

SWISS EPHEMERIS for the year 1738

JANUARY 1738

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅      | ♁    | ♁      | ♁    | ♁      | ♁    | ♁     | ♁      | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|--------|------|--------|------|--------|------|-------|--------|---|
| W 1  | 6 41 40 | 10♁29'00 | 13♁18 | 16♁11 | 17♁35 | 12♁16 | 18♁7  | 21°R 1 | 2♁37 | 29°R11 | 3♁12 | 1°R12  | 2♁23 | 12♁37 | 29°R27 |   |
| T 2  | 6 45 36 | 11°30'09 | 25°12 | 17°49 | 18°50 | 12°59 | 18°17 | 20♁57  | 2°41 | 29♁10  | 3°13 | 1♁5    | 2°20 | 12°44 | 29♁24  |   |
| F 3  | 6 49 33 | 12°31'18 | 7♁14  | 19°28 | 20°5  | 13°42 | 18°27 | 20°52  | 2°44 | 29°8   | 3°14 | 0°56   | 2°17 | 12°50 | 29°22  |   |
| S 4  | 6 53 29 | 13°32'27 | 19°25 | 21°8  | 21°20 | 14°25 | 18°36 | 20°48  | 2°48 | 29°6   | 3°15 | 0°47   | 2°14 | 12°57 | 29°20  |   |
| S 5  | 6 57 26 | 14°33'35 | 1♁47  | 22°47 | 22°35 | 15°8  | 18°46 | 20°44  | 2°51 | 29°5   | 3°16 | 0°38   | 2°11 | 13°4  | 29°18  |   |
| M 6  | 7 1 22  | 15°34'43 | 14°21 | 24°27 | 23°50 | 15°52 | 18°56 | 20°39  | 2°55 | 29°3   | 3°17 | 0°29   | 2°7  | 13°10 | 29°16  |   |
| T 7  | 7 5 19  | 16°35'51 | 27°7  | 26°7  | 25°5  | 16°35 | 19°6  | 20°35  | 2°58 | 29°2   | 3°19 | 0°23   | 2°4  | 13°17 | 29°13  |   |
| W 8  | 7 9 16  | 17°36'59 | 10♁5  | 27°47 | 26°20 | 17°18 | 19°17 | 20°31  | 3°2  | 29°0   | 3°20 | 0°19   | 2°1  | 13°24 | 29°11  |   |
| T 9  | 7 13 12 | 18°38'06 | 23°14 | 29°27 | 27°35 | 18°1  | 19°27 | 20°27  | 3°5  | 28°58  | 3°21 | 0°17   | 1°58 | 13°31 | 29°10  |   |
| F 10 | 7 17 9  | 19°39'13 | 6♁35  | 1♁6   | 28°50 | 18°44 | 19°37 | 20°23  | 3°9  | 28°57  | 3°21 | 0°D17  | 1°55 | 13°37 | 29°8   |   |
| S 11 | 7 21 5  | 20°40'20 | 20°7  | 2°46  | 0♁5   | 19°28 | 19°48 | 20°19  | 3°12 | 28°55  | 3°22 | 0°18   | 1°52 | 13°44 | 29°6   |   |
| S 12 | 7 25 2  | 21°41'26 | 3♁50  | 4°26  | 1°20  | 20°11 | 19°59 | 20°15  | 3°16 | 28°54  | 3°23 | 0°20   | 1°48 | 13°51 | 29°4   |   |
| M13  | 7 28 58 | 22°42'33 | 17°44 | 6°4   | 2°35  | 20°54 | 20°10 | 20°11  | 3°19 | 28°52  | 3°24 | 0°R21  | 1°45 | 13°57 | 29°2   |   |
| T 14 | 7 32 55 | 23°43'39 | 1♁50  | 7°43  | 3°50  | 21°38 | 20°20 | 20°8   | 3°23 | 28°51  | 3°25 | 0°20   | 1°42 | 14°4  | 29°1   |   |
| W15  | 7 36 51 | 24°44'45 | 16°6  | 9°20  | 5°5   | 22°21 | 20°32 | 20°4   | 3°26 | 28°49  | 3°26 | 0°19   | 1°39 | 14°11 | 28°59  |   |
| T 16 | 7 40 48 | 25°45'50 | 0♁30  | 10°56 | 6°20  | 23°5  | 20°43 | 20°0   | 3°30 | 28°48  | 3°26 | 0°15   | 1°36 | 14°18 | 28°58  |   |
| F 17 | 7 44 45 | 26°46'56 | 14°57 | 12°31 | 7°36  | 23°48 | 20°54 | 19°57  | 3°33 | 28°46  | 3°27 | 0°11   | 1°32 | 14°24 | 28°56  |   |
| S 18 | 7 48 41 | 27°48'01 | 29°22 | 14°4  | 8°51  | 24°32 | 21°5  | 19°54  | 3°36 | 28°45  | 3°28 | 0°5    | 1°29 | 14°31 | 28°55  |   |
| S 19 | 7 52 38 | 28°49'05 | 13♁40 | 15°35 | 10°6  | 25°16 | 21°17 | 19°50  | 3°40 | 28°43  | 3°28 | 0°0    | 1°26 | 14°38 | 28°54  |   |
| M20  | 7 56 34 | 29°50'09 | 27°46 | 17°3  | 11°21 | 25°59 | 21°28 | 19°47  | 3°43 | 28°42  | 3°29 | 29♁56  | 1°23 | 14°44 | 28°53  |   |
| T 21 | 8 0 31  | 0♁51'12  | 11♁34 | 18°27 | 12°36 | 26°43 | 21°40 | 19°44  | 3°46 | 28°41  | 3°30 | 29°53  | 1°20 | 14°51 | 28°52  |   |
| W22  | 8 4 27  | 1°52'14  | 25°1  | 19°48 | 13°51 | 27°27 | 21°52 | 19°41  | 3°50 | 28°39  | 3°30 | 29°D52 | 1°17 | 14°58 | 28°50  |   |
| T 23 | 8 8 24  | 2°53'15  | 8♁7   | 21°5  | 15°6  | 28°10 | 22°3  | 19°38  | 3°53 | 28°38  | 3°31 | 29°52  | 1°13 | 15°5  | 28°50  |   |
| F 24 | 8 12 20 | 3°54'15  | 20°51 | 22°16 | 16°21 | 28°54 | 22°15 | 19°35  | 3°56 | 28°36  | 3°31 | 29°54  | 1°10 | 15°11 | 28°49  |   |
| S 25 | 8 16 17 | 4°55'13  | 3♁17  | 23°21 | 17°36 | 29°38 | 22°27 | 19°32  | 3°59 | 28°35  | 3°31 | 29°55  | 1°7  | 15°18 | 28°48  |   |
| S 26 | 8 20 14 | 5°56'11  | 15°28 | 24°19 | 18°51 | 0♁22  | 22°39 | 19°30  | 4°3  | 28°34  | 3°32 | 29°57  | 1°4  | 15°25 | 28°47  |   |
| M27  | 8 24 10 | 6°57'07  | 27°27 | 25°9  | 20°6  | 1°6   | 22°52 | 19°27  | 4°6  | 28°33  | 3°32 | 29°58  | 1°1  | 15°31 | 28°46  |   |
| T 28 | 8 28 7  | 7°58'02  | 9♁20  | 25°51 | 21°22 | 1°50  | 23°4  | 19°25  | 4°9  | 28°31  | 3°32 | 29°R59 | 0°57 | 15°38 | 28°46  |   |
| W29  | 8 32 3  | 8°58'56  | 21°13 | 26°24 | 22°37 | 2°34  | 23°16 | 19°22  | 4°12 | 28°30  | 3°33 | 29°58  | 0°54 | 15°45 | 28°45  |   |
| T 30 | 8 36 0  | 9°59'48  | 3♁8   | 26°47 | 23°52 | 3°18  | 23°29 | 19°20  | 4°15 | 28°29  | 3°33 | 29°56  | 0°51 | 15°52 | 28°45  |   |
| F 31 | 8 39 56 | 11♁0'39  | 15♁11 | 26♁59 | 25♁7  | 4♁2   | 23♁41 | 19♁18  | 4♁18 | 28♁28  | 3♁33 | 29♁54  | 0♁48 | 15♁58 | 28♁44  |   |

Delta T = 10.88 sec.

