

SWISS EPHEMERIS for the year 1769

JANUARY 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|-------------------|--------------------|--------------------|
| S 1 | 6 43 37 | 10 ³ 58'20 | 22 ² 21 | 24 ⁷ 54 | 15 ² 26 | 3 ⁸ 34 | 16 ¹ 47 | 15°R 2 | 3°R29 | 9°R29 | 13 ³ 24 | 3 ³ 4 | 2 ³ 48 | 14 ¹ 15 | 16 ¹ 25 |
| M 2 | 6 47 34 | 11°59'30 | 4 ¹ 13 | 26°22 | 16°40 | 3°55 | 16°57 | 14 ³ 57 | 3 ⁸ 28 | 9 ¹ 28 | 13°26 | 3° 4 | 2°45 | 14°22 | 16°27 |
| T 3 | 6 51 31 | 13° 0'41 | 16° 2 | 27°51 | 17°53 | 4°17 | 17° 7 | 14°52 | 3°28 | 9°27 | 13°29 | 3° 5 | 2°41 | 14°28 | 16°29 |
| W 4 | 6 55 27 | 14° 1'51 | 27°54 | 29°21 | 19° 6 | 4°38 | 17°16 | 14°47 | 3°27 | 9°27 | 13°31 | 3° 6 | 2°38 | 14°35 | 16°31 |
| T 5 | 6 59 24 | 15° 3'02 | 9 ⁷ 51 | 0 ³ 51 | 20°20 | 5° 0 | 17°26 | 14°42 | 3°27 | 9°26 | 13°33 | 3° 8 | 2°35 | 14°42 | 16°33 |
| F 6 | 7 3 20 | 21°10'02 | 25°47 | 21°58 | 2°22 | 21°33 | 5°23 | 17°36 | 14°37 | 3°27 | 9°25 | 13°35 | 3° 8 | 2°32 | 14°48 |
| S 7 | 7 7 17 | 17° 5'23 | 4 ³ 16 | 3°53 | 22°46 | 5°45 | 17°45 | 14°32 | 3°26 | 9°24 | 13°37 | 3°R 9 | 2°29 | 14°55 | 16°37 |
| S 8 | 7 11 13 | 18° 6'34 | 16°48 | 5°24 | 23°59 | 6° 9 | 17°55 | 14°27 | 3°26 | 9°23 | 13°39 | 3° 8 | 2°26 | 15° 2 | 16°40 |
| M 9 | 7 15 10 | 19° 7'44 | 29°33 | 6°56 | 25°12 | 6°32 | 18° 4 | 14°22 | 3°26 | 9°22 | 13°41 | 3° 7 | 2°22 | 15° 8 | 16°42 |
| T 10 | 7 19 6 | 20° 8'53 | 12 ² 33 | 8°29 | 26°25 | 6°56 | 18°13 | 14°18 | 3°26 | 9°22 | 13°43 | 3° 5 | 2°19 | 15°15 | 16°44 |
| W11 | 7 23 3 | 21°10'02 | 25°47 | 10° 2 | 27°38 | 7°20 | 18°22 | 14°13 | 3°D26 | 9°21 | 13°45 | 3° 2 | 2°16 | 15°22 | 16°47 |
| T 12 | 7 27 0 | 22°11'10 | 9 ¹ 13 | 11°35 | 28°51 | 7°44 | 18°31 | 14° 8 | 3°26 | 9°20 | 13°47 | 2°59 | 2°13 | 15°28 | 16°49 |
| F 13 | 7 30 56 | 23°12'18 | 22°52 | 13° 9 | 0 ¹ 4 | 8° 9 | 18°40 | 14° 3 | 3°26 | 9°19 | 13°49 | 2°57 | 2°10 | 15°35 | 16°52 |
| S 14 | 7 34 53 | 24°13'24 | 6 ¹ 41 | 14°44 | 1°17 | 8°34 | 18°49 | 13°58 | 3°26 | 9°17 | 13°51 | 2°55 | 2° 6 | 15°42 | 16°54 |
| S 15 | 7 38 49 | 25°14'30 | 20°40 | 16°19 | 2°30 | 8°59 | 18°57 | 13°53 | 3°26 | 9°16 | 13°53 | 2°D54 | 2° 3 | 15°48 | 16°57 |
| M16 | 7 42 46 | 26°15'35 | 4 ⁸ 48 | 17°54 | 3°43 | 9°25 | 19° 6 | 13°48 | 3°27 | 9°15 | 13°55 | 2°54 | 2° 0 | 15°55 | 16°59 |
| T 17 | 7 46 42 | 27°16'39 | 19° 2 | 19°30 | 4°55 | 9°51 | 19°14 | 13°44 | 3°27 | 9°14 | 13°57 | 2°55 | 1°57 | 16° 2 | 17° 2 |
| W18 | 7 50 39 | 28°17'42 | 3 ¹ 21 | 21° 7 | 6° 8 | 10°17 | 19°23 | 13°39 | 3°27 | 9°13 | 13°59 | 2°57 | 1°54 | 16° 9 | 17° 5 |
| T 19 | 7 54 35 | 29°18'45 | 17°41 | 22°44 | 7°20 | 10°43 | 19°31 | 13°34 | 3°28 | 9°12 | 14° 1 | 2°58 | 1°51 | 16°15 | 17° 8 |
| F 20 | 7 58 32 | 0 ² 19'46 | 2 ⁶ 0 | 24°22 | 8°32 | 11°10 | 19°39 | 13°30 | 3°28 | 9°11 | 14° 3 | 2°R59 | 1°47 | 16°22 | 17°10 |
| S 21 | 8 2 29 | 1°20'46 | 16°12 | 26° 1 | 9°45 | 11°37 | 19°46 | 13°25 | 3°29 | 9° 9 | 14° 5 | 2°58 | 1°44 | 16°29 | 17°13 |
| S 22 | 8 6 25 | 2°21'45 | 0 ¹ 14 | 27°40 | 10°57 | 12° 4 | 19°54 | 13°20 | 3°29 | 9° 8 | 14° 7 | 2°56 | 1°41 | 16°35 | 17°16 |
| M23 | 8 10 22 | 3°22'44 | 14° 1 | 29°19 | 12° 9 | 12°31 | 20° 2 | 13°16 | 3°30 | 9° 7 | 14° 9 | 2°52 | 1°38 | 16°42 | 17°19 |
| T 24 | 8 14 18 | 4°23'41 | 27°30 | 1 ² 0 | 13°21 | 12°59 | 20° 9 | 13°11 | 3°30 | 9° 6 | 14°11 | 2°47 | 1°35 | 16°49 | 17°22 |
| W25 | 8 18 15 | 5°24'38 | 10 ¹ 40 | 2°41 | 14°33 | 13°26 | 20°17 | 13° 7 | 3°31 | 9° 4 | 14°13 | 2°42 | 1°32 | 16°55 | 17°25 |
| T 26 | 8 22 11 | 6°25'34 | 2 ³ 28 | 4°22 | 15°45 | 13°54 | 20°24 | 13° 3 | 3°32 | 9° 3 | 14°15 | 2°36 | 1°28 | 17° 2 | 17°28 |
| F 27 | 8 26 8 | 7°26'29 | 5 ² 58 | 6° 5 | 16°56 | 14°23 | 20°31 | 12°58 | 3°33 | 9° 2 | 14°17 | 2°31 | 1°25 | 17° 9 | 17°31 |
| S 28 | 8 30 4 | 8°27'23 | 18°12 | 7°48 | 18° 8 | 14°51 | 20°38 | 12°54 | 3°34 | 9° 0 | 14°19 | 2°27 | 1°22 | 17°15 | 17°34 |
| S 29 | 8 34 1 | 9°28'17 | 0 ¹ 13 | 9°31 | 19°20 | 15°20 | 20°44 | 12°50 | 3°34 | 8°59 | 14°21 | 2°25 | 1°19 | 17°22 | 17°37 |
| M30 | 8 37 58 | 10°29'09 | 12° 5 | 11°16 | 20°31 | 15°48 | 20°51 | 12°46 | 3°35 | 8°57 | 14°23 | 2°D25 | 1°16 | 17°29 | 17°40 |
| T 31 | 8 41 54 | 11 ² 30'01 | 23 ¹ 15 | 13 ² 1 | 21 ¹ 42 | 16 ¹ 17 | 20 ¹ 15 | 12 ² 42 | 3 ³ 36 | 8 ¹ 56 | 14 ² 25 | 2 ³ 25 | 1 ³ 12 | 17 ¹ 35 | 17 ¹ 43 |

