | 0 47 | 17 58 | 0 2 | 10 19 | 17 30 | 22 49 | 22 57 | 6 50 | 16 4 | 3 7 | |
| S 15 | 3 24 17 31 | 3 4 | 2 29 | 1 10 | 15 34 | 1 55 | 26 50 | 3 29 | 15 33 | 0 49 | 22 23 | 0 37 | 1 50 | 0 47 | 17 58 | 0 2 | 10 20 | 17 30 | 22 49 | 22 57 | 6 53 | 16 3 | 3 7 | |
| M 16 | 3 1 13 57 | 3 51 | 1 42 | 1 5 | 16 0 | 1 59 | 26 47 | 3 27 | 15 36 | 0 49 | 22 23 | 0 37 | 1 51 | 0 47 | 17 57 | 0 2 | 10 21 | 17 30 | 22 50 | 22 58 | 6 55 | 16 3 | 3 7 | |
| T 17 | 2 37 9 50 | 4 27 | 0 55 | 0 59 | 16 25 | 2 4 | 26 44 | 3 26 | 15 39 | 0 49 | 22 23 | 0 37 | 1 52 | 0 47 | 17 57 | 0 2 | 10 21 | 17 30 | 22 51 | 22 58 | 6 58 | 16 2 | 3 8 | |
| W 18 | 2 14 5 23 | 4 50 | 0 8 | 0 53 | 16 51 | 2 8 | 26 40 | 3 24 | 15 42 | 0 49 | 22 22 | 0 37 | 1 53 | 0 47 | 17 56 | 0 2 | 10 22 | 17 30 | 22 52 | 22 58 | 7 1 | 16 2 | 3 8 | |
| T 19 | 1 51 0 45 | 5 0 | 0s38 | 0 46 | 17 16 | 2 13 | 26 36 | 3 22 | 15 45 | 0 48 | 22 22 | 0 37 | 1 54 | 0 47 | 17 56 | 0 2 | 10 22 | 17 30 | 22 53 | 22 58 | 7 3 | 16 1 | 3 8 | |
| F 20 | 1 27 3s52 | 4 57 | 1 24 | 0 40 | 17 40 | 2 17 | 26 32 | 3 20 | 15 49 | 0 48 | 22 22 | 0 37 | 1 55 | 0 47 | 17 56 | 0 2 | 10 23 | 17 30 | 22 55 | 22 59 | 7 6 | 16 1 | 3 9 | |
| S 21 | 1 4 8 19 | 4 41 | 2 10 | 0 34 | 18 4 | 2 22 | 26 28 | 3 18 | 15 52 | 0 48 | 22 21 | 0 37 | 1 56 | 0 47 | 17 55 | 0 2 | 10 23 | 17 30 | 22 56 | 22 59 | 7 8 | 16 0 | 3 9 | |
| S 22 | 0 40 12 27 | 4 12 | 2 56 | 0 27 | 18 28 | 2 26 | 26 24 | 3 16 | 15 55 | 0 48 | 22 21 | 0 37 | 1 57 | 0 47 | 17 55 | 0 2 | 10 24 | 17 31 | 22 57 | 22 59 | 7 11 | 16 0 | 3 9 | |
| M 23 | 0 17 16 7 | 3 33 | 3 41 | 0 20 | 18 52 | 2 31 | 26 19 | 3 14 | 15 58 | 0 48 | 22 21 | 0 37 | 1 58 | 0 47 | 17 54 | 0 2 | 10 24 | 17 31 | 22 57 | 23 0 | 7 14 | 15 59 | 3 9 | |
| T 24 | 0s 7 19 10 | 2 44 | 4 25 | 0 13 | 19 15 | 2 35 | 26 14 | 3 13 | 16 2 | 0 48 | 22 20 | 0 37 | 1 58 | 0 47 | 17 54 | 0 2 | 10 25 | 17 31 | 22 58 | 23 0 | 7 16 | 15 58 | 3 10 | |
| W 25 | 0 30 21 25 | 1 47 | 5 10 | 0 6 | 19 37 | 2 40 | 26 10 | 3 11 | 16 5 | 0 47 | 22 20 | 0 37 | 1 59 | 0 47 | 17 54 | 0 2 | 10 25 | 17 31 | 22 58 | 23 0 | 7 19 | 15 58 | 3 10 | |
| T 26 | 0 54 22 43 | 0 44 | 5 53 | 0s 1 | 20 0 | 2 44 | 26 5 | 3 9 | 16 8 | 0 47 | 22 20 | 0 37 | 2 0 | 0 47 | 17 53 | 0 2 | 10 26 | 17 31 | 22 58 | 23 0 | 7 21 | 15 57 | 3 10 | |
| F 27 | 1 17 22 53 | 0s22 | 6 37 | 0 8 | 20 21 | 2 48 | 26 0 | 3 7 | 16 12 | 0 47 | 22 20 | 0 37 | 2 1 | 0 47 | 17 53 | 0 2 | 10 26 | 17 31 | 22 58 | 23 1 | 7 24 | 15 56 | 3 11 | |
| S 28 | 1 41 21 51 | 1 30 | 7 19 | 0 15 | 20 43 | 2 53 | 25 54 | 3 5 | 16 15 | 0 47 | 22 19 | 0 37 | 2 2 | 0 47 | 17 52 | 0 2 | 10 27 | 17 31 | 22 58 | 23 1 | 7 26 | 15 56 | 3 11 | |
| S 29 | 2 4 19 32 | 2 35 | 8 2 | 0 22 | 21 4 | 2 57 | 25 49 | 3 3 | 16 18 | 0 47 | 22 19 | 0 37 | 2 3 | 0 47 | 17 52 | 0 2 | 10 27 | 17 31 | 22 58 | | | | | |

SWISS EPHEMERIS for the year 1591

OCTOBER 1591 GC

00:00 UT

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

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|---------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| T 1 | 2s51 | 11s25 | 4s19 | 9s24 | 0s36 | 21s44 | 3s 5 | 25s37 | 3s 0 | 16s25 | 0n47 | 22n19 | 0s37 | 2s 5 | 0s47 | 17n51 | 0n 2 | 10s28 | 17s31 | 22n59 | 23n 2 | 7s34 | 15n54 | 3s12 |
