

SWISS EPHEMERIS for the year 1772

JANUARY 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|-------|-------|-------|------|--------|--------|--------|-------|-------|------|-------|-------|---|---|---|---|---|---|---|---|
| W 1 | 6 40 45 | 10♁13'20 | 22♌ 2 | 27♁56 | 27♁10 | 0♁12 | 2♁52 | 29°R22 | 16°R 1 | 16°R 8 | 18♁52 | 6°R 9 | 4♌49 | 16♁14 | 27♁23 | | | | | | | | |
| T 2 | 6 44 42 | 11°14'32 | 5♁23 | 29°20 | 28°25 | 0°57 | 3° 6 | 29♁20 | 16♁ 0 | 16♁ 7 | 18°54 | 6♌ 6 | 4°45 | 16°21 | 27°24 | | | | | | | | |
| F 3 | 6 48 38 | 12°15'43 | 18°35 | 0♁41 | 29°40 | 1°42 | 3°19 | 29°17 | 15°59 | 16° 7 | 18°56 | 5°59 | 4°42 | 16°27 | 27°26 | | | | | | | | |
| S 4 | 6 52 35 | 13°16'54 | 1♁36 | 1°58 | 0♁55 | 2°28 | 3°33 | 29°15 | 15°58 | 16° 6 | 18°58 | 5°50 | 4°39 | 16°34 | 27°27 | | | | | | | | |
| S 5 | 6 56 31 | 14°18'06 | 14°25 | 3°12 | 2°10 | 3°13 | 3°47 | 29°12 | 15°57 | 16° 6 | 19° 0 | 5°38 | 4°36 | 16°41 | 27°29 | | | | | | | | |
| M 6 | 7 0 28 | 15°19'17 | 27° 1 | 4°21 | 3°25 | 3°58 | 4° 1 | 29° 9 | 15°56 | 16° 5 | 19° 2 | 5°25 | 4°33 | 16°47 | 27°30 | | | | | | | | |
| T 7 | 7 4 25 | 16°20'28 | 9♁25 | 5°25 | 4°40 | 4°44 | 4°15 | 29° 6 | 15°55 | 16° 4 | 19° 4 | 5°11 | 4°30 | 16°54 | 27°32 | | | | | | | | |
| W 8 | 7 8 21 | 17°21'38 | 21°36 | 6°23 | 5°55 | 5°29 | 4°29 | 29° 3 | 15°54 | 16° 4 | 19° 6 | 4°59 | 4°26 | 17° 1 | 27°33 | | | | | | | | |
| T 9 | 7 12 18 | 18°22'48 | 3♁37 | 7°14 | 7°10 | 6°14 | 4°43 | 29° 0 | 15°53 | 16° 3 | 19° 8 | 4°49 | 4°23 | 17° 8 | 27°35 | | | | | | | | |
| F 10 | 7 16 14 | 19°23'57 | 15°30 | 7°57 | 8°26 | 7° 0 | 4°57 | 28°57 | 15°53 | 16° 2 | 19°10 | 4°41 | 4°20 | 17°14 | 27°37 | | | | | | | | |
| S 11 | 7 20 11 | 20°25'06 | 27°19 | 8°32 | 9°41 | 7°45 | 5°11 | 28°54 | 15°52 | 16° 2 | 19°12 | 4°36 | 4°17 | 17°21 | 27°39 | | | | | | | | |
| S 12 | 7 24 7 | 21°26'14 | 9°Y 8 | 8°57 | 10°56 | 8°31 | 5°25 | 28°51 | 15°51 | 16° 1 | 19°14 | 4°34 | 4°14 | 17°28 | 27°40 | | | | | | | | |
| M13 | 7 28 4 | 22°27'21 | 21° 2 | 9°12 | 12°11 | 9°17 | 5°39 | 28°48 | 15°51 | 16° 0 | 19°16 | 4°D33 | 4°10 | 17°34 | 27°42 | | | | | | | | |
| T 14 | 7 32 0 | 23°28'27 | 3♁ 7 | 9°R15 | 13°26 | 10° 2 | 5°53 | 28°44 | 15°50 | 15°59 | 19°18 | 4°R33 | 4° 7 | 17°41 | 27°44 | | | | | | | | |
| W15 | 7 35 57 | 24°29'33 | 15°28 | 9° 7 | 14°41 | 10°48 | 6° 7 | 28°41 | 15°50 | 15°58 | 19°20 | 4°33 | 4° 4 | 17°48 | 27°46 | | | | | | | | |
| T 16 | 7 39 54 | 25°30'38 | 28°11 | 8°48 | 15°55 | 11°34 | 6°21 | 28°37 | 15°49 | 15°57 | 19°22 | 4°31 | 4° 1 | 17°54 | 27°48 | | | | | | | | |
| F 17 | 7 43 50 | 26°31'42 | 11♁19 | 8°17 | 17°10 | 12°19 | 6°35 | 28°33 | 15°49 | 15°56 | 19°24 | 4°26 | 3°58 | 18° 1 | 27°50 | | | | | | | | |
| S 18 | 7 47 47 | 27°32'46 | 24°54 | 7°35 | 18°25 | 13° 5 | 6°50 | 28°30 | 15°49 | 15°55 | 19°26 | 4°19 | 3°55 | 18° 8 | 27°53 | | | | | | | | |
| S 19 | 7 51 43 | 28°33'48 | 8♁58 | 6°42 | 19°40 | 13°51 | 7° 4 | 28°26 | 15°48 | 15°54 | 19°28 | 4° 9 | 3°51 | 18°14 | 27°55 | | | | | | | | |
| M20 | 7 55 40 | 29°34'50 | 23°25 | 5°41 | 20°55 | 14°37 | 7°18 | 28°22 | 15°48 | 15°53 | 19°30 | 3°58 | 3°48 | 18°21 | 27°57 | | | | | | | | |
| T 21 | 7 59 36 | 0♁35'50 | 8♁10 | 4°33 | 22°10 | 15°23 | 7°32 | 28°18 | 15°48 | 15°52 | 19°32 | 3°46 | 3°45 | 18°28 | 27°59 | | | | | | | | |
| W22 | 8 3 33 | 1°36'50 | 23° 4 | 3°20 | 23°25 | 16° 9 | 7°47 | 28°14 | 15°48 | 15°51 | 19°34 | 3°34 | 3°42 | 18°34 | 28° 2 | | | | | | | | |
| T 23 | 8 7 29 | 2°37'50 | 7♁59 | 2° 5 | 24°39 | 16°54 | 8° 1 | 28°10 | 15°48 | 15°50 | 19°36 | 3°25 | 3°39 | 18°41 | 28° 4 | | | | | | | | |
| F 24 | 8 11 26 | 3°38'48 | 22°46 | 0°49 | 25°54 | 17°40 | 8°15 | 28° 6 | 15°D48 | 15°49 | 19°38 | 3°18 | 3°36 | 18°48 | 28° 6 | | | | | | | | |
| S 25 | 8 15 23 | 4°39'46 | 7♁17 | 29♁34 | 27° 9 | 18°26 | 8°29 | 28° 1 | 15°48 | 15°48 | 19°40 | 3°14 | 3°32 | 18°55 | 28° 9 | | | | | | | | |
| S 26 | 8 19 19 | 5°40'44 | 21°31 | 28°24 | 28°24 | 19°13 | 8°44 | 27°57 | 15°48 | 15°47 | 19°42 | 3°12 | 3°29 | 19° 1 | 28°11 | | | | | | | | |
| M27 | 8 23 16 | 6°41'40 | 5♁25 | 27°19 | 29°38 | 19°59 | 8°58 | 27°53 | 15°48 | 15°46 | 19°44 | 3°12 | 3°26 | 19° 8 | 28°14 | | | | | | | | |
| T 28 | 8 27 12 | 7°42'36 | 19° 1 | 26°21 | 0♁53 | 20°45 | 9°12 | 27°48 | 15°48 | 15°44 | 19°46 | 3°12 | 3°23 | 19°15 | 28°16 | | | | | | | | |
| W29 | 8 31 9 | 8°43'32 | 2♁20 | 25°30 | 2° 8 | 21°31 | 9°27 | 27°44 | 15°48 | 15°43 | 19°47 | 3°10 | 3°20 | 19°21 | 28°19 | | | | | | | | |
| T 30 | 8 35 5 | 9°44'26 | 15°25 | 24°48 | 3°22 | 22°17 | 9°41 | 27°40 | 15°49 | 15°42 | 19°49 | 3° 6 | 3°16 | 19°28 | 28°22 | | | | | | | | |
| F 31 | 8 39 2 | 10♁45'20 | 28♁16 | 24♁14 | 4♁37 | 23♁ 3 | 9♁55 | 27♁35 | 15♁49 | 15♁41 | 19♁51 | 2♌59 | 3♌13 | 19♁35 | 28♁24 | | | | | | | | |

Delta T = 15.39 sec.

Greg. Calendar

FEBRUARY 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|--------|--------|-------|-------|--------|-------|--------|-------|-------|------|-------|-------|---|---|---|---|---|---|---|---|
| S 1 | 8 42 58 | 11♁46'13 | 10♁57 | 23°R49 | 5♁51 | 23♁50 | 10♁ 9 | 27°R30 | 15♁49 | 15°R39 | 19♁53 | 2°R49 | 3♌10 | 19♁41 | 28♁27 | | | | | | | | |
| S 2 | 8 46 55 | 12°47'05 | 23°27 | 23♁32 | 7° 6 | 24°36 | 10°24 | 27♁26 | 15°50 | 15°R38 | 19°55 | 2♌37 | 3° 7 | 19°48 | 28°30 | | | | | | | | |
| M 3 | 8 50 52 | 13°47'55 | 5♁47 | 23°23 | 8°20 | 25°22 | 10°38 | 27°21 | 15°50 | 15°37 | 19°57 | 2°22 | 3° 4 | 19°55 | 28°32 | | | | | | | | |
| T 4 | 8 54 48 | 14°48'45 | 17°59 | 23°D22 | 9°35 | 26° 8 | 10°52 | 27°17 | 15°51 | 15°35 | 19°59 | 2° 8 | 3° 1 | 20° 1 | 28°35 | | | | | | | | |
| W 5 | 8 58 45 | 15°49'33 | 0♁ 2 | 23°29 | 10°49 | 26°55 | 11° 7 | 27°12 | 15°51 | 15°34 | 20° 1 | 1°54 | 2°57 | 20° 8 | 28°38 | | | | | | | | |
| T 6 | 9 2 41 | 16°50'20 | 11°58 | 23°42 | 12° 4 | 27°41 | 11°21 | 27° 7 | 15°52 | 15°32 | 20° 3 | 1°43 | 2°54 | 20°15 | 28°41 | | | | | | | | |
| F 7 | 9 6 38 | 17°51'05 | 23°48 | 24° 1 | 13°18 | 28°28 | 11°35 | 27° 2 | 15°53 | 15°31 | 20° 4 | 1°34 | 2°51 | 20°21 | 28°44 | | | | | | | | |
| S 8 | 9 10 34 | 18°51'49 | 5°Y36 | 24°26 | 14°32 | 29°14 | 11°49 | 26°58 | 15°54 | 15°30 | 20° 6 | 1°28 | 2°48 | 20°28 | 28°47 | | | | | | | | |
| S 9 | 9 14 31 | 19°52'31 | 17°24 | 24°57 | 15°47 | 0♁ 1 | 12° 4 | 26°53 | 15°54 | 15°28 | 20° 8 | 1°25 | 2°45 | 20°35 | 28°50 | | | | | | | | |
| M10 | 9 18 27 | 20°53'12 | 29°16 | 25°32 | 17° 1 | 0°47 | 12°18 | 26°48 | 15°55 | 15°27 | 20°10 | 1°D24 | 2°41 | 20°41 | 28°53 | | | | | | | | |
| T 11 | 9 22 24 | 21°53'51 | 11♁19 | 26°12 | 18°15 | 1°33 | 12°32 | 26°43 | 15°56 | 15°25 | 20°12 | 1°24 | 2°38 | 20°48 | 28°56 | | | | | | | | |
| W12 | 9 26 21 | 22°54'28 | 23°36 | 26°57 | 19°29 | 2°20 | 12°46 | 26°38 | 15°57 | 15°24 | 20°13 | 1°R25 | 2°35 | 20°55 | 28°59 | | | | | | | | |
| T 13 | 9 30 17 | 23°55'04 | 6♁14 | 27°45 | 20°43 | 3° 7 | 13° 1 | 26°33 | 15°58 | 15°22 | 20°15 | 1°24 | 2°32 | 21° 1 | 29° 2 | | | | | | | | |
| F 14 | 9 34 14 | 24°55'37 | 19°17 | 28°36 | 21°57 | 3°53 | 13°15 | 26°29 | 15°59 | 15°21 | 20°17 | 1°21 | 2°29 | 21° 8 | 29° 5 | | | | | | | | |
| S 15 | 9 38 10 | 25°56'10 | 2♁49 | 29°31 | 23°11 | 4°40 | 13°29 | 26°24 | 16° 0 | 15°19 | 20°19 | 1°16 | 2°26 | 21°15 | 29° 8 | | | | | | | | |
| S 16 | 9 42 7 | 26°56'40 | 16°50 | 0♁29 | 24°25 | 5°26 | 13°43 | 26°19 | 16° 2 | 15°18 | 20°20 | 1° 9 | 2°22 | 21°21 | 29°12 | | | | | | | | |
| M17 | 9 46 3 | 27°57'08 | 1♁21 | 1°29 | 25°39 | 6°13 | 13°57 | 26°14 | 16° 3 | 15°16 | 20°22 | 1° 0 | 2°19 | 21°28 | 29°15 | | | | | | | | |
| T 18 | 9 50 0 | 28°57'35 | 16°15 | 2°32 | 26°53 | 7° 0 | 14°11 | 26° 9 | 16° 4 | 15°14 | 20°24 | 0°50 | 2°16 | 21°35 | 29°18 | | | | | | | | |
| W19 | 9 53 56 | 29°58'00 | 1♁24 | 3°37 | 28° 7 | 7°46 | 14°25 | 26° 4 | 16° 5 | 15°13 | 20°25 | 0°40 | 2°13 | 21°42 | 29°21 | | | | | | | | |
| T 20 | 9 57 53 | 0♁58'23 | 16°38 | 4°45 | 29°21 | 8°33 | 14°39 | 25°59 | 16° 7 | 15°11 | 20°27 | 0°32 | 2°10 | 21°48 | 29°25 | | | | | | | | |
| F 21 | 10 1 50 | 1°58'45 | 1♁46 | 5°55 | 0°Y35 | 9°20 | 14°53 | 25°55 | 16° 8 | 15°10 | 20°28 | 0°27 | 2° 7 | 21°55 | 29°28 | | | | | | | | |
| S 22 | 10 5 46 | 2°59'05 | 16°39 | 7° 6 | 1°48 | 10° 6 | 15° 7 | 25°50 | 16°10 | 15° 8 | 20°30 | 0°24 | 2° 3 | 22° 2 | 29°31 | | | | | | | | |
| S 23 | 10 9 43 | 3°59'24 | 1♌11 | 8°20 | 3° 2 | 10°53 | 15°21 | 25°45 | 16°11 | 15° 6 | 20°32 | 0°D23 | 2° 0 | 22° 8 | 29°35 | | | | | | | | |
| M24 | 10 13 39 | 4°59'41 | 15°19 | 9°35 | 4°16 | 11°40 | 15°35 | 25°40 | 16°13 | 15° 5 | 20°33 | 0°24 | 1°57 | 22°15 | 29°38 | | | | | | | | |
| T 25 | 10 17 36 | 5°59'57 | 29° 2 | 10°52 | 5°29 | 12°27 | 15°49 | 25°35 | 16°14 | 15° 3 | 20°35 | 0°25 | 1°54 | 22°22 | 29°41 | | | | | | | | |
| W26 | 10 21 32 | 7° 0'11 | 12♁21 | 12°10 | 6°43 | 13°13 | 16° 3 | 25°31 | 16°16 | 15° 1 | 20°36 | 0°R25 | 1°51 | 22°28 | 29°45 | | | | | | | | |
| T 27 | 10 25 29 | 8° 0'24 | 25°21 | 13°30 | 7°56 | 14° 0 | 16°17 | 25°26 | 16°18 | 15° 0 | 20°38 | 0°23 | 1°47 | 22°35 | 29°48 | | | | | | | | |
| F 28 | 10 29 25 | 9° 0'36 | 8♁ 3 | 14°52 | 9° 9 | 14°47 | 16°31 | 25°21 | 16°19 | 14°58 | 20°39 | 0°19 | 1°44 | 22°42 | 29°52 | | | | | | | | |
| S 29 | 10 33 22 | 10♁ 0'46 | 20♁31 | 16♁15 | 10°Y23 | 15♁34 | 16♁44 | 25♁17 | 16♁21 | 14♁56 | 20♁41 | 0♌13 | 1♌41 | 22♁48 | 29♁55 | | | | | | | | |