Greg. Calendar

FEBRUARY 1738

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅      | ♁    | ♁      | ♁     | ♁      | ♁     | ♁     | ♁      | ♁ |
|------|----------|----------|-------|--------|-------|-------|-------|--------|------|--------|-------|--------|-------|-------|--------|---|
| S 1  | 8 43 53  | 12♁1'29  | 27♁26 | 27°R 1 | 26♁22 | 4♁46  | 23♁54 | 19°R16 | 4♁21 | 28°R27 | 3♁33  | 29°R51 | 0♁45  | 16♁5  | 28°R44 |   |
| S 2  | 8 47 49  | 13°2'18  | 9♁55  | 26♁51  | 27°37 | 5°30  | 24°6  | 19♁14  | 4°24 | 28♁26  | 3°33  | 29♁48  | 0°42  | 16°12 | 28♁44  |   |
| M 3  | 8 51 46  | 14°3'05  | 22°41 | 26°31  | 28°52 | 6°14  | 24°19 | 19°12  | 4°27 | 28°24  | 3°34  | 29°46  | 0°38  | 16°19 | 28°43  |   |
| T 4  | 8 55 43  | 15°3'50  | 5♁44  | 25°59  | 0♁7   | 6°58  | 24°32 | 19°11  | 4°30 | 28°23  | 3°34  | 29°44  | 0°35  | 16°25 | 28°43  |   |
| W 5  | 8 59 39  | 16°4'34  | 19°3  | 25°18  | 1°22  | 7°42  | 24°45 | 19°9   | 4°33 | 28°22  | 3°R34 | 29°43  | 0°32  | 16°32 | 28°D43 |   |
| T 6  | 9 3 36   | 17°5'17  | 2♁38  | 24°29  | 2°37  | 8°26  | 24°58 | 19°7   | 4°36 | 28°21  | 3°34  | 29°D43 | 0°29  | 16°39 | 28°43  |   |
| F 7  | 9 7 32   | 18°5'59  | 16°26 | 23°31  | 3°52  | 9°11  | 25°11 | 19°6   | 4°39 | 28°20  | 3°34  | 29°43  | 0°26  | 16°45 | 28°43  |   |
| S 8  | 9 11 29  | 19°6'39  | 0♁24  | 22°28  | 5°7   | 9°55  | 25°24 | 19°5   | 4°42 | 28°19  | 3°33  | 29°44  | 0°23  | 16°52 | 28°44  |   |
| S 9  | 9 15 25  | 20°7'19  | 14°30 | 21°21  | 6°22  | 10°39 | 25°37 | 19°4   | 4°45 | 28°18  | 3°33  | 29°45  | 0°19  | 16°59 | 28°44  |   |
| M10  | 9 19 22  | 21°7'57  | 28°40 | 20°12  | 7°37  | 11°24 | 25°50 | 19°3   | 4°47 | 28°18  | 3°33  | 29°46  | 0°16  | 17°6  | 28°44  |   |
| T 11 | 9 23 18  | 22°8'34  | 12♁53 | 19°2   | 8°52  | 12°8  | 26°3  | 19°2   | 4°50 | 28°17  | 3°33  | 29°46  | 0°13  | 17°12 | 28°45  |   |
| W12  | 9 27 15  | 23°9'09  | 27°5  | 17°54  | 10°7  | 12°52 | 26°17 | 19°1   | 4°53 | 28°16  | 3°33  | 29°R46 | 0°10  | 17°19 | 28°45  |   |
| T 13 | 9 31 12  | 24°9'44  | 11♁14 | 16°49  | 11°22 | 13°37 | 26°30 | 19°0   | 4°56 | 28°15  | 3°32  | 29°46  | 0°7   | 17°26 | 28°46  |   |
| F 14 | 9 35 8   | 25°10'18 | 25°19 | 15°48  | 12°37 | 14°21 | 26°43 | 18°59  | 4°58 | 28°14  | 3°32  | 29°46  | 0°3   | 17°32 | 28°46  |   |
| S 15 | 9 39 5   | 26°10'50 | 9♁16  | 14°53  | 13°52 | 15°6  | 26°57 | 18°59  | 5°1  | 28°13  | 3°32  | 29°45  | 0°0   | 17°39 | 28°47  |   |
| S 16 | 9 43 1   | 27°11'21 | 23°4  | 14°5   | 15°7  | 15°50 | 27°11 | 18°59  | 5°3  | 28°13  | 3°31  | 29°45  | 29♁57 | 17°46 | 28°48  |   |
| M17  | 9 46 58  | 28°11'50 | 6♁41  | 13°23  | 16°22 | 16°35 | 27°24 | 18°58  | 5°6  | 28°12  | 3°31  | 29°45  | 29°54 | 17°53 | 28°49  |   |
| T 18 | 9 50 54  | 29°12'18 | 20°4  | 12°49  | 17°37 | 17°20 | 27°38 | 18°58  | 5°8  | 28°11  | 3°31  | 29°45  | 29°51 | 17°59 | 28°50  |   |
| W19  | 9 54 51  | 0♁12'44  | 3♁12  | 12°22  | 18°52 | 18°4  | 27°51 | 18°D58 | 5°11 | 28°11  | 3°30  | 29°45  | 29°48 | 18°6  | 28°51  |   |
| T 20 | 9 58 47  | 1°13'09  | 16°5  | 12°3   | 20°7  | 18°49 | 28°5  | 18°58  | 5°13 | 28°10  | 3°30  | 29°45  | 29°44 | 18°13 | 28°52  |   |
| F 21 | 10 2 44  | 2°13'32  | 28°42 | 11°51  | 21°22 | 19°34 | 28°19 | 18°58  | 5°16 | 28°10  | 3°29  | 29°45  | 29°41 | 18°19 | 28°53  |   |
| S 22 | 10 6 40  | 3°13'53  | 11♁4  | 11°D46 | 22°37 | 20°18 | 28°33 | 18°59  | 5°18 | 28°9   | 3°28  | 29°44  | 29°38 | 18°26 | 28°54  |   |
| S 23 | 10 10 37 | 4°14'12  | 23°14 | 11°48  | 23°52 | 21°3  | 28°47 | 18°59  | 5°20 | 28°9   | 3°28  | 29°44  | 29°35 | 18°33 | 28°55  |   |
| M24  | 10 14 34 | 5°14'29  | 5♁15  | 11°56  | 25°7  | 21°48 | 29°1  | 19°0   | 5°22 | 28°8   | 3°27  | 29°43  | 29°32 | 18°40 | 28°57  |   |
| T 25 | 10 18 30 | 6°14'44  | 17°9  | 12°10  | 26°22 | 22°33 | 29°15 | 19°0   | 5°25 | 28°8   | 3°26  | 29°42  | 29°29 | 18°46 | 28°58  |   |
| W26  | 10 22 27 | 7°14'57  | 29°1  | 12°30  | 27°36 | 23°17 | 29°29 | 19°1   | 5°27 | 28°7   | 3°26  | 29°42  | 29°25 | 18°53 | 28°59  |   |
| T 27 | 10 26 23 | 8°15'08  | 10♁56 | 12°55  | 28°51 | 24°2  | 29°43 | 19°2   | 5°29 | 28°7   | 3°25  | 29°D42 | 29°22 | 19°0  | 29°1   |   |
| F 28 | 10 30 20 | 9♁15'17  | 22♁58 | 13♁25  | 0♁6   | 24♁47 | 29♁57 | 19♁3   | 5♁31 | 28♁7   | 3♁24  | 29♁42  | 29♁19 | 19♁7  | 29♁3   |   |