Delta T = 15.17 sec. Greg. Calendar

FEBRUARY 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| W 1 | 8 45 51 | 12 ² 30'52 | 5 ⁷ 47 | 14 ² 47 | 22 ¹ 54 | 16 ¹ 46 | 21 ¹ 4 | 12°R38 | 3 ⁸ 37 | 8°R55 | 14 ³ 27 | 2 ³ 27 | 1 ³ 9 | 17 ¹ 42 | 17 ¹ 46 |
| T 2 | 8 49 47 | 13°31'43 | 17°46 | 16°33 | 24° 5 | 17°16 | 21°10 | 12 ³ 34 | 3°39 | 8 ¹ 53 | 14°28 | 2°29 | 1° 6 | 17°49 | 17°50 |
| F 3 | 8 53 44 | 14°32'32 | 29°57 | 18°20 | 25°16 | 17°45 | 21°16 | 12°30 | 3°40 | 8°52 | 14°30 | 2°R30 | 1° 3 | 17°55 | 17°53 |
| S 4 | 8 57 40 | 15°33'20 | 12 ³ 23 | 20° 8 | 26°27 | 18°15 | 21°22 | 12°26 | 3°41 | 8°50 | 14°32 | 2°29 | 1° 0 | 18° 2 | 17°56 |
| S 5 | 9 1 37 | 16°34'07 | 25° 8 | 21°56 | 27°38 | 18°45 | 21°27 | 12°23 | 3°42 | 8°49 | 14°34 | 2°27 | 0°57 | 18° 9 | 17°59 |
| M 6 | 9 5 34 | 17°34'52 | 8 ² 12 | 23°45 | 28°48 | 19°15 | 21°33 | 12°19 | 3°44 | 8°47 | 14°36 | 2°22 | 0°53 | 18°16 | 18° 3 |
| T 7 | 9 9 30 | 18°35'37 | 21°35 | 25°34 | 29°59 | 19°45 | 21°38 | 12°16 | 3°45 | 8°46 | 14°38 | 2°15 | 0°50 | 18°22 | 18° 6 |
| W 8 | 9 13 27 | 19°36'20 | 5 ¹ 16 | 27°23 | 1 ¹ 9 | 20°15 | 21°43 | 12°12 | 3°46 | 8°44 | 14°39 | 2° 7 | 0°47 | 18°29 | 18° 9 |
| T 9 | 9 17 23 | 20°37'01 | 19°11 | 29°13 | 2°20 | 20°46 | 21°49 | 12° 9 | 3°48 | 8°42 | 14°41 | 1°59 | 0°44 | 18°36 | 18°13 |
| F 10 | 9 21 20 | 21°37'41 | 3 ¹ 16 | 1 ¹ 2 | 3°30 | 21°17 | 21°53 | 12° 6 | 3°49 | 8°41 | 14°43 | 1°51 | 0°41 | 18°42 | 18°16 |
| S 11 | 9 25 16 | 22°38'19 | 17°26 | 2°52 | 4°40 | 21°47 | 21°58 | 12° 2 | 3°51 | 8°39 | 14°45 | 1°45 | 0°38 | 18°49 | 18°20 |
| S 12 | 9 29 13 | 23°38'56 | 1 ⁸ 38 | 4°41 | 5°50 | 22°18 | 22° 3 | 11°59 | 3°52 | 8°38 | 14°46 | 1°40 | 0°34 | 18°56 | 18°23 |
| M13 | 9 33 9 | 24°39'31 | 15°49 | 6°29 | 6°59 | 22°49 | 22° 7 | 11°56 | 3°54 | 8°36 | 14°48 | 1°38 | 0°31 | 19° 2 | 18°27 |
| T 14 | 9 37 6 | 25°40'04 | 29°57 | 8°16 | 8° 9 | 23°21 | 22°11 | 11°53 | 3°56 | 8°34 | 14°50 | 1°D38 | 0°28 | 19° 9 | 18°30 |
| W15 | 9 41 2 | 26°40'35 | 14 ¹ 0 | 10° 2 | 9°18 | 23°52 | 22°15 | 11°51 | 3°58 | 8°33 | 14°51 | 1°39 | 0°25 | 19°16 | 18°34 |
| T 16 | 9 44 59 | 27°41'04 | 27°57 | 11°47 | 10°28 | 24°23 | 22°19 | 11°48 | 3°59 | 8°31 | 14°53 | 1°R39 | 0°22 | 19°22 | 18°37 |
| F 17 | 9 48 56 | 28°41'32 | 11 ³ 49 | 13°29 | 11°37 | 24°55 | 22°23 | 11°45 | 4° 1 | 8°30 | 14°54 | 1°39 | 0°18 | 19°29 | 18°41 |
| S 18 | 9 52 52 | 29°41'57 | 25°33 | 15° 9 | 12°46 | 25°27 | 22°26 | 11°43 | 4° 3 | 8°28 | 14°56 | 1°36 | 0°15 | 19°36 | 18°44 |
| S 19 | 9 56 49 | 0 ¹ 42'21 | 9 ¹ 9 | 16°46 | 13°55 | 25°59 | 22°30 | 11°40 | 4° 5 | 8°26 | 14°58 | 1°31 | 0°12 | 19°42 | 18°48 |
| M20 | 10 0 45 | 1°42'43 | 22°33 | 18°19 | 15° 3 | 26°30 | 22°33 | 11°38 | 4° 7 | 8°25 | 14°59 | 1°24 | 0° 9 | 19°49 | 18°51 |
| T 21 | 10 4 42 | 2°43'03 | 5 ¹ 45 | 19°48 | 16°12 | 27° 2 | 22°36 | 11°36 | 4° 9 | 8°23 | 15° 1 | 1°13 | 0° 6 | 19°56 | 18°55 |
| W22 | 10 8 38 | 3°43'21 | 18°42 | 21°12 | 17°20 | 27°35 | 22°39 | 11°34 | 4°11 | 8°21 | 15° 2 | 1° 2 | 0° 3 | 20° 2 | 18°59 |
| T 23 | 10 12 35 | 4°43'38 | 1 ² 23 | 22°31 | 18°28 | 28° 7 | 22°41 | 11°32 | 4°13 | 8°20 | 15° 4 | 0°50 | 29 ¹ 59 | 20° 9 | 19° 2 |
| F 24 | 10 16 31 | 5°43'53 | 13°49 | 23°44 | 19°36 | 28°39 | 22°44 | 11°30 | 4°15 | 8°18 | 15° 5 | 0°40 | 29°56 | 20°16 | 19° 6 |
| S 25 | 10 20 28 | 6°44'07 | 26° 1 | 24°49 | 20°43 | 29°12 | 22°46 | 11°28 | 4°17 | 8°16 | 15° 7 | 0°30 | 29°53 | 20°22 | 19°10 |
| S 26 | 10 24 25 | 7°44'19 | 8 ¹ 1 | 25°48 | 21°51 | 29°44 | 22°48 | 11°27 | 4°20 | 8°15 | 15° 8 | 0°24 | 29°50 | 20°29 | 19°13 |
| M27 | 10 28 21 | 8°44'29 | 19°53 | 26°39 | 22°58 | 0 ¹ 17 | 22°50 | 11°25 | 4°22 | 8°13 | 15° 9 | 0°20 | 29°47 | 20°36 | 19°17 |
| T 28 | 10 32 18 | 9 ¹ 44'38 | 1 ⁷ 42 | 27 ¹ 22 | 24 ¹ 5 | 0 ¹ 50 | 22 ¹ 15 | 11 ² 23 | 4 ² 24 | 8 ¹ 11 | 15 ³ 11 | 0 ³ 18 | 29 ¹ 43 | 20 ¹ 42 | 19 ¹ 21 |

Delta T = 15.17 sec. Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodiens AG [5.1.2003]

SWISS EPHEMERIS for the year 1769

MARCH 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|--------|-------|-------|--------|--------|------|-------|-------|-------|-------|-------|-------|---|---|
| W 1 | 10 36 14 | 10♌44'46 | 13♌33 | 27♌56 | 25♍12 | 1♎22 | 22♎53 | 11°R22 | 4♏26 | 8°R10 | 15♏12 | 0♐17 | 29♐40 | 20♑49 | 19♒24 | | |
| T 2 | 10 40 11 | 11°44'51 | 25°32 | 28°21 | 26°19 | 1°55 | 22°55 | 11♎21 | 4°29 | 8♏ 8 | 15°13 | 0°R18 | 29°37 | 20°56 | 19°28 | | |
| F 3 | 10 44 7 | 12°44'56 | 7♏42 | 28°37 | 27°25 | 2°28 | 22°56 | 11°20 | 4°31 | 8° 6 | 15°15 | 0°18 | 29°34 | 21° 2 | 19°32 | | |
| S 4 | 10 48 4 | 13°44'58 | 20°11 | 28°R44 | 28°31 | 3° 1 | 22°57 | 11°19 | 4°34 | 8° 5 | 15°16 | 0°16 | 29°31 | 21° 9 | 19°35 | | |
| S 5 | 10 52 0 | 14°44'59 | 3♎ 2 | 28°42 | 29°37 | 3°34 | 22°58 | 11°18 | 4°36 | 8° 3 | 15°17 | 0°12 | 29°28 | 21°16 | 19°39 | | |
| M 6 | 10 55 57 | 15°44'58 | 16°17 | 28°30 | 0♏43 | 4° 8 | 22°58 | 11°17 | 4°39 | 8° 1 | 15°18 | 0° 5 | 29°24 | 21°22 | 19°43 | | |
| T 7 | 10 59 54 | 16°44'55 | 29°56 | 28°11 | 1°48 | 4°41 | 22°59 | 11°16 | 4°41 | 8° 0 | 15°20 | 29♐56 | 29°21 | 21°29 | 19°47 | | |
| W 8 | 11 3 50 | 17°44'51 | 13♌59 | 27°43 | 2°53 | 5°14 | 22°59 | 11°16 | 4°44 | 7°58 | 15°21 | 29°45 | 29°18 | 21°36 | 19°50 | | |
| T 9 | 11 7 47 | 18°44'44 | 28°20 | 27° 9 | 3°58 | 5°48 | 22°R59 | 11°15 | 4°46 | 7°56 | 15°22 | 29°32 | 29°15 | 21°43 | 19°54 | | |
| F 10 | 11 11 43 | 19°44'36 | 12♍53 | 26°27 | 5° 3 | 6°22 | 22°59 | 11°15 | 4°49 | 7°55 | 15°23 | 29°21 | 29°12 | 21°49 | 19°58 | | |
| S 11 | 11 15 40 | 20°44'25 | 27°31 | 25°41 | 6° 7 | 6°55 | 22°58 | 11°15 | 4°52 | 7°53 | 15°24 | 29°11 | 29° 9 | 21°56 | 20° 1 | | |
| S 12 | 11 19 36 | 21°44'12 | 12♌ 6 | 24°50 | 7°11 | 7°29 | 22°58 | 11°15 | 4°54 | 7°51 | 15°25 | 29° 4 | 29° 5 | 22° 3 | 20° 5 | | |
| M13 | 11 23 33 | 22°43'57 | 26°34 | 23°57 | 8°15 | 8° 3 | 22°57 | 11°D14 | 4°57 | 7°50 | 15°26 | 29° 0 | 29° 2 | 22° 9 | 20° 9 | | |
| T 14 | 11 27 29 | 23°43'40 | 10♎49 | 23° 1 | 9°19 | 8°37 | 22°56 | 11°15 | 5° 0 | 7°48 | 15°27 | 28°58 | 28°59 | 22°16 | 20°13 | | |
| W15 | 11 31 26 | 24°43'21 | 24°51 | 22° 5 | 10°22 | 9°10 | 22°55 | 11°15 | 5° 3 | 7°47 | 15°28 | 28°58 | 28°56 | 22°23 | 20°16 | | |
| T 16 | 11 35 23 | 25°42'59 | 8♏40 | 21° 9 | 11°25 | 9°44 | 22°54 | 11°15 | 5° 5 | 7°45 | 15°29 | 28°58 | 28°53 | 22°29 | 20°20 | | |
| F 17 | 11 39 19 | 26°42'35 | 22°15 | 20°15 | 12°27 | 10°18 | 22°52 | 11°16 | 5° 8 | 7°44 | 15°30 | 28°56 | 28°49 | 22°36 | 20°24 | | |
| S 18 | 11 43 16 | 27°42'08 | 5♏39 | 19°24 | 13°29 | 10°53 | 22°51 | 11°16 | 5°11 | 7°42 | 15°31 | 28°53 | 28°46 | 22°43 | 20°27 | | |
| S 19 | 11 47 12 | 28°41'39 | 18°51 | 18°37 | 14°31 | 11°27 | 22°49 | 11°17 | 5°14 | 7°40 | 15°32 | 28°47 | 28°43 | 22°49 | 20°31 | | |
| M20 | 11 51 9 | 29°41'08 | 1♎52 | 17°54 | 15°32 | 12° 1 | 22°47 | 11°17 | 5°17 | 7°39 | 15°33 | 28°37 | 28°40 | 22°56 | 20°35 | | |
| T 21 | 11 55 5 | 0♍40'35 | 14°43 | 17°15 | 16°33 | 12°35 | 22°44 | 11°18 | 5°20 | 7°37 | 15°33 | 28°25 | 28°37 | 23° 3 | 20°39 | | |
| W22 | 11 59 2 | 1°39'59 | 27°22 | 16°43 | 17°34 | 13° 9 | 22°42 | 11°19 | 5°23 | 7°36 | 15°34 | 28°12 | 28°34 | 23° 9 | 20°42 | | |
| T 23 | 12 2 58 | 2°39'22 | 9♏49 | 16°15 | 18°34 | 13°44 | 22°40 | 11°20 | 5°26 | 7°34 | 15°35 | 27°58 | 28°30 | 23°16 | 20°46 | | |
| F 24 | 12 6 55 | 3°38'42 | 22° 5 | 15°54 | 19°34 | 14°18 | 22°37 | 11°22 | 5°29 | 7°33 | 15°36 | 27°45 | 28°27 | 23°23 | 20°50 | | |
| S 25 | 12 10 52 | 4°38'01 | 4♎10 | 15°38 | 20°33 | 14°53 | 22°34 | 11°23 | 5°32 | 7°31 | 15°36 | 27°34 | 28°24 | 23°29 | 20°53 | | |
| S 26 | 12 14 48 | 5°37'18 | 16° 7 | 15°28 | 21°32 | 15°27 | 22°31 | 11°24 | 5°35 | 7°30 | 15°37 | 27°25 | 28°21 | 23°36 | 20°57 | | |
| M27 | 12 18 45 | 6°36'32 | 27°57 | 15°D24 | 22°31 | 16° 2 | 22°27 | 11°26 | 5°38 | 7°29 | 15°38 | 27°19 | 28°18 | 23°43 | 21° 0 | | |
| T 28 | 12 22 41 | 7°35'45 | 9♌45 | 15°26 | 23°29 | 16°36 | 22°24 | 11°28 | 5°42 | 7°27 | 15°38 | 27°16 | 28°15 | 23°49 | 21° 4 | | |
| W29 | 12 26 38 | 8°34'57 | 21°35 | 15°33 | 24°26 | 17°11 | 22°20 | 11°29 | 5°45 | 7°26 | 15°39 | 27°15 | 28°11 | 23°56 | 21° 8 | | |
| T 30 | 12 30 34 | 9°34'06 | 3♏32 | 15°46 | 25°23 | 17°46 | 22°17 | 11°31 | 5°48 | 7°24 | 15°39 | 27°15 | 28° 8 | 24° 3 | 21°11 | | |
| F 31 | 12 34 31 | 10♍33'14 | 15♏41 | 16♌ 3 | 26♏20 | 18♎20 | 22♎13 | 11♎33 | 5♏51 | 7♎23 | 15♏40 | 27♐15 | 28♐ 5 | 24♑ 9 | 21♒15 | | |