Delta T = 15.39 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1772

MARCH 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|---|---|---|---|---|---|
| S 1 | 10 37 18 | 11° 05' 4 | 2° 47' | 17° 39' | 11° 36' | 16° 21' | 16° 58' | 25° R12 | 16° 23' | 14° R55 | 20° 42' | 0° R 5 | 11° 38' | 22° 55' | 29° 59' | | | | | | | |
| M 2 | 10 41 15 | 12° 1' 00 | 14° 55' | 19° 5 | 12° 49' | 17° 7 | 17° 12 | 25° Ω 8 | 16° 25' | 14° 53' | 20° 44' | 29° 56' | 1° 35' | 23° 2 | 0° 2 | | | | | | | |
| T 3 | 10 45 12 | 13° 1' 05 | 26° 55' | 20° 31' | 14° 2 | 17° 54' | 17° 25' | 25° 3 | 16° 27' | 14° 51' | 20° 45' | 29° 46' | 1° 32' | 23° 8 | 0° 6 | | | | | | | |
| W 4 | 10 49 8 | 14° 1' 08 | 8° 50' | 21° 59' | 15° 16' | 18° 41' | 17° 39' | 24° 59' | 16° 29' | 14° 50' | 20° 46' | 29° 37' | 1° 28' | 23° 15 | 0° 9 | | | | | | | |
| T 5 | 10 53 5 | 15° 1' 09 | 20° 41' | 23° 29' | 16° 29' | 19° 28' | 17° 53' | 24° 54' | 16° 31' | 14° 48' | 20° 48' | 29° 30' | 1° 25' | 23° 22 | 0° 13 | | | | | | | |
| F 6 | 10 57 1 | 16° 1' 08 | 2° 29' | 24° 59' | 17° 42' | 20° 15' | 18° 6 | 24° 50' | 16° 33' | 14° 46' | 20° 49' | 29° 24' | 1° 22' | 23° 28 | 0° 16 | | | | | | | |
| S 7 | 11 0 58 | 17° 1' 05 | 14° 17' | 26° 31' | 18° 55' | 21° 2 | 18° 19' | 24° 45' | 16° 35' | 14° 45' | 20° 50' | 29° 21' | 1° 19' | 23° 35 | 0° 20 | | | | | | | |
| S 8 | 11 4 54 | 18° 0' 59 | 26° 8 | 28° 4 | 20° 7 | 21° 49' | 18° 33' | 24° 41' | 16° 37' | 14° 43' | 20° 51' | 29° D19 | 1° 16' | 23° 42 | 0° 23 | | | | | | | |
| M 9 | 11 8 51 | 19° 0' 52 | 8° 4 | 29° 38' | 21° 20' | 22° 36' | 18° 46' | 24° 37' | 16° 39' | 14° 41' | 20° 53' | 29° 20' | 1° 13' | 23° 48 | 0° 27 | | | | | | | |
| T 10 | 11 12 47 | 20° 0' 43 | 20° 8 | 1° 14' | 22° 33' | 23° 22' | 19° 0 | 24° 33' | 16° 42' | 14° 40' | 20° 54' | 29° 21' | 1° 9 | 23° 55 | 0° 30 | | | | | | | |
| W 11 | 11 16 44 | 21° 0' 32 | 2° 26' | 2° 50' | 23° 46' | 24° 9 | 19° 13' | 24° 29' | 16° 44' | 14° 38' | 20° 55' | 29° 23' | 1° 6 | 24° 2 | 0° 34 | | | | | | | |
| T 12 | 11 20 41 | 22° 0' 18 | 15° 2 | 4° 28' | 24° 58' | 24° 56' | 19° 26' | 24° 25' | 16° 46' | 14° 36' | 20° 56' | 29° 24' | 1° 3 | 24° 8 | 0° 38 | | | | | | | |
| F 13 | 11 24 37 | 23° 0' 02 | 28° 0 | 6° 7 | 26° 11' | 25° 43' | 19° 39' | 24° 21' | 16° 48' | 14° 35' | 20° 57' | 29° R24 | 1° 0 | 24° 15 | 0° 41 | | | | | | | |
| S 14 | 11 28 34 | 23° 59' 44 | 11° 24' | 7° 47' | 27° 23' | 26° 30' | 19° 52' | 24° 17' | 16° 51' | 14° 33' | 20° 59' | 29° 23' | 0° 57 | 24° 22 | 0° 45 | | | | | | | |
| S 15 | 11 32 30 | 24° 59' 23 | 25° 16' | 9° 29' | 28° 36' | 27° 17' | 20° 5 | 24° 13' | 16° 53' | 14° 32' | 21° 0 | 29° 20' | 0° 53 | 24° 28 | 0° 49 | | | | | | | |
| M 16 | 11 36 27 | 25° 59' 00 | 9° 36' | 11° 11' | 29° 48' | 28° 4 | 20° 18' | 24° 9 | 16° 56' | 14° 30' | 21° 1 | 29° 16' | 0° 50 | 24° 35 | 0° 52 | | | | | | | |
| T 17 | 11 40 23 | 26° 58' 35 | 24° 22' | 12° 55' | 1° 0 | 28° 51' | 20° 31' | 24° 6 | 16° 58' | 14° 28' | 21° 2 | 29° 11' | 0° 47 | 24° 42 | 0° 56 | | | | | | | |
| W 18 | 11 44 20 | 27° 58' 08 | 9° 27' | 14° 40' | 2° 12' | 29° 38' | 20° 44' | 24° 2 | 17° 1 | 14° 27' | 21° 3 | 29° 6 | 0° 44 | 24° 48 | 0° 59 | | | | | | | |
| T 19 | 11 48 16 | 28° 57' 38 | 24° 42' | 16° 27' | 3° 24' | 0° 24' | 20° 57' | 23° 58' | 17° 3 | 14° 25' | 21° 4 | 29° 3 | 0° 41 | 24° 55 | 1° 3 | | | | | | | |
| F 20 | 11 52 13 | 29° 57' 06 | 9° 57' | 18° 15' | 4° 36' | 1° 11' | 21° 9 | 23° 55' | 17° 6 | 14° 23' | 21° 5 | 29° 0 | 0° 38 | 25° 2 | 1° 7 | | | | | | | |
| S 21 | 11 56 10 | 0° 56' 33 | 25° 2 | 20° 4 | 5° 48' | 1° 58' | 21° 22' | 23° 52' | 17° 8 | 14° 22' | 21° 6 | 28° D59 | 0° 34 | 25° 8 | 1° 10 | | | | | | | |
| S 22 | 12 0 6 | 1° 55' 57 | 9° 49' | 21° 54' | 7° 0 | 2° 45' | 21° 35' | 23° 48' | 17° 11' | 14° 20' | 21° 7 | 28° 59' | 0° 31 | 25° 15 | 1° 14 | | | | | | | |
| M 23 | 12 4 3 | 2° 55' 20 | 24° 11' | 23° 46' | 8° 12' | 3° 32' | 21° 47' | 23° 45' | 17° 14' | 14° 19' | 21° 7 | 29° 0 | 0° 28 | 25° 22 | 1° 18 | | | | | | | |
| T 24 | 12 7 59 | 3° 54' 41 | 8° 7 | 25° 39' | 9° 24' | 4° 19' | 22° 0 | 23° 42' | 17° 17' | 14° 17' | 21° 8 | 29° 2 | 0° 25 | 25° 28 | 1° 21 | | | | | | | |
| W 25 | 12 11 56 | 4° 54' 00 | 21° 36' | 27° 33' | 10° 35' | 5° 6 | 22° 12' | 23° 39' | 17° 19' | 14° 16' | 21° 9 | 29° 3 | 0° 22 | 25° 35 | 1° 25 | | | | | | | |
| T 26 | 12 15 52 | 5° 53' 17 | 4° 40' | 29° 28' | 11° 47' | 5° 53' | 22° 24' | 23° 36' | 17° 22' | 14° 14' | 21° 10 | 29° R 4 | 0° 18 | 25° 42 | 1° 29 | | | | | | | |
| F 27 | 12 19 49 | 6° 52' 33 | 17° 23' | 1° 25' | 12° 58' | 6° 40' | 22° 37' | 23° 33' | 17° 25' | 14° 13' | 21° 11 | 29° 3 | 0° 15 | 25° 48 | 1° 32 | | | | | | | |
| S 28 | 12 23 45 | 7° 51' 46 | 29° 47' | 3° 24 | 14° 9 | 7° 26' | 22° 49' | 23° 30' | 17° 28' | 14° 11' | 21° 11 | 29° 2 | 0° 12 | 25° 55 | 1° 36 | | | | | | | |
| S 29 | 12 27 42 | 8° 50' 58 | 11° 58' | 5° 23 | 15° 21' | 8° 13' | 23° 1 | 23° 27' | 17° 31' | 14° 10' | 21° 12 | 29° 0 | 0° 9 | 26° 2 | 1° 39 | | | | | | | |
| M 30 | 12 31 38 | 9° 50' 08 | 23° 58' | 7° 23 | 16° 32' | 9° 0 | 23° 13' | 23° 25' | 17° 34' | 14° 8 | 21° 13 | 28° 57' | 0° 6 | 26° 8 | 1° 43 | | | | | | | |
| T 31 | 12 35 35 | 10° 49' 17 | 5° 52' | 9° 25' | 17° 43' | 9° 47' | 23° 25' | 23° 22' | 17° 36' | 14° 7 | 21° 14 | 28° 54' | 0° 3 | 26° 15 | 1° 47 | | | | | | | |

Delta T = 15.40 sec.