Delta T = 10.88 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1738

MAY 1738

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄     | ♅     | ♆     | ♇     | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| T 1  | 14 34 46 | 10♈20'22 | 27♎24 | 22♄54 | 17♄ 1 | 11♁36 | 14♏44 | 23♂14 | 6°R 4 | 28♂50 | 1°R56 | 26°R52 | 26♈ 2 | 26♄ 3 | 2♂32 |   |   |   |   |   |   |   |   |
| F 2  | 14 38 43 | 11°18'27 | 11♁55 | 24°52 | 18°15 | 12°21 | 14°57 | 23°20 | 6♄ 3  | 28°52 | 1♂54  | 26♈46  | 25°59 | 26°10 | 2°37 |   |   |   |   |   |   |   |   |
| S 3  | 14 42 39 | 12°16'30 | 26°51 | 26°48 | 19°29 | 13° 6 | 15°11 | 23°27 | 6° 2  | 28°53 | 1°53  | 26°38  | 25°56 | 26°17 | 2°41 |   |   |   |   |   |   |   |   |
| S 4  | 14 46 36 | 13°14'32 | 12♂ 3 | 28°41 | 20°43 | 13°52 | 15°25 | 23°33 | 6° 1  | 28°55 | 1°51  | 26°28  | 25°52 | 26°24 | 2°46 |   |   |   |   |   |   |   |   |
| M 5  | 14 50 32 | 14°12'31 | 27°22 | 0♂31  | 21°56 | 14°37 | 15°38 | 23°40 | 6° 0  | 28°57 | 1°49  | 26°18  | 25°49 | 26°30 | 2°50 |   |   |   |   |   |   |   |   |
| T 6  | 14 54 29 | 15°10'30 | 12♁36 | 2°17  | 23°10 | 15°22 | 15°52 | 23°47 | 5°58  | 28°58 | 1°48  | 26° 8  | 25°46 | 26°37 | 2°55 |   |   |   |   |   |   |   |   |
| W 7  | 14 58 25 | 16° 8'27 | 27°34 | 4° 1  | 24°24 | 16° 7 | 16° 5 | 23°53 | 5°57  | 29° 0 | 1°46  | 25°59  | 25°43 | 26°44 | 3° 0 |   |   |   |   |   |   |   |   |
| T 8  | 15 2 22  | 17° 6'22 | 12♄ 9 | 5°41  | 25°38 | 16°53 | 16°19 | 24° 0 | 5°56  | 29° 2 | 1°44  | 25°53  | 25°40 | 26°50 | 3° 5 |   |   |   |   |   |   |   |   |
| F 9  | 15 6 19  | 18° 4'16 | 26°17 | 7°18  | 26°52 | 17°38 | 16°32 | 24° 7 | 5°55  | 29° 3 | 1°43  | 25°50  | 25°37 | 26°57 | 3° 9 |   |   |   |   |   |   |   |   |
| S 10 | 15 10 15 | 19° 2'09 | 9♁57  | 8°52  | 28° 5 | 18°23 | 16°46 | 24°14 | 5°53  | 29° 5 | 1°41  | 25°49  | 25°33 | 27° 4 | 3°14 |   |   |   |   |   |   |   |   |
| S 11 | 15 14 12 | 20° 0'01 | 23°12 | 10°21 | 29°19 | 19° 8 | 16°59 | 24°21 | 5°52  | 29° 7 | 1°40  | 25°49  | 25°30 | 27°11 | 3°19 |   |   |   |   |   |   |   |   |
| M12  | 15 18 8  | 20°57'51 | 6♁ 3  | 11°48 | 0♂33  | 19°53 | 17°12 | 24°28 | 5°50  | 29° 9 | 1°38  | 25°48  | 25°27 | 27°17 | 3°24 |   |   |   |   |   |   |   |   |
| T 13 | 15 22 5  | 21°55'41 | 18°36 | 13°10 | 1°47  | 20°38 | 17°25 | 24°35 | 5°49  | 29°11 | 1°36  | 25°47  | 25°24 | 27°24 | 3°29 |   |   |   |   |   |   |   |   |
| W14  | 15 26 1  | 22°53'29 | 0♏55  | 14°29 | 3° 1  | 21°23 | 17°38 | 24°42 | 5°47  | 29°13 | 1°35  | 25°43  | 25°21 | 27°31 | 3°33 |   |   |   |   |   |   |   |   |
| T 15 | 15 29 58 | 23°51'15 | 13° 3 | 15°44 | 4°14  | 22° 8 | 17°51 | 24°49 | 5°46  | 29°14 | 1°33  | 25°37  | 25°17 | 27°37 | 3°38 |   |   |   |   |   |   |   |   |
| F 16 | 15 33 54 | 24°49'01 | 25° 4 | 16°55 | 5°28  | 22°53 | 18° 4 | 24°56 | 5°44  | 29°16 | 1°32  | 25°28  | 25°14 | 27°44 | 3°43 |   |   |   |   |   |   |   |   |
| S 17 | 15 37 51 | 25°46'45 | 7♄ 0  | 18° 2 | 6°42  | 23°38 | 18°17 | 25° 3 | 5°42  | 29°18 | 1°30  | 25°16  | 25°11 | 27°51 | 3°48 |   |   |   |   |   |   |   |   |
| S 18 | 15 41 47 | 26°44'29 | 18°53 | 19° 6 | 7°55  | 24°23 | 18°30 | 25°10 | 5°41  | 29°20 | 1°29  | 25° 3  | 25° 8 | 27°58 | 3°53 |   |   |   |   |   |   |   |   |
| M19  | 15 45 44 | 27°42'10 | 0♂45  | 20° 5 | 9° 9  | 25° 8 | 18°43 | 25°18 | 5°39  | 29°22 | 1°27  | 24°48  | 25° 5 | 28° 4 | 3°58 |   |   |   |   |   |   |   |   |
| T 20 | 15 49 41 | 28°39'51 | 12°37 | 21° 0 | 10°23 | 25°53 | 18°56 | 25°25 | 5°37  | 29°24 | 1°26  | 24°35  | 25° 2 | 28°11 | 4° 2 |   |   |   |   |   |   |   |   |
| W21  | 15 53 37 | 29°37'30 | 24°31 | 21°51 | 11°36 | 26°37 | 19° 9 | 25°32 | 5°36  | 29°26 | 1°24  | 24°23  | 24°58 | 28°18 | 4° 7 |   |   |   |   |   |   |   |   |
| T 22 | 15 57 34 | 0♂35'08  | 6♄28  | 22°38 | 12°50 | 27°22 | 19°21 | 25°40 | 5°34  | 29°28 | 1°23  | 24°13  | 24°55 | 28°25 | 4°12 |   |   |   |   |   |   |   |   |
| F 23 | 16 1 30  | 1°32'45  | 18°31 | 23°21 | 14° 4 | 28° 7 | 19°34 | 25°47 | 5°32  | 29°30 | 1°22  | 24° 6  | 24°52 | 28°31 | 4°17 |   |   |   |   |   |   |   |   |
| S 24 | 16 5 27  | 2°30'20  | 0♈42  | 23°59 | 15°17 | 28°51 | 19°46 | 25°54 | 5°30  | 29°32 | 1°20  | 24° 2  | 24°49 | 28°38 | 4°22 |   |   |   |   |   |   |   |   |
| S 25 | 16 9 23  | 3°27'54  | 13° 7 | 24°33 | 16°31 | 29°36 | 19°59 | 26° 2 | 5°28  | 29°34 | 1°19  | 24° 0  | 24°46 | 28°45 | 4°27 |   |   |   |   |   |   |   |   |
| M26  | 16 13 20 | 4°25'26  | 25°47 | 25° 2 | 17°44 | 0♏21  | 20°11 | 26° 9 | 5°26  | 29°36 | 1°17  | 24°D 0 | 24°43 | 28°51 | 4°32 |   |   |   |   |   |   |   |   |
| T 27 | 16 17 17 | 5°22'57  | 8♂49  | 25°27 | 18°58 | 1° 5  | 20°23 | 26°17 | 5°24  | 29°38 | 1°16  | 24°R 0 | 24°39 | 28°58 | 4°37 |   |   |   |   |   |   |   |   |
| W28  | 16 21 13 | 6°20'27  | 22°16 | 25°47 | 20°11 | 1°50  | 20°35 | 26°24 | 5°22  | 29°40 | 1°15  | 23°59  | 24°36 | 29° 5 | 4°42 |   |   |   |   |   |   |   |   |
| T 29 | 16 25 10 | 7°17'55  | 6♁10  | 26° 2 | 21°25 | 2°34  | 20°47 | 26°32 | 5°20  | 29°43 | 1°13  | 23°56  | 24°33 | 29°12 | 4°47 |   |   |   |   |   |   |   |   |
| F 30 | 16 29 6  | 8°15'22  | 20°32 | 26°13 | 22°38 | 3°18  | 20°59 | 26°39 | 5°18  | 29°45 | 1°12  | 23°51  | 24°30 | 29°18 | 4°51 |   |   |   |   |   |   |   |   |
| S 31 | 16 33 3  | 9♂12'48  | 5♂20  | 26♂19 | 23♂52 | 4♏ 3  | 21♏11 | 26♂47 | 5♄16  | 29♂47 | 1♂11  | 23♂44  | 24♂27 | 29♂25 | 4♂56 |   |   |   |   |   |   |   |   |

Delta T = 10.88 sec.