Delta T = 15.18 sec. Greg. Calendar

APRIL 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|------|-------|--------|--------|-------|-------|-------|---|---|
| S 1 | 12 38 27 | 11♍32'19 | 28♏ 8 | 16♌26 | 27♏16 | 18♎55 | 22°R 9 | 11♎35 | 5♏54 | 7°R22 | 15♏41 | 27°R13 | 28♐ 2 | 24♑16 | 21♒18 | | |
| S 2 | 12 42 24 | 12°31'23 | 10♎57 | 16°53 | 28°11 | 19°30 | 22♎ 4 | 11°37 | 5°57 | 7♎20 | 15°41 | 27♐10 | 27°59 | 24°23 | 21°22 | | |
| M 3 | 12 46 21 | 13°30'26 | 24°14 | 17°24 | 29° 6 | 20° 5 | 22° 0 | 11°40 | 6° 1 | 7°19 | 15°41 | 27° 5 | 27°55 | 24°29 | 21°25 | | |
| T 4 | 12 50 17 | 14°29'26 | 7♌58 | 18° 0 | 0♎ 0 | 20°40 | 21°55 | 11°42 | 6° 4 | 7°18 | 15°42 | 26°57 | 27°52 | 24°36 | 21°29 | | |
| W 5 | 12 54 14 | 15°28'24 | 22°10 | 18°39 | 0°54 | 21°15 | 21°50 | 11°44 | 6° 7 | 7°17 | 15°42 | 26°47 | 27°49 | 24°43 | 21°32 | | |
| T 6 | 12 58 10 | 16°27'21 | 6♍46 | 19°23 | 1°47 | 21°50 | 21°46 | 11°47 | 6°11 | 7°15 | 15°42 | 26°36 | 27°46 | 24°49 | 21°36 | | |
| F 7 | 13 2 7 | 17°26'15 | 21°39 | 20°10 | 2°39 | 22°25 | 21°40 | 11°50 | 6°14 | 7°14 | 15°43 | 26°26 | 27°43 | 24°56 | 21°39 | | |
| S 8 | 13 6 3 | 18°25'08 | 6♌39 | 21° 0 | 3°31 | 23° 0 | 21°35 | 11°52 | 6°17 | 7°13 | 15°43 | 26°17 | 27°40 | 25° 3 | 21°43 | | |
| S 9 | 13 10 0 | 19°23'59 | 21°38 | 21°53 | 4°22 | 23°35 | 21°30 | 11°55 | 6°21 | 7°12 | 15°43 | 26°10 | 27°36 | 25° 9 | 21°46 | | |
| M10 | 13 13 56 | 20°22'47 | 6♎27 | 22°50 | 5°12 | 24°10 | 21°24 | 11°58 | 6°24 | 7°11 | 15°44 | 26° 7 | 27°33 | 25°16 | 21°50 | | |
| T 11 | 13 17 53 | 21°21'33 | 21° 0 | 23°49 | 6° 1 | 24°46 | 21°19 | 12° 1 | 6°27 | 7°10 | 15°44 | 26°D 5 | 27°30 | 25°23 | 21°53 | | |
| W12 | 13 21 49 | 22°20'17 | 5♏13 | 24°51 | 6°50 | 25°21 | 21°13 | 12° 5 | 6°31 | 7° 9 | 15°44 | 26° 5 | 27°27 | 25°29 | 21°56 | | |
| T 13 | 13 25 46 | 23°18'59 | 19° 5 | 25°56 | 7°38 | 25°56 | 21° 7 | 12° 8 | 6°34 | 7° 7 | 15°44 | 26°R 6 | 27°24 | 25°36 | 22° 0 | | |
| F 14 | 13 29 43 | 24°17'38 | 2♏38 | 27° 3 | 8°25 | 26°31 | 21° 1 | 12°11 | 6°37 | 7° 6 | 15°44 | 26° 6 | 27°21 | 25°43 | 22° 3 | | |
| S 15 | 13 33 39 | 25°16'15 | 15°53 | 28°13 | 9°11 | 27° 7 | 20°55 | 12°15 | 6°41 | 7° 5 | 15°44 | 26° 4 | 27°17 | 25°49 | 22° 6 | | |
| S 16 | 13 37 36 | 26°14'50 | 28°51 | 29°25 | 9°56 | 27°42 | 20°49 | 12°18 | 6°44 | 7° 4 | 15°44 | 25°59 | 27°14 | 25°56 | 22° 9 | | |
| M17 | 13 41 32 | 27°13'23 | 11♎36 | 0♍40 | 10°40 | 28°17 | 20°42 | 12°22 | 6°48 | 7° 4 | 15°R44 | 25°53 | 27°11 | 26° 3 | 22°12 | | |
| T 18 | 13 45 29 | 28°11'53 | 24° 9 | 1°56 | 11°23 | 28°53 | 20°36 | 12°26 | 6°51 | 7° 3 | 15°44 | 25°44 | 27° 8 | 26° 9 | 22°16 | | |
| W19 | 13 49 25 | 29°10'22 | 6♏31 | 3°15 | 12° 5 | 29°28 | 20°29 | 12°30 | 6°55 | 7° 2 | 15°44 | 25°34 | 27° 5 | 26°16 | 22°19 | | |
| T 20 | 13 53 22 | 0♌ 8'48 | 18°44 | 4°36 | 12°46 | 0♏ 4 | 20°23 | 12°34 | 6°58 | 7° 1 | 15°44 | 25°23 | 27° 1 | 26°23 | 22°22 | | |
| F 21 | 13 57 18 | 1° 7'13 | 0♎48 | 5°59 | 13°26 | 0°39 | 20°16 | 12°38 | 7° 1 | 7° 0 | 15°44 | 25°13 | 26°58 | 26°29 | 22°25 | | |
| S 22 | 14 1 15 | 2° 5'35 | 12°46 | 7°24 | 14° 5 | 1°15 | 20° 9 | 12°42 | 7° 5 | 6°59 | 15°44 | 25° 5 | 26°55 | 26°36 | 22°28 | | |
| S 23 | 14 5 12 | 3° 3'56 | 24°37 | 8°50 | 14°43 | 1°50 | 20° 2 | 12°46 | 7° 8 | 6°58 | 15°44 | 24°58 | 26°52 | 26°43 | 22°31 | | |
| M24 | 14 9 8 | 4° 2'15 | 6♌26 | 10°19 | 15°19 | 2°26 | 19°55 | 12°50 | 7°12 | 6°58 | 15°43 | 24°54 | 26°49 | 26°49 | 22°34 | | |
| T 25 | 14 13 5 | 5° 0'33 | 18°14 | 11°50 | 15°54 | 3° 2 | 19°48 | 12°54 | 7°15 | 6°57 | 15°43 | 24°52 | 26°46 | 26°56 | 22°37 | | |
| W26 | 14 17 1 | 5°58'49 | 0♏ 4 | 13°22 | 16°28 | 3°37 | 19°41 | 12°59 | 7°19 | 6°56 | 15°43 | 24°D52 | 26°42 | 27° 3 | 22°40 | | |
| T 27 | 14 20 58 | 6°57'03 | 12° 2 | 14°57 | 17° 0 | 4°13 | 19°34 | 13° 3 | 7°22 | 6°56 | 15°43 | 24°53 | 26°39 | 27° 9 | 22°43 | | |
| F 28 | 14 24 54 | 7°55'16 | 24°11 | 16°33 | 17°31 | 4°49 | 19°26 | 13° 8 | 7°26 | 6°55 | 15°42 | 24°54 | 26°36 | 27°16 | 22°46 | | |
| S 29 | 14 28 51 | 8°53'27 | 6♎36 | 18°12 | 18° 0 | 5°24 | 19°19 | 13°13 | 7°29 | 6°54 | 15°42 | 24°R55 | 26°33 | 27°23 | 22°49 | | |
| S 30 | 14 32 47 | 9♌51'37 | 19♎23 | 19♍52 | 18♎28 | 6♏ 0 | 19♎12 | 13♏18 | 7♏33 | 6♎54 | 15♏42 | 24♐55 | 26♐30 | 27♑29 | 22♒51 | | |

Delta T = 15.18 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [5.1.2003]