Greg. Calendar

APRIL 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|---------|---------|-------|---|---|---|---|---|---|---|
| W 1 | 12 39 32 | 11° 48' 23 | 17° 41' | 11° 28' | 18° 54' | 10° 34' | 23° 36' | 23° R20 | 17° 39' | 14° R 5 | 21° 14' | 28° R51 | 29° 59' | 26° 22' | 1° 50 | | | | | | | |
| T 2 | 12 43 28 | 12° 47' 27 | 29° 30' | 13° 31' | 20° 5 | 11° 21' | 23° 48' | 23° Ω 18 | 17° 42' | 14° 4 | 21° 15' | 28° 49' | 29° 56' | 26° 28 | 1° 54 | | | | | | | |
| F 3 | 12 47 25 | 13° 46' 29 | 11° 19' | 15° 35' | 21° 15' | 12° 7 | 24° 0 | 23° 15' | 17° 45' | 14° 2 | 21° 15' | 28° 47' | 29° 53' | 26° 35 | 1° 57 | | | | | | | |
| S 4 | 12 51 21 | 14° 45' 30 | 23° 11' | 17° 40' | 22° 26' | 12° 54' | 24° 11' | 23° 13' | 17° 48' | 14° 1 | 21° 16' | 28° D46 | 29° 50' | 26° 42 | 2° 1 | | | | | | | |
| S 5 | 12 55 18 | 15° 44' 28 | 5° 8 | 19° 46' | 23° 37' | 13° 41' | 24° 23' | 23° 11' | 17° 51' | 14° 0 | 21° 16' | 28° 46' | 29° 47' | 26° 48 | 2° 5 | | | | | | | |
| M 6 | 12 59 14 | 16° 43' 24 | 17° 13' | 21° 51' | 24° 47' | 14° 28' | 24° 34' | 23° 9 | 17° 55' | 13° 58' | 21° 17' | 28° 47' | 29° 44' | 26° 55 | 2° 8 | | | | | | | |
| T 7 | 13 3 11 | 17° 42' 18 | 29° 27' | 23° 56' | 25° 57' | 15° 14' | 24° 46' | 23° 7 | 17° 58' | 13° 57' | 21° 17' | 28° 48' | 29° 40' | 27° 2 | 2° 12 | | | | | | | |
| W 8 | 13 7 7 | 18° 41' 10 | 11° 54' | 26° 1 | 27° 8 | 16° 1 | 24° 57' | 23° 6 | 18° 1 | 13° 56' | 21° 18' | 28° 49' | 29° 37' | 27° 8 | 2° 15 | | | | | | | |
| T 9 | 13 11 4 | 19° 40' 00 | 24° 36' | 28° 6 | 28° 18' | 16° 48' | 25° 8 | 23° 4 | 18° 4 | 13° 54' | 21° 18' | 28° 50' | 29° 34' | 27° 15 | 2° 19 | | | | | | | |
| F 10 | 13 15 1 | 20° 38' 47 | 7° 36' | 0° 8 | 29° 28' | 17° 34' | 25° 19' | 23° 3 | 18° 7 | 13° 53' | 21° 19' | 28° 50' | 29° 31' | 27° 22 | 2° 22 | | | | | | | |
| S 11 | 13 18 57 | 21° 37' 32 | 20° 57' | 2° 11 | 0° 38' | 18° 21' | 25° 30' | 23° 1 | 18° 10' | 13° 52' | 21° 19' | 28° R51 | 29° 28' | 27° 28 | 2° 26 | | | | | | | |
| S 12 | 13 22 54 | 22° 36' 15 | 4° 40' | 4° 12 | 1° 48 | 19° 8 | 25° 41' | 23° 0 | 18° 14' | 13° 50' | 21° 19' | 28° 50' | 29° 24' | 27° 35 | 2° 29 | | | | | | | |
| M 13 | 13 26 50 | 23° 34' 56 | 18° 46' | 6° 10 | 2° 57 | 19° 54' | 25° 51' | 22° 59' | 18° 17' | 13° 49' | 21° 19' | 28° 50' | 29° 21' | 27° 42 | 2° 33 | | | | | | | |
| T 14 | 13 30 47 | 24° 33' 34 | 3° 15' | 8° 6 | 4° 7 | 20° 41' | 26° 2 | 22° 58' | 18° 20' | 13° 48' | 21° 20' | 28° 50' | 29° 18' | 27° 48 | 2° 36 | | | | | | | |
| W 15 | 13 34 43 | 25° 32' 10 | 18° 1 | 10° 0 | 5° 16 | 21° 27' | 26° 13' | 22° 57' | 18° 23' | 13° 47' | 21° 20' | 28° 49' | 29° 15' | 27° 55 | 2° 40 | | | | | | | |
| T 16 | 13 38 40 | 26° 30' 43 | 3° 1 | 11° 50' | 6° 25 | 22° 14' | 26° 23' | 22° 56' | 18° 27' | 13° 46' | 21° 20' | 28° 49' | 29° 12' | 28° 2 | 2° 43 | | | | | | | |
| F 17 | 13 42 36 | 27° 29' 15 | 18° 5 | 13° 38' | 7° 35 | 23° 0 | 26° 33' | 22° 55' | 18° 30' | 13° 45' | 21° 20' | 28° 49' | 29° 9 | 28° 8 | 2° 46 | | | | | | | |
| S 18 | 13 46 33 | 28° 27' 45 | 3° 5 | 15° 22' | 8° 44 | 23° 47' | 26° 43' | 22° 54' | 18° 33' | 13° 44' | 21° 20' | 28° 49' | 29° 5 | 28° 15 | 2° 50 | | | | | | | |
| S 19 | 13 50 30 | 29° 26' 13 | 17° 53' | 17° 2 | 9° 53 | 24° 33' | 26° 54' | 22° 54' | 18° 36' | 13° 43' | 21° 21' | 28° 49' | 29° 2 | 28° 22 | 2° 53 | | | | | | | |
| M 20 | 13 54 26 | 0° 24' 39 | 2° 21' | 18° 38' | 11° 1 | 25° 20' | 27° 4 | 22° 53' | 18° 40' | 13° 41' | 21° 21' | 28° 49' | 28° 59' | 28° 28 | 2° 56 | | | | | | | |
| T 21 | 13 58 23 | 1° 23' 04 | 16° 25' | 20° 10' | 12° 10' | 26° 6 | 27° 13' | 22° 53' | 18° 43' | 13° 40' | 21° 21' | 28° 48' | 28° 56' | 28° 35 | 3° 0 | | | | | | | |
| W 22 | 14 2 19 | 2° 21' 27 | 0° 3 | 21° 38' | 13° 18' | 26° 53' | 27° 23' | 22° 53' | 18° 47' | 13° 39' | 21° R21 | 28° 48' | 28° 53' | 28° 42 | 3° 3 | | | | | | | |
| T 23 | 14 6 16 | 3° 19' 48 | 13° 15' | 23° 2 | 14° 27' | 27° 39' | 27° 33' | 22° 52' | 18° 50' | 13° 39' | 21° 21' | 28° 48' | 28° 49' | 28° 48 | 3° 6 | | | | | | | |
| F 24 | 14 10 12 | 4° 18' 08 | 26° 3 | 24° 21' | 15° 35' | 28° 25' | 27° 42' | 22° D52 | 18° 53' | 13° 38' | 21° 21' | 28° 48' | 28° 46' | 28° 55 | 3° 9 | | | | | | | |
| S 25 | 14 14 9 | 5° 16' 26 | 8° 30' | 25° 36' | 16° 43' | 29° 12' | 27° 52' | 22° 52' | 18° 57' | 13° 37' | 21° 21' | 28° D47 | 28° 43' | 29° 2 | 3° 13 | | | | | | | |
| S 26 | 14 18 5 | 6° 14' 42 | 20° 41' | 26° 45' | 17° 51' | 29° 58' | 28° 1 | 22° 53' | 19° 0 | 13° 36' | 21° 20' | 28° 48' | 28° 40' | 29° 8 | 3° 16 | | | | | | | |
| M 27 | 14 22 2 | 7° 12' 57 | 2° 39' | 27° 51' | 18° 59' | 0° 44' | 28° 10' | 22° 53' | 19° 4 | 13° 35' | 21° 20' | 28° 48' | 28° 37' | 29° 15 | 3° 19 | | | | | | | |
| T 28 | 14 25 59 | 8° 11' 11 | 14° 31' | 28° 51' | 20° 6 | 1° 30 | 28° 19' | 22° 53' | 19° 7 | 13° 34' | 21° 20' | 28° 49' | 28° 34' | 29° 22 | 3° 22 | | | | | | | |
| W 29 | 14 29 55 | 9° 9' 23 | 26° 19' | 29° 46' | 21° 14' | 2° 17 | 28° 28' | 22° 54' | 19° 10' | 13° 33' | 21° 20' | 28° 50' | 28° 30' | 29° 28 | 3° 25 | | | | | | | |
| T 30 | 14 33 52 | 10° 8' 7 | 8° 7 | 0° 37' | 22° 21' | 3° 3 | 28° 37' | 22° 54' | 19° 14' | 13° 33' | 21° 20' | 28° 51' | 28° 27' | 29° 35 | 3° 28 | | | | | | | |