Greg. Calendar

JUNE 1738

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♄     | ♅     | ♆     | ♇     | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| S 1  | 16 36 59 | 10♂10'12 | 20♂27 | 26°R21 | 25♂ 5 | 4♏47  | 21♏23 | 26♂54 | 5°R14 | 29♂49 | 1°R10 | 23°R35 | 24♈23 | 29♄32 | 5♂ 1 |   |   |   |   |   |   |   |   |
| M 2  | 16 40 56 | 11° 7'36 | 5♁45  | 26♂18  | 26°19 | 5°31  | 21°35 | 27° 2 | 5♄12  | 29°51 | 1♂ 9  | 23♈25  | 24°20 | 29°38 | 5° 6 |   |   |   |   |   |   |   |   |
| T 3  | 16 44 52 | 12° 4'59 | 21° 2 | 26°10  | 27°32 | 6°15  | 21°47 | 27°10 | 5°10  | 29°53 | 1° 7  | 23°15  | 24°17 | 29°45 | 5°11 |   |   |   |   |   |   |   |   |
| W 4  | 16 48 49 | 13° 2'21 | 6♄ 3  | 25°59  | 28°46 | 6°59  | 21°58 | 27°17 | 5° 7  | 29°55 | 1° 6  | 23° 7  | 24°14 | 29°52 | 5°16 |   |   |   |   |   |   |   |   |
| T 5  | 16 52 46 | 13°59'42 | 20°51 | 25°43  | 29°59 | 7°44  | 22°10 | 27°25 | 5° 5  | 29°57 | 1° 5  | 23° 1  | 24°11 | 29°59 | 5°21 |   |   |   |   |   |   |   |   |
| F 6  | 16 56 42 | 14°57'02 | 5♁ 8  | 25°24  | 1♄12  | 8°28  | 22°21 | 27°33 | 5° 3  | 0♄ 0  | 1° 4  | 22°58  | 24° 8 | 0♂ 5  | 5°26 |   |   |   |   |   |   |   |   |
| S 7  | 17 0 39  | 15°54'22 | 18°56 | 25° 1  | 2°26  | 9°12  | 22°32 | 27°41 | 5° 1  | 0° 2  | 1° 3  | 22°D57 | 24° 4 | 0°12  | 5°30 |   |   |   |   |   |   |   |   |
| S 8  | 17 4 35  | 16°51'42 | 2♁16  | 24°35  | 3°39  | 9°55  | 22°44 | 27°48 | 4°59  | 0° 4  | 1° 2  | 22°57  | 24° 1 | 0°19  | 5°35 |   |   |   |   |   |   |   |   |
| M 9  | 17 8 32  | 17°49'01 | 15°11 | 24° 6  | 4°52  | 10°39 | 22°55 | 27°56 | 4°56  | 0° 6  | 1° 1  | 22°R57 | 23°58 | 0°26  | 5°40 |   |   |   |   |   |   |   |   |
| T 10 | 17 12 28 | 18°46'19 | 27°44 | 23°36  | 6° 6  | 11°23 | 23° 6 | 28° 4 | 4°54  | 0° 8  | 1° 0  | 22°57  | 23°55 | 0°32  | 5°45 |   |   |   |   |   |   |   |   |
| W11  | 17 16 25 | 19°43'37 | 10♏ 1 | 23° 3  | 7°19  | 12° 7 | 23°17 | 28°12 | 4°52  | 0°11  | 0°59  | 22°55  | 23°52 | 0°39  | 5°50 |   |   |   |   |   |   |   |   |
| T 12 | 17 20 21 | 20°40'55 | 22° 6 | 22°30  | 8°32  | 12°50 | 23°28 | 28°19 | 4°49  | 0°13  | 0°58  | 22°51  | 23°49 | 0°46  | 5°55 |   |   |   |   |   |   |   |   |
| F 13 | 17 24 18 | 21°38'13 | 4♄ 3  | 21°56  | 9°46  | 13°34 | 23°38 | 28°27 | 4°47  | 0°15  | 0°57  | 22°44  | 23°45 | 0°52  | 5°59 |   |   |   |   |   |   |   |   |
| S 14 | 17 28 15 | 22°35'30 | 15°55 | 21°22  | 10°59 | 14°18 | 23°49 | 28°35 | 4°45  | 0°17  | 0°56  | 22°35  | 23°42 | 0°59  | 6° 4 |   |   |   |   |   |   |   |   |
| S 15 | 17 32 11 | 23°32'46 | 27°47 | 20°49  | 12°12 | 15° 1 | 24° 0 | 28°43 | 4°42  | 0°19  | 0°55  | 22°25  | 23°39 | 1° 6  | 6° 9 |   |   |   |   |   |   |   |   |
| M16  | 17 36 8  | 24°30'03 | 9♂39  | 20°16  | 13°26 | 15°44 | 24°10 | 28°51 | 4°40  | 0°22  | 0°54  | 22°14  | 23°36 | 1°13  | 6°14 |   |   |   |   |   |   |   |   |
| T 17 | 17 40 4  | 25°27'19 | 21°34 | 19°46  | 14°39 | 16°28 | 24°20 | 28°58 | 4°38  | 0°24  | 0°54  | 22° 3  | 23°33 | 1°19  | 6°18 |   |   |   |   |   |   |   |   |
| W18  | 17 44 1  | 26°24'34 | 3♄33  | 19°18  | 15°52 | 17°11 | 24°31 | 29° 6 | 4°35  | 0°26  | 0°53  | 21°54  | 23°29 | 1°26  | 6°23 |   |   |   |   |   |   |   |   |
| T 19 | 17 47 57 | 27°21'49 | 15°38 | 18°52  | 17° 5 | 17°54 | 24°41 | 29°14 | 4°33  | 0°28  | 0°52  | 21°46  | 23°26 | 1°33  | 6°28 |   |   |   |   |   |   |   |   |
| F 20 | 17 51 54 | 28°19'04 | 27°50 | 18°30  | 18°18 | 18°37 | 24°51 | 29°22 | 4°30  | 0°31  | 0°51  | 21°41  | 23°23 | 1°40  | 6°32 |   |   |   |   |   |   |   |   |
| S 21 | 17 55 50 | 29°16'18 | 10♈12 | 18°11  | 19°32 | 19°20 | 25° 0 | 29°30 | 4°28  | 0°33  | 0°51  | 21°38  | 23°20 | 1°46  | 6°37 |   |   |   |   |   |   |   |   |
| S 22 | 17 59 47 | 0♄13'32  | 22°45 | 17°57  | 20°45 | 20° 3 | 25°10 | 29°38 | 4°25  | 0°35  | 0°50  | 21°D38 | 23°17 | 1°53  | 6°42 |   |   |   |   |   |   |   |   |
| M23  | 18 3 44  | 1°10'45  | 5♂32  | 17°46  | 21°58 | 20°46 | 25°20 | 29°45 | 4°23  | 0°37  | 0°49  | 21°38  | 23°14 | 2° 0  | 6°46 |   |   |   |   |   |   |   |   |
| T 24 | 18 7 40  | 2° 7'57  | 18°37 | 17°40  | 23°11 | 21°29 | 25°29 | 29°53 | 4°21  | 0°39  | 0°49  | 21°40  | 23°10 | 2° 6  | 6°51 |   |   |   |   |   |   |   |   |
| W25  | 18 11 37 | 3° 5'10  | 2♁ 2  | 17°D38 | 24°24 | 22°11 | 25°39 | 0♄ 1  | 4°18  | 0°42  | 0°48  | 21°R40 | 23° 7 | 2°13  | 6°56 |   |   |   |   |   |   |   |   |
| T 26 | 18 15 33 | 4° 2'21  | 15°49 | 17°41  | 25°37 | 22°54 | 25°48 | 0° 9  | 4°16  | 0°44  | 0°48  | 21°40  | 23° 4 | 2°20  | 7° 0 |   |   |   |   |   |   |   |   |
| F 27 | 18 19 30 | 4°59'32  | 0♂ 0  | 17°49  | 26°50 | 23°36 | 25°57 | 0°17  | 4°13  | 0°46  | 0°47  | 21°37  | 23° 1 | 2°27  | 7° 5 |   |   |   |   |   |   |   |   |
| S 28 | 18 23 26 | 5°56'43  | 14°33 | 18° 2  | 28° 3 | 24°19 | 26° 6 | 0°24  | 4°11  | 0°48  | 0°47  | 21°33  | 22°58 | 2°33  | 7° 9 |   |   |   |   |   |   |   |   |
| S 29 | 18 27 23 | 6°53'53  | 29°24 | 18°19  | 29°16 | 25° 1 | 26°15 | 0°32  | 4° 8  | 0°51  | 0°46  | 21°27  | 22°54 | 2°40  | 7°14 |   |   |   |   |   |   |   |   |
| M30  | 18 31 19 | 7♄51'04  | 14♁25 | 18♂42  | 0♈29  | 25♏43 | 26♏24 | 0♄40  | 4♄ 6  | 0♄53  | 0♂46  | 21♂21  | 22♂51 | 2♂47  | 7♂18 |   |   |   |   |   |   |   |   |