SWISS EPHEMERIS for the year 1769

MAY 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|-----|----------|----------|-------|-------|--------|-------|--------|-------|------|-------|--------|--------|-------|-------|-------|---|---|
| M 1 | 14 36 44 | 10♃49'45 | 2♂35 | 21♃34 | 18♁54 | 6♁36 | 19°R 4 | 13♁22 | 7♂36 | 6°R53 | 15°R41 | 24°R53 | 26♂26 | 27♁36 | 22♂54 | | |
| T 2 | 14 40 41 | 11°47'52 | 16°15 | 23°18 | 19°19 | 7°12 | 18♁57 | 13°27 | 7°39 | 6♁53 | 15♁41 | 24♂49 | 26°23 | 27°43 | 22°57 | | |
| W 3 | 14 44 37 | 12°45'58 | 0♃24 | 25° 3 | 19°42 | 7°47 | 18°49 | 13°32 | 7°43 | 6°52 | 15°40 | 24°43 | 26°20 | 27°49 | 23° 0 | | |
| T 4 | 14 48 34 | 13°44'02 | 14°59 | 26°51 | 20° 3 | 8°23 | 18°41 | 13°37 | 7°46 | 6°52 | 15°40 | 24°37 | 26°17 | 27°56 | 23° 2 | | |
| F 5 | 14 52 30 | 14°42'04 | 29°56 | 28°40 | 20°22 | 8°59 | 18°34 | 13°43 | 7°50 | 6°51 | 15°39 | 24°31 | 26°14 | 28° 3 | 23° 5 | | |
| S 6 | 14 56 27 | 15°40'05 | 15♂ 5 | 0♂32 | 20°39 | 9°35 | 18°26 | 13°48 | 7°53 | 6°51 | 15°39 | 24°26 | 26°11 | 28° 9 | 23° 7 | | |
| S 7 | 15 0 23 | 16°38'05 | 0♁18 | 2°25 | 20°55 | 10°11 | 18°19 | 13°53 | 7°57 | 6°51 | 15°38 | 24°22 | 26° 7 | 28°16 | 23°10 | | |
| M 8 | 15 4 20 | 17°36'03 | 15°23 | 4°20 | 21° 8 | 10°47 | 18°11 | 13°59 | 8° 0 | 6°50 | 15°38 | 24°21 | 26° 4 | 28°23 | 23°12 | | |
| T 9 | 15 8 16 | 18°33'59 | 0♁13 | 6°17 | 21°19 | 11°23 | 18° 3 | 14° 4 | 8° 4 | 6°50 | 15°37 | 24°D20 | 26° 1 | 28°29 | 23°15 | | |
| W10 | 15 12 13 | 19°31'53 | 14°41 | 8°16 | 21°28 | 11°59 | 17°56 | 14°10 | 8° 7 | 6°50 | 15°36 | 24°21 | 25°58 | 28°36 | 23°17 | | |
| T11 | 15 16 10 | 20°29'46 | 28°46 | 10°16 | 21°35 | 12°35 | 17°48 | 14°15 | 8°10 | 6°49 | 15°36 | 24°23 | 25°55 | 28°43 | 23°20 | | |
| F12 | 15 20 6 | 21°27'37 | 12♁25 | 12°19 | 21°40 | 13°11 | 17°40 | 14°21 | 8°14 | 6°49 | 15°35 | 24°24 | 25°52 | 28°49 | 23°22 | | |
| S13 | 15 24 3 | 22°25'26 | 25°41 | 14°23 | 21°R42 | 13°47 | 17°33 | 14°27 | 8°17 | 6°49 | 15°34 | 24°R24 | 25°48 | 28°56 | 23°24 | | |
| S14 | 15 27 59 | 23°23'13 | 8♁36 | 16°28 | 21°42 | 14°23 | 17°25 | 14°32 | 8°21 | 6°49 | 15°34 | 24°23 | 25°45 | 29° 3 | 23°26 | | |
| M15 | 15 31 56 | 24°20'59 | 21°14 | 18°35 | 21°40 | 14°59 | 17°18 | 14°38 | 8°24 | 6°49 | 15°33 | 24°21 | 25°42 | 29° 9 | 23°29 | | |
| T16 | 15 35 52 | 25°18'43 | 3♁36 | 20°43 | 21°35 | 15°35 | 17°10 | 14°44 | 8°27 | 6°49 | 15°32 | 24°17 | 25°39 | 29°16 | 23°31 | | |
| W17 | 15 39 49 | 26°16'25 | 15°47 | 22°53 | 21°28 | 16°11 | 17° 3 | 14°50 | 8°31 | 6°49 | 15°31 | 24°13 | 25°36 | 29°22 | 23°33 | | |
| T18 | 15 43 45 | 27°14'06 | 27°49 | 25° 3 | 21°18 | 16°48 | 16°55 | 14°56 | 8°34 | 6°D49 | 15°30 | 24° 8 | 25°32 | 29°29 | 23°35 | | |
| F19 | 15 47 42 | 28°11'45 | 9♁45 | 27°14 | 21° 6 | 17°24 | 16°48 | 15° 2 | 8°37 | 6°49 | 15°29 | 24° 4 | 25°29 | 29°36 | 23°37 | | |
| S20 | 15 51 39 | 29° 9'23 | 21°36 | 29°25 | 20°51 | 18° 0 | 16°40 | 15° 8 | 8°41 | 6°49 | 15°29 | 24° 0 | 25°26 | 29°42 | 23°39 | | |
| S21 | 15 55 35 | 0♁ 7'00 | 3♂25 | 1♁37 | 20°34 | 18°36 | 16°33 | 15°15 | 8°44 | 6°49 | 15°28 | 23°58 | 25°23 | 29°49 | 23°41 | | |
| M22 | 15 59 32 | 1° 4'36 | 15°13 | 3°49 | 20°15 | 19°12 | 16°26 | 15°21 | 8°47 | 6°49 | 15°27 | 23°56 | 25°20 | 29°56 | 23°43 | | |
| T23 | 16 3 28 | 2° 2'10 | 27° 4 | 6° 0 | 19°53 | 19°49 | 16°19 | 15°27 | 8°50 | 6°49 | 15°26 | 23°D56 | 25°17 | 0♂ 2 | 23°45 | | |
| W24 | 16 7 25 | 2°59'44 | 8♂59 | 8°11 | 19°29 | 20°25 | 16°12 | 15°34 | 8°54 | 6°49 | 15°25 | 23°57 | 25°13 | 0° 9 | 23°46 | | |
| T25 | 16 11 21 | 3°57'16 | 21° 2 | 10°21 | 19° 4 | 21° 1 | 16° 5 | 15°40 | 8°57 | 6°50 | 15°24 | 23°58 | 25°10 | 0°16 | 23°48 | | |
| F26 | 16 15 18 | 4°54'48 | 3♁16 | 12°30 | 18°36 | 21°38 | 15°58 | 15°47 | 9° 0 | 6°50 | 15°23 | 24° 0 | 25° 7 | 0°22 | 23°50 | | |
| S27 | 16 19 14 | 5°52'18 | 15°45 | 14°37 | 18° 6 | 22°14 | 15°51 | 15°53 | 9° 3 | 6°50 | 15°22 | 24° 1 | 25° 4 | 0°29 | 23°52 | | |
| S28 | 16 23 11 | 6°49'48 | 28°32 | 16°43 | 17°35 | 22°50 | 15°44 | 16° 0 | 9° 6 | 6°50 | 15°21 | 24° 2 | 25° 1 | 0°36 | 23°53 | | |
| M29 | 16 27 8 | 7°47'17 | 11♂41 | 18°47 | 17° 2 | 23°27 | 15°38 | 16° 6 | 9° 9 | 6°51 | 15°20 | 24°R 2 | 24°58 | 0°42 | 23°55 | | |
| T30 | 16 31 4 | 8°44'45 | 25°14 | 20°49 | 16°28 | 24° 3 | 15°31 | 16°13 | 9°13 | 6°51 | 15°18 | 24° 1 | 24°54 | 0°49 | 23°56 | | |
| W31 | 16 35 1 | 9♁42'12 | 9♃13 | 22♁49 | 15♁52 | 24♁39 | 15♁25 | 16♁20 | 9♂16 | 6♁52 | 15♁17 | 24♂ 0 | 24♂51 | 0♂56 | 23♂58 | | |

Delta T = 15.18 sec. Greg. Calendar

JUNE 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|-----|----------|----------|-------|-------|--------|-------|--------|-------|-------|------|--------|--------|-------|------|--------|---|---|
| T 1 | 16 38 57 | 10♁39'39 | 23♃38 | 24♁47 | 15°R16 | 25♁16 | 15°R18 | 16♁27 | 9♂19 | 6♁52 | 15°R16 | 23°R59 | 24♂48 | 1♂ 2 | 23♂59 | | |
| F 2 | 16 42 54 | 11°37'05 | 8♂24 | 26°42 | 14♁39 | 25°52 | 15♁12 | 16°34 | 9°22 | 6°52 | 15♁15 | 23♂57 | 24°45 | 1° 9 | 24° 0 | | |
| S 3 | 16 46 50 | 12°34'30 | 23°26 | 28°36 | 14° 2 | 26°29 | 15° 6 | 16°40 | 9°25 | 6°53 | 15°14 | 23°56 | 24°42 | 1°16 | 24° 2 | | |
| S 4 | 16 50 47 | 13°31'55 | 8♁36 | 0♁26 | 13°24 | 27° 5 | 15° 0 | 16°47 | 9°28 | 6°54 | 15°13 | 23°55 | 24°38 | 1°22 | 24° 3 | | |
| M 5 | 16 54 43 | 14°29'19 | 23°44 | 2°14 | 12°47 | 27°42 | 14°54 | 16°54 | 9°31 | 6°54 | 15°12 | 23°D55 | 24°35 | 1°29 | 24° 4 | | |
| T 6 | 16 58 40 | 15°26'42 | 8♁42 | 4° 0 | 12° 9 | 28°18 | 14°48 | 17° 1 | 9°34 | 6°55 | 15°10 | 23°55 | 24°32 | 1°36 | 24° 5 | | |
| W 7 | 17 2 37 | 16°24'05 | 23°21 | 5°43 | 11°33 | 28°55 | 14°43 | 17° 8 | 9°37 | 6°55 | 15° 9 | 23°56 | 24°29 | 1°42 | 24° 6 | | |
| T 8 | 17 6 33 | 17°21'26 | 7♁36 | 7°24 | 10°57 | 29°31 | 14°37 | 17°16 | 9°40 | 6°56 | 15° 8 | 23°56 | 24°26 | 1°49 | 24° 7 | | |
| F 9 | 17 10 30 | 18°18'46 | 21°25 | 9° 2 | 10°21 | 0♁ 8 | 14°32 | 17°23 | 9°43 | 6°57 | 15° 7 | 23°57 | 24°23 | 1°56 | 24° 8 | | |
| S10 | 17 14 26 | 19°16'05 | 4♁48 | 10°37 | 9°47 | 0°45 | 14°27 | 17°30 | 9°45 | 6°57 | 15° 5 | 23°57 | 24°19 | 2° 2 | 24° 9 | | |
| S11 | 17 18 23 | 20°13'23 | 17°46 | 12°10 | 9°15 | 1°21 | 14°22 | 17°37 | 9°48 | 6°58 | 15° 4 | 23°R57 | 24°16 | 2° 9 | 24°10 | | |
| M12 | 17 22 19 | 21°10'40 | 0♁23 | 13°40 | 8°44 | 1°58 | 14°17 | 17°44 | 9°51 | 6°59 | 15° 3 | 23°57 | 24°13 | 2°16 | 24°11 | | |
| T13 | 17 26 16 | 22° 7'57 | 12°42 | 15° 7 | 8°14 | 2°35 | 14°12 | 17°52 | 9°54 | 7° 0 | 15° 1 | 23°57 | 24°10 | 2°22 | 24°12 | | |
| W14 | 17 30 12 | 23° 5'12 | 24°48 | 16°32 | 7°47 | 3°11 | 14° 7 | 17°59 | 9°57 | 7° 1 | 15° 0 | 23°57 | 24° 7 | 2°29 | 24°13 | | |
| T15 | 17 34 9 | 24° 2'27 | 6♁45 | 17°53 | 7°21 | 3°48 | 14° 3 | 18° 6 | 9°59 | 7° 2 | 14°59 | 23°D57 | 24° 4 | 2°36 | 24°13 | | |
| F16 | 17 38 6 | 24°59'41 | 18°35 | 19°13 | 6°58 | 4°25 | 13°59 | 18°14 | 10° 2 | 7° 3 | 14°57 | 23°57 | 24° 0 | 2°42 | 24°14 | | |
| S17 | 17 42 2 | 25°56'55 | 0♂24 | 20°29 | 6°36 | 5° 1 | 13°54 | 18°21 | 10° 5 | 7° 3 | 14°56 | 23°57 | 23°57 | 2°49 | 24°14 | | |
| S18 | 17 45 59 | 26°54'08 | 12°12 | 21°42 | 6°17 | 5°38 | 13°50 | 18°28 | 10° 7 | 7° 4 | 14°55 | 23°57 | 23°54 | 2°56 | 24°15 | | |
| M19 | 17 49 55 | 27°51'21 | 24° 4 | 22°53 | 6° 1 | 6°15 | 13°47 | 18°36 | 10°10 | 7° 5 | 14°53 | 23°R57 | 23°51 | 3° 2 | 24°15 | | |
| T20 | 17 53 52 | 28°48'33 | 6♂ 2 | 24° 0 | 5°46 | 6°52 | 13°43 | 18°43 | 10°12 | 7° 6 | 14°52 | 23°57 | 23°48 | 3° 9 | 24°16 | | |
| W21 | 17 57 48 | 29°45'45 | 18° 7 | 25° 4 | 5°35 | 7°28 | 13°39 | 18°51 | 10°15 | 7° 8 | 14°50 | 23°57 | 23°44 | 3°16 | 24°16 | | |
| T22 | 18 1 45 | 0♁42'57 | 0♁21 | 26° 6 | 5°25 | 8° 5 | 13°36 | 18°58 | 10°17 | 7° 9 | 14°49 | 23°56 | 23°41 | 3°22 | 24°16 | | |
| F23 | 18 5 42 | 1°40'08 | 12°47 | 27° 4 | 5°18 | 8°42 | 13°33 | 19° 6 | 10°20 | 7°10 | 14°47 | 23°55 | 23°38 | 3°29 | 24°17 | | |
| S24 | 18 9 38 | 2°37'19 | 25°26 | 27°58 | 5°13 | 9°19 | 13°30 | 19°13 | 10°22 | 7°11 | 14°46 | 23°54 | 23°35 | 3°35 | 24°17 | | |
| S25 | 18 13 35 | 3°34'31 | 8♂20 | 28°49 | 5°D11 | 9°56 | 13°27 | 19°21 | 10°25 | 7°12 | 14°45 | 23°53 | 23°32 | 3°42 | 24°17 | | |
| M26 | 18 17 31 | 4°31'42 | 21°32 | 29°37 | 5°11 | 10°33 | 13°25 | 19°29 | 10°27 | 7°13 | 14°43 | 23°52 | 23°29 | 3°49 | 24°17 | | |
| T27 | 18 21 28 | 5°28'54 | 5♃ 3 | 0♁21 | 5°13 | 11°10 | 13°22 | 19°36 | 10°29 | 7°15 | 14°42 | 23°D52 | 23°25 | 3°55 | 24°R17 | | |
| W28 | 18 25 24 | 6°26'05 | 18°54 | 1° 1 | 5°18 | 11°47 | 13°20 | 19°44 | 10°32 | 7°16 | 14°40 | 23°52 | 23°22 | 4° 2 | 24°17 | | |
| T29 | 18 29 21 | 7°23'17 | 3♂ 5 | 1°38 | 5°25 | 12°24 | 13°18 | 19°51 | 10°34 | 7°17 | 14°39 | 23°53 | 23°19 | 4° 9 | 24°17 | | |
| F30 | 18 33 17 | 8♁20'30 | 17♂35 | 2♁10 | 5♁34 | 13♁ 1 | 13♁16 | 19♁59 | 10♂36 | 7♁18 | 14♁37 | 23♂54 | 23♂16 | 4♂15 | 24♂17 | | |