| W 2 | 3 15 | 6 2 | 4 49 | 10 5 | 0 43 | 22 4 | 3 9 | 25 31 | 2 58 | 16 29 | 0 46 | 22 18 | 0 37 | 2 6 | 0 47 | 17 51 | 0 2 | 10 28 | 17 31 | 23 0 | 23 2 | 7 37 | 15 53 | 3 12 |
| T 3 | 3 38 | 0 12 | 5 0 | 10 44 | 0 51 | 22 23 | 3 13 | 25 25 | 2 56 | 16 32 | 0 46 | 22 18 | 0 37 | 2 7 | 0 47 | 17 51 | 0 2 | 10 29 | 17 31 | 23 1 | 23 2 | 7 39 | 15 52 | 3 12 |
| F 4 | 4 1 | 5n42 | 4 50 | 11 24 | 0 58 | 22 41 | 3 17 | 25 19 | 2 54 | 16 35 | 0 46 | 22 18 | 0 37 | 2 8 | 0 47 | 17 50 | 0 2 | 10 29 | 17 31 | 23 2 | 23 2 | 7 42 | 15 51 | 3 12 |
| S 5 | 4 25 | 11 14 | 4 19 | 12 2 | 1 5 | 22 59 | 3 21 | 25 12 | 2 52 | 16 39 | 0 46 | 22 18 | 0 36 | 2 9 | 0 47 | 17 50 | 0 2 | 10 30 | 17 31 | 23 3 | 23 3 | 7 45 | 15 51 | 3 13 |
| S 6 | 4 48 | 16 0 | 3 30 | 12 40 | 1 12 | 23 17 | 3 25 | 25 5 | 2 51 | 16 42 | 0 46 | 22 18 | 0 36 | 2 10 | 0 47 | 17 50 | 0 2 | 10 30 | 17 31 | 23 3 | 23 3 | 7 47 | 15 50 | 3 13 |
| M 7 | 5 11 | 19 41 | 2 29 | 13 17 | 1 18 | 23 34 | 3 29 | 24 58 | 2 49 | 16 46 | 0 46 | 22 18 | 0 36 | 2 11 | 0 47 | 17 49 | 0 2 | 10 31 | 17 31 | 23 4 | 23 3 | 7 50 | 15 49 | 3 13 |
| T 8 | 5 34 | 22 4 | 1 21 | 13 53 | 1 25 | 23 50 | 3 32 | 24 51 | 2 47 | 16 49 | 0 46 | 22 17 | 0 36 | 2 11 | 0 47 | 17 49 | 0 2 | 10 31 | 17 31 | 23 4 | 23 3 | 7 52 | 15 48 | 3 14 |
| W 9 | 5 57 | 23 2 | 0 9 | 14 28 | 1 32 | 24 6 | 3 36 | 24 44 | 2 45 | 16 52 | 0 45 | 22 17 | 0 36 | 2 12 | 0 47 | 17 49 | 0 2 | 10 32 | 17 31 | 23 4 | 23 4 | 7 55 | 15 48 | 3 14 |
| T 10 | 6 20 | 22 39 | 1n 1 | 15 3 | 1 38 | 24 22 | 3 40 | 24 36 | 2 43 | 16 56 | 0 45 | 22 17 | 0 36 | 2 13 | 0 47 | 17 48 | 0 2 | 10 32 | 17 31 | 23 4 | 23 4 | 7 57 | 15 47 | 3 14 |
| F 11 | 6 43 | 21 3 | 2 6 | 15 37 | 1 45 | 24 37 | 3 43 | 24 29 | 2 41 | 16 59 | 0 45 | 22 17 | 0 36 | 2 14 | 0 47 | 17 48 | 0 2 | 10 32 | 17 31 | 23 4 | 23 4 | 8 0 | 15 46 | 3 14 |
| S 12 | 7 6 | 18 26 | 3 3 | 16 10 | 1 51 | 24 51 | 3 46 | 24 21 | 2 40 | 17 3 | 0 45 | 22 17 | 0 36 | 2 15 | 0 47 | 17 48 | 0 2 | 10 33 | 17 31 | 23 4 | 23 5 | 8 3 | 15 45 | 3 15 |
| S 13 | 7 29 | 15 0 | 3 50 | 16 42 | 1 57 | 25 5 | 3 49 | 24 13 | 2 38 | 17 6 | 0 45 | 22 17 | 0 36 | 2 16 | 0 47 | 17 48 | 0 2 | 10 33 | 17 31 | 23 5 | 23 5 | 8 5 | 15 44 | 3 15 |
| M14 | 7 51 | 10 59 | 4 26 | 17 13 | 2 3 | 25 18 | 3 53 | 24 4 | 2 36 | 17 9 | 0 45 | 22 17 | 0 36 | 2 17 | 0 47 | 17 47 | 0 2 | 10 34 | 17 31 | 23 5 | 23 5 | 8 8 | 15 43 | 3 15 |
| T 15 | 8 14 | 6 35 | 4 49 | 17 43 | 2 9 | 25 31 | 3 56 | 23 56 | 2 34 | 17 13 | 0 45 | 22 17 | 0 36 | 2 17 | 0 47 | 17 47 | 0 2 | 10 34 | 17 31 | 23 6 | 23 5 | 8 10 | 15 43 | 3 15 |
| W16 | 8 36 | 1 57 | 4 59 | 18 13 | 2 14 | 25 43 | 3 58 | 23 47 | 2 32 | 17 16 | 0 44 | 22 16 | 0 36 | 2 18 | 0 47 | 17 47 | 0 2 | 10 34 | 17 31 | 23 7 | 23 6 | 8 13 | 15 42 | 3 15 |
| T 17 | 8 58 | 2s43 | 4 56 | 18 41 | 2 20 | 25 55 | 4 1 | 23 39 | 2 31 | 17 20 | 0 44 | 22 16 | 0 36 | 2 19 | 0 47 | 17 47 | 0 2 | 10 35 | 17 31 | 23 8 | 23 6 | 8 15 | 15 41 | 3 16 |
| F 18 | 9 20 | 7 16 | 4 41 | 19 8 | 2 25 | 26 6 | 4 4 | 23 30 | 2 29 | 17 23 | 0 44 | 22 16 | 0 36 | 2 20 | 0 47 | 17 46 | 0 2 | 10 35 | 17 31 | 23 9 | 23 6 | 8 18 | 15 40 | 3 16 |