Delta T = 10.88 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1738

JULY 1738

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♁     | ♂     | ♃     | ♄    | ♅     | ♆    | ♇     | ♈      | ♉     | ♊     | ♋     | ♌ | ♍ |
|------|----------|----------|--------|--------|-------|-------|-------|------|-------|------|-------|--------|-------|-------|-------|---|---|
| T 1  | 18 35 16 | 8°48'14  | 29°29  | 19II 9 | 1♁42  | 26♂25 | 26♂33 | 0♁48 | 4°R 4 | 0♁55 | 0°R46 | 21°R15 | 22♁48 | 2II53 | 7II22 |   |   |
| W 2  | 18 39 13 | 9°45'24  | 14♁26  | 19°42  | 2°55  | 27° 7 | 26°41 | 0°56 | 4♁ 1  | 0°57 | 0♁45  | 21♁10  | 22°45 | 3° 0  | 7°27  |   |   |
| T 3  | 18 43 9  | 10°42'34 | 29° 6  | 20°19  | 4° 8  | 27°49 | 26°50 | 1° 3 | 3°59  | 0°59 | 0°45  | 21° 6  | 22°42 | 3° 7  | 7°31  |   |   |
| F 4  | 18 47 6  | 11°39'44 | 13♁24  | 21° 2  | 5°21  | 28°31 | 26°58 | 1°11 | 3°56  | 1° 2 | 0°45  | 21° 5  | 22°39 | 3°14  | 7°35  |   |   |
| S 5  | 18 51 2  | 12°36'55 | 27°15  | 21°49  | 6°34  | 29°13 | 27° 6 | 1°19 | 3°54  | 1° 4 | 0°44  | 21°D 4 | 22°35 | 3°20  | 7°40  |   |   |
| S 6  | 18 54 59 | 13°34'06 | 10♁40  | 22°41  | 7°47  | 29°54 | 27°14 | 1°27 | 3°52  | 1° 6 | 0°44  | 21° 5  | 22°32 | 3°27  | 7°44  |   |   |
| M 7  | 18 58 55 | 14°31'17 | 23°39  | 23°37  | 9° 0  | 0♁36  | 27°22 | 1°34 | 3°49  | 1° 8 | 0°44  | 21° 7  | 22°29 | 3°34  | 7°48  |   |   |
| T 8  | 19 2 52  | 15°28'29 | 6♂17   | 24°38  | 10°12 | 1°17  | 27°30 | 1°42 | 3°47  | 1°10 | 0°44  | 21° 8  | 22°26 | 3°41  | 7°52  |   |   |
| W 9  | 19 6 48  | 16°25'41 | 18°36  | 25°44  | 11°25 | 1°59  | 27°37 | 1°50 | 3°44  | 1°13 | 0°44  | 21°R 9 | 22°23 | 3°47  | 7°57  |   |   |
| T 10 | 19 10 45 | 17°22'53 | 0♁42   | 26°54  | 12°38 | 2°40  | 27°45 | 1°57 | 3°42  | 1°15 | 0°44  | 21° 8  | 22°20 | 3°54  | 8° 1  |   |   |
| F 11 | 19 14 42 | 18°20'07 | 12°39  | 28° 9  | 13°51 | 3°21  | 27°52 | 2° 5 | 3°40  | 1°17 | 0°D44 | 21° 5  | 22°16 | 4° 1  | 8° 5  |   |   |
| S 12 | 19 18 38 | 19°17'21 | 24°32  | 29°28  | 15° 4 | 4° 2  | 27°59 | 2°13 | 3°37  | 1°19 | 0°44  | 21° 2  | 22°13 | 4° 7  | 8° 9  |   |   |
| S 13 | 19 22 35 | 20°14'35 | 6II23  | 0♁51   | 16°16 | 4°43  | 28° 6 | 2°20 | 3°35  | 1°21 | 0°44  | 20°57  | 22°10 | 4°14  | 8°13  |   |   |
| M14  | 19 26 31 | 21°11'50 | 18°18  | 2°19   | 17°29 | 5°24  | 28°13 | 2°28 | 3°33  | 1°23 | 0°44  | 20°52  | 22° 7 | 4°21  | 8°17  |   |   |
| T 15 | 19 30 28 | 22° 9'06 | 0♁18   | 3°51   | 18°42 | 6° 4  | 28°19 | 2°35 | 3°31  | 1°26 | 0°44  | 20°47  | 22° 4 | 4°28  | 8°21  |   |   |
| W16  | 19 34 24 | 23° 6'22 | 12°25  | 5°26   | 19°54 | 6°45  | 28°26 | 2°43 | 3°28  | 1°28 | 0°44  | 20°42  | 22° 0 | 4°34  | 8°25  |   |   |
| T 17 | 19 38 21 | 24° 3'39 | 24°41  | 7° 6   | 21° 7 | 7°25  | 28°32 | 2°50 | 3°26  | 1°30 | 0°44  | 20°39  | 21°57 | 4°41  | 8°29  |   |   |
| F 18 | 19 42 17 | 25° 0'57 | 7♁ 7   | 8°49   | 22°20 | 8° 5  | 28°38 | 2°58 | 3°24  | 1°32 | 0°45  | 20°37  | 21°54 | 4°48  | 8°32  |   |   |
| S 19 | 19 46 14 | 25°58'14 | 19°45  | 10°36  | 23°32 | 8°45  | 28°44 | 3° 5 | 3°22  | 1°34 | 0°45  | 20°D37 | 21°51 | 4°54  | 8°36  |   |   |
| S 20 | 19 50 11 | 26°55'33 | 2♁34   | 12°25  | 24°45 | 9°25  | 28°50 | 3°13 | 3°20  | 1°36 | 0°45  | 20°37  | 21°48 | 5° 1  | 8°40  |   |   |
| M21  | 19 54 7  | 27°52'51 | 15°38  | 14°18  | 25°57 | 10° 5 | 28°56 | 3°20 | 3°17  | 1°38 | 0°45  | 20°38  | 21°45 | 5° 8  | 8°44  |   |   |
| T 22 | 19 58 4  | 28°50'10 | 28°55  | 16°14  | 27°10 | 10°45 | 29° 2 | 3°27 | 3°15  | 1°40 | 0°46  | 20°40  | 21°41 | 5°15  | 8°47  |   |   |
| W23  | 20 2 0   | 29°47'30 | 12♁28  | 18°11  | 28°22 | 11°25 | 29° 7 | 3°35 | 3°13  | 1°42 | 0°46  | 20°41  | 21°38 | 5°21  | 8°51  |   |   |
| T 24 | 20 5 57  | 0♁44'50  | 26°17  | 20°11  | 29°35 | 12° 4 | 29°12 | 3°42 | 3°11  | 1°44 | 0°47  | 20°R42 | 21°35 | 5°28  | 8°54  |   |   |
| F 25 | 20 9 53  | 1°42'10  | 10II22 | 22°13  | 0♁47  | 12°43 | 29°17 | 3°49 | 3° 9  | 1°46 | 0°47  | 20°41  | 21°32 | 5°35  | 8°58  |   |   |
| S 26 | 20 13 50 | 2°39'31  | 24°41  | 24°16  | 2° 0  | 13°22 | 29°22 | 3°57 | 3° 7  | 1°48 | 0°47  | 20°40  | 21°29 | 5°41  | 9° 1  |   |   |
| S 27 | 20 17 46 | 3°36'53  | 9♁12   | 26°21  | 3°12  | 14° 1 | 29°27 | 4° 4 | 3° 5  | 1°50 | 0°48  | 20°39  | 21°26 | 5°48  | 9° 5  |   |   |
| M28  | 20 21 43 | 4°34'15  | 23°49  | 28°26  | 4°24  | 14°40 | 29°31 | 4°11 | 3° 3  | 1°52 | 0°49  | 20°37  | 21°22 | 5°55  | 9° 8  |   |   |
| T 29 | 20 25 40 | 5°31'37  | 8♁29   | 0♁31   | 5°36  | 15°19 | 29°36 | 4°18 | 3° 1  | 1°54 | 0°49  | 20°35  | 21°19 | 6° 2  | 9°11  |   |   |
| W30  | 20 29 36 | 6°29'01  | 23° 3  | 2°37   | 6°49  | 15°57 | 29°40 | 4°25 | 2°59  | 1°56 | 0°50  | 20°33  | 21°16 | 6° 8  | 9°15  |   |   |
| T 31 | 20 33 33 | 7♁26'25  | 7♁26   | 4♁42   | 8♁ 1  | 16♁36 | 29°44 | 4♁32 | 2♁57  | 1♁58 | 0♁50  | 20♁32  | 21♁13 | 6II15 | 9II18 |   |   |

Delta T = 10.88 sec.