Delta T = 15.18 sec. Greg. Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [5.1.2003]

SWISS EPHEMERIS for the year 1769

JULY 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|--------|-------|-------|--------|-------|-------|------|--------|--------|-------|------|--------|
| S 1 | 18 37 14 | 9♄17'42 | 2♂19 | 2♂38 | 5♂45 | 13♂38 | 13°R14 | 20♄ 7 | 10♄38 | 7♂20 | 14°R36 | 23♄55 | 23♄13 | 4♄22 | 24°R17 |
| S 2 | 18 41 11 | 10°14'55 | 17°12 | 3° 2 | 5°58 | 14°15 | 13♂12 | 20°15 | 10°40 | 7°21 | 14♄34 | 23°R56 | 23°10 | 4°29 | 24♄16 |
| M 3 | 18 45 7 | 11°12'08 | 2♄ 8 | 3°21 | 6°13 | 14°52 | 13°11 | 20°22 | 10°43 | 7°22 | 14°33 | 23°56 | 23° 6 | 4°35 | 24°16 |
| T 4 | 18 49 4 | 12° 9'21 | 16°58 | 3°36 | 6°30 | 15°29 | 13°10 | 20°30 | 10°45 | 7°24 | 14°31 | 23°55 | 23° 3 | 4°42 | 24°16 |
| W 5 | 18 53 0 | 13° 6'34 | 1♂35 | 3°47 | 6°49 | 16° 6 | 13° 9 | 20°38 | 10°47 | 7°25 | 14°30 | 23°53 | 23° 0 | 4°49 | 24°15 |
| T 6 | 18 56 57 | 14° 3'47 | 15°53 | 3°52 | 7°10 | 16°43 | 13° 8 | 20°45 | 10°49 | 7°27 | 14°29 | 23°51 | 22°57 | 4°55 | 24°15 |
| F 7 | 19 0 53 | 15° 1'01 | 29°47 | 3°R53 | 7°32 | 17°20 | 13° 7 | 20°53 | 10°51 | 7°28 | 14°27 | 23°48 | 22°54 | 5° 2 | 24°14 |
| S 8 | 19 4 50 | 15°58'14 | 13♂15 | 3°50 | 7°56 | 17°57 | 13° 7 | 21° 1 | 10°52 | 7°30 | 14°26 | 23°45 | 22°50 | 5° 9 | 24°14 |
| S 9 | 19 8 46 | 16°55'27 | 26°17 | 3°41 | 8°22 | 18°34 | 13° 7 | 21° 9 | 10°54 | 7°31 | 14°24 | 23°43 | 22°47 | 5°15 | 24°13 |
| M10 | 19 12 43 | 17°52'40 | 8♄57 | 3°28 | 8°49 | 19°12 | 13°D 6 | 21°17 | 10°56 | 7°33 | 14°23 | 23°41 | 22°44 | 5°22 | 24°12 |
| T 11 | 19 16 40 | 18°49'53 | 21°17 | 3°10 | 9°18 | 19°49 | 13° 6 | 21°24 | 10°58 | 7°34 | 14°21 | 23°D41 | 22°41 | 5°29 | 24°12 |
| W12 | 19 20 36 | 19°47'06 | 3♂22 | 2°48 | 9°48 | 20°26 | 13° 7 | 21°32 | 11° 0 | 7°36 | 14°20 | 23°42 | 22°38 | 5°35 | 24°11 |
| T 13 | 19 24 33 | 20°44'19 | 15°17 | 2°22 | 10°20 | 21° 3 | 13° 7 | 21°40 | 11° 1 | 7°38 | 14°18 | 23°43 | 22°35 | 5°42 | 24°10 |
| F 14 | 19 28 29 | 21°41'33 | 27° 6 | 1°52 | 10°53 | 21°41 | 13° 8 | 21°48 | 11° 3 | 7°39 | 14°17 | 23°45 | 22°31 | 5°49 | 24° 9 |
| S 15 | 19 32 26 | 22°38'46 | 8♄55 | 1°18 | 11°27 | 22°18 | 13° 9 | 21°55 | 11° 4 | 7°41 | 14°15 | 23°47 | 22°28 | 5°55 | 24° 8 |
| S 16 | 19 36 22 | 23°36'00 | 20°46 | 0°42 | 12° 3 | 22°55 | 13°10 | 22° 3 | 11° 6 | 7°43 | 14°14 | 23°R47 | 22°25 | 6° 2 | 24° 7 |
| M17 | 19 40 19 | 24°33'15 | 2♄44 | 0° 3 | 12°39 | 23°33 | 13°11 | 22°11 | 11° 8 | 7°44 | 14°12 | 23°47 | 22°22 | 6° 8 | 24° 6 |
| T 18 | 19 44 15 | 25°30'30 | 14°50 | 29♄22 | 13°17 | 24°10 | 13°12 | 22°19 | 11° 9 | 7°46 | 14°11 | 23°45 | 22°19 | 6°15 | 24° 5 |
| W19 | 19 48 12 | 26°27'45 | 27° 8 | 28°40 | 13°56 | 24°47 | 13°14 | 22°27 | 11°10 | 7°48 | 14° 9 | 23°42 | 22°16 | 6°22 | 24° 4 |
| T 20 | 19 52 9 | 27°25'01 | 9♄39 | 27°58 | 14°37 | 25°25 | 13°15 | 22°34 | 11°12 | 7°50 | 14° 8 | 23°37 | 22°12 | 6°28 | 24° 3 |
| F 21 | 19 56 5 | 28°22'17 | 22°23 | 27°16 | 15°18 | 26° 2 | 13°17 | 22°42 | 11°13 | 7°52 | 14° 7 | 23°32 | 22° 9 | 6°35 | 24° 1 |
| S 22 | 20 0 2 | 29°19'35 | 5♄20 | 26°35 | 16° 0 | 26°40 | 13°19 | 22°50 | 11°14 | 7°53 | 14° 5 | 23°26 | 22° 6 | 6°42 | 24° 0 |
| S 23 | 20 3 58 | 0♂16'53 | 18°31 | 25°56 | 16°43 | 27°17 | 13°21 | 22°58 | 11°16 | 7°55 | 14° 4 | 23°21 | 22° 3 | 6°48 | 23°59 |
| M24 | 20 7 55 | 1°14'12 | 1♂55 | 25°20 | 17°27 | 27°55 | 13°24 | 23° 5 | 11°17 | 7°57 | 14° 2 | 23°16 | 22° 0 | 6°55 | 23°57 |
| T 25 | 20 11 51 | 2°11'32 | 15°32 | 24°47 | 18°12 | 28°32 | 13°26 | 23°13 | 11°18 | 7°59 | 14° 1 | 23°13 | 21°56 | 7° 2 | 23°56 |
| W26 | 20 15 48 | 3° 8'53 | 29°22 | 24°18 | 18°58 | 29°10 | 13°29 | 23°21 | 11°19 | 8° 1 | 14° 0 | 23°D12 | 21°53 | 7° 8 | 23°55 |
| T 27 | 20 19 44 | 4° 6'15 | 13♄24 | 23°53 | 19°45 | 29°47 | 13°32 | 23°29 | 11°20 | 8° 3 | 13°58 | 23°12 | 21°50 | 7°15 | 23°53 |
| F 28 | 20 23 41 | 5° 3'39 | 27°38 | 23°33 | 20°32 | 0♂25 | 13°35 | 23°36 | 11°21 | 8° 5 | 13°57 | 23°14 | 21°47 | 7°22 | 23°51 |
| S 29 | 20 27 38 | 6° 1'03 | 12♂ 2 | 23°19 | 21°21 | 1° 3 | 13°38 | 23°44 | 11°22 | 8° 7 | 13°56 | 23°15 | 21°44 | 7°28 | 23°50 |
| S 30 | 20 31 34 | 6°58'29 | 26°33 | 23°11 | 22°10 | 1°40 | 13°42 | 23°52 | 11°23 | 8° 8 | 13°54 | 23°R15 | 21°41 | 7°35 | 23°48 |
| M31 | 20 35 31 | 7♂55'56 | 11♄ 6 | 23°D 8 | 22♂59 | 2♂18 | 13♂45 | 23♄59 | 11♄24 | 8♂10 | 13♄53 | 23♄14 | 21♄37 | 7♄42 | 23♄46 |

Delta T = 15.18 sec.