| S 19 | 9 42 | 11 32 | 4 12 | 19 34 | 2 29 | 26 16 | 4 6 | 23 20 | 2 27 | 17 26 | 0 44 | 22 16 | 0 36 | 2 21 | 0 47 | 17 46 | 0 2 | 10 35 | 17 31 | 23 10 | 23 6 | 8 21 | 15 39 | 3 16 |
| S 20 | 10 4 15 | 23 3 | 3 33 | 19 58 | 2 34 | 26 26 | 4 9 | 23 11 | 2 25 | 17 30 | 0 44 | 22 16 | 0 36 | 2 21 | 0 47 | 17 46 | 0 2 | 10 36 | 17 31 | 23 11 | 23 6 | 8 23 | 15 38 | 3 16 |
| M21 | 10 26 | 18 39 | 2 45 | 20 22 | 2 38 | 26 36 | 4 11 | 23 1 | 2 24 | 17 33 | 0 44 | 22 16 | 0 36 | 2 22 | 0 47 | 17 46 | 0 2 | 10 36 | 17 31 | 23 11 | 23 7 | 8 26 | 15 37 | 3 17 |
| T 22 | 10 48 | 21 8 | 1 49 | 20 44 | 2 41 | 26 44 | 4 13 | 22 52 | 2 22 | 17 37 | 0 44 | 22 16 | 0 36 | 2 23 | 0 47 | 17 45 | 0 2 | 10 37 | 17 31 | 23 12 | 23 7 | 8 28 | 15 36 | 3 17 |
| W23 | 11 9 | 22 43 | 0 47 | 21 5 | 2 45 | 26 53 | 4 15 | 22 42 | 2 20 | 17 40 | 0 44 | 22 16 | 0 36 | 2 24 | 0 47 | 17 45 | 0 2 | 10 37 | 17 31 | 23 12 | 23 7 | 8 31 | 15 35 | 3 17 |
| T 24 | 11 30 | 23 14 | 0s18 | 21 24 | 2 47 | 27 0 | 4 17 | 22 32 | 2 18 | 17 43 | 0 44 | 22 16 | 0 36 | 2 24 | 0 47 | 17 45 | 0 2 | 10 37 | 17 30 | 23 12 | 23 7 | 8 34 | 15 35 | 3 17 |
| F 25 | 11 51 | 22 35 | 1 24 | 21 42 | 2 50 | 27 7 | 4 18 | 22 21 | 2 17 | 17 47 | 0 43 | 22 16 | 0 36 | 2 25 | 0 46 | 17 45 | 0 2 | 10 37 | 17 30 | 23 12 | 23 8 | 8 36 | 15 34 | 3 17 |
| S 26 | 12 12 | 20 45 | 2 28 | 21 59 | 2 51 | 27 14 | 4 20 | 22 11 | 2 15 | 17 50 | 0 43 | 22 16 | 0 36 | 2 26 | 0 46 | 17 45 | 0 2 | 10 38 | 17 30 | 23 12 | 23 8 | 8 | | |

SWISS EPHEMERIS for the year 1591

NOVEMBER 1591 GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|--------|--------|-------|-------|-------|--------|--------|--------|--------|-------|------|------|--------|
| F 1 | 2 38 39 | 8♐ 1'58 | 4♉33 | 0♊17 | 22♈30 | 5♋0 | 24♌11 | 12°R52 | 25°R31 | 10♌18 | 13°R48 | 8°R11 | 9♉27 | 5♌11 | 23°R22 |
| S 2 | 2 42 35 | 9° 2'11 | 19°53 | 0°46 | 23°16 | 5°41 | 24°25 | 12♉51 | 25♋29 | 10°18 | 13°V47 | 8♉3 | 9°24 | 5°17 | 23♉19 |
| S 3 | 2 46 32 | 10° 2'26 | 5♐1 | 1° 9 | 24° 0 | 6°21 | 24°38 | 12°50 | 25°28 | 10°19 | 13°46 | 7°56 | 9°21 | 5°24 | 23°16 |
| M 4 | 2 50 28 | 11° 2'44 | 19°49 | 1°24 | 24°44 | 7° 2 | 24°51 | 12°49 | 25°26 | 10°19 | 13°45 | 7°53 | 9°17 | 5°31 | 23°13 |
| T 5 | 2 54 25 | 12° 3'03 | 4♌10 | 1°R31 | 25°26 | 7°43 | 25° 4 | 12°48 | 25°25 | 10°19 | 13°44 | 7°D51 | 9°14 | 5°37 | 23° 9 |
| W 6 | 2 58 21 | 13° 3'24 | 18° 4 | 1°29 | 26° 8 | 8°25 | 25°17 | 12°47 | 25°23 | 10°19 | 13°43 | 7°52 | 9°11 | 5°44 | 23° 6 |
| T 7 | 3 2 18 | 14° 3'47 | 1♑29 | 1°18 | 26°48 | 9° 6 | 25°31 | 12°45 | 25°22 | 10°20 | 13°42 | 7°53 | 9° 8 | 5°51 | 23° 3 |
| F 8 | 3 6 15 | 15° 4'12 | 14°29 | 0°57 | 27°28 | 9°47 | 25°44 | 12°44 | 25°21 | 10°20 | 13°41 | 7°R53 | 9° 5 | 5°57 | 23° 0 |
| S 9 | 3 10 11 | 16° 4'39 | 27° 7 | 0°26 | 28° 6 | 10°29 | 25°57 | 12°42 | 25°19 | 10°20 | 13°40 | 7°52 | 9° 1 | 6° 4 | 22°56 |
| S 10 | 3 14 8 | 17° 5'08 | 9♏29 | 29♌45 | 28°42 | 11°10 | 26°11 | 12°41 | 25°18 | 10°20 | 13°39 | 7°50 | 8°58 | 6°11 | 22°53 |
| M11 | 3 18 4 | 18° 5'39 | 21°38 | 28°54 | 29°18 | 11°52 | 26°24 | 12°39 | 25°17 | 10°20 | 13°38 | 7°45 | 8°55 | 6°18 | 22°50 |
| T 12 | 3 22 1 | 19° 6'11 | 3♌39 | 27°53 | 29°52 | 12°33 | 26°37 | 12°37 | 25°16 | 10°20 | 13°37 | 7°38 | 8°52 | 6°24 | 22°46 |