Greg. Calendar

AUGUST 1738

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄    | ♅     | ♆    | ♇    | ♈      | ♉     | ♊     | ♋      | ♌ | ♍ |
|------|----------|----------|-------|-------|-------|-------|-------|------|-------|------|------|--------|-------|-------|--------|---|---|
| F 1  | 20 37 29 | 8♁23'51  | 21♁32 | 6♁47  | 9♁13  | 17♁14 | 29♂47 | 4♁39 | 2°R56 | 2♁ 0 | 0♁51 | 20♁32  | 21♁10 | 6II22 | 9II21  |   |   |
| S 2  | 20 41 26 | 9°21'17  | 5♁17  | 8°52  | 10°25 | 17°52 | 29°51 | 4°46 | 2♁54  | 2° 2 | 0°52 | 20°33  | 21° 6 | 6°29  | 9°24   |   |   |
| S 3  | 20 45 22 | 10°18'44 | 18°41 | 10°55 | 11°37 | 18°30 | 29°55 | 4°53 | 2°52  | 2° 3 | 0°53 | 20°33  | 21° 3 | 6°35  | 9°27   |   |   |
| M 4  | 20 49 19 | 11°16'13 | 1♂41  | 12°58 | 12°49 | 19° 7 | 29°58 | 5° 0 | 2°50  | 2° 5 | 0°53 | 20°34  | 21° 0 | 6°42  | 9°30   |   |   |
| T 5  | 20 53 15 | 12°13'42 | 14°21 | 15° 0 | 14° 1 | 19°45 | 0♁ 1  | 5° 7 | 2°49  | 2° 7 | 0°54 | 20°35  | 20°57 | 6°49  | 9°33   |   |   |
| W 6  | 20 57 12 | 13°11'14 | 26°43 | 17° 0 | 15°13 | 20°22 | 0° 4  | 5°13 | 2°47  | 2° 9 | 0°55 | 20°36  | 20°54 | 6°55  | 9°36   |   |   |
| T 7  | 21 1 9   | 14° 8'46 | 8♁51  | 19° 0 | 16°25 | 20°59 | 0° 6  | 5°20 | 2°45  | 2°11 | 0°56 | 20°36  | 20°51 | 7° 2  | 9°39   |   |   |
| F 8  | 21 5 5   | 15° 6'20 | 20°50 | 20°58 | 17°37 | 21°36 | 0° 9  | 5°27 | 2°44  | 2°12 | 0°57 | 20°R36 | 20°47 | 7° 9  | 9°42   |   |   |
| S 9  | 21 9 2   | 16° 3'56 | 2II43 | 22°54 | 18°49 | 22°13 | 0°11  | 5°33 | 2°42  | 2°14 | 0°58 | 20°36  | 20°44 | 7°16  | 9°44   |   |   |
| S 10 | 21 12 58 | 17° 1'33 | 14°36 | 24°50 | 20° 1 | 22°50 | 0°13  | 5°40 | 2°41  | 2°16 | 0°59 | 20°35  | 20°41 | 7°22  | 9°47   |   |   |
| M11  | 21 16 55 | 17°59'11 | 26°33 | 26°43 | 21°13 | 23°26 | 0°15  | 5°46 | 2°39  | 2°17 | 1° 0 | 20°35  | 20°38 | 7°29  | 9°50   |   |   |
| T 12 | 21 20 51 | 18°56'51 | 8♁37  | 28°36 | 22°25 | 24° 3 | 0°17  | 5°53 | 2°38  | 2°19 | 1° 1 | 20°35  | 20°35 | 7°36  | 9°52   |   |   |
| W13  | 21 24 48 | 19°54'32 | 20°51 | 0♁27  | 23°37 | 24°39 | 0°18  | 5°59 | 2°36  | 2°21 | 1° 2 | 20°35  | 20°32 | 7°42  | 9°55   |   |   |
| T 14 | 21 28 44 | 20°52'15 | 3♁19  | 2°16  | 24°48 | 25°14 | 0°20  | 6° 6 | 2°35  | 2°22 | 1° 3 | 20°D35 | 20°28 | 7°49  | 9°57   |   |   |
| F 15 | 21 32 41 | 21°49'59 | 16° 1 | 4° 4  | 26° 0 | 25°50 | 0°21  | 6°12 | 2°34  | 2°24 | 1° 4 | 20°R35 | 20°25 | 7°56  | 9°59   |   |   |
| S 16 | 21 36 38 | 22°47'45 | 28°59 | 5°51  | 27°12 | 26°25 | 0°22  | 6°18 | 2°32  | 2°26 | 1° 5 | 20°35  | 20°22 | 8° 3  | 10° 2  |   |   |
| S 17 | 21 40 34 | 23°45'32 | 12♁11 | 7°36  | 28°23 | 27° 1 | 0°23  | 6°24 | 2°31  | 2°27 | 1° 6 | 20°34  | 20°19 | 8° 9  | 10° 4  |   |   |
| M18  | 21 44 31 | 24°43'20 | 25°38 | 9°20  | 29°35 | 27°35 | 0°23  | 6°30 | 2°30  | 2°29 | 1° 8 | 20°34  | 20°16 | 8°16  | 10° 6  |   |   |
| T 19 | 21 48 27 | 25°41'10 | 9♁18  | 11° 3 | 0♁46  | 28°10 | 0°23  | 6°36 | 2°29  | 2°30 | 1° 9 | 20°34  | 20°12 | 8°23  | 10° 8  |   |   |
| W20  | 21 52 24 | 26°39'00 | 23° 9 | 12°44 | 1°58  | 28°45 | 0°R24 | 6°42 | 2°28  | 2°32 | 1°10 | 20°33  | 20° 9 | 8°29  | 10°10  |   |   |
| T 21 | 21 56 20 | 27°36'52 | 7♁10  | 14°23 | 3° 9  | 29°19 | 0°24  | 6°48 | 2°27  | 2°33 | 1°12 | 20°32  | 20° 6 | 8°36  | 10°12  |   |   |
| F 22 | 22 0 17  | 28°34'45 | 21°18 | 16° 2 | 4°21  | 29°53 | 0°23  | 6°54 | 2°26  | 2°35 | 1°13 | 20°32  | 20° 3 | 8°43  | 10°14  |   |   |
| S 23 | 22 4 13  | 29°32'40 | 5♁31  | 17°39 | 5°32  | 0II27 | 0°23  | 7° 0 | 2°25  | 2°36 | 1°14 | 20°D32 | 20° 0 | 8°50  | 10°16  |   |   |
| S 24 | 22 8 10  | 0♁30'36  | 19°46 | 19°14 | 6°43  | 1° 0  | 0°22  | 7° 6 | 2°24  | 2°37 | 1°16 | 20°32  | 19°57 | 8°56  | 10°18  |   |   |
| M25  | 22 12 7  | 1°28'33  | 4♁ 2  | 20°49 | 7°55  | 1°33  | 0°21  | 7°11 | 2°23  | 2°39 | 1°17 | 20°33  | 19°53 | 9° 3  | 10°20  |   |   |
| T 26 | 22 16 3  | 2°26'31  | 18°15 | 22°22 | 9° 6  | 2° 6  | 0°20  | 7°17 | 2°22  | 2°40 | 1°19 | 20°34  | 19°50 | 9°10  | 10°21  |   |   |
| W27  | 22 20 0  | 3°24'31  | 2♁21  | 23°53 | 10°17 | 2°39  | 0°19  | 7°23 | 2°21  | 2°41 | 1°20 | 20°35  | 19°47 | 9°16  | 10°23  |   |   |
| T 28 | 22 23 56 | 4°22'32  | 16°18 | 25°24 | 11°28 | 3°12  | 0°18  | 7°28 | 2°20  | 2°43 | 1°22 | 20°R35 | 19°44 | 9°23  | 10°24  |   |   |
| F 29 | 22 27 53 | 5°20'35  | 0♁ 2  | 26°53 | 12°39 | 3°44  | 0°16  | 7°33 | 2°20  | 2°44 | 1°23 | 20°35  | 19°41 | 9°30  | 10°26  |   |   |
| S 30 | 22 31 49 | 6°18'39  | 13°32 | 28°21 | 13°50 | 4°16  | 0°14  | 7°39 | 2°19  | 2°45 | 1°25 | 20°34  | 19°38 | 9°37  | 10°27  |   |   |
| S 31 | 22 35 46 | 7♁16'45  | 26♁44 | 29♁47 | 15♁ 1 | 4II48 | 0♁12  | 7♁44 | 2♁19  | 2♁46 | 1♁26 | 20♁33  | 19♁34 | 9II43 | 10II28 |   |   |