Greg. Calendar

AUGUST 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|------|--------|--------|-------|-------|--------|
| T 1 | 20 39 27 | 8♂53'24 | 25♄37 | 23♄12 | 23♂50 | 2♂56 | 13♂49 | 24♄ 7 | 11♄25 | 8♂12 | 13°R52 | 23°R11 | 21♄34 | 7♄48 | 23°R45 |
| W 2 | 20 43 24 | 9°50'53 | 9♂59 | 23°23 | 24°41 | 3°33 | 13°53 | 24°14 | 11°25 | 8°14 | 13♄50 | 23♄ 5 | 21°31 | 7°55 | 23♄43 |
| T 3 | 20 47 20 | 10°48'23 | 24° 6 | 23°40 | 25°33 | 4°11 | 13°57 | 24°22 | 11°26 | 8°16 | 13°49 | 22°58 | 21°28 | 8° 2 | 23°41 |
| F 4 | 20 51 17 | 11°45'54 | 7♂55 | 24° 4 | 26°25 | 4°49 | 14° 1 | 24°30 | 11°27 | 8°18 | 13°48 | 22°50 | 21°25 | 8° 8 | 23°39 |
| S 5 | 20 55 13 | 12°43'26 | 21°21 | 24°34 | 27°18 | 5°27 | 14° 6 | 24°37 | 11°27 | 8°20 | 13°46 | 22°42 | 21°22 | 8°15 | 23°37 |
| S 6 | 20 59 10 | 13°40'59 | 4♄24 | 25°12 | 28°11 | 6° 5 | 14°10 | 24°45 | 11°28 | 8°23 | 13°45 | 22°35 | 21°18 | 8°21 | 23°35 |
| M 7 | 21 3 7 | 14°38'32 | 17° 4 | 25°55 | 29° 5 | 6°42 | 14°15 | 24°52 | 11°28 | 8°25 | 13°44 | 22°30 | 21°15 | 8°28 | 23°33 |
| T 8 | 21 7 3 | 15°36'07 | 29°25 | 26°46 | 0♄ 0 | 7°20 | 14°20 | 25° 0 | 11°29 | 8°27 | 13°43 | 22°26 | 21°12 | 8°35 | 23°31 |
| W 9 | 21 11 0 | 16°33'42 | 11♂30 | 27°43 | 0°55 | 7°58 | 14°25 | 25° 7 | 11°29 | 8°29 | 13°42 | 22°D25 | 21° 9 | 8°41 | 23°29 |
| T 10 | 21 14 56 | 17°31'19 | 23°25 | 28°46 | 1°51 | 8°36 | 14°30 | 25°15 | 11°30 | 8°31 | 13°40 | 22°25 | 21° 6 | 8°48 | 23°27 |
| F 11 | 21 18 53 | 18°28'56 | 5♄14 | 29°55 | 2°47 | 9°14 | 14°35 | 25°22 | 11°30 | 8°33 | 13°39 | 22°26 | 21° 2 | 8°55 | 23°25 |
| S 12 | 21 22 49 | 19°26'35 | 17° 3 | 1♂10 | 3°44 | 9°52 | 14°41 | 25°29 | 11°30 | 8°35 | 13°38 | 22°R27 | 20°59 | 9° 1 | 23°23 |
| S 13 | 21 26 46 | 20°24'15 | 28°57 | 2°30 | 4°41 | 10°30 | 14°47 | 25°37 | 11°30 | 8°37 | 13°37 | 22°27 | 20°56 | 9° 8 | 23°21 |
| M14 | 21 30 42 | 21°21'55 | 11♄ 0 | 3°56 | 5°38 | 11° 8 | 14°52 | 25°44 | 11°30 | 8°39 | 13°36 | 22°25 | 20°53 | 9°15 | 23°18 |
| T 15 | 21 34 39 | 22°19'37 | 23°16 | 5°27 | 6°36 | 11°46 | 14°58 | 25°51 | 11°31 | 8°42 | 13°35 | 22°21 | 20°50 | 9°21 | 23°16 |
| W16 | 21 38 36 | 23°17'20 | 5♄48 | 7° 2 | 7°34 | 12°24 | 15° 4 | 25°58 | 11°31 | 8°44 | 13°34 | 22°14 | 20°47 | 9°28 | 23°14 |
| T 17 | 21 42 32 | 24°15'04 | 18°36 | 8°42 | 8°33 | 13° 3 | 15°11 | 26° 6 | 11°R31 | 8°46 | 13°33 | 22° 6 | 20°43 | 9°35 | 23°11 |
| F 18 | 21 46 29 | 25°12'50 | 1♄41 | 10°25 | 9°32 | 13°41 | 15°17 | 26°13 | 11°31 | 8°48 | 13°32 | 21°56 | 20°40 | 9°41 | 23° 9 |
| S 19 | 21 50 25 | 26°10'37 | 15° 2 | 12°11 | 10°32 | 14°19 | 15°24 | 26°20 | 11°31 | 8°50 | 13°31 | 21°45 | 20°37 | 9°48 | 23° 7 |
| S 20 | 21 54 22 | 27° 8'26 | 28°36 | 14° 0 | 11°32 | 14°57 | 15°30 | 26°27 | 11°30 | 8°52 | 13°30 | 21°35 | 20°34 | 9°55 | 23° 4 |
| M21 | 21 58 18 | 28° 6'16 | 12♂21 | 15°52 | 12°32 | 15°35 | 15°37 | 26°34 | 11°30 | 8°55 | 13°29 | 21°26 | 20°31 | 10° 1 | 23° 2 |
| T 22 | 22 2 15 | 29° 4'08 | 26°15 | 17°46 | 13°33 | 16°14 | 15°44 | 26°41 | 11°30 | 8°57 | 13°28 | 21°20 | 20°27 | 10° 8 | 22°59 |
| W23 | 22 6 11 | 0♂2'02 | 10♄14 | 19°41 | 14°34 | 16°52 | 15°51 | 26°48 | 11°30 | 8°59 | 13°27 | 21°16 | 20°24 | 10°14 | 22°57 |
| T 24 | 22 10 8 | 0°59'58 | 24°18 | 21°38 | 15°35 | 17°30 | 15°58 | 26°55 | 11°29 | 9° 1 | 13°26 | 21°15 | 20°21 | 10°21 | 22°54 |
| F 25 | 22 14 5 | 1°57'55 | 8♂24 | 23°35 | 16°37 | 18° 9 | 16° 6 | 27° 2 | 11°29 | 9° 3 | 13°25 | 21°D15 | 20°18 | 10°28 | 22°52 |
| S 26 | 22 18 1 | 2°55'55 | 22°33 | 25°33 | 17°39 | 18°47 | 16°13 | 27° 9 | 11°29 | 9° 6 | 13°24 | 21°R15 | 20°15 | 10°34 | 22°49 |
| S 27 | 22 21 58 | 3°53'56 | 6♄43 | 27°32 | 18°42 | 19°25 | 16°21 | 27°15 | 11°28 | 9° 8 | 13°24 | 21°14 | 20°12 | 10°41 | 22°46 |
| M28 | 22 25 54 | 4°52'00 | 20°52 | 29°30 | 19°44 | 20° 4 | 16°29 | 27°22 | 11°28 | 9°10 | 13°23 | 21°11 | 20° 8 | 10°48 | 22°44 |
| T 29 | 22 29 51 | 5°50'05 | 4♂58 | 1♂28 | 20°47 | 20°42 | 16°36 | 27°29 | 11°27 | 9°12 | 13°22 | 21° 6 | 20° 5 | 10°54 | 22°41 |
| W30 | 22 33 47 | 6°48'12 | 18°56 | 3°25 | 21°50 | 21°21 | 16°44 | 27°36 | 11°26 | 9°14 | 13°21 | 20°57 | 20° 2 | 11° 1 | 22°39 |
| T 31 | 22 37 44 | 7♂46'21 | 2♂43 | 5♂22 | 22♄54 | 22♂ 0 | 16♂53 | 27♄42 | 11♄26 | 9♂17 | 13♄21 | 20♄47 | 19♄59 | 11♄ 8 | 22♄36 |

Delta T = 15.18 sec.

Greg. Calendar

created from Swiss Ephemeris, Copyright AstroDienst AG [5.1.2003]

SWISS EPHEMERIS for the year 1769

SEPTEMBER 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|--------|
| F 1 | 22 41 40 | 8♎44'31 | 16♎16 | 7♎19 | 23♎58 | 22♎38 | 17♎1 | 27♎49 | 11°R25 | 9♎19 | 13°R20 | 20°R35 | 19♎56 | 11♎14 | 22°R33 |
| S 2 | 22 45 37 | 9°42'43 | 29°30 | 9°14 | 25° 2 | 23°17 | 17° 9 | 27°55 | 11♎24 | 9°21 | 13♎19 | 20♎22 | 19°53 | 11°21 | 22♎30 |
| S 3 | 22 49 34 | 10°40'57 | 12♎26 | 11° 8 | 26° 6 | 23°55 | 17°18 | 28° 2 | 11°23 | 9°23 | 13°19 | 20°11 | 19°49 | 11°28 | 22°28 |
| M 4 | 22 53 30 | 11°39'12 | 25° 2 | 13° 2 | 27°11 | 24°34 | 17°26 | 28° 8 | 11°22 | 9°26 | 13°18 | 20° 2 | 19°46 | 11°34 | 22°25 |
| T 5 | 22 57 27 | 12°37'30 | 7♎21 | 14°55 | 28°15 | 25°13 | 17°35 | 28°14 | 11°21 | 9°28 | 13°17 | 19°55 | 19°43 | 11°41 | 22°22 |
| W 6 | 23 1 23 | 13°35'48 | 19°25 | 16°46 | 29°20 | 25°52 | 17°44 | 28°21 | 11°21 | 9°30 | 13°17 | 19°51 | 19°40 | 11°48 | 22°19 |
| T 7 | 23 5 20 | 14°34'08 | 1♎19 | 18°36 | 0♎26 | 26°30 | 17°53 | 28°27 | 11°20 | 9°32 | 13°16 | 19°49 | 19°37 | 11°54 | 22°17 |
| F 8 | 23 9 16 | 15°32'30 | 13° 7 | 20°26 | 1°31 | 27° 9 | 18° 2 | 28°33 | 11°18 | 9°34 | 13°16 | 19°48 | 19°33 | 12° 1 | 22°14 |
| S 9 | 23 13 13 | 16°30'54 | 24°56 | 22°14 | 2°37 | 27°48 | 18°11 | 28°39 | 11°17 | 9°37 | 13°15 | 19°48 | 19°30 | 12° 7 | 22°11 |
| S 10 | 23 17 9 | 17°29'19 | 6♎51 | 24° 1 | 3°43 | 28°27 | 18°20 | 28°45 | 11°16 | 9°39 | 13°15 | 19°48 | 19°27 | 12°14 | 22° 8 |
| M 11 | 23 21 6 | 18°27'46 | 18°57 | 25°47 | 4°49 | 29° 6 | 18°30 | 28°51 | 11°15 | 9°41 | 13°14 | 19°45 | 19°24 | 12°21 | 22° 6 |
| T 12 | 23 25 3 | 19°26'14 | 1♎18 | 27°32 | 5°55 | 29°45 | 18°39 | 28°57 | 11°14 | 9°43 | 13°14 | 19°40 | 19°21 | 12°27 | 22° 3 |
| W 13 | 23 28 59 | 20°24'44 | 13°59 | 29°15 | 7° 2 | 0♎24 | 18°49 | 29° 3 | 11°13 | 9°46 | 13°14 | 19°33 | 19°18 | 12°34 | 22° 0 |
| T 14 | 23 32 56 | 21°23'16 | 27° 1 | 0♎58 | 8° 9 | 1° 3 | 18°59 | 29° 9 | 11°11 | 9°48 | 13°13 | 19°23 | 19°14 | 12°41 | 21°57 |
| F 15 | 23 36 52 | 22°21'49 | 10♎24 | 2°40 | 9°16 | 1°42 | 19° 8 | 29°14 | 11°10 | 9°50 | 13°13 | 19°11 | 19°11 | 12°47 | 21°54 |
| S 16 | 23 40 49 | 23°20'25 | 24° 8 | 4°20 | 10°23 | 2°21 | 19°18 | 29°20 | 11° 8 | 9°52 | 13°13 | 18°59 | 19° 8 | 12°54 | 21°52 |
| S 17 | 23 44 45 | 24°19'02 | 8♎7 | 6° 0 | 11°30 | 3° 0 | 19°28 | 29°26 | 11° 7 | 9°54 | 13°12 | 18°47 | 19° 5 | 13° 1 | 21°49 |
| M 18 | 23 48 42 | 25°17'41 | 22°19 | 7°39 | 12°38 | 3°39 | 19°38 | 29°31 | 11° 6 | 9°56 | 13°12 | 18°37 | 19° 2 | 13° 7 | 21°46 |
| T 19 | 23 52 38 | 26°16'23 | 6♎37 | 9°16 | 13°46 | 4°18 | 19°49 | 29°36 | 11° 4 | 9°59 | 13°12 | 18°30 | 18°58 | 13°14 | 21°43 |
| W 20 | 23 56 35 | 27°15'06 | 20°56 | 10°53 | 14°54 | 4°57 | 19°59 | 29°42 | 11° 2 | 10° 1 | 13°12 | 18°25 | 18°55 | 13°21 | 21°40 |
| T 21 | 0 0 31 | 28°13'53 | 5♎12 | 12°29 | 16° 2 | 5°37 | 20° 9 | 29°47 | 11° 1 | 10° 3 | 13°12 | 18°23 | 18°52 | 13°27 | 21°38 |
| F 22 | 0 4 28 | 29°12'41 | 19°24 | 14° 3 | 17°10 | 6°16 | 20°20 | 29°52 | 10°59 | 10° 5 | 13°12 | 18°D23 | 18°49 | 13°34 | 21°35 |
| S 23 | 0 8 25 | 0♎11'32 | 3♎29 | 15°37 | 18°19 | 6°55 | 20°30 | 29°57 | 10°58 | 10° 7 | 13°12 | 18°R23 | 18°46 | 13°41 | 21°32 |
| S 24 | 0 12 21 | 1°10'25 | 17°28 | 17°10 | 19°27 | 7°35 | 20°41 | 0♎3 | 10°56 | 10° 9 | 13°11 | 18°22 | 18°43 | 13°47 | 21°29 |
| M 25 | 0 16 18 | 2° 9'20 | 1♎18 | 18°42 | 20°36 | 8°14 | 20°52 | 0° 8 | 10°54 | 10°11 | 13°D11 | 18°19 | 18°39 | 13°54 | 21°26 |
| T 26 | 0 20 14 | 3° 8'18 | 15° 1 | 20°14 | 21°45 | 8°53 | 21° 3 | 0°12 | 10°52 | 10°13 | 13°11 | 18°14 | 18°36 | 14° 0 | 21°24 |
| W 27 | 0 24 11 | 4° 7'17 | 28°34 | 21°44 | 22°54 | 9°33 | 21°14 | 0°17 | 10°50 | 10°16 | 13°12 | 18° 5 | 18°33 | 14° 7 | 21°21 |
| T 28 | 0 28 7 | 5° 6'19 | 11♎57 | 23°13 | 24° 3 | 10°12 | 21°25 | 0°22 | 10°49 | 10°18 | 13°12 | 17°55 | 18°30 | 14°14 | 21°18 |
| F 29 | 0 32 4 | 6° 5'23 | 25° 7 | 24°42 | 25°13 | 10°52 | 21°36 | 0°27 | 10°47 | 10°20 | 13°12 | 17°43 | 18°27 | 14°20 | 21°16 |
| S 30 | 0 36 0 | 7♎4'30 | 8♎4 | 26♎9 | 26♎22 | 11♎31 | 21♎47 | 0♎31 | 10♎45 | 10♎22 | 13♎12 | 17♎30 | 18♎24 | 14♎27 | 21♎13 |

Delta T = 15.18 sec.