| W13 | 3 25 57 | 20° 6'46 | 15°33 | 26°44 | 0♉25 | 13°15 | 26°51 | 12°35 | 25°15 | 10°R20 | 13°37 | 7°29 | 8°49 | 6°31 | 22°43 |
| T 14 | 3 29 54 | 21° 7'21 | 27°25 | 25°29 | 0°56 | 13°57 | 27° 4 | 12°33 | 25°14 | 10°20 | 13°36 | 7°20 | 8°46 | 6°38 | 22°40 |
| F 15 | 3 33 50 | 22° 7'59 | 9♍16 | 24° 9 | 1°26 | 14°39 | 27°17 | 12°31 | 25°13 | 10°20 | 13°35 | 7°10 | 8°42 | 6°44 | 22°36 |
| S 16 | 3 37 47 | 23° 8'38 | 21° 8 | 22°48 | 1°54 | 15°20 | 27°31 | 12°29 | 25°12 | 10°20 | 13°34 | 7° 2 | 8°39 | 6°51 | 22°33 |
| S 17 | 3 41 44 | 24° 9'19 | 3♊2 | 21°27 | 2°21 | 16° 2 | 27°44 | 12°26 | 25°11 | 10°20 | 13°33 | 6°55 | 8°36 | 6°58 | 22°29 |
| M18 | 3 45 40 | 25°10'01 | 15° 1 | 20°10 | 2°45 | 16°44 | 27°58 | 12°24 | 25°10 | 10°20 | 13°32 | 6°51 | 8°33 | 7° 5 | 22°26 |
| T 19 | 3 49 37 | 26°10'44 | 27° 5 | 18°58 | 3° 8 | 17°27 | 28°11 | 12°21 | 25° 9 | 10°20 | 13°31 | 6°48 | 8°30 | 7°11 | 22°23 |
| W20 | 3 53 33 | 27°11'29 | 9♎18 | 17°55 | 3°30 | 18° 9 | 28°25 | 12°19 | 25° 8 | 10°20 | 13°31 | 6°D48 | 8°26 | 7°18 | 22°19 |
| T 21 | 3 57 30 | 28°12'14 | 21°42 | 17° 2 | 3°49 | 18°51 | 28°38 | 12°16 | 25° 7 | 10°19 | 13°30 | 6°48 | 8°23 | 7°25 | 22°16 |
| F 22 | 4 1 26 | 29°13'01 | 4♎20 | 16°20 | 4° 6 | 19°33 | 28°51 | 12°13 | 25° 7 | 10°19 | 13°29 | 6°50 | 8°20 | 7°31 | 22°13 |
| S 23 | 4 5 23 | 0♊13'49 | 17°16 | 15°49 | 4°21 | 20°16 | 29° 5 | 12°10 | 25° 6 | 10°19 | 13°28 | 6°52 | 8°17 | 7°38 | 22° 9 |
| S 24 | 4 9 19 | 1°14'38 | 0♈33 | 15°30 | 4°35 | 20°58 | 29°18 | 12° 7 | 25° 6 | 10°18 | 13°28 | 6°R52 | 8°14 | 7°45 | 22° 6 |
| M25 | 4 13 16 | 2°15'27 | 14°13 | 15°D22 | 4°45 | 21°40 | 29°32 | 12° 4 | 25° 5 | 10°18 | 13°27 | 6°52 | 8°11 | 7°51 | 22° 3 |
| T 26 | 4 17 13 | 3°16'18 | 28°19 | 15°24 | 4°54 | 22°23 | 29°45 | 12° 1 | 25° 5 | 10°18 | 13°26 | 6°49 | 8° 7 | 7°58 | 21°59 |
| W27 | 4 21 9 | 4°17'09 | 12°V48 | 15°37 | 5° 1 | 23° 5 | 29°59 | 11°57 | 25° 4 | 10°17 | 13°26 | 6°46 | 8° 4 | 8° 5 | 21°56 |
| T 28 | 4 25 6 | 5°18'01 | 27°38 | 16° 0 | 5° 5 | 23°48 | 0♊12 | 11°54 | 25° 4 | 10°17 | 13°25 | 6°41 | 8° 1 | 8°12 | 21°53 |
| F 29 | 4 29 2 | 6°18'54 | 12♉42 | 16°30 | 5°R 6 | 24°30 | 0°25 | 11°50 | 25° 3 | 10°16 | 13°24 | 6°37 | 7°58 | 8°18 | 21°50 |
| S 30 | 4 32 59 | 7♊19'49 | 27♉51 | 17♌ 8 | 5♉ 6 | 25♋13 | 0♊39 | 11♉47 | 25♋ 3 | 10♌16 | 13°V24 | 6♉33 | 7♉55 | 8♌25 | 21♉47 |

| Day | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | | | | | | | | | |
|------|---------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|-------|------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | | | |
| F 1 | 14s13 | 8n47 | 4s33 | 22s58 | 2s47 | 27s41 | 4s25 | 21s 4 | 2s 5 | 18s10 | 0n43 | 22n17 | 0s36 | 2s30 | 0s46 | 17n44 | 0n 2 | 10s39 | 17s29 | 23n14 | 23n 9 | 8s54 | 15n27 | 3s19 |
| S 2 | 14 32 | 14 6 | 3 47 | 23 1 | 2 43 | 27 44 | 4 25 | 20 53 | 2 3 | 18 14 | 0 43 | 22 17 | 0 36 | 2 30 | 0 46 | 17 44 | 0 2 | 10 40 | 17 29 | 23 15 | 23 10 | 8 57 | 15 26 | 3 19 |
| S 3 | 14 52 | 18 27 | 2 46 | 23 0 | 2 38 | 27 46 | 4 25 | 20 41 | 2 1 | 18 17 | 0 42 | 22 17 | 0 36 | 2 31 | 0 46 | 17 44 | 0 2 | 10 40 | 17 29 | 23 15 | 23 10 | 8 59 | 15 25 | 3 19 |
| M 4 | 15 10 | 21 31 | 1 35 | 22 57 | 2 31 | 27 47 | 4 24 | 20 29 | 1 59 | 18 20 | 0 42 | 22 17 | 0 35 | 2 31 | 0 46 | 17 44 | 0 2 | 10 40 | 17 29 | 23 15 | 23 10 | 9 2 | 15 24 | 3 19 |