Delta T = 10.88 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1738

SEPTEMBER 1738

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅    | ♁     | ♁    | ♁    | ♁      | ♁     | ♁     | ♁      |
|------|----------|----------|-------|--------|-------|-------|-------|------|-------|------|------|--------|-------|-------|--------|
| M 1  | 22 39 42 | 8♍14'53  | 9♍39  | 1♌12   | 16♌12 | 5♍19  | 0°R10 | 7♄49 | 2°R18 | 2♄47 | 1♌28 | 20°R30 | 19♌31 | 9♍50  | 10♍30  |
| T 2  | 22 43 39 | 9°13'03  | 22°16 | 2°36   | 17°22 | 5°50  | 0♃ 7  | 7°54 | 2♄18  | 2°48 | 1°30 | 20♌27  | 19°28 | 9°57  | 10°31  |
| W 3  | 22 47 35 | 10°11'14 | 4♃38  | 3°58   | 18°33 | 6°21  | 0° 5  | 7°59 | 2°17  | 2°50 | 1°31 | 20°25  | 19°25 | 10° 3 | 10°32  |
| T 4  | 22 51 32 | 11° 9'28 | 16°46 | 5°19   | 19°44 | 6°51  | 0° 2  | 8° 4 | 2°17  | 2°51 | 1°33 | 20°22  | 19°22 | 10°10 | 10°33  |
| F 5  | 22 55 29 | 12° 7'44 | 28°45 | 6°38   | 20°54 | 7°22  | 29♍59 | 8° 9 | 2°16  | 2°52 | 1°35 | 20°21  | 19°18 | 10°17 | 10°34  |
| S 6  | 22 59 25 | 13° 6'02 | 10♍38 | 7°56   | 22° 5 | 7°51  | 29°56 | 8°14 | 2°16  | 2°53 | 1°37 | 20°D20 | 19°15 | 10°24 | 10°35  |
| S 7  | 23 3 22  | 14° 4'21 | 22°31 | 9°12   | 23°15 | 8°21  | 29°52 | 8°18 | 2°16  | 2°54 | 1°38 | 20°20  | 19°12 | 10°30 | 10°36  |
| M 8  | 23 7 18  | 15° 2'44 | 4♄28  | 10°27  | 24°26 | 8°50  | 29°49 | 8°23 | 2°16  | 2°55 | 1°40 | 20°21  | 19° 9 | 10°37 | 10°36  |
| T 9  | 23 11 15 | 16° 1'08 | 16°33 | 11°40  | 25°36 | 9°19  | 29°45 | 8°28 | 2°15  | 2°56 | 1°42 | 20°23  | 19° 6 | 10°44 | 10°37  |
| W10  | 23 15 11 | 16°59'34 | 28°52 | 12°51  | 26°47 | 9°48  | 29°41 | 8°32 | 2°15  | 2°56 | 1°44 | 20°25  | 19° 3 | 10°50 | 10°38  |
| T 11 | 23 19 8  | 17°58'02 | 11♌27 | 14° 0  | 27°57 | 10°16 | 29°37 | 8°36 | 2°D15 | 2°57 | 1°46 | 20°26  | 18°59 | 10°57 | 10°38  |
| F 12 | 23 23 4  | 18°56'33 | 24°22 | 15° 7  | 29° 7 | 10°43 | 29°32 | 8°41 | 2°15  | 2°58 | 1°48 | 20°R26 | 18°56 | 11° 4 | 10°39  |
| S 13 | 23 27 1  | 19°55'05 | 7♍37  | 16°12  | 0♌17  | 11°11 | 29°28 | 8°45 | 2°15  | 2°59 | 1°49 | 20°25  | 18°53 | 11°11 | 10°39  |
| S 14 | 23 30 58 | 20°53'39 | 21°12 | 17°15  | 1°27  | 11°38 | 29°23 | 8°49 | 2°15  | 3° 0 | 1°51 | 20°22  | 18°50 | 11°17 | 10°39  |
| M15  | 23 34 54 | 21°52'15 | 5♌ 6  | 18°16  | 2°37  | 12° 5 | 29°18 | 8°53 | 2°16  | 3° 0 | 1°53 | 20°18  | 18°47 | 11°24 | 10°40  |
| T 16 | 23 38 51 | 22°50'53 | 19°14 | 19°14  | 3°47  | 12°31 | 29°13 | 8°57 | 2°16  | 3° 1 | 1°55 | 20°14  | 18°43 | 11°31 | 10°40  |
| W17  | 23 42 47 | 23°49'33 | 3♍32  | 20° 9  | 4°57  | 12°57 | 29° 8 | 9° 1 | 2°16  | 3° 2 | 1°57 | 20° 9  | 18°40 | 11°37 | 10°40  |
| T 18 | 23 46 44 | 24°48'15 | 17°55 | 21° 1  | 6° 7  | 13°22 | 29° 3 | 9° 4 | 2°16  | 3° 2 | 1°59 | 20° 4  | 18°37 | 11°44 | 10°R40 |
| F 19 | 23 50 40 | 25°46'58 | 2♌17  | 21°50  | 7°16  | 13°47 | 28°57 | 9° 8 | 2°17  | 3° 3 | 2° 1 | 20° 1  | 18°34 | 11°51 | 10°40  |
| S 20 | 23 54 37 | 26°45'44 | 16°35 | 22°36  | 8°26  | 14°12 | 28°51 | 9°11 | 2°17  | 3° 4 | 2° 4 | 19°59  | 18°31 | 11°58 | 10°40  |
| S 21 | 23 58 33 | 27°44'31 | 0♃46  | 23°18  | 9°36  | 14°36 | 28°46 | 9°15 | 2°18  | 3° 4 | 2° 6 | 19°D58 | 18°28 | 12° 4 | 10°39  |
| M22  | 0 2 30   | 28°43'19 | 14°47 | 23°56  | 10°45 | 15° 0 | 28°40 | 9°18 | 2°18  | 3° 5 | 2° 8 | 19°59  | 18°24 | 12°11 | 10°39  |
| T 23 | 0 6 27   | 29°42'10 | 28°39 | 24°29  | 11°54 | 15°23 | 28°34 | 9°21 | 2°19  | 3° 5 | 2°10 | 20° 0  | 18°21 | 12°18 | 10°39  |
| W24  | 0 10 23  | 0♌41'02  | 12♌20 | 24°58  | 13° 4 | 15°46 | 28°27 | 9°25 | 2°19  | 3° 6 | 2°12 | 20° 2  | 18°18 | 12°24 | 10°38  |
| T 25 | 0 14 20  | 1°39'55  | 25°51 | 25°21  | 14°13 | 16° 8 | 28°21 | 9°28 | 2°20  | 3° 6 | 2°14 | 20°R 2 | 18°15 | 12°31 | 10°38  |
| F 26 | 0 18 16  | 2°38'51  | 9♌10  | 25°40  | 15°22 | 16°30 | 28°14 | 9°31 | 2°21  | 3° 6 | 2°16 | 20° 0  | 18°12 | 12°38 | 10°37  |
| S 27 | 0 22 13  | 3°37'48  | 22°17 | 25°52  | 16°31 | 16°51 | 28° 8 | 9°33 | 2°22  | 3° 7 | 2°18 | 19°56  | 18° 9 | 12°45 | 10°37  |
| S 28 | 0 26 9   | 4°36'48  | 5♍13  | 25°R58 | 17°40 | 17°12 | 28° 1 | 9°36 | 2°22  | 3° 7 | 2°21 | 19°50  | 18° 5 | 12°51 | 10°36  |
| M29  | 0 30 6   | 5°35'49  | 17°55 | 25°57  | 18°48 | 17°32 | 27°54 | 9°39 | 2°23  | 3° 7 | 2°23 | 19°43  | 18° 2 | 12°58 | 10°35  |
| T 30 | 0 34 2   | 6♌34'53  | 0♃24  | 25♌48  | 19♍57 | 17♍52 | 27♍47 | 9♄41 | 2♄24  | 3♄ 7 | 2♌25 | 19♌34  | 17♌59 | 13♍ 5 | 10♍34  |

Delta T = 10.88 sec.