Greg. Calendar

OCTOBER 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|-------|------|--------|-------|-------|--------|-------|-------|--------|
| S 1 | 0 39 57 | 8♎3'38 | 20♎45 | 27♎36 | 27♎32 | 12♎11 | 21♎58 | 0♎36 | 10°R43 | 10♎24 | 13♎12 | 17°R19 | 18♎20 | 14♎34 | 21°R10 |
| M 2 | 0 43 54 | 9° 2'48 | 3♎11 | 29° 2 | 28°42 | 12°51 | 22° 9 | 0°40 | 10♎41 | 10°26 | 13°12 | 17♎9 | 18°17 | 14°40 | 21♎8 |
| T 3 | 0 47 50 | 10° 2'01 | 15°23 | 0♎26 | 29°52 | 13°30 | 22°21 | 0°44 | 10°39 | 10°28 | 13°12 | 17° 2 | 18°14 | 14°47 | 21° 5 |
| W 4 | 0 51 47 | 11° 1'15 | 27°23 | 1°50 | 1♎2 | 14°10 | 22°32 | 0°49 | 10°37 | 10°30 | 13°13 | 16°58 | 18°11 | 14°54 | 21° 2 |
| T 5 | 0 55 43 | 12° 0'31 | 9♎15 | 3°13 | 2°12 | 14°50 | 22°44 | 0°53 | 10°35 | 10°32 | 13°13 | 16°56 | 18° 8 | 15° 0 | 21° 0 |
| F 6 | 0 59 40 | 12°59'49 | 21° 2 | 4°35 | 3°23 | 15°30 | 22°55 | 0°57 | 10°33 | 10°34 | 13°13 | 16°D55 | 18° 4 | 15° 7 | 20°57 |
| S 7 | 1 3 36 | 13°59'09 | 2♎50 | 5°56 | 4°33 | 16°10 | 23° 7 | 1° 1 | 10°31 | 10°36 | 13°14 | 16°56 | 18° 1 | 15°14 | 20°55 |
| S 8 | 1 7 33 | 14°58'30 | 14°43 | 7°15 | 5°44 | 16°49 | 23°19 | 1° 5 | 10°28 | 10°38 | 13°14 | 16°R57 | 17°58 | 15°20 | 20°52 |
| M 9 | 1 11 29 | 15°57'54 | 26°48 | 8°33 | 6°55 | 17°29 | 23°31 | 1° 8 | 10°26 | 10°39 | 13°14 | 16°56 | 17°55 | 15°27 | 20°50 |
| T 10 | 1 15 26 | 16°57'19 | 9♎9 | 9°51 | 8° 6 | 18° 9 | 23°43 | 1°12 | 10°24 | 10°41 | 13°15 | 16°53 | 17°52 | 15°33 | 20°47 |
| W 11 | 1 19 23 | 17°56'46 | 21°51 | 11° 6 | 9°17 | 18°49 | 23°54 | 1°16 | 10°22 | 10°43 | 13°15 | 16°49 | 17°49 | 15°40 | 20°45 |
| T 12 | 1 23 19 | 18°56'14 | 4♎58 | 12°21 | 10°28 | 19°29 | 24° 6 | 1°19 | 10°20 | 10°45 | 13°16 | 16°42 | 17°45 | 15°47 | 20°43 |
| F 13 | 1 27 16 | 19°55'45 | 18°31 | 13°33 | 11°39 | 20° 9 | 24°19 | 1°23 | 10°17 | 10°47 | 13°16 | 16°33 | 17°42 | 15°53 | 20°40 |
| S 14 | 1 31 12 | 20°55'17 | 2♎28 | 14°44 | 12°50 | 20°49 | 24°31 | 1°26 | 10°15 | 10°49 | 13°17 | 16°24 | 17°39 | 16° 0 | 20°38 |
| S 15 | 1 35 9 | 21°54'51 | 16°47 | 15°54 | 14° 2 | 21°30 | 24°43 | 1°29 | 10°13 | 10°50 | 13°17 | 16°15 | 17°36 | 16° 7 | 20°36 |
| M 16 | 1 39 5 | 22°54'27 | 1♎22 | 17° 1 | 15°13 | 22°10 | 24°55 | 1°32 | 10°10 | 10°52 | 13°18 | 16° 7 | 17°33 | 16°13 | 20°33 |
| T 17 | 1 43 2 | 23°54'06 | 16° 6 | 18° 6 | 16°25 | 22°50 | 25° 7 | 1°35 | 10° 8 | 10°54 | 13°19 | 16° 1 | 17°30 | 16°20 | 20°31 |
| W 18 | 1 46 58 | 24°53'46 | 0♎51 | 19° 9 | 17°37 | 23°30 | 25°20 | 1°38 | 10° 6 | 10°56 | 13°19 | 15°58 | 17°26 | 16°27 | 20°29 |
| T 19 | 1 50 55 | 25°53'29 | 15°30 | 20° 9 | 18°49 | 24°10 | 25°32 | 1°41 | 10° 3 | 10°57 | 13°20 | 15°D57 | 17°23 | 16°33 | 20°27 |
| F 20 | 1 54 52 | 26°53'14 | 29°59 | 21° 6 | 20° 1 | 24°51 | 25°45 | 1°44 | 10° 1 | 10°59 | 13°21 | 15°58 | 17°20 | 16°40 | 20°25 |
| S 21 | 1 58 48 | 27°53'02 | 14♎13 | 22° 0 | 21°13 | 25°31 | 25°57 | 1°46 | 9°58 | 11° 1 | 13°22 | 15°59 | 17°17 | 16°47 | 20°22 |
| S 22 | 2 2 45 | 28°52'51 | 28°13 | 22°50 | 22°25 | 26°12 | 26°10 | 1°49 | 9°56 | 11° 2 | 13°22 | 16°R 0 | 17°14 | 16°53 | 20°20 |
| M 23 | 2 6 41 | 29°52'43 | 11♎57 | 23°37 | 23°37 | 26°52 | 26°22 | 1°51 | 9°54 | 11° 4 | 13°23 | 15°59 | 17°10 | 17° 0 | 20°18 |
| T 24 | 2 10 38 | 0♎52'37 | 25°25 | 24°19 | 24°50 | 27°32 | 26°35 | 1°53 | 9°51 | 11° 6 | 13°24 | 15°56 | 17° 7 | 17° 6 | 20°16 |
| W 25 | 2 14 34 | 1°52'34 | 8♎40 | 24°56 | 26° 2 | 28°13 | 26°48 | 1°56 | 9°49 | 11° 7 | 13°25 | 15°52 | 17° 4 | 17°13 | 20°15 |
| T 26 | 2 18 31 | 2°52'32 | 21°41 | 25°28 | 27°15 | 28°54 | 27° 0 | 1°58 | 9°46 | 11° 9 | 13°26 | 15°45 | 17° 1 | 17°20 | 20°13 |
| F 27 | 2 22 27 | 3°52'32 | 4♎29 | 25°54 | 28°27 | 29°34 | 27°13 | 2° 0 | 9°44 | 11°10 | 13°27 | 15°38 | 16°58 | 17°26 | 20°11 |
| S 28 | 2 26 24 | 4°52'35 | 17° 5 | 26°13 | 29°40 | 0♎15 | 27°26 | 2° 2 | 9°41 | 11°12 | 13°28 | 15°30 | 16°55 | 17°33 | 20° 9 |
| S 29 | 2 30 20 | 5°52'39 | 29°29 | 26°26 | 0♎53 | 0°56 | 27°39 | 2° 3 | 9°39 | 11°13 | 13°29 | 15°23 | 16°51 | 17°40 | 20° 7 |
| M 30 | 2 34 17 | 6°52'46 | 11♎42 | 26°R30 | 2° 6 | 1°36 | 27°52 | 2° 5 | 9°36 | 11°15 | 13°30 | 15°17 | 16°48 | 17°46 | 20° 6 |
| T 31 | 2 38 14 | 7♎52'54 | 23♎45 | 26♎26 | 3♎19 | 2♎17 | 28♎5 | 2♎6 | 9♎34 | 11♎16 | 13♎31 | 15♎13 | 16♎45 | 17♎53 | 20♎4 |

Delta T = 15.18 sec.

Greg. Calendar

created from Swiss Ephemeris, Copyright Astrodienst AG [5.1.2003]