| T 5 | 15 29 | 23 6 | 0 20 | 22 51 | 2 24 | 27 49 | 4 24 | 20 16 | 1 58 | 18 23 | 0 42 | 22 17 | 0 35 | 2 32 | 0 46 | 17 44 | 0 2 | 10 40 | 17 29 | 23 16 | 23 10 | 9 4 | 15 23 | 3 19 |
| W 6 | 15 48 | 23 10 | 0n55 | 22 42 | 2 14 | 27 49 | 4 23 | 20 4 | 1 56 | 18 27 | 0 42 | 22 17 | 0 35 | 2 33 | 0 46 | 17 44 | 0 2 | 10 40 | 17 29 | 23 15 | 23 10 | 9 7 | 15 22 | 3 19 |
| T 7 | 16 6 | 21 53 | 2 3 | 22 29 | 2 4 | 27 49 | 4 22 | 19 52 | 1 54 | 18 30 | 0 42 | 22 18 | 0 35 | 2 33 | 0 46 | 17 44 | 0 2 | 10 41 | 17 28 | 23 15 | 23 11 | 9 9 | 15 21 | 3 20 |
| F 8 | 16 24 | 19 27 | 3 4 | 22 12 | 1 51 | 27 49 | 4 21 | 19 39 | 1 53 | 18 33 | 0 42 | 22 18 | 0 35 | 2 34 | 0 46 | 17 44 | 0 2 | 10 41 | 17 28 | 23 15 | 23 11 | 9 12 | 15 20 | 3 20 |
| S 9 | 16 41 | 16 9 | 3 53 | 21 52 | 1 37 | 27 48 | 4 19 | 19 26 | 1 51 | 18 36 | 0 42 | 22 18 | 0 35 | 2 34 | 0 46 | 17 44 | 0 2 | 10 41 | 17 28 | 23 15 | 23 11 | 9 15 | 15 19 | 3 20 |
| S 10 | 16 58 | 12 12 | 4 31 | 21 28 | 1 22 | 27 46 | 4 17 | 19 13 | 1 49 | 18 40 | 0 42 | 22 18 | 0 35 | 2 34 | 0 46 | 17 43 | 0 2 | 10 41 | 17 28 | 23 16 | 23 11 | 9 17 | 15 18 | 3 20 |
| M11 | 17 15 | 7 50 | 4 55 | 21 0 | 1 4 | 27 44 | 4 15 | 19 0 | 1 48 | 18 43 | 0 42 | 22 18 | 0 35 | 2 35 | 0 46 | 17 43 | 0 2 | 10 41 | 17 27 | 23 16 | 23 11 | 9 20 | 15 18 | 3 20 |
| T 12 | 17 32 | 3 14 | 5 6 | 20 29 | 0 46 | 27 42 | 4 12 | 18 46 | 1 46 | 18 46 | 0 42 | 22 19 | 0 35 | 2 35 | 0 46 | 17 43 | 0 2 | 10 41 | 17 27 | 23 16 | 23 12 | 9 22 | 15 17 | 3 20 |
| W13 | 17 49 | 1s28 | 5 4 | 19 54 | 0 26 | 27 39 | 4 9 | 18 33 | 1 45 | 18 49 | 0 42 | 22 19 | 0 35 | 2 36 | 0 46 | 17 43 | 0 2 | 10 42 | 17 27 | 23 17 | 23 12 | 9 25 | 15 16 | 3 20 |
| T 14 | 18 5 | 6 5 | 4 49 | 19 16 | 0 6 | 27 35 | 4 6 | 18 19 | 1 43 | 18 52 | 0 41 | 22 19 | 0 35 | 2 36 | 0 46 | 17 43 | 0 2 | 10 42 | 17 27 | 23 17 | 23 12 | 9 27 | 15 15 | 3 20 |
| F 15 | 18 21 | 10 29 | 4 21 | 18 37 | 0n14 | 27 31 | 4 2 | 18 6 | 1 41 | 18 56 | 0 41 | 22 19 | 0 35 | 2 36 | 0 46 | 17 44 | 0 2 | 10 42 | 17 27 | 23 18 | 23 12 | 9 30 | 15 14 | 3 21 |
| S 16 | 18 36 | 14 31 | 3 42 | 17 57 | 0 35 | 27 27 | 3 59 | 17 52 | 1 40 | 18 59 | 0 41 | 22 20 | 0 35 | 2 37 | 0 46 | 17 44 | 0 2 | 10 42 | 17 26 | 23 18 | 23 13 | 9 33 | 15 13 | 3 21 |
| S 17 | 18 51 | 17 59 | 2 53 | 17 17 | 0 55 | 27 22 | 3 54 | 17 37 | 1 38 | 19 2 | 0 41 | 22 20 | 0 35 | 2 37 | 0 46 | 17 44 | 0 2 | 10 42 | 17 26 | 23 19 | 23 13 | 9 35 | 15 12 | 3 21 |
| M18 | 19 6 | 20 44 | 1 55 | 16 39 | 1 13 | 27 17 | 3 50 | 17 23 | 1 37 | 19 5 | 0 41 | 22 20 | 0 35 | 2 37 | 0 46 | 17 44 | 0 2 | 10 42 | 17 26 | 23 19 | 23 13 | 9 38 | 15 11 | 3 21 |
| T 19 | 19 20 | 22 35 | 0 52 | 16 3 | 1 31 | 27 12 | 3 45 | 17 9 | 1 35 | 19 8 | 0 41 | 22 20 | 0 35 | 2 38 | 0 46 | 17 44 | 0 2 | 10 42 | 17 26 | 23 19 | 23 13 | 9 40 | 15 10 | 3 21 |
| W20 | 19 34 | 23 24 | 0s14 | 15 31 | 1 46 | 27 6 | 3 39 | 16 54 | 1 33 | 19 11 | 0 41 | 22 21 | 0 35 | 2 38 | 0 46 | 17 44 | 0 2 | 10 42 | 17 25 | 23 19 | 23 13 | 9 43 | 15 9 | 3 21 |
| T 21 | 19 48 | 23 4 | 1 20 | 15 3 | 1 59 | 26 59 | 3 33 | 16 40 | 1 32 | 19 14 | 0 41 | 22 21 | 0 35 | 2 38 | 0 46 | 17 44 | 0 2 | 10 42 | 17 25 | 23 19 | 23 14 | 9 45 | 15 8 | 3 21 |