Delta T = 15.40 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1772

MAY 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|-----------|--------|--------|--------|--------|--------|--------|--------|---------|--------|---------|--------|--------|-------|---|---|---|---|---|---|---|---|
| F 1 | 14 37 48 | 11♉ 5'42 | 20♊ 0 | 1♊ 22 | 23♊ 28 | 3♊ 49 | 28♈ 45 | 22♉ 55 | 19♊ 17 | 13♋ 32 | 21♌ 19 | 28♌ 52 | 28♌ 24 | 29♋ 42 | 3♊ 31 | | | | | | | | |
| S 2 | 14 41 45 | 12° 3'49 | 1♉ 59 | 2° 3 | 24° 35 | 4° 35 | 28° 54 | 22° 56 | 19° 21 | 13♋ 31 | 21♌ 19 | 28♌ 52 | 28° 21 | 29° 48 | 3° 34 | | | | | | | | |
| S 3 | 14 45 41 | 13° 1'55 | 14° 6 | 2° 38 | 25° 41 | 5° 21 | 29° 2 | 22° 57 | 19° 24 | 13° 30 | 21° 19 | 28° 51 | 28° 18 | 29° 55 | 3° 37 | | | | | | | | |
| M 4 | 14 49 38 | 13° 59'58 | 26° 25 | 3° 8 | 26° 48 | 6° 7 | 29° 11 | 22° 58 | 19° 28 | 13° 30 | 21° 19 | 28° 50 | 28° 15 | 0° 7 | 3° 40 | | | | | | | | |
| T 5 | 14 53 34 | 14° 58'01 | 8♊ 55 | 3° 33 | 27° 54 | 6° 53 | 29° 19 | 22° 59 | 19° 31 | 13° 29 | 21° 18 | 28° 48 | 28° 11 | 0° 8 | 3° 43 | | | | | | | | |
| W 6 | 14 57 31 | 15° 56'01 | 21° 39 | 3° 53 | 29° 1 | 7° 39 | 29° 27 | 23° 0 | 19° 35 | 13° 29 | 21° 18 | 28° 46 | 28° 8 | 0° 15 | 3° 46 | | | | | | | | |
| T 7 | 15 1 28 | 16° 54'00 | 4♉ 36 | 4° 8 | 0♉ 7 | 8° 25 | 29° 35 | 23° 1 | 19° 38 | 13° 28 | 21° 17 | 28° 43 | 28° 5 | 0° 22 | 3° 49 | | | | | | | | |
| F 8 | 15 5 24 | 17° 51'57 | 17° 48 | 4° 17 | 1° 12 | 9° 11 | 29° 42 | 23° 3 | 19° 42 | 13° 27 | 21° 17 | 28° 41 | 28° 2 | 0° 28 | 3° 52 | | | | | | | | |
| S 9 | 15 9 21 | 18° 49'53 | 1♊ 15 | 4° R22 | 2° 18 | 9° 56 | 29° 50 | 23° 4 | 19° 45 | 13° 27 | 21° 17 | 28° 39 | 27° 59 | 0° 35 | 3° 55 | | | | | | | | |
| S 10 | 15 13 17 | 19° 47'46 | 14° 58 | 4° 21 | 3° 23 | 10° 42 | 29° 57 | 23° 6 | 19° 49 | 13° 26 | 21° 16 | 28° D38 | 27° 55 | 0° 42 | 3° 58 | | | | | | | | |
| M 11 | 15 17 14 | 20° 45'37 | 28° 56 | 4° 16 | 4° 28 | 11° 28 | 0♊ 4 | 23° 8 | 19° 52 | 13° 26 | 21° 16 | 28° 39 | 27° 52 | 0° 48 | 4° 0 | | | | | | | | |
| T 12 | 15 21 10 | 21° 43'27 | 13♋ 9 | 4° 6 | 5° 33 | 12° 14 | 0° 12 | 23° 10 | 19° 56 | 13° 26 | 21° 15 | 28° 40 | 27° 49 | 0° 55 | 4° 3 | | | | | | | | |
| W 13 | 15 25 7 | 22° 41'15 | 27° 36 | 3° 52 | 6° 38 | 12° 59 | 0° 18 | 23° 12 | 19° 59 | 13° 25 | 21° 14 | 28° 41 | 27° 46 | 1° 2 | 4° 6 | | | | | | | | |
| T 14 | 15 29 3 | 23° 39'01 | 12♉ 12 | 3° 33 | 7° 42 | 13° 45 | 0° 25 | 23° 14 | 20° 3 | 13° 25 | 21° 14 | 28° 42 | 27° 43 | 1° 8 | 4° 8 | | | | | | | | |
| F 15 | 15 33 0 | 24° 36'46 | 26° 53 | 3° 11 | 8° 47 | 14° 30 | 0° 32 | 23° 16 | 20° 6 | 13° 25 | 21° 13 | 28° R43 | 27° 40 | 1° 15 | 4° 11 | | | | | | | | |
| S 16 | 15 36 56 | 25° 34'29 | 11♌ 33 | 2° 46 | 9° 51 | 15° 16 | 0° 38 | 23° 18 | 20° 10 | 13° 24 | 21° 13 | 28° 42 | 27° 36 | 1° 22 | 4° 13 | | | | | | | | |
| S 17 | 15 40 53 | 26° 32'11 | 26° 6 | 2° 18 | 10° 54 | 16° 1 | 0° 45 | 23° 21 | 20° 13 | 13° 24 | 21° 12 | 28° 40 | 27° 33 | 1° 28 | 4° 16 | | | | | | | | |
| M 18 | 15 44 50 | 27° 29'51 | 10♉ 26 | 1° 47 | 11° 58 | 16° 47 | 0° 51 | 23° 23 | 20° 17 | 13° 24 | 21° 11 | 28° 37 | 27° 30 | 1° 35 | 4° 18 | | | | | | | | |
| T 19 | 15 48 46 | 28° 27'30 | 24° 27 | 1° 15 | 13° 1 | 17° 32 | 0° 57 | 23° 26 | 20° 20 | 13° 24 | 21° 10 | 28° 33 | 27° 27 | 1° 42 | 4° 21 | | | | | | | | |
| W 20 | 15 52 43 | 29° 25'08 | 8♉ 6 | 0° 41 | 14° 4 | 18° 17 | 1° 3 | 23° 28 | 20° 23 | 13° 24 | 21° 10 | 28° 29 | 27° 24 | 1° 48 | 4° 23 | | | | | | | | |
| T 21 | 15 56 39 | 0♊ 22'45 | 21° 20 | 0° 7 | 15° 6 | 19° 3 | 1° 9 | 23° 31 | 20° 27 | 13° 23 | 21° 9 | 28° 24 | 27° 21 | 1° 55 | 4° 26 | | | | | | | | |
| F 22 | 16 0 36 | 1° 20'21 | 4♉ 11 | 29♉ 33 | 16° 8 | 19° 48 | 1° 14 | 23° 34 | 20° 30 | 13° 23 | 21° 8 | 28° 20 | 27° 17 | 2° 2 | 4° 28 | | | | | | | | |
| S 23 | 16 4 32 | 2° 17'56 | 16° 41 | 29° 0 | 17° 10 | 20° 33 | 1° 20 | 23° 37 | 20° 34 | 13° 23 | 21° 7 | 28° 18 | 27° 14 | 2° 8 | 4° 30 | | | | | | | | |
| S 24 | 16 8 29 | 3° 15'30 | 28° 54 | 28° 27 | 18° 12 | 21° 18 | 1° 25 | 23° 40 | 20° 37 | 13° D23 | 21° 6 | 28° D16 | 27° 11 | 2° 15 | 4° 33 | | | | | | | | |
| M 25 | 16 12 26 | 4° 13'03 | 10♊ 54 | 27° 56 | 19° 13 | 22° 3 | 1° 30 | 23° 43 | 20° 41 | 13° 23 | 21° 6 | 28° 16 | 27° 8 | 2° 22 | 4° 35 | | | | | | | | |
| T 26 | 16 16 22 | 5° 10'35 | 22° 45 | 27° 28 | 20° 14 | 22° 48 | 1° 35 | 23° 46 | 20° 44 | 13° 23 | 21° 5 | 28° 18 | 27° 5 | 2° 28 | 4° 37 | | | | | | | | |
| W 27 | 16 20 19 | 6° 8'07 | 4♊ 34 | 27° 2 | 21° 15 | 23° 33 | 1° 39 | 23° 49 | 20° 47 | 13° 23 | 21° 4 | 28° 19 | 27° 1 | 2° 35 | 4° 39 | | | | | | | | |
| T 28 | 16 24 15 | 7° 5'37 | 16° 24 | 26° 39 | 22° 15 | 24° 18 | 1° 44 | 23° 53 | 20° 51 | 13° 23 | 21° 3 | 28° 21 | 26° 58 | 2° 42 | 4° 41 | | | | | | | | |
| F 29 | 16 28 12 | 8° 3'07 | 28° 20 | 26° 20 | 23° 15 | 25° 3 | 1° 48 | 23° 56 | 20° 54 | 13° 24 | 21° 2 | 28° R21 | 26° 55 | 2° 48 | 4° 43 | | | | | | | | |
| S 30 | 16 32 8 | 9° 0'36 | 10♉ 27 | 26° 4 | 24° 15 | 25° 48 | 1° 53 | 24° 0 | 20° 58 | 13° 24 | 21° 1 | 28° 21 | 26° 52 | 2° 55 | 4° 45 | | | | | | | | |
| S 31 | 16 36 5 | 9♊ 58'04 | 22♉ 46 | 25♉ 52 | 25♉ 14 | 26♊ 33 | 1♋ 57 | 24♌ 3 | 21♉ 1 | 13♋ 24 | 21♌ 0 | 28♌ 18 | 26♌ 49 | 3♊ 2 | 4♊ 47 | | | | | | | | |

Delta T = 15.40 sec. Greg. Calendar

JUNE 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|-----------|--------|---------|--------|--------|--------|--------|--------|--------|---------|---------|--------|-------|-------|---|---|---|---|---|---|---|---|
| M 1 | 16 40 1 | 10♊ 55'31 | 5♊ 20 | 25° R45 | 26♉ 13 | 27♊ 18 | 2♋ 0 | 24♌ 7 | 21♉ 4 | 13♋ 24 | 20° R59 | 28° R13 | 26♌ 46 | 3♊ 8 | 4♊ 49 | | | | | | | | |
| T 2 | 16 43 58 | 11° 52'57 | 18° 10 | 25° D41 | 27° 12 | 28° 2 | 2° 4 | 24° 11 | 21° 8 | 13° 24 | 20° 58 | 28° 7 | 26° 42 | 3° 15 | 4° 51 | | | | | | | | |
| W 3 | 16 47 55 | 12° 50'23 | 1♉ 15 | 25♉ 42 | 28° 10 | 28° 47 | 2° 8 | 24° 15 | 21° 11 | 13° 25 | 20° 57 | 28° 0 | 26° 39 | 3° 22 | 4° 53 | | | | | | | | |
| T 4 | 16 51 51 | 13° 47'47 | 14° 35 | 25° 48 | 29° 7 | 29° 32 | 2° 11 | 24° 19 | 21° 14 | 13° 25 | 20° 56 | 27° 52 | 26° 36 | 3° 28 | 4° 54 | | | | | | | | |
| F 5 | 16 55 48 | 14° 45'11 | 28° 8 | 25° 58 | 0♌ 5 | 0♉ 16 | 2° 14 | 24° 23 | 21° 17 | 13° 25 | 20° 55 | 27° 45 | 26° 33 | 3° 35 | 4° 56 | | | | | | | | |
| S 6 | 16 59 44 | 15° 42'33 | 11♌ 52 | 26° 13 | 1° 1 | 1° 0 | 2° 17 | 24° 27 | 21° 21 | 13° 26 | 20° 54 | 27° 40 | 26° 30 | 3° 41 | 4° 58 | | | | | | | | |
| S 7 | 17 3 41 | 16° 39'54 | 25° 45 | 26° 32 | 1° 57 | 1° 45 | 2° 20 | 24° 32 | 21° 24 | 13° 26 | 20° 52 | 27° 36 | 26° 27 | 3° 48 | 4° 59 | | | | | | | | |
| M 8 | 17 7 37 | 17° 37'15 | 9♋ 45 | 26° 55 | 2° 53 | 2° 29 | 2° 22 | 24° 36 | 21° 27 | 13° 27 | 20° 51 | 27° 34 | 26° 23 | 3° 55 | 5° 1 | | | | | | | | |
| T 9 | 17 11 34 | 18° 34'34 | 23° 52 | 27° 23 | 3° 48 | 3° 13 | 2° 25 | 24° 40 | 21° 30 | 13° 27 | 20° 50 | 27° D34 | 26° 20 | 4° 1 | 5° 3 | | | | | | | | |
| W 10 | 17 15 30 | 19° 31'52 | 8♌ 4 | 27° 56 | 4° 43 | 3° 58 | 2° 27 | 24° 45 | 21° 34 | 13° 28 | 20° 49 | 27° 35 | 26° 17 | 4° 8 | 5° 4 | | | | | | | | |
| T 11 | 17 19 27 | 20° 29'09 | 22° 19 | 28° 32 | 5° 37 | 4° 42 | 2° 29 | 24° 49 | 21° 37 | 13° 28 | 20° 48 | 27° R35 | 26° 14 | 4° 15 | 5° 5 | | | | | | | | |
| F 12 | 17 23 24 | 21° 26'26 | 6♌ 36 | 29° 13 | 6° 31 | 5° 26 | 2° 31 | 24° 54 | 21° 40 | 13° 29 | 20° 47 | 27° 35 | 26° 11 | 4° 21 | 5° 7 | | | | | | | | |
| S 13 | 17 27 20 | 22° 23'41 | 20° 51 | 29° 58 | 7° 24 | 6° 10 | 2° 32 | 24° 59 | 21° 43 | 13° 30 | 20° 45 | 27° 33 | 26° 7 | 4° 28 | 5° 8 | | | | | | | | |
| S 14 | 17 31 17 | 23° 20'56 | 5♉ 0 | 0♊ 47 | 8° 16 | 6° 54 | 2° 34 | 25° 4 | 21° 46 | 13° 30 | 20° 44 | 27° 29 | 26° 4 | 4° 35 | 5° 9 | | | | | | | | |
| M 15 | 17 35 13 | 24° 18'11 | 19° 0 | 1° 40 | 9° 8 | 7° 38 | 2° 35 | 25° 8 | 21° 49 | 13° 31 | 20° 43 | 27° 22 | 26° 1 | 4° 41 | 5° 11 | | | | | | | | |
| T 16 | 17 39 10 | 25° 15'24 | 2♉ 45 | 2° 36 | 9° 59 | 8° 21 | 2° 36 | 25° 13 | 21° 52 | 13° 32 | 20° 42 | 27° 13 | 25° 58 | 4° 48 | 5° 12 | | | | | | | | |
| W 17 | 17 43 6 | 26° 12'38 | 16° 13 | 3° 37 | 10° 49 | 9° 5 | 2° 37 | 25° 18 | 21° 55 | 13° 32 | 20° 40 | 27° 4 | 25° 55 | 4° 55 | 5° 13 | | | | | | | | |
| T 18 | 17 47 3 | 27° 9'51 | 29° 22 | 4° 41 | 11° 39 | 9° 49 | 2° 37 | 25° 24 | 21° 58 | 13° 33 | 20° 39 | 26° 54 | 25° 52 | 5° 1 | 5° 14 | | | | | | | | |
| F 19 | 17 50 59 | 28° 7'04 | 12♉ 10 | 5° 49 | 12° 28 | 10° 32 | 2° 38 | 25° 29 | 22° 1 | 13° 34 | 20° 38 | 26° 45 | 25° 48 | 5° 8 | 5° 15 | | | | | | | | |
| S 20 | 17 54 56 | 29° 4'16 | 24° 39 | 7° 1 | 13° 16 | 11° 16 | 2° 38 | 25° 34 | 22° 4 | 13° 35 | 20° 36 | 26° 38 | 25° 45 | 5° 15 | 5° 16 | | | | | | | | |
| S 21 | 17 58 53 | 0♉ 1'29 | 6♊ 51 | 8° 16 | 14° 3 | 12° 0 | 2° R38 | 25° 39 | 22° 7 | 13° 36 | 20° 35 | 26° 33 | 25° 42 | 5° 21 | 5° 17 | | | | | | | | |
| M 22 | 18 2 49 | 0° 58'41 | 18° 51 | 9° 35 | 14° 50 | 12° 43 | 2° 38 | 25° 45 | 22° 10 | 13° 37 | 20° 34 | 26° 31 | 25° 39 | 5° 28 | 5° 18 | | | | | | | | |
| T 23 | 18 6 46 | 1° 55'53 | 0♊ 43 | 10° 58 | 15° 36 | 13° 26 | 2° 38 | 25° 50 | 22° 13 | 13° 37 | 20° 32 | 26° D30 | 25° 36 | 5° 35 | 5° 19 | | | | | | | | |
| W 24 | 18 10 42 | 2° 53'05 | 12° 32 | 12° 24 | 16° 21 | 14° 10 | 2° 37 | 25° 56 | 22° 16 | 13° 38 | 20° 31 | 26° 30 | 25° 33 | 5° 41 | 5° 19 | | | | | | | | |
| T 25 | 18 14 39 | 3° 50'18 | 24° 23 | 13° 53 | 17° 5 | 14° 53 | 2° 37 | 26° 1 | 22° 19 | 13° 39 | 20° 30 | 26° R31 | 25° 29 | 5° 48 | 5° 20 | | | | | | | | |
| F 26 | 18 18 35 | 4° 47'30 | 6♉ 22 | 15° 26 | 17° 48 | 15° 36 | 2° 36 | 26° 7 | 22° 21 | 13° 40 | 20° 28 | 26° 30 | 25° 26 | 5° 55 | 5° 21 | | | | | | | | |
| S 27 | 18 22 32 | 5° 44'43 | 18° 34 | 17° 2 | 18° 30 | 16° 19 | 2° 35 | 26° 13 | 22° 24 | 13° 41 | 20° 27 | 26° 28 | 25° 23 | 6° 1 | 5° 21 | | | | | | | | |
| S 28 | 18 26 28 | 6° 41'55 | 1♊ 3 | 18° 42 | 19° 11 | 17° 2 | 2° 34 | 26° 18 | 22° 27 | 13° 43 | 20° 25 | 26° 23 | 25° 20 | 6° 8 | 5° 22 | | | | | | | | |
| M 29 | 18 30 25 | 7° 39'08 | 13° 50 | 20° 24 | 19° 51 | 17° 45 | 2° 32 | 26° 24 | 22° 30 | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1772