SWISS EPHEMERIS for the year 1769

NOVEMBER 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|
| W 1 | 2 42 10 | 8♁53'04 | 5♂40 | 26°R13 | 4♁32 | 2♁58 | 28♁18 | 2♁ 8 | 9°R31 | 11♁17 | 13♁32 | 15°R11 | 16♂42 | 18♂ 0 | 20°R 2 |
| T 2 | 2 46 7 | 9°53'16 | 17°29 | 25♁51 | 5°45 | 3°39 | 28°31 | 2° 9 | 9♁29 | 11°19 | 13°33 | 15°D10 | 16°39 | 18° 6 | 20♁ 1 |
| F 3 | 2 50 3 | 10°53'30 | 29°15 | 25°19 | 6°58 | 4°20 | 28°44 | 2°10 | 9°26 | 11°20 | 13°34 | 15♂11 | 16°35 | 18°13 | 19°59 |
| S 4 | 2 54 0 | 11°53'45 | 11♁ 2 | 24°37 | 8°11 | 5° 1 | 28°57 | 2°11 | 9°24 | 11°21 | 13°35 | 15°13 | 16°32 | 18°20 | 19°58 |
| S 5 | 2 57 56 | 12°54'02 | 22°54 | 23°46 | 9°24 | 5°42 | 29°10 | 2°12 | 9°21 | 11°23 | 13°36 | 15°15 | 16°29 | 18°26 | 19°56 |
| M 6 | 3 1 53 | 13°54'20 | 4♁57 | 22°45 | 10°38 | 6°23 | 29°23 | 2°13 | 9°19 | 11°24 | 13°38 | 15°16 | 16°26 | 18°33 | 19°55 |
| T 7 | 3 5 49 | 14°54'39 | 17°15 | 21°37 | 11°51 | 7° 4 | 29°36 | 2°14 | 9°17 | 11°25 | 13°39 | 15°R16 | 16°23 | 18°39 | 19°54 |
| W 8 | 3 9 46 | 15°55'00 | 29°53 | 20°23 | 13° 5 | 7°45 | 29°50 | 2°15 | 9°14 | 11°26 | 13°40 | 15°15 | 16°20 | 18°46 | 19°52 |
| T 9 | 3 13 43 | 16°55'23 | 12♁55 | 19° 4 | 14°18 | 8°26 | 0♂ 3 | 2°15 | 9°12 | 11°28 | 13°41 | 15°13 | 16°16 | 18°53 | 19°51 |
| F 10 | 3 17 39 | 17°55'46 | 26°25 | 17°44 | 15°32 | 9° 7 | 0°16 | 2°16 | 9° 9 | 11°29 | 13°43 | 15°10 | 16°13 | 18°59 | 19°50 |
| S 11 | 3 21 36 | 18°56'11 | 10♁22 | 16°24 | 16°46 | 9°48 | 0°29 | 2°16 | 9° 7 | 11°30 | 13°44 | 15° 6 | 16°10 | 19° 6 | 19°49 |
| S 12 | 3 25 32 | 19°56'38 | 24°46 | 15° 8 | 17°59 | 10°30 | 0°43 | 2°16 | 9° 4 | 11°31 | 13°45 | 15° 2 | 16° 7 | 19°13 | 19°48 |
| M13 | 3 29 29 | 20°57'06 | 9♁32 | 13°58 | 19°13 | 11°11 | 0°56 | 2°R16 | 9° 2 | 11°32 | 13°47 | 14°59 | 16° 4 | 19°19 | 19°47 |
| T 14 | 3 33 25 | 21°57'36 | 24°32 | 12°55 | 20°27 | 11°52 | 1° 9 | 2°16 | 8°59 | 11°33 | 13°48 | 14°57 | 16° 1 | 19°26 | 19°46 |
| W15 | 3 37 22 | 22°58'07 | 9♁38 | 12° 3 | 21°41 | 12°34 | 1°23 | 2°16 | 8°57 | 11°34 | 13°49 | 14°D56 | 15°57 | 19°33 | 19°45 |
| T 16 | 3 41 18 | 23°58'40 | 24°41 | 11°21 | 22°55 | 13°15 | 1°36 | 2°16 | 8°55 | 11°35 | 13°51 | 14°56 | 15°54 | 19°39 | 19°44 |
| F 17 | 3 45 15 | 24°59'15 | 9♁33 | 10°51 | 24° 9 | 13°57 | 1°49 | 2°15 | 8°52 | 11°36 | 13°52 | 14°57 | 15°51 | 19°46 | 19°43 |
| S 18 | 3 49 12 | 25°59'51 | 24° 7 | 10°32 | 25°23 | 14°38 | 2° 3 | 2°15 | 8°50 | 11°37 | 13°54 | 14°58 | 15°48 | 19°53 | 19°43 |
| S 19 | 3 53 8 | 27° 0'29 | 8♁20 | 10°D25 | 26°37 | 15°20 | 2°16 | 2°14 | 8°48 | 11°37 | 13°55 | 14°59 | 15°45 | 19°59 | 19°42 |
| M20 | 3 57 5 | 28° 1'09 | 22° 9 | 10°29 | 27°51 | 16° 1 | 2°29 | 2°14 | 8°45 | 11°38 | 13°57 | 15°R 0 | 15°41 | 20° 6 | 19°41 |
| T 21 | 4 1 1 | 29° 1'50 | 5♁37 | 10°44 | 29° 5 | 16°43 | 2°43 | 2°13 | 8°43 | 11°39 | 13°58 | 15° 0 | 15°38 | 20°13 | 19°41 |
| W22 | 4 4 58 | 0♂ 2'33 | 18°44 | 11° 8 | 0♁20 | 17°25 | 2°56 | 2°12 | 8°41 | 11°40 | 14° 0 | 14°59 | 15°35 | 20°19 | 19°40 |
| T 23 | 4 8 54 | 1° 3'18 | 1♁32 | 11°40 | 1°34 | 18° 6 | 3°10 | 2°11 | 8°39 | 11°41 | 14° 2 | 14°58 | 15°32 | 20°26 | 19°40 |
| F 24 | 4 12 51 | 2° 4'04 | 14° 5 | 12°20 | 2°48 | 18°48 | 3°23 | 2°10 | 8°36 | 11°41 | 14° 3 | 14°56 | 15°29 | 20°32 | 19°39 |
| S 25 | 4 16 47 | 3° 4'51 | 26°24 | 13° 7 | 4° 3 | 19°30 | 3°37 | 2° 8 | 8°34 | 11°42 | 14° 5 | 14°54 | 15°26 | 20°39 | 19°39 |
| S 26 | 4 20 44 | 4° 5'40 | 8♁33 | 14° 0 | 5°17 | 20°12 | 3°50 | 2° 7 | 8°32 | 11°43 | 14° 6 | 14°52 | 15°22 | 20°46 | 19°39 |
| M27 | 4 24 41 | 5° 6'31 | 20°33 | 14°59 | 6°32 | 20°54 | 4° 4 | 2° 5 | 8°30 | 11°43 | 14° 8 | 14°51 | 15°19 | 20°52 | 19°39 |
| T 28 | 4 28 37 | 6° 7'23 | 2♂27 | 16° 2 | 7°46 | 21°36 | 4°17 | 2° 4 | 8°28 | 11°44 | 14°10 | 14°50 | 15°16 | 20°59 | 19°38 |
| W29 | 4 32 34 | 7° 8'16 | 14°17 | 17° 9 | 9° 1 | 22°18 | 4°31 | 2° 2 | 8°26 | 11°44 | 14°12 | 14°D50 | 15°13 | 21° 6 | 19°38 |
| T 30 | 4 36 30 | 8♂ 9'10 | 26♂ 4 | 18♁19 | 10♁15 | 23♁ 0 | 4♂44 | 2♁ 0 | 8♁23 | 11♁45 | 14♁13 | 14♂50 | 15♂10 | 21♂12 | 19°D38 |

Delta T = 15.18 sec.

Greg. Calendar

DECEMBER 1769

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|-------|
| F 1 | 4 40 27 | 9♂10'05 | 7♁51 | 19♁33 | 11♁30 | 23♁42 | 4♂57 | 1°R58 | 8°R21 | 11♁45 | 14♁15 | 14♂51 | 15♂ 7 | 21♂19 | 19♁38 |
| S 2 | 4 44 23 | 10°11'01 | 19°40 | 20°49 | 12°44 | 24°24 | 5°11 | 1♁56 | 8♁19 | 11°46 | 14°17 | 14°51 | 15° 3 | 21°26 | 19°38 |
| S 3 | 4 48 20 | 11°11'58 | 1♁35 | 22° 7 | 13°59 | 25° 6 | 5°24 | 1°54 | 8°17 | 11°46 | 14°19 | 14°52 | 15° 0 | 21°32 | 19°38 |
| M 4 | 4 52 17 | 12°12'55 | 13°40 | 23°28 | 15°14 | 25°48 | 5°38 | 1°52 | 8°15 | 11°46 | 14°20 | 14°52 | 14°57 | 21°39 | 19°39 |
| T 5 | 4 56 13 | 13°13'54 | 25°57 | 24°49 | 16°28 | 26°31 | 5°51 | 1°50 | 8°14 | 11°47 | 14°22 | 14°52 | 14°54 | 21°46 | 19°39 |
| W 6 | 5 0 10 | 14°14'53 | 8♁31 | 26°13 | 17°43 | 27°13 | 6° 5 | 1°47 | 8°12 | 11°47 | 14°24 | 14°52 | 14°51 | 21°52 | 19°39 |
| T 7 | 5 4 6 | 15°15'52 | 21°26 | 27°37 | 18°58 | 27°55 | 6°18 | 1°45 | 8°10 | 11°47 | 14°26 | 14°52 | 14°47 | 21°59 | 19°40 |
| F 8 | 5 8 3 | 16°16'52 | 4♁46 | 29° 3 | 20°13 | 28°37 | 6°31 | 1°42 | 8° 8 | 11°47 | 14°28 | 14°52 | 14°44 | 22° 6 | 19°40 |
| S 9 | 5 11 59 | 17°17'53 | 18°32 | 0♂29 | 21°27 | 29°20 | 6°45 | 1°39 | 8° 6 | 11°48 | 14°29 | 14°53 | 14°41 | 22°12 | 19°40 |
| S 10 | 5 15 56 | 18°18'54 | 2♁46 | 1°56 | 22°42 | 0♂ 2 | 6°58 | 1°37 | 8° 4 | 11°48 | 14°31 | 14°53 | 14°38 | 22°19 | 19°41 |
| M11 | 5 19 52 | 19°19'56 | 17°24 | 3°24 | 23°57 | 0°45 | 7°11 | 1°34 | 8° 3 | 11°48 | 14°33 | 14°53 | 14°35 | 22°25 | 19°42 |
| T 12 | 5 23 49 | 20°20'58 | 2♁23 | 4°52 | 25°12 | 1°27 | 7°25 | 1°31 | 8° 1 | 11°48 | 14°35 | 14°54 | 14°32 | 22°32 | 19°42 |
| W13 | 5 27 46 | 21°22'01 | 17°35 | 6°21 | 26°27 | 2°10 | 7°38 | 1°27 | 8° 0 | 11°48 | 14°37 | 14°R54 | 14°28 | 22°39 | 19°43 |
| T 14 | 5 31 42 | 22°23'05 | 2♁50 | 7°51 | 27°42 | 2°53 | 7°51 | 1°24 | 7°58 | 11°R48 | 14°39 | 14°53 | 14°25 | 22°45 | 19°44 |
| F 15 | 5 35 39 | 23°24'09 | 17°59 | 9°21 | 28°57 | 3°35 | 8° 5 | 1°21 | 7°56 | 11°48 | 14°41 | 14°53 | 14°22 | 22°52 | 19°44 |
| S 16 | 5 39 35 | 24°25'14 | 2♁52 | 10°51 | 0♂12 | 4°18 | 8°18 | 1°18 | 7°55 | 11°48 | 14°43 | 14°52 | 14°19 | 22°59 | 19°45 |
| S 17 | 5 43 32 | 25°26'20 | 17°22 | 12°21 | 1°26 | 5° 1 | 8°31 | 1°14 | 7°53 | 11°48 | 14°45 | 14°50 | 14°16 | 23° 5 | 19°46 |
| M18 | 5 47 28 | 26°27'26 | 1♁27 | 13°52 | 2°41 | 5°43 | 8°44 | 1°11 | 7°52 | 11°48 | 14°47 | 14°49 | 14°13 | 23°12 | 19°47 |
| T 19 | 5 51 25 | 27°28'33 | 15° 3 | 15°23 | 3°56 | 6°26 | 8°57 | 1° 7 | 7°51 | 11°47 | 14°49 | 14°48 | 14° 9 | 23°19 | 19°48 |
| W20 | 5 55 21 | 28°29'41 | 28°13 | 16°55 | 5°11 | 7° 9 | 9°10 | 1° 3 | 7°49 | 11°47 | 14°51 | 14°D48 | 14° 6 | 23°25 | 19°49 |
| T 21 | 5 59 18 | 29°30'49 | 10♁59 | 18°27 | 6°26 | 7°52 | 9°24 | 1° 0 | 7°48 | 11°47 | 14°53 | 14°48 | 14° 3 | 23°32 | 19°50 |
| F 22 | 6 3 15 | 0♁31'58 | 23°25 | 19°59 | 7°41 | 8°35 | 9°37 | 0°56 | 7°47 | 11°47 | 14°55 | 14°49 | 14° 0 | 23°39 | 19°52 |
| S 23 | 6 7 11 | 1°33'08 | 5♁36 | 21°31 | 8°57 | 9°18 | 9°50 | 0°52 | 7°46 | 11°46 | 14°57 | 14°51 | 13°57 | 23°45 | 19°53 |
| S 24 | 6 11 8 | 2°34'18 | 17°36 | 23° 3 | 10°12 | 10° 1 | 10° 3 | 0°48 | 7°44 | 11°46 | 14°59 | 14°52 | 13°53 | 23°52 | 19°54 |
| M25 | 6 15 4 | 3°35'29 | 29°28 | 24°36 | 11°27 | 10°44 | 10°16 | 0°44 | 7°43 | 11°46 | 15° 1 | 14°54 | 13°50 | 23°59 | 19°56 |
| T 26 | 6 19 1 | 4°36'40 | 11♂15 | 26° 9 | 12°42 | 11°27 | 10°28 | 0°40 | 7°42 | 11°45 | 15° 3 | 14°R54 | 13°47 | 24° 5 | 19°57 |
| W27 | 6 22 57 | 5°37'51 | 23° 2 | 27°43 | 13°57 | 12°10 | 10°41 | 0°35 | 7°41 | 11°45 | 15° 5 | 14°54 | 13°44 | 24°12 | 19°58 |
| T 28 | 6 26 54 | 6°39'03 | 4♁50 | 29°17 | 15°12 | 12°54 | 10°54 | 0°31 | 7°40 | 11°44 | 15° 7 | 14°53 | 13°41 | 24°18 | 20° 0 |
| F 29 | 6 30 50 | 7°40'15 | 16°42 | 0♁51 | 16°27 | 13°37 | 11° 7 | 0°27 | 7°39 | 11°44 | 15° 9 | 14°50 | 13°38 | 24°25 | 20° 2 |
| S 30 | 6 34 47 | 8°41'26 | 28°38 | 2°25 | 17°42 | 14°20 | 11°20 | 0°23 | 7°39 | 11°43 | 15°11 | 14°47 | 13°34 | 24°32 | 20° 3 |
| S 31 | 6 38 44 | 9♁42'38 | 10♁42 | 4♁ 0 | 18♂57 | 15♂ 3 | 11♂32 | 0♁18 | 7♁38 | 11♁43 | 15♁13 | 14♂42 | 13♂31 | 24♂38 | 20♁ 5 |

Delta T = 15.18 sec.

Greg. Calendar

created from Swiss Ephemeris, Copyright AstroDienst AG [5.1.2003]