| F 22 | 20 2 21 | 33 3 | 2 24 | 14 40 | 2 11 | 26 52 | 3 27 | 16 25 | 1 30 | 19 17 | 0 41 | 22 21 | 0 35 | 2 39 | 0 46 | 17 44 | 0 2 | 10 42 | 17 25 | 23 19 | 23 14 | 9 48 | 15 7 | 3 21 |
| S 23 | 20 15 | 18 55 | 3 23 | 14 23 | 2 20 | 26 45 | 3 20 | 16 10 | 1 29 | 19 20 | 0 41 | 22 22 | 0 35 | 2 39 | 0 45 | 17 44 | 0 2 | 10 42 | 17 25 | 23 19 | 23 14 | 9 50 | 15 6 | 3 21 |
| S 24 | 20 27 | 15 14 | 4 12 | 14 10 | 2 27 | 26 38 | 3 13 | 15 55 | 1 27 | 19 23 | 0 41 | 22 22 | 0 35 | 2 39 | 0 45 | 17 44 | 0 2 | | | | | | | |

SWISS EPHEMERIS for the year 1591

DECEMBER 1591 GC

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|-----------------------|----------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|---------------------|---|
| S 1 | 4 36 55 | 8 ^h 20'44 | 12 ^h II55 | 17 ^h M53 | 5 ^h R 2 | 25 ^h ≈56 | 0 ^h ≈52 | 11 ^h R43 | 25 ^h R 3 | 10 ^h R15 | 13 ^h R23 | 6 ^h R30 | 7 ^h ≈52 | 8 ^h M32 | 21 ^h R43 | |
| M 2 | 4 40 52 | 9 ^h 21'40 | 27 ^h 44 | 18 ^h 44 | 4 ^h ≈57 | 26 ^h 38 | 1 ^h 6 | 11 ^h ≈39 | 25 ^h ≈3 | 10 ^h L14 | 13 ^h ≈22 | 6 ^h ≈28 | 7 ^h 48 | 8 ^h 38 | 21 ^h ≈40 | |
| T 3 | 4 44 48 | 10 ^h 22'37 | 12 ^h ≈13 | 19 ^h 40 | 4 ^h 48 | 27 ^h 21 | 1 ^h 19 | 11 ^h 36 | 25 ^h 3 | 10 ^h 14 | 13 ^h 22 | 6 ^h D28 | 7 ^h 45 | 8 ^h 45 | 21 ^h ≈37 | |
| W 4 | 4 48 45 | 11 ^h 23'36 | 26 ^h 15 | 20 ^h 40 | 4 ^h 38 | 28 ^h 4 | 1 ^h 32 | 11 ^h 32 | 25 ^h 3 | 10 ^h 13 | 13 ^h 21 | 6 ^h 29 | 7 ^h 42 | 8 ^h 52 | 21 ^h ≈34 | |
| T 5 | 4 52 42 | 12 ^h 24'35 | 9 ^h ≈50 | 21 ^h 45 | 4 ^h 24 | 28 ^h 46 | 1 ^h 46 | 11 ^h 28 | 25 ^h D 3 | 10 ^h 12 | 13 ^h 21 | 6 ^h 30 | 7 ^h 39 | 8 ^h 59 | 21 ^h ≈31 | |
| F 6 | 4 56 38 | 13 ^h 25'36 | 22 ^h 59 | 22 ^h 53 | 4 ^h 9 | 29 ^h 29 | 1 ^h 59 | 11 ^h 24 | 25 ^h 3 | 10 ^h 12 | 13 ^h 20 | 6 ^h 32 | 7 ^h 36 | 9 ^h 5 | 21 ^h ≈28 | |
| S 7 | 5 0 35 | 14 ^h 26'37 | 5 ^h ≈44 | 24 ^h 4 | 3 ^h 51 | 0 ^h ≈12 | 2 ^h 12 | 11 ^h 20 | 25 ^h 3 | 10 ^h 11 | 13 ^h 20 | 6 ^h 33 | 7 ^h 32 | 9 ^h 12 | 21 ^h ≈25 | |
| S 8 | 5 4 31 | 15 ^h 27'40 | 18 ^h 9 | 25 ^h 17 | 3 ^h 30 | 0 ^h 55 | 2 ^h 26 | 11 ^h 16 | 25 ^h 3 | 10 ^h 10 | 13 ^h 19 | 6 ^h R33 | 7 ^h 29 | 9 ^h 19 | 21 ^h ≈22 | |
| M 9 | 5 8 28 | 16 ^h 28'43 | 0 ^h ≈19 | 26 ^h 33 | 3 ^h 8 | 1 ^h 38 | 2 ^h 39 | 11 ^h 11 | 25 ^h 3 | 10 ^h 9 | 13 ^h 19 | 6 ^h 33 | 7 ^h 26 | 9 ^h 25 | 21 ^h ≈19 | |
| T 10 | 5 12 24 | 17 ^h 29'48 | 12 ^h 18 | 27 ^h 51 | 2 ^h 43 | 2 ^h 20 | 2 ^h 52 | 11 ^h 7 | 25 ^h 3 | 10 ^h 8 | 13 ^h 19 | 6 ^h 31 | 7 ^h 23 | 9 ^h 32 | 21 ^h ≈16 | |
| W 11 | 5 16 21 | 18 ^h 30'53 | 24 ^h 11 | 29 ^h 11 | 2 ^h 16 | 3 ^h 3 | 3 ^h 5 | 11 ^h 3 | 25 ^h 3 | 10 ^h 7 | 13 ^h 18 | 6 ^h 29 | 7 ^h 20 | 9 ^h 39 | 21 ^h ≈13 | |
| T 12 | 5 20 17 | 19 ^h 32'00 | 6 ^h M 1 | 0 ^h ≈32 | 1 ^h 48 | 3 ^h 46 | 3 ^h 19 | 10 ^h 58 | 25 ^h 4 | 10 ^h 7 | 13 ^h 18 | 6 ^h 26 | 7 ^h 17 | 9 ^h 45 | 21 ^h ≈10 | |
| F 13 | 5 24 14 | 20 ^h 33'07 | 17 ^h 52 | 1 ^h 54 | 1 ^h 18 | 4 ^h 29 | 3 ^h 32 | 10 ^h 54 | 25 ^h 4 | 10 ^h 6 | 13 ^h 17 | 6 ^h 23 | 7 ^h 13 | 9 ^h 52 | 21 ^h ≈7 | |
| S 14 | 5 28 11 | 21 ^h 34'15 | 29 ^h 47 | 3 ^h 17 | 0 ^h 46 | 5 ^h 12 | 3 ^h 45 | 10 ^h 49 | 25 ^h 5 | 10 ^h 5 | 13 ^h 17 | 6 ^h 21 | 7 ^h 10 | 9 ^h 59 | 21 ^h ≈4 | |