JULY 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|------------------------|-----------------------|---------------------|----------------------|---------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---|---|---|---|---|---|---|--|
| W 1 | 18 38 18 | 9 ^h 33'34" | 10 ^h 25' | 23 ^h 59' | 21 ^h 08' | 19 ^h 11' | 2 ^h 29' | 26 ^h 03' | 22 ^h 35' | 13 ^h 46' | 20 ^h 21' | 25 ^h 56' | 25 ^h 10' | 6 ^h 28' | 5 ^h 23' | | | | | | | | |
| T 2 | 18 42 15 | 10 ^h 30'47" | 24 ^h 9' | 25 ^h 51' | 21 ^h 45' | 19 ^h 54' | 2 ^h 27' | 26 ^h 42' | 22 ^h 37' | 13 ^h 47' | 20 ^h 20' | 25 ^h 45' | 25 ^h 7' | 6 ^h 35' | 5 ^h 24' | | | | | | | | |
| F 3 | 18 46 11 | 11 ^h 28'00" | 8 ^h 9' | 27 ^h 46' | 22 ^h 20' | 20 ^h 36' | 2 ^h 24' | 26 ^h 48' | 22 ^h 40' | 13 ^h 48' | 20 ^h 18' | 25 ^h 34' | 25 ^h 4' | 6 ^h 41' | 5 ^h 24' | | | | | | | | |
| S 4 | 18 50 8 | 12 ^h 25'13" | 22 ^h 15' | 29 ^h 43' | 22 ^h 54' | 21 ^h 19' | 2 ^h 22' | 26 ^h 54' | 22 ^h 43' | 13 ^h 50' | 20 ^h 17' | 25 ^h 25' | 25 ^h 1' | 6 ^h 48' | 5 ^h 24' | | | | | | | | |
| S 5 | 18 54 4 | 13 ^h 22'25" | 6 ^h 28' | 1 ^h 42' | 23 ^h 27' | 22 ^h 1' | 2 ^h 19' | 27 ^h 0' | 22 ^h 45' | 13 ^h 51' | 20 ^h 16' | 25 ^h 19' | 24 ^h 58' | 6 ^h 54' | 5 ^h 24' | | | | | | | | |
| M 6 | 18 58 1 | 14 ^h 19'38" | 20 ^h 41' | 3 ^h 44' | 23 ^h 58' | 22 ^h 44' | 2 ^h 17' | 27 ^h 7' | 22 ^h 48' | 13 ^h 52' | 20 ^h 14' | 25 ^h 15' | 24 ^h 54' | 7 ^h 1' | 5 ^h 25' | | | | | | | | |
| T 7 | 19 1 57 | 15 ^h 16'50" | 4 ^h 53' | 5 ^h 47' | 24 ^h 29' | 23 ^h 26' | 2 ^h 14' | 27 ^h 13' | 22 ^h 50' | 13 ^h 54' | 20 ^h 13' | 25 ^h 13' | 24 ^h 51' | 7 ^h 8' | 5 ^h 25' | | | | | | | | |
| W 8 | 19 5 54 | 16 ^h 14'03" | 19 ^h 1' | 7 ^h 53' | 24 ^h 57' | 24 ^h 8' | 2 ^h 10' | 27 ^h 19' | 22 ^h 52' | 13 ^h 55' | 20 ^h 11' | 25 ^h 13' | 24 ^h 48' | 7 ^h 14' | 5 ^h R25' | | | | | | | | |
| T 9 | 19 9 51 | 17 ^h 11'15" | 3 ^h 11' | 9 ^h 59' | 25 ^h 24' | 24 ^h 50' | 2 ^h 7' | 27 ^h 26' | 22 ^h 55' | 13 ^h 56' | 20 ^h 10' | 25 ^h 13' | 24 ^h 45' | 7 ^h 21' | 5 ^h 25' | | | | | | | | |
| F 10 | 19 13 47 | 18 ^h 8'27" | 17 ^h 3' | 12 ^h 7' | 25 ^h 50' | 25 ^h 33' | 2 ^h 4' | 27 ^h 32' | 22 ^h 57' | 13 ^h 58' | 20 ^h 8' | 25 ^h 12' | 24 ^h 42' | 7 ^h 28' | 5 ^h 25' | | | | | | | | |
| S 11 | 19 17 44 | 19 ^h 5'40" | 0 ^h 27'55" | 14 ^h 15' | 26 ^h 13' | 26 ^h 15' | 2 ^h 0' | 27 ^h 38' | 22 ^h 59' | 13 ^h 59' | 20 ^h 7' | 25 ^h 8' | 24 ^h 39' | 7 ^h 34' | 5 ^h 24' | | | | | | | | |
| S 12 | 19 21 40 | 20 ^h 2'52" | 14 ^h 40' | 16 ^h 24' | 26 ^h 35' | 26 ^h 56' | 1 ^h 56' | 27 ^h 45' | 23 ^h 2' | 14 ^h 1' | 20 ^h 5' | 25 ^h 2' | 24 ^h 35' | 7 ^h 41' | 5 ^h 24' | | | | | | | | |
| M13 | 19 25 37 | 21 ^h 0'05" | 28 ^h 15' | 18 ^h 32' | 26 ^h 56' | 27 ^h 38' | 1 ^h 52' | 27 ^h 52' | 23 ^h 4' | 14 ^h 2' | 20 ^h 4' | 24 ^h 53' | 24 ^h 32' | 7 ^h 48' | 5 ^h 24' | | | | | | | | |
| T 14 | 19 29 33 | 21 ^h 57'18" | 11 ^h 38' | 20 ^h 41' | 27 ^h 14' | 28 ^h 20' | 1 ^h 48' | 27 ^h 58' | 23 ^h 6' | 14 ^h 3' | 20 ^h 2' | 24 ^h 42' | 24 ^h 29' | 7 ^h 54' | 5 ^h 24' | | | | | | | | |
| W15 | 19 33 30 | 22 ^h 54'31" | 24 ^h 48' | 22 ^h 49' | 27 ^h 31' | 29 ^h 2' | 1 ^h 43' | 28 ^h 5' | 23 ^h 8' | 14 ^h 5' | 20 ^h 1' | 24 ^h 30' | 24 ^h 26' | 8 ^h 1' | 5 ^h 23' | | | | | | | | |
| T 16 | 19 37 26 | 23 ^h 51'45" | 7 ^h 42' | 24 ^h 57' | 27 ^h 45' | 29 ^h 43' | 1 ^h 39' | 28 ^h 12' | 23 ^h 10' | 14 ^h 7' | 20 ^h 0' | 24 ^h 17' | 24 ^h 23' | 8 ^h 8' | 5 ^h 23' | | | | | | | | |
| F 17 | 19 41 23 | 24 ^h 48'59" | 20 ^h 20' | 27 ^h 4' | 27 ^h 58' | 0 ^h 25' | 1 ^h 34' | 28 ^h 18' | 23 ^h 12' | 14 ^h 8' | 19 ^h 58' | 24 ^h 6' | 24 ^h 19' | 8 ^h 14' | 5 ^h 22' | | | | | | | | |
| S 18 | 19 45 20 | 25 ^h 46'14" | 2 ^h 42' | 29 ^h 9' | 28 ^h 8' | 1 ^h 6' | 1 ^h 29' | 28 ^h 25' | 23 ^h 14' | 14 ^h 10' | 19 ^h 57' | 23 ^h 56' | 24 ^h 16' | 8 ^h 21' | 5 ^h 22' | | | | | | | | |
| S 19 | 19 49 16 | 26 ^h 43'30" | 14 ^h 50' | 1 ^h 01' | 28 ^h 17' | 1 ^h 48' | 1 ^h 24' | 28 ^h 32' | 23 ^h 16' | 14 ^h 11' | 19 ^h 55' | 23 ^h 49' | 24 ^h 13' | 8 ^h 28' | 5 ^h 21' | | | | | | | | |
| M20 | 19 53 13 | 27 ^h 40'47" | 26 ^h 48' | 3 ^h 17' | 28 ^h 23' | 2 ^h 29' | 1 ^h 19' | 28 ^h 39' | 23 ^h 18' | 14 ^h 13' | 19 ^h 54' | 23 ^h 44' | 24 ^h 10' | 8 ^h 34' | 5 ^h 21' | | | | | | | | |
| T 21 | 19 57 9 | 28 ^h 38'04" | 8 ^h 38' | 5 ^h 19' | 28 ^h 27' | 3 ^h 10' | 1 ^h 14' | 28 ^h 46' | 23 ^h 20' | 14 ^h 15' | 19 ^h 52' | 23 ^h 42' | 24 ^h 7' | 8 ^h 41' | 5 ^h 20' | | | | | | | | |
| W22 | 20 1 6 | 29 ^h 35'22" | 20 ^h 26' | 7 ^h 20' | 28 ^h R29' | 3 ^h 51' | 1 ^h 8' | 28 ^h 53' | 23 ^h 22' | 14 ^h 16' | 19 ^h 51' | 23 ^h 42' | 24 ^h 4' | 8 ^h 48' | 5 ^h 19' | | | | | | | | |
| T 23 | 20 5 2 | 0 ^h 32'41" | 2 ^h 18' | 9 ^h 18' | 28 ^h 28' | 4 ^h 33' | 1 ^h 2' | 29 ^h 0' | 23 ^h 24' | 14 ^h 18' | 19 ^h 50' | 23 ^h 42' | 24 ^h 0' | 8 ^h 54' | 5 ^h 19' | | | | | | | | |
| F 24 | 20 8 59 | 1 ^h 30'01" | 14 ^h 17' | 11 ^h 16' | 28 ^h 25' | 5 ^h 13' | 0 ^h 57' | 29 ^h 7' | 23 ^h 26' | 14 ^h 20' | 19 ^h 48' | 23 ^h 41' | 23 ^h 57' | 9 ^h 1' | 5 ^h 18' | | | | | | | | |
| S 25 | 20 12 55 | 2 ^h 27'23" | 26 ^h 31' | 13 ^h 12' | 28 ^h 20' | 5 ^h 54' | 0 ^h 51' | 29 ^h 14' | 23 ^h 27' | 14 ^h 21' | 19 ^h 47' | 23 ^h 39' | 23 ^h 54' | 9 ^h 7' | 5 ^h 17' | | | | | | | | |
| S 26 | 20 16 52 | 3 ^h 24'45" | 9 ^h 11' | 15 ^h 6' | 28 ^h 13' | 6 ^h 35' | 0 ^h 45' | 29 ^h 21' | 23 ^h 29' | 14 ^h 23' | 19 ^h 45' | 23 ^h 35' | 23 ^h 51' | 9 ^h 14' | 5 ^h 16' | | | | | | | | |
| M27 | 20 20 49 | 4 ^h 22'08" | 21 ^h 58' | 16 ^h 58' | 28 ^h 3' | 7 ^h 16' | 0 ^h 39' | 29 ^h 28' | 23 ^h 31' | 14 ^h 25' | 19 ^h 44' | 23 ^h 28' | 23 ^h 48' | 9 ^h 21' | 5 ^h 15' | | | | | | | | |
| T 28 | 20 24 45 | 5 ^h 19'33" | 5 ^h 16' | 18 ^h 49' | 27 ^h 51' | 7 ^h 56' | 0 ^h 32' | 29 ^h 35' | 23 ^h 32' | 14 ^h 27' | 19 ^h 42' | 23 ^h 19' | 23 ^h 44' | 9 ^h 27' | 5 ^h 14' | | | | | | | | |
| W29 | 20 28 42 | 6 ^h 16'58" | 19 ^h 0' | 20 ^h 38' | 27 ^h 36' | 8 ^h 37' | 0 ^h 26' | 29 ^h 42' | 23 ^h 34' | 14 ^h 29' | 19 ^h 41' | 23 ^h 9' | 23 ^h 41' | 9 ^h 34' | 5 ^h 13' | | | | | | | | |
| T 30 | 20 32 38 | 7 ^h 14'24" | 3 ^h 01' | 22 ^h 26' | 27 ^h 19' | 9 ^h 17' | 0 ^h 19' | 29 ^h 49' | 23 ^h 35' | 14 ^h 30' | 19 ^h 40' | 22 ^h 57' | 23 ^h 38' | 9 ^h 41' | 5 ^h 12' | | | | | | | | |
| F 31 | 20 36 35 | 8 ^h 11'52" | 17 ^h 02' | 24 ^h 02' | 27 ^h 01' | 9 ^h 58' | 0 ^h 13' | 29 ^h 57' | 23 ^h 37' | 14 ^h 32' | 19 ^h 38' | 22 ^h 47' | 23 ^h 35' | 9 ^h 47' | 5 ^h 11' | | | | | | | | |

Delta T = 15.41 sec.