| S 15 | 5 32 7 | 22 ^h 35'23 | 11 ^h ≈48 | 4 ^h 42 | 0 ^h 12 | 5 ^h 55 | 3 ^h 58 | 10 ^h 45 | 25 ^h 5 | 10 ^h 4 | 13 ^h 17 | 6 ^h 19 | 7 ^h 7 | 10 ^h 6 | 21 ^h ≈2 | |
| M 16 | 5 36 4 | 23 ^h 36'33 | 23 ^h 57 | 6 ^h 7 | 29 ^h ≈38 | 6 ^h 38 | 4 ^h 11 | 10 ^h 40 | 25 ^h 6 | 10 ^h 3 | 13 ^h 16 | 6 ^h 18 | 7 ^h 4 | 10 ^h 12 | 20 ^h 59 | |
| T 17 | 5 40 0 | 24 ^h 37'42 | 6 ^h ≈15 | 7 ^h 33 | 29 ^h 3 | 7 ^h 21 | 4 ^h 24 | 10 ^h 35 | 25 ^h 6 | 10 ^h 2 | 13 ^h 16 | 6 ^h D17 | 7 ^h 1 | 10 ^h 19 | 20 ^h 56 | |
| W 18 | 5 43 57 | 25 ^h 38'52 | 18 ^h 44 | 9 ^h 0 | 28 ^h 27 | 8 ^h 4 | 4 ^h 37 | 10 ^h 31 | 25 ^h 7 | 10 ^h 0 | 13 ^h 16 | 6 ^h 18 | 6 ^h 58 | 10 ^h 26 | 20 ^h 54 | |
| T 19 | 5 47 53 | 26 ^h 40'03 | 1 ^h ≈24 | 10 ^h 28 | 27 ^h 51 | 8 ^h 47 | 4 ^h 50 | 10 ^h 26 | 25 ^h 8 | 9 ^h 59 | 13 ^h 16 | 6 ^h 18 | 6 ^h 54 | 10 ^h 32 | 20 ^h 51 | |
| F 20 | 5 51 50 | 27 ^h 41'13 | 14 ^h 18 | 11 ^h 56 | 27 ^h 14 | 9 ^h 30 | 5 ^h 3 | 10 ^h 21 | 25 ^h 8 | 9 ^h 58 | 13 ^h 16 | 6 ^h 19 | 6 ^h 51 | 10 ^h 39 | 20 ^h 49 | |
| S 21 | 5 55 47 | 28 ^h 42'24 | 27 ^h 26 | 13 ^h 24 | 26 ^h 38 | 10 ^h 13 | 5 ^h 16 | 10 ^h 16 | 25 ^h 9 | 9 ^h 57 | 13 ^h 15 | 6 ^h 20 | 6 ^h 48 | 10 ^h 46 | 20 ^h 46 | |
| S 22 | 5 59 43 | 29 ^h 43'34 | 10 ^h ≈49 | 14 ^h 53 | 26 ^h 2 | 10 ^h 56 | 5 ^h 29 | 10 ^h 12 | 25 ^h 10 | 9 ^h 56 | 13 ^h 15 | 6 ^h 21 | 6 ^h 45 | 10 ^h 52 | 20 ^h 44 | |
| M 23 | 6 3 40 | 0 ^h ≈44'45 | 24 ^h 28 | 16 ^h 23 | 25 ^h 26 | 11 ^h 39 | 5 ^h 42 | 10 ^h 7 | 25 ^h 11 | 9 ^h 55 | 13 ^h 15 | 6 ^h 21 | 6 ^h 42 | 10 ^h 59 | 20 ^h 41 | |
| T 24 | 6 7 36 | 1 ^h 45'55 | 8 ^h ≈25 | 17 ^h 53 | 24 ^h 51 | 12 ^h 22 | 5 ^h 55 | 10 ^h 2 | 25 ^h 12 | 9 ^h 53 | 13 ^h 15 | 6 ^h R21 | 6 ^h 38 | 11 ^h 6 | 20 ^h 39 | |
| W 25 | 6 11 33 | 2 ^h 47'05 | 22 ^h 37 | 19 ^h 23 | 24 ^h 18 | 13 ^h 5 | 6 ^h 8 | 9 ^h 57 | 25 ^h 13 | 9 ^h 52 | 13 ^h 15 | 6 ^h 21 | 6 ^h 35 | 11 ^h 13 | 20 ^h 37 | |
| T 26 | 6 15 29 | 3 ^h 48'15 | 7 ^h ≈4 | 20 ^h 54 | 23 ^h 45 | 13 ^h 49 | 6 ^h 20 | 9 ^h 52 | 25 ^h 14 | 9 ^h 51 | 13 ^h 15 | 6 ^h 20 | 6 ^h 32 | 11 ^h 19 | 20 ^h 35 | |
| F 27 | 6 19 26 | 4 ^h 49'25 | 21 ^h 41 | 22 ^h 25 | 23 ^h 14 | 14 ^h 32 | 6 ^h 33 | 9 ^h 47 | 25 ^h 15 | 9 ^h 50 | 13 ^h 15 | 6 ^h 20 | 6 ^h 29 | 11 ^h 26 | 20 ^h 32 | |
| S 28 | 6 23 22 | 5 ^h 50'34 | 6 ^h ≈24 | 23 ^h 56 | 22 ^h 45 | 15 ^h 15 | 6 ^h 46 | 9 ^h 42 | 25 ^h 16 | 9 ^h 48 | 13 ^h D15 | 6 ^h D20 | 6 ^h 26 | 11 ^h 33 | 20 ^h 30 | |
| S 29 | 6 27 19 | 6 ^h 51'44 | 21 ^h 5 | 25 ^h 28 | 22 ^h 17 | 15 ^h 58 | 6 ^h 58 | 9 ^h 37 | 25 ^h 18 | 9 ^h 47 | 13 ^h 15 | 6 ^h 20 | 6 ^h 23 | 11 ^h 39 | 20 ^h 28 | |
| M 30 | 6 31 16 | 7 ^h 52'53 | 5 ^h ≈39 | 27 ^h 0 | 21 ^h 52 | 16 ^h 41 | 7 ^h 11 | 9 ^h 32 | 25 ^h 19 | 9 ^h 46 | 13 ^h 15 | 6 ^h R20 | 6 ^h 19 | 11 ^h 46 | 20 ^h 26 | |
| T 31 | 6 35 12 | 8 ^h ≈54'03 | 19 ^h ≈58 | 28 ^h ≈33 | 21 ^h ≈29 | 17 ^h ≈24 | 7 ^h ≈23 | 9 ^h ≈27 | 25 ^h ≈20 | 9 ^h ≈44 | 13 ^h ≈15 | 6 ^h ≈20 | 6 ^h ≈16 | 11 ^h ≈53 | 20 ^h ≈24 | |

| Day | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | | | | | | | |
|------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|------|-------|------|-------|-------|-------|-------|-------|-------|------|
| | decl | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | decl | lat | | | | | | | |
| S 1 | 21s45 | 20n19 | 2s 6 | 14s47 | 2n31 | 25s33 | 2s 9 | 14s 6 | 1s17 | 19s43 | 0n40 | 22n25 | 0s34 | 2s40 | 0s45 | 17n45 | 0n 2 | 10s42 | 17s22 | 23n20 | 23n15 | 10s11 | 14n59 | 3s22 |
| M 2 | 21 54 | 22 41 | 0 48 | 15 4 | 2 27 | 25 22 | 1 58 | 13 50 | 1 15 | 19 46 | 0 40 | 22 25 | 0 34 | 2 40 | 0 45 | 17 45 | 0 3 | 10 42 | 17 22 | 23 20 | 23 16 | 10 13 | 14 58 | 3 22 |
| T 3 | 22 3 | 23 27 | 0n32 | 15 24 | 2 23 | 25 10 | 1 46 | 13 34 | 1 14 | 19 49 | 0 40 | 22 25 | 0 34 | 2 40 | 0 45 | 17 46 | 0 3 | 10 42 | 17 22 | 23 20 | 23 16 | 10 16 | 14 58 | 3 22 |
| W 4 | 22 12 | 22 42 | 1 47 | 15 45 | 2 17 | 24 59 | 1 34 | 13 18 | 1 12 | 19 52 | 0 40 | 22 26 | 0 34 | 2 40 | 0 45 | 17 46 | 0 3 | 10 42 | 17 21 | 23 20 | 23 16 | 10 18 | 14 57 | 3 22 |
| T 5 | 22 20 | 20 36 | 2 53 | 16 7 | 2 12 | 24 46 | 1 21 | 13 2 | 1 11 | 19 54 | 0 40 | 22 26 | 0 34 | 2 40 | 0 45 | 17 46 | 0 3 | 10 42 | 17 21 | 23 20 | 23 16 | 10 21 | 14 56 | 3 22 |
| F 6 | 22 28 | 17 29 | 3 49 | 16 31 | 2 5 | 24 34 | 1 8 | 12 46 | 1 9 | 19 57 | 0 40 | 22 27 | 0 34 | 2 40 | 0 45 | 17 46 | 0 3 | 10 42 | 17 21 | 23 20 | 23 16 | 10 24 | 14 55 | 3 22 |
| S 7 | 22 35 | 13 37 | 4 31 | 16 55 | 1 59 | 24 21 | 0 55 | 12 29 | 1 8 | 20 0 | 0 40 | 22 27 | 0 34 | 2 40 | 0 45 | 17 46 | 0 3 | 10 42 | 17 20 | 23 20 | 23 17 | 10 26 | 14 54 | 3 22 |
| S 8 | 22 42 | 9 17 | 4 59 | 17 19 | 1 52 | 24 8 | 0 41 | 12 13 | 1 7 | 20 2 | 0 40 | 22 27 | 0 34 | 2 40 | 0 45 | 17 47 | 0 3 | 10 42 | 17 20 | 23 20 | 23 17 | 10 29 | 14 54 | 3 22 |
| M 9 | 22 48 | 4 40 | 5 13 | 17 44 | 1 45 | 23 54 | 0 27 | 11 56 | 1 5 | 20 5 | 0 40 | 22 28 | 0 33 | 2 39 | 0 45 | 17 47 | 0 3 | 10 41 | 17 20 | 23 20 | 23 17 | 10 31 | 14 53 | 3 22 |
| T 10 | 22 54 | 0s 3 | 5 14 | 18 8 | 1 38 | 23 40 | 0 12 | 11 39 | 1 4 | 20 8 | 0 40 | 22 28 | 0 33 | 2 39 | 0 45 | 17 47 | 0 3 | 10 41 | 17 19 | 23 20 | 23 17 | 10 34 | 14 52 | 3 22 |
| W 11 | 23 0 | 4 44 | 5 0 | 18 33 | 1 30 | 23 25 | 0n 3 | 11 23 | 1 2 | 20 10 | 0 40 | 22 29 | 0 33 | 2 39 | 0 45 | 17 47 | 0 3 | 10 41 | 17 19 | 23 20 | 23 17 | 10 36 | 14 51 | 3 22 |
| T 12 | 23 5 | 9 14 | 4 34 | 18 58 | 1 23 | 23 11 | 0 18 | 11 6 | 1 1 | 20 13 | 0 40 | 22 29 | 0 33 | 2 39 | 0 45 | 17 48 | 0 3 | 10 41 | 17 19 | 23 20 | 23 17 | 10 39 | 14 51 | 3 22 |
| F 13 | 23 9 | 13 24 | 3 57 | 19 22 | 1 15 | 22 56 | 0 34 | 10 49 | 1 0 | 20 15 | 0 40 | 22 30 | 0 33 | 2 39 | 0 45 | 17 48 | 0 3 | 10 41 | 17 18 | 23 20 | 23 18 | 10 41 | 14 50 | 3 22 |
| S 14 | 23 13 | 17 5 | 3 8 | 19 46 | 1 7 | 22 40 | 0 49 | 10 32 | 0 58 | 20 18 | 0 40 | 22 30 | 0 33 | 2 39 | 0 45 | 17 48 | 0 3 | 10 41 | 17 18 | 23 20 | 23 18 | 10 44 | 14 49 | 3 22 |
| S 15 | 23 17 | 20 5 | 2 11 | 20 9 | 1 0 | 22 25 | 1 5 | 10 15 | 0 57 | 20 20 | 0 40 | 22 30 | 0 33 | 2 38 | 0 45 | 17 48 | 0 3 | 10 40 | 17 18 | 23 20 | 23 18 | 10 46 | 14 48 | 3 22 |
| M 16 | 23 20 | 22 13 | 1 8 | 20 32 | 0 52 | 22 9 | 1 20 | 9 57 | 0 56 | 20 23 | 0 40 | 22 31 | 0 33 | 2 38 | 0 45 | 17 49 | 0 3 | 10 40 | 17 17 | 23 21 | 23 18 | 10 49 | 14 48 | 3 22 |
| T 17 | 23 23 | 23 20 | 0 0 | 20 54 | 0 44 | 21 53 | 1 36 | 9 40 | 0 54 | 20 25 | 0 39 | 22 31 | 0 33 | 2 38 | 0 45 | 17 49 | 0 3 | 10 40 | 17 17 | 23 | | | | |