Greg. Calendar

AUGUST 1772

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| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | |
|------|----------|------------------------|---------------------|---------------------|----------------------|---------------------|---------------------|--------------------|---------------------|---------------------|----------------------|----------------------|---------------------|---------------------|---------------------|---|---|---|---|---|---|---|--|
| S 1 | 20 40 31 | 9 ^h 01'20" | 2 ^h 00' | 25 ^h 05' | 26 ^h R38' | 10 ^h 38' | 0 ^h R 6' | 0 ^h 00' | 23 ^h 38' | 14 ^h 34' | 19 ^h R37' | 22 ^h R38' | 23 ^h 32' | 9 ^h 54' | 5 ^h R 9' | | | | | | | | |
| S 2 | 20 44 28 | 10 ^h 6'49" | 16 ^h 37' | 27 ^h 39' | 26 ^h 01' | 11 ^h 18' | 29 ^h 59' | 0 ^h 11' | 23 ^h 40' | 14 ^h 36' | 19 ^h 36' | 22 ^h 31' | 23 ^h 29' | 10 ^h 1' | 5 ^h R 8' | | | | | | | | |
| M 3 | 20 48 24 | 11 ^h 4'18" | 1 ^h 11' | 29 ^h 20' | 25 ^h 49' | 11 ^h 58' | 29 ^h 52' | 0 ^h 19' | 23 ^h 41' | 14 ^h 38' | 19 ^h 34' | 22 ^h 27' | 23 ^h 25' | 10 ^h 7' | 5 ^h 7' | | | | | | | | |
| T 4 | 20 52 21 | 12 ^h 1'49" | 15 ^h 37' | 0 ^h 00' | 25 ^h 21' | 12 ^h 38' | 29 ^h 45' | 0 ^h 26' | 23 ^h 42' | 14 ^h 40' | 19 ^h 33' | 22 ^h 26' | 23 ^h 22' | 10 ^h 14' | 5 ^h 6' | | | | | | | | |
| W 5 | 20 56 18 | 12 ^h 59'20" | 29 ^h 53' | 2 ^h 37' | 24 ^h 52' | 13 ^h 18' | 29 ^h 38' | 0 ^h 33' | 23 ^h 43' | 14 ^h 42' | 19 ^h 32' | 22 ^h D26' | 23 ^h 19' | 10 ^h 21' | 5 ^h 4' | | | | | | | | |
| T 6 | 21 0 14 | 13 ^h 56'53" | 13 ^h 56' | 4 ^h 14' | 24 ^h 21' | 13 ^h 57' | 29 ^h 30' | 0 ^h 41' | 23 ^h 45' | 14 ^h 44' | 19 ^h 30' | 22 ^h R26' | 23 ^h 16' | 10 ^h 27' | 5 ^h 3' | | | | | | | | |
| F 7 | 21 4 11 | 14 ^h 54'26" | 17 ^h 47' | 5 ^h 48' | 23 ^h 48' | 14 ^h 37' | 29 ^h 23' | 0 ^h 48' | 23 ^h 46' | 14 ^h 46' | 19 ^h 29' | 22 ^h 25' | 23 ^h 13' | 10 ^h 34' | 5 ^h 1' | | | | | | | | |
| S 8 | 21 8 7 | 15 ^h 52'00" | 11 ^h 24' | 7 ^h 22' | 23 ^h 14' | 15 ^h 17' | 29 ^h 16' | 0 ^h 55' | 23 ^h 47' | 14 ^h 48' | 19 ^h 28' | 22 ^h 23' | 23 ^h 10' | 10 ^h 41' | 5 ^h 0' | | | | | | | | |
| S 9 | 21 12 4 | 16 ^h 49'34" | 24 ^h 49' | 8 ^h 53' | 22 ^h 39' | 15 ^h 56' | 29 ^h 8' | 1 ^h 3' | 23 ^h 48' | 14 ^h 50' | 19 ^h 27' | 22 ^h 18' | 23 ^h 6' | 10 ^h 47' | 4 ^h 58' | | | | | | | | |
| M10 | 21 16 0 | 17 ^h 47'10" | 8 ^h 3' | 10 ^h 23' | 22 ^h 3' | 16 ^h 35' | 29 ^h 0' | 1 ^h 10' | 23 ^h 49' | 14 ^h 52' | 19 ^h 25' | 22 ^h 10' | 23 ^h 3' | 10 ^h 54' | 4 ^h 56' | | | | | | | | |
| T 11 | 21 19 57 | 18 ^h 44'47" | 21 ^h 4' | 11 ^h 52' | 21 ^h 26' | 17 ^h 15' | 28 ^h 53' | | | | | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 1772

SEPTEMBER 1772

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| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------------------|-----------------------|-----------------------|---------------------|-----------------------|----------------------|----------------------|-----------------------|-----------------------|--------------------------------|-----------------------|-----------------------|-----------------------|--------------------|
| T 1 | 22 42 44 | 9 ^h 0'33 | 25 ^h 53'35 | 5 ^h 51'15 | 12 ^h R14 | 0 ^h 53'32 | 26 ^h R 9 | 3 ^h 57'57 | 23 ^h R58 | 15 ^h 39'39 | 19 ^h R 3 | 20 ^h D28 | 21 ^h 53'53 | 13 ^h 20'20 | 4 ^h R11 |
| W 2 | 22 46 41 | 9 ^h 58'45 | 10 ^h 11'7 | 5 ^h 52'12 | 12 ^h Ω10 | 1 ^h 9'26 | 26 ^h ≈ 2 | 4 ^h 4'23 | 23 ^h 58'58 | 15 ^h 41'19 | 19 ^h 2 ^h | 20 ^h Ω29 | 21 ^h 50'13 | 13 ^h 27'49 | 4 ^h Y 8 |
| T 3 | 22 50 38 | 10 ^h 56'58 | 24 ^h 20'7 | 6 ^h 24'12 | 12 ^h D 8 | 1 ^h 46'25 | 25 ^h 54'4 | 4 ^h 12'23 | 23 ^h 58'58 | 15 ^h 43'19 | 19 ^h 1 | 20 ^h 30'20 | 21 ^h 47'13 | 13 ^h 33'4 | 4 ^h 6 |
| F 4 | 22 54 34 | 11 ^h 55'13 | 8 ^h 14'14 | 6 ^h 52'12 | 12 ^h 9 | 2 ^h 22'25 | 25 ^h 47'4 | 4 ^h 20'23 | 23 ^h 57'57 | 15 ^h 46'19 | 19 ^h 0 | 20 ^h R31 | 21 ^h 44'13 | 13 ^h 40'4 | 4 ^h 3 |
| S 5 | 22 58 31 | 12 ^h 53'30 | 21 ^h 47'7 | 7 ^h 16'12 | 12 ^h 12 | 2 ^h 58'25 | 25 ^h 40'4 | 4 ^h 27'23 | 23 ^h 57'57 | 15 ^h 48'18 | 18 ^h 59'20 | 20 ^h 31'21 | 21 ^h 41'13 | 13 ^h 47'4 | 4 ^h 1 |
| S 6 | 23 2 27 | 13 ^h 51'48 | 5 ^h 3'3 | 7 ^h 34'12 | 12 ^h 17 | 3 ^h 34'25 | 25 ^h 33'4 | 4 ^h 35'23 | 23 ^h 57'57 | 15 ^h 50'18 | 18 ^h 59'20 | 20 ^h 29'21 | 21 ^h 37'13 | 13 ^h 53'3 | 3 ^h 58 |
| M 7 | 23 6 24 | 14 ^h 50'07 | 18 ^h 2'7 | 7 ^h 47'12 | 12 ^h 24 | 4 ^h 10'25 | 25 ^h 26'4 | 4 ^h 42'23 | 23 ^h 56'55 | 15 ^h 52'18 | 18 ^h 58'20 | 20 ^h 25'21 | 21 ^h 34'14 | 14 ^h 0 | 3 ^h 55 |
| T 8 | 23 10 20 | 15 ^h 48'28 | 0 ^h ≈46 | 7 ^h 54'12 | 12 ^h 34 | 4 ^h 46'25 | 25 ^h 19'4 | 4 ^h 50'23 | 23 ^h 56'55 | 15 ^h 54'18 | 18 ^h 57'20 | 20 ^h 21'21 | 21 ^h 31'14 | 14 ^h 7 | 3 ^h 53 |
| W 9 | 23 14 17 | 16 ^h 46'51 | 13 ^h 17'7 | 7 ^h R55 | 12 ^h 45 | 5 ^h 22'25 | 25 ^h 12'4 | 4 ^h 57'23 | 23 ^h 55'55 | 15 ^h 57'18 | 18 ^h 57'20 | 20 ^h 15'21 | 21 ^h 28'14 | 14 ^h 13'3 | 3 ^h 50 |
| T 10 | 23 18 13 | 17 ^h 45'16 | 25 ^h 36'7 | 7 ^h 49'12 | 12 ^h 59 | 5 ^h 57'25 | 25 ^h 5'5 | 5 ^h 5'23 | 23 ^h 55'55 | 15 ^h 59'18 | 18 ^h 56'20 | 20 ^h 9'21 | 21 ^h 25'14 | 14 ^h 20'3 | 3 ^h 48 |
| F 11 | 23 22 10 | 18 ^h 43'42 | 7 ^h 46'7 | 7 ^h 37'13 | 13 ^h 15 | 6 ^h 32'24 | 24 ^h 59'5 | 5 ^h 12'23 | 23 ^h 54'16 | 16 ^h 1'18 | 18 ^h 56'20 | 20 ^h 4'21 | 21 ^h 21'14 | 14 ^h 27'3 | 3 ^h 45 |
| S 12 | 23 26 7 | 19 ^h 42'10 | 19 ^h 47'7 | 7 ^h 19'13 | 13 ^h 32 | 7 ^h 8'24 | 24 ^h 52'5 | 5 ^h 20'23 | 23 ^h 53'16 | 16 ^h 3'18 | 18 ^h 55'20 | 20 ^h 0'21 | 21 ^h 18'14 | 14 ^h 33'3 | 3 ^h 42 |
| S 13 | 23 30 3 | 20 ^h 40'40 | 1 ^h Y41 | 6 ^h 53'13 | 13 ^h 52 | 7 ^h 43'24 | 24 ^h 46'5 | 5 ^h 27'23 | 23 ^h 53'16 | 16 ^h 6'18 | 18 ^h 55'19 | 19 ^h 57'21 | 21 ^h 15'14 | 14 ^h 40'3 | 3 ^h 40 |
| M 14 | 23 34 0 | 21 ^h 39'11 | 13 ^h 30'8 | 6 ^h 20'14 | 14 ^h 14 | 8 ^h 18'24 | 24 ^h 40'5 | 5 ^h 35'23 | 23 ^h 52'16 | 16 ^h 8'18 | 18 ^h 54'19 | 19 ^h 55'21 | 21 ^h 12'14 | 14 ^h 46'3 | 3 ^h 37 |
| T 15 | 23 37 56 | 22 ^h 37'45 | 25 ^h 17'5 | 5 ^h 41'14 | 14 ^h 37 | 8 ^h 52'24 | 24 ^h 33'5 | 5 ^h 42'23 | 23 ^h 51'16 | 16 ^h 10'18 | 18 ^h 54'19 | 19 ^h D55 | 21 ^h 9'14 | 14 ^h 53'3 | 3 ^h 34 |
| W 16 | 23 41 53 | 23 ^h 36'21 | 7 ^h 8'4 | 4 ^h 55'15 | 15 ^h 2 | 9 ^h 27'24 | 24 ^h 27'5 | 5 ^h 49'23 | 23 ^h 50'16 | 16 ^h 12'18 | 18 ^h 53'19 | 19 ^h 56'21 | 21 ^h 6'15 | 15 ^h 0 | 3 ^h 32 |
| T 17 | 23 45 49 | 24 ^h 34'59 | 18 ^h 56'4 | 4 ^h 4'15 | 15 ^h 28 | 10 ^h 2'24 | 24 ^h 22'5 | 5 ^h 57'23 | 23 ^h 49'16 | 16 ^h 14'18 | 18 ^h 53'19 | 19 ^h 58'21 | 21 ^h 2'15 | 15 ^h 6 | 3 ^h 29 |
| F 18 | 23 49 46 | 25 ^h 33'40 | 0 ^h II55 | 3 ^h 7'15 | 15 ^h 57 | 10 ^h 36'24 | 24 ^h 16'6 | 6 ^h 4'23 | 23 ^h 48'16 | 16 ^h 17'18 | 18 ^h 52'19 | 19 ^h 59'20 | 20 ^h 59'15 | 15 ^h 13'3 | 3 ^h 26 |
| S 19 | 23 53 42 | 26 ^h 32'22 | 13 ^h 7'2 | 2 ^h 6'16 | 16 ^h 27 | 11 ^h 10'24 | 24 ^h 10'6 | 6 ^h 11'23 | 23 ^h 47'16 | 16 ^h 19'18 | 18 ^h 52'20 | 20 ^h 1'20 | 20 ^h 56'15 | 15 ^h 20'3 | 3 ^h 23 |
| S 20 | 23 57 39 | 27 ^h 31'07 | 25 ^h 36'1 | 1 ^h 2'16 | 16 ^h 58 | 11 ^h 44'12 | 24 ^h 5'2 | 6 ^h 19'23 | 23 ^h 46'16 | 16 ^h 21'18 | 18 ^h 52'20 | 20 ^h R 1 | 20 ^h 53'15 | 15 ^h 26'3 | 3 ^h 21 |
| M 21 | 0 1 36 | 28 ^h 29'54 | 8 ^h 26'29 | 29 ^h 56'17 | 17 ^h 31 | 12 ^h 18'12 | 24 ^h 0'6 | 6 ^h 26'23 | 23 ^h 45'16 | 16 ^h 23'18 | 18 ^h 51'20 | 20 ^h 1'20 | 20 ^h 50'15 | 15 ^h 33'3 | 3 ^h 18 |
| T 22 | 0 5 32 | 29 ^h 28'44 | 21 ^h 42'28 | 28 ^h 50'18 | 18 ^h 5 | 12 ^h 51'23 | 23 ^h 55'6 | 6 ^h 33'23 | 23 ^h 44'16 | 16 ^h 25'18 | 18 ^h 51'20 | 20 ^h 0'20 | 20 ^h 47'15 | 15 ^h 40'3 | 3 ^h 15 |
| W 23 | 0 9 29 | 0 ^h Ω27'35 | 5 ^h Ω24 | 27 ^h 45'18 | 18 ^h 41 | 13 ^h 25'23 | 23 ^h 50'6 | 6 ^h 40'23 | 23 ^h 43'16 | 16 ^h 28'18 | 18 ^h 51'19 | 19 ^h 58'20 | 20 ^h 43'15 | 15 ^h 46'3 | 3 ^h 12 |
| T 24 | 0 13 25 | 1 ^h 26'29 | 19 ^h 35'26 | 26 ^h 44'19 | 19 ^h 17 | 13 ^h 58'23 | 23 ^h 45'6 | 6 ^h 47'23 | 23 ^h 42'16 | 16 ^h 30'18 | 18 ^h 51'19 | 19 ^h 55'20 | 20 ^h 40'15 | 15 ^h 53'3 | 3 ^h 9 |
| F 25 | 0 17 22 | 2 ^h 25'25 | 4 ^h 11'25 | 25 ^h 48'19 | 19 ^h 55 | 14 ^h 31'23 | 23 ^h 40'6 | 6 ^h 55'23 | 23 ^h 41'16 | 16 ^h 32'18 | 18 ^h 51'19 | 19 ^h 53'20 | 20 ^h 37'16 | 15 ^h 0 | 3 ^h 7 |
| S 26 | 0 21 18 | 3 ^h 24'24 | 19 ^h 7'24 | 24 ^h 58'20 | 20 ^h 35 | 15 ^h 4'23 | 23 ^h 36'7 | 7 ^h 2'23 | 23 ^h 39'16 | 16 ^h 34'18 | 18 ^h 50'19 | 19 ^h 51'20 | 20 ^h 34'16 | 15 ^h 6 | 3 ^h 4 |
| S 27 | 0 25 15 | 4 ^h 23'24 | 4 ^h 15'24 | 24 ^h 16'21 | 21 ^h 15 | 15 ^h 37'23 | 23 ^h 32'7 | 7 ^h 9'23 | 23 ^h 38'16 | 16 ^h 36'18 | 18 ^h 50'19 | 19 ^h 50'20 | 20 ^h 31'16 | 15 ^h 13'3 | 3 ^h 1 |
| M 28 | 0 29 11 | 5 ^h 22'27 | 19 ^h 26'23 | 23 ^h 43'21 | 21 ^h 57 | 16 ^h 9'23 | 23 ^h 28'7 | 7 ^h 16'23 | 23 ^h 36'16 | 16 ^h 38'18 | 18 ^h 50'19 | 19 ^h D49 | 20 ^h 27'16 | 15 ^h 19'2 | 2 ^h 58 |
| T 29 | 0 33 8 | 6 ^h 21'31 | 4 ^h 11'31 | 23 ^h 20'22 | 22 ^h 39 | 16 ^h 42'23 | 23 ^h 24'7 | 7 ^h 23'23 | 23 ^h 35'16 | 16 ^h 41'18 | 18 ^h 50'19 | 19 ^h 50'20 | 20 ^h 24'16 | 15 ^h 26'2 | 2 ^h 56 |
| W 30 | 0 37 4 | 7 ^h 20'37 | 19 ^h 11'21 | 23 ^h 17'23 | 22 ^h Ω23 | 17 ^h 14'17 | 23 ^h ≈20 | 7 ^h 30'23 | 23 ^h 34'16 | 16 ^h 43'18 | 18 ^h 50'19 | 19 ^h 51'20 | 20 ^h 21'16 | 15 ^h 33'2 | 2 ^h Y53 |

Delta T = 15.41 sec. Greg. Calendar

OCTOBER 1772

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|------|---------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|--------------------|
| T 1 | 0 41 1 | 8 ^h 19'45 | 3 ^h ≈50 | 23 ^h D 4 | 24 ^h Ω 7 | 17 ^h ≈46 | 23 ^h R17 | 7 ^h 37'7 | 23 ^h R32 | 16 ^h 45'16 | 18 ^h D50 | 19 ^h 51'20 | 20 ^h 18'15 | 16 ^h 39'2 | 2 ^h R50 |
| F 2 | 0 44 58 | 9 ^h 18'56 | 17 ^h 55'23 | 23 ^h 12'24 | 24 ^h 53'18 | 18 ^h 17'23 | ≈13 | 7 ^h 44'23 | 23 ^h 30'16 | 16 ^h 47'18 | 18 ^h 50'19 | 19 ^h 52'20 | 20 ^h 15'16 | 16 ^h 46'2 | 2 ^h Y47 |
| S 3 | 0 48 54 | 10 ^h 18'07 | 1 ^h 35'23 | 23 ^h 30'25 | 25 ^h 39'18 | 18 ^h 49'23 | 10'23 | 7 ^h 50'23 | 23 ^h 29'16 | 16 ^h 49'18 | 18 ^h 50'19 | 19 ^h 53'20 | 20 ^h 12'16 | 16 ^h 53'2 | 2 ^h 44 |
| S 4 | 0 52 51 | 11 ^h 17'21 | 14 ^h 51'23 | 23 ^h 58'26 | 26 ^h 27'19 | 19 ^h 20'23 | 7'23 | 7 ^h 57'23 | 23 ^h 27'16 | 16 ^h 51'18 | 18 ^h 50'19 | 19 ^h R53 | 20 ^h 8'16 | 16 ^h 59'2 | 2 ^h 42 |
| M 5 | 0 56 47 | 12 ^h 16'36 | 27 ^h 45'24 | 24 ^h 36'27 | 27 ^h 15'19 | 19 ^h 51'23 | 4'23 | 8 ^h 4'23 | 23 ^h 26'16 | 16 ^h 53'18 | 18 ^h 50'19 | 19 ^h 53'20 | 20 ^h 5'17 | 17 ^h 6 | 2 ^h 39 |
| T 6 | 1 0 44 | 13 ^h 15'53 | 10 ^h ≈20 | 25 ^h 23'28 | 28 ^h 4 | 20 ^h 22'23 | 2'23 | 8 ^h 11'23 | 23 ^h 24'16 | 16 ^h 55'18 | 18 ^h 50'19 | 19 ^h 52'20 | 20 ^h 2'17 | 17 ^h 13 | 2 ^h 36 |
| W 7 | 1 4 40 | 14 ^h 15'12 | 22 ^h 40'26 | 26 ^h 17'28 | 28 ^h 54'20 | 20 ^h 52'23 | 0'23 | 8 ^h 17'23 | 23 ^h 22'16 | 16 ^h 57'18 | 18 ^h 51'19 | 19 ^h 51'20 | 19 ^h 59'17 | 17 ^h 19 | 2 ^h 34 |
| T 8 | 1 8 37 | 15 ^h 14'33 | 4 ^h 47'27 | 27 ^h 19'29 | 29 ^h 45'21 | 21 ^h 23'22 | 57'22 | 8 ^h 24'23 | 23 ^h 20'16 | 16 ^h 59'18 | 18 ^h 51'19 | 19 ^h 51'20 | 19 ^h 56'17 | 17 ^h 26 | 2 ^h 31 |
| F 9 | 1 12 33 | 16 ^h 13'55 | 16 ^h 46'28 | 28 ^h 27'0 | 36'21 | 21 ^h 53'22 | 55'8 | 8 ^h 30'23 | 23 ^h 18'17 | 17 ^h 1'18 | 18 ^h 51'19 | 19 ^h 50'20 | 19 ^h 53'17 | 17 ^h 33 | 2 ^h 28 |
| S 10 | 1 16 30 | 17 ^h 13'20 | 28 ^h 39'29 | 29 ^h 41'1 | 28'22 | 22 ^h 23'22 | 54'8 | 8 ^h 37'23 | 23 ^h 17'17 | 17 ^h 3'18 | 18 ^h 51'19 | 19 ^h 50'20 | 19 ^h 49'17 | 17 ^h 39 | 2 ^h 25 |
| S 11 | 1 20 27 | 18 ^h 12'46 | 10 ^h Y28 | 1 ^h 15'2 | 2'21 | 22 ^h 53'22 | 52'8 | 8 ^h 43'23 | 23 ^h 15'17 | 17 ^h 5'18 | 18 ^h 52'19 | 19 ^h 50'20 | 19 ^h 46'17 | 17 ^h 46 | 2 ^h 23 |
| M 12 | 1 24 23 | 19 ^h 12'14 | 22 ^h 15'2 | 2'23'3 | 3'14 | 23 ^h 22'22 | 51'8 | 8 ^h 50'23 | 23 ^h 13'17 | 17 ^h 7'18 | 18 ^h 52'19 | 19 ^h D50 | 19 ^h 43'17 | 17 ^h 53 | 2 ^h 20 |
| T 13 | 1 28 20 | 20 ^h 11'45 | 4 ^h 8'3 | 3 ^h 50'4 | 8'23 | 23 ^h 51'22 | 49'8 | 8 ^h 56'23 | 23 ^h 11'17 | 17 ^h 9'18 | 18 ^h 52'19 | 19 ^h R50 | 19 ^h 40'17 | 17 ^h 59 | |

SWISS EPHEMERIS for the year 1772

NOVEMBER 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|
| S 1 | 2 43 14 | 9♐ 9°14 | 23♊53 | 5♏ 0 | 22♐56 | 2♉12 | 23♋ 5 | 10♐46 | 22♐R28 | 17♐42 | 19♊ 4 | 19♐R40 | 18♏39 | 20♑ 5 | 1♑R33 |
| M 2 | 2 47 11 | 10° 9'25 | 6♏50 | 6°39 | 24° 0 | 2°35 | 23° 8 | 10°51 | 22♊26 | 17°44 | 19° 5 | 19°D40 | 18°36 | 20°12 | 1♑R31 |
| T 3 | 2 51 7 | 11° 9'37 | 19°24 | 8°17 | 25° 3 | 2°57 | 23°11 | 10°56 | 22°24 | 17°45 | 19° 6 | 19°D40 | 18°33 | 20°19 | 1°29 |
| W 4 | 2 55 4 | 12° 9'51 | 1♋40 | 9°54 | 26° 8 | 3°20 | 23°15 | 11° 1 | 22°21 | 17°47 | 19° 7 | 19°41 | 18°30 | 20°25 | 1°27 |
| T 5 | 2 59 0 | 13°10'07 | 13°42 | 11°32 | 27°12 | 3°41 | 23°18 | 11° 6 | 22°19 | 17°48 | 19° 8 | 19°43 | 18°27 | 20°32 | 1°25 |
| F 6 | 3 2 57 | 14°10'24 | 25°35 | 13° 8 | 28°17 | 4° 3 | 23°22 | 11°10 | 22°16 | 17°50 | 19° 9 | 19°44 | 18°24 | 20°39 | 1°23 |
| S 7 | 3 6 54 | 15°10'43 | 7♑23 | 14°45 | 29°22 | 4°24 | 23°25 | 11°15 | 22°14 | 17°51 | 19°10 | 19°46 | 18°20 | 20°45 | 1°21 |
| S 8 | 3 10 50 | 16°11'03 | 19°10 | 16°21 | 0♌27 | 4°44 | 23°29 | 11°20 | 22°11 | 17°52 | 19°11 | 19°R47 | 18°17 | 20°52 | 1°19 |
| M 9 | 3 14 47 | 17°11'24 | 0♈59 | 17°57 | 1°33 | 5° 5 | 23°34 | 11°24 | 22° 9 | 17°54 | 19°13 | 19°46 | 18°14 | 20°59 | 1°18 |
| T 10 | 3 18 43 | 18°11'48 | 12°52 | 19°32 | 2°39 | 5°24 | 23°38 | 11°29 | 22° 6 | 17°55 | 19°14 | 19°44 | 18°11 | 21° 5 | 1°16 |
| W 11 | 3 22 40 | 19°12'13 | 24°52 | 21° 8 | 3°45 | 5°44 | 23°43 | 11°33 | 22° 4 | 17°56 | 19°15 | 19°40 | 18° 8 | 21°12 | 1°14 |
| T 12 | 3 26 36 | 20°12'39 | 7♐11 | 22°43 | 4°51 | 6° 3 | 23°47 | 11°37 | 22° 1 | 17°58 | 19°16 | 19°36 | 18° 4 | 21°18 | 1°13 |
| F 13 | 3 30 33 | 21°13'08 | 19°19 | 24°17 | 5°58 | 6°21 | 23°52 | 11°41 | 21°59 | 17°59 | 19°17 | 19°30 | 18° 1 | 21°25 | 1°11 |
| S 14 | 3 34 29 | 22°13'38 | 1♌48 | 25°52 | 7° 5 | 6°39 | 23°57 | 11°45 | 21°56 | 18° 0 | 19°18 | 19°24 | 17°58 | 21°32 | 1°10 |
| S 15 | 3 38 26 | 23°14'09 | 14°29 | 27°26 | 8°12 | 6°56 | 24° 3 | 11°49 | 21°54 | 18° 1 | 19°20 | 19°19 | 17°55 | 21°38 | 1° 8 |
| M 16 | 3 42 23 | 24°14'43 | 27°24 | 29° 0 | 9°19 | 7°13 | 24° 8 | 11°53 | 21°51 | 18° 2 | 19°21 | 19°14 | 17°52 | 21°45 | 1° 7 |
| T 17 | 3 46 19 | 25°15'18 | 10♊34 | 0♌34 | 10°27 | 7°30 | 24°14 | 11°57 | 21°49 | 18° 3 | 19°22 | 19°12 | 17°49 | 21°52 | 1° 5 |
| W 18 | 3 50 16 | 26°15'55 | 24° 1 | 2° 7 | 11°35 | 7°46 | 24°20 | 12° 1 | 21°46 | 18° 5 | 19°24 | 19°D11 | 17°45 | 21°58 | 1° 4 |
| T 19 | 3 54 12 | 27°16'34 | 7♐47 | 3°41 | 12°43 | 8° 1 | 24°25 | 12° 5 | 21°44 | 18° 6 | 19°25 | 19°11 | 17°42 | 22° 5 | 1° 3 |
| F 20 | 3 58 9 | 28°17'14 | 21°52 | 5°14 | 13°51 | 8°16 | 24°32 | 12° 8 | 21°41 | 18° 7 | 19°26 | 19°12 | 17°39 | 22°12 | 1° 2 |
| S 21 | 4 2 5 | 29°17'56 | 6♌16 | 6°47 | 14°59 | 8°30 | 24°38 | 12°12 | 21°39 | 18° 8 | 19°28 | 19°14 | 17°36 | 22°18 | 1° 1 |
| S 22 | 4 6 2 | 0♌18'40 | 20°56 | 8°20 | 16° 8 | 8°44 | 24°44 | 12°15 | 21°36 | 18° 9 | 19°29 | 19°R14 | 17°33 | 22°25 | 0°59 |
| M 23 | 4 9 58 | 1°19'25 | 5♏48 | 9°53 | 17°17 | 8°57 | 24°51 | 12°18 | 21°34 | 18°10 | 19°31 | 19°13 | 17°30 | 22°32 | 0°58 |
| T 24 | 4 13 55 | 2°20'12 | 20°44 | 11°25 | 18°26 | 9°10 | 24°58 | 12°21 | 21°31 | 18°10 | 19°32 | 19°10 | 17°26 | 22°38 | 0°57 |
| W 25 | 4 17 51 | 3°21'01 | 5♌37 | 12°58 | 19°35 | 9°22 | 25° 5 | 12°24 | 21°29 | 18°11 | 19°34 | 19° 5 | 17°23 | 22°45 | 0°56 |
| T 26 | 4 21 48 | 4°21'50 | 20°18 | 14°30 | 20°44 | 9°33 | 25°12 | 12°27 | 21°27 | 18°12 | 19°35 | 18°58 | 17°20 | 22°52 | 0°56 |
| F 27 | 4 25 45 | 5°22'41 | 4♌30 | 16° 3 | 21°54 | 9°44 | 25°19 | 12°30 | 21°24 | 18°13 | 19°37 | 18°50 | 17°17 | 22°58 | 0°55 |
| S 28 | 4 29 41 | 6°23'32 | 18°37 | 17°35 | 23° 3 | 9°54 | 25°27 | 12°33 | 21°22 | 18°14 | 19°38 | 18°42 | 17°14 | 23° 5 | 0°54 |
| S 29 | 4 33 38 | 7°24'25 | 2♏ 6 | 19° 7 | 24°13 | 10° 3 | 25°34 | 12°36 | 21°19 | 18°14 | 19°40 | 18°35 | 17°10 | 23°11 | 0°53 |
| M 30 | 4 37 34 | 8°25'18 | 15♋ 9 | 20♌39 | 25♏23 | 10♊12 | 25♋42 | 12♐38 | 21♊17 | 18♐15 | 19♊41 | 18♏31 | 17♏ 7 | 23♑18 | 0♑52 |

Delta T = 15.40 sec. Greg. Calendar

DECEMBER 1772

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♄ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|--------|-------|--------|--------|--------|-------|--------|-------|-------|-------|
| T 1 | 4 41 31 | 9♌26'13 | 27♋47 | 22♌11 | 26♏33 | 10♊20 | 25♋50 | 12♐41 | 21°R15 | 18♐16 | 19♊43 | 18°R28 | 17♏ 4 | 23♑25 | 0°R52 |
| W 2 | 4 45 27 | 10°27'08 | 10♋ 4 | 23°42 | 27°43 | 10°28 | 25°58 | 12°43 | 21♊12 | 18°16 | 19°45 | 18°D27 | 17° 1 | 23°31 | 0♑51 |
| T 3 | 4 49 24 | 11°28'03 | 22° 6 | 25°13 | 28°54 | 10°34 | 26° 6 | 12°45 | 21°10 | 18°17 | 19°46 | 18♏28 | 16°58 | 23°38 | 0°51 |
| F 4 | 4 53 21 | 12°29'00 | 3♑58 | 26°44 | 0♏ 4 | 10°40 | 26°15 | 12°47 | 21° 8 | 18°18 | 19°48 | 18°29 | 16°55 | 23°45 | 0°50 |
| S 5 | 4 57 17 | 13°29'57 | 15°45 | 28°15 | 1°15 | 10°46 | 26°23 | 12°49 | 21° 5 | 18°18 | 19°50 | 18°R30 | 16°51 | 23°51 | 0°50 |
| S 6 | 5 1 14 | 14°30'55 | 27°32 | 29°45 | 2°25 | 10°50 | 26°32 | 12°51 | 21° 3 | 18°19 | 19°51 | 18°29 | 16°48 | 23°58 | 0°50 |
| M 7 | 5 5 10 | 15°31'53 | 9♌24 | 1♊15 | 3°36 | 10°54 | 26°41 | 12°53 | 21° 1 | 18°19 | 19°53 | 18°27 | 16°45 | 24° 5 | 0°49 |
| T 8 | 5 9 7 | 16°32'53 | 21°24 | 2°44 | 4°47 | 10°57 | 26°50 | 12°55 | 20°59 | 18°19 | 19°55 | 18°22 | 16°42 | 24°11 | 0°49 |
| W 9 | 5 13 3 | 17°33'53 | 3♐34 | 4°13 | 5°58 | 11° 0 | 26°59 | 12°56 | 20°57 | 18°20 | 19°56 | 18°14 | 16°39 | 24°18 | 0°49 |
| T 10 | 5 17 0 | 18°34'54 | 15°57 | 5°40 | 7°10 | 11° 1 | 27° 8 | 12°58 | 20°54 | 18°20 | 19°58 | 18° 4 | 16°36 | 24°25 | 0°49 |
| F 11 | 5 20 56 | 19°35'55 | 28°32 | 7° 7 | 8°21 | 11° 2 | 27°17 | 12°59 | 20°52 | 18°21 | 20° 0 | 17°53 | 16°32 | 24°31 | 0°D49 |
| S 12 | 5 24 53 | 20°36'58 | 11♌21 | 8°33 | 9°32 | 11°R 2 | 27°27 | 13° 1 | 20°50 | 18°21 | 20° 2 | 17°41 | 16°29 | 24°38 | 0°49 |
| S 13 | 5 28 50 | 21°38'01 | 24°21 | 9°57 | 10°44 | 11° 2 | 27°36 | 13° 2 | 20°48 | 18°21 | 20° 3 | 17°30 | 16°26 | 24°44 | 0°49 |
| M 14 | 5 32 46 | 22°39'05 | 7♊34 | 11°19 | 11°55 | 11° 0 | 27°46 | 13° 3 | 20°46 | 18°21 | 20° 5 | 17°20 | 16°23 | 24°51 | 0°49 |
| T 15 | 5 36 43 | 23°40'09 | 20°57 | 12°40 | 13° 7 | 10°58 | 27°56 | 13° 4 | 20°44 | 18°22 | 20° 7 | 17°13 | 16°20 | 24°58 | 0°49 |
| W 16 | 5 40 39 | 24°41'15 | 4♐31 | 13°58 | 14°19 | 10°55 | 28° 6 | 13° 5 | 20°42 | 18°22 | 20° 9 | 17° 9 | 16°16 | 25° 4 | 0°49 |
| T 17 | 5 44 36 | 25°42'21 | 18°16 | 15°14 | 15°31 | 10°51 | 28°16 | 13° 5 | 20°40 | 18°22 | 20°11 | 17° 7 | 16°13 | 25°11 | 0°50 |
| F 18 | 5 48 32 | 26°43'28 | 2♌12 | 16°27 | 16°43 | 10°46 | 28°26 | 13° 6 | 20°38 | 18°22 | 20°13 | 17°D 7 | 16°10 | 25°18 | 0°50 |
| S 19 | 5 52 29 | 27°44'36 | 16°19 | 17°36 | 17°55 | 10°40 | 28°36 | 13° 7 | 20°36 | 18°22 | 20°15 | 17°R 7 | 16° 7 | 25°24 | 0°50 |
| S 20 | 5 56 25 | 28°45'45 | 0♏37 | 18°40 | 19° 7 | 10°34 | 28°47 | 13° 7 | 20°35 | 18°R22 | 20°16 | 17° 7 | 16° 4 | 25°31 | 0°51 |
| M 21 | 6 0 22 | 29°46'54 | 15° 3 | 19°40 | 20°20 | 10°26 | 28°57 | 13° 7 | 20°33 | 18°22 | 20°18 | 17° 4 | 16° 1 | 25°38 | 0°51 |
| T 22 | 6 4 19 | 0♌48'04 | 29°34 | 20°34 | 21°32 | 10°18 | 29° 8 | 13° 7 | 20°31 | 18°22 | 20°20 | 16°59 | 15°57 | 25°44 | 0°52 |
| W 23 | 6 8 15 | 1°49'15 | 14♌ 4 | 21°22 | 22°44 | 10° 9 | 29°19 | 13°R 7 | 20°29 | 18°22 | 20°22 | 16°50 | 15°54 | 25°51 | 0°53 |
| T 24 | 6 12 12 | 2°50'25 | 28°27 | 22° 3 | 23°57 | 9°59 | 29°30 | 13° 7 | 20°28 | 18°22 | 20°24 | 16°39 | 15°51 | 25°58 | 0°53 |
| F 25 | 6 16 8 | 3°51'37 | 12♊37 | 22°35 | 25° 9 | 9°49 | 29°41 | 13° 7 | 20°26 | 18°22 | 20°26 | 16°27 | 15°48 | 26° 4 | 0°54 |
| S 26 | 6 20 5 | 4°52'48 | 26°27 | 22°58 | 26°22 | 9°37 | 29°52 | 13° 7 | 20°24 | 18°21 | 20°28 | 16°14 | 15°45 | 26°11 | 0°55 |
| S 27 | 6 24 1 | 5°53'59 | 9♋55 | 23°12 | 27°35 | 9°25 | 0♋ 3 | 13° 7 | 20°23 | 18°21 | 20°30 | 16° 3 | 15°42 | 26°18 | 0°56 |
| M 28 | 6 27 58 | 6°55'10 | 22°58 | 23°R14 | 28°47 | 9°12 | 0°14 | 13° 6 | 20°21 | 18°21 | 20°32 | 15°54 | 15°38 | 26°24 | 0°57 |
| T 29 | 6 31 54 | 7°56'21 | 5♋38 | 23° 5 | 0♌ 0 | 8°58 | 0°26 | 13° 5 | 20°20 | 18°21 | 20°34 | 15°47 | 15°35 | 26°31 | 0°57 |
| W 30 | 6 35 51 | 8°57'32 | 17°58 | 22°45 | 1°13 | 8°43 | 0°37 | 13° 5 | 20°18 | 18°20 | 20°36 | 15°43 | 15°32 | 26°37 | 0°58 |
| T 31 | 6 39 48 | 9♌58'43 | 0♑ 2 | 22♊12 | 2♌26 | 8♊28 | 0♋49 | 13♐ 4 | 20♊17 | 18♐20 | 20♊38 | 15♏42 | 15♏29 | 26♑44 | 1♑ 0 |

Delta T = 15.40 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [13.11.2015]