Greg. Calendar

OCTOBER 1738

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂      | ♃      | ♅      | ♁    | ♁     | ♁    | ♁      | ♁     | ♁     | ♁      |
|------|---------|----------|-------|--------|-------|--------|--------|--------|------|-------|------|--------|-------|-------|--------|
| W 1  | 0 37 59 | 7♌33'59  | 12♃40 | 25°R33 | 21♌ 6 | 18♍11  | 27°R40 | 9♄44   | 2♄25 | 3♄ 8  | 2♌27 | 19°R25 | 17♌56 | 13♍11 | 10°R33 |
| T 2  | 0 41 55 | 8°33'07  | 24°46 | 25♌ 9  | 22°14 | 18°30  | 27♍33  | 9°46   | 2°26 | 3° 8  | 2°30 | 19♌17  | 17°53 | 13°18 | 10♍32  |
| F 3  | 0 45 52 | 9°32'17  | 6♍43  | 24°38  | 23°22 | 18°48  | 27°25  | 9°48   | 2°27 | 3° 8  | 2°32 | 19°10  | 17°49 | 13°25 | 10°31  |
| S 4  | 0 49 49 | 10°31'30 | 18°35 | 23°58  | 24°31 | 19° 6  | 27°18  | 9°50   | 2°28 | 3° 8  | 2°34 | 19° 6  | 17°46 | 13°31 | 10°30  |
| S 5  | 0 53 45 | 11°30'44 | 0♄25  | 23°11  | 25°39 | 19°23  | 27°10  | 9°52   | 2°30 | 3° 8  | 2°36 | 19° 3  | 17°43 | 13°38 | 10°29  |
| M 6  | 0 57 42 | 12°30'02 | 12°20 | 22°17  | 26°47 | 19°39  | 27° 3  | 9°54   | 2°31 | 3°R 8 | 2°39 | 19°D 2 | 17°40 | 13°45 | 10°28  |
| T 7  | 1 1 38  | 13°29'21 | 24°23 | 21°16  | 27°55 | 19°55  | 26°55  | 9°56   | 2°32 | 3° 8  | 2°41 | 19° 3  | 17°37 | 13°52 | 10°26  |
| W 8  | 1 5 35  | 14°28'43 | 6♌40  | 20°10  | 29° 2 | 20°11  | 26°47  | 9°58   | 2°33 | 3° 8  | 2°43 | 19° 4  | 17°34 | 13°58 | 10°25  |
| T 9  | 1 9 31  | 15°28'07 | 19°16 | 19° 0  | 0♌10  | 20°25  | 26°40  | 9°59   | 2°35 | 3° 8  | 2°46 | 19°R 4 | 17°30 | 14° 5 | 10°23  |
| F 10 | 1 13 28 | 16°27'34 | 2♍15  | 17°48  | 1°17  | 20°39  | 26°32  | 10° 1  | 2°36 | 3° 8  | 2°48 | 19° 3  | 17°27 | 14°12 | 10°22  |
| S 11 | 1 17 24 | 17°27'02 | 15°40 | 16°35  | 2°25  | 20°52  | 26°24  | 10° 2  | 2°38 | 3° 8  | 2°50 | 19° 0  | 17°24 | 14°18 | 10°20  |
| S 12 | 1 21 21 | 18°26'33 | 29°31 | 15°25  | 3°32  | 21° 5  | 26°16  | 10° 4  | 2°39 | 3° 8  | 2°53 | 18°55  | 17°21 | 14°25 | 10°19  |
| M13  | 1 25 18 | 19°26'06 | 13♌46 | 14°18  | 4°39  | 21°17  | 26° 8  | 10° 5  | 2°41 | 3° 7  | 2°55 | 18°47  | 17°18 | 14°32 | 10°17  |
| T 14 | 1 29 14 | 20°25'41 | 28°20 | 13°17  | 5°46  | 21°28  | 26° 0  | 10° 6  | 2°42 | 3° 7  | 2°58 | 18°38  | 17°14 | 14°39 | 10°15  |
| W15  | 1 33 11 | 21°25'18 | 13♍ 6 | 12°23  | 6°53  | 21°38  | 25°52  | 10° 7  | 2°44 | 3° 7  | 3° 0 | 18°28  | 17°11 | 14°45 | 10°13  |
| T 16 | 1 37 7  | 22°24'57 | 27°56 | 11°39  | 7°59  | 21°48  | 25°44  | 10° 7  | 2°46 | 3° 7  | 3° 2 | 18°18  | 17° 8 | 14°52 | 10°11  |
| F 17 | 1 41 4  | 23°24'38 | 12♌41 | 11° 5  | 9° 6  | 21°57  | 25°35  | 10° 8  | 2°47 | 3° 6  | 3° 5 | 18°11  | 17° 5 | 14°59 | 10° 9  |
| S 18 | 1 45 0  | 24°24'21 | 27°15 | 10°42  | 10°12 | 22° 5  | 25°27  | 10° 9  | 2°49 | 3° 6  | 3° 7 | 18° 5  | 17° 2 | 15° 5 | 10° 7  |
| S 19 | 1 48 57 | 25°24'05 | 11♃33 | 10°30  | 11°18 | 22°12  | 25°19  | 10° 9  | 2°51 | 3° 6  | 3°10 | 18° 3  | 16°59 | 15°12 | 10° 5  |
| M20  | 1 52 53 | 26°23'52 | 25°33 | 10°D29 | 12°24 | 22°19  | 25°11  | 10°10  | 2°53 | 3° 5  | 3°12 | 18°D 2 | 16°55 | 15°19 | 10° 3  |
| T 21 | 1 56 50 | 27°23'39 | 9♌15  | 10°40  | 13°30 | 22°25  | 25° 3  | 10°10  | 2°55 | 3° 5  | 3°14 | 18° 2  | 16°52 | 15°25 | 10° 0  |
| W22  | 2 0 47  | 28°23'29 | 22°41 | 11° 1  | 14°35 | 22°30  | 24°55  | 10°10  | 2°57 | 3° 4  | 3°17 | 18°R 2 | 16°49 | 15°32 | 9°58   |
| T 23 | 2 4 43  | 29°23'20 | 5♌52  | 11°31  | 15°41 | 22°34  | 24°47  | 10°R10 | 2°59 | 3° 4  | 3°19 | 18° 1  | 16°46 | 15°39 | 9°56   |
| F 24 | 2 8 40  | 0♌23'12  | 18°50 | 12°11  | 16°46 | 22°38  | 24°39  | 10°10  | 3° 1 | 3° 3  | 3°22 | 17°57  | 16°43 | 15°46 | 9°53   |
| S 25 | 2 12 36 | 1°23'07  | 1♍37  | 12°59  | 17°51 | 22°41  | 24°31  | 10°10  | 3° 3 | 3° 2  | 3°24 | 17°51  | 16°40 | 15°52 | 9°51   |
| S 26 | 2 16 33 | 2°23'03  | 14°13 | 13°55  | 18°55 | 22°42  | 24°23  | 10° 9  | 3° 5 | 3° 2  | 3°26 | 17°41  | 16°36 | 15°59 | 9°48   |
| M27  | 2 20 29 | 3°23'01  | 26°39 | 14°57  | 20° 0 | 22°43  | 24°15  | 10° 9  | 3° 7 | 3° 1  | 3°29 | 17°29  | 16°33 | 16° 6 | 9°46   |
| T 28 | 2 24 26 | 4°23'01  | 8♃56  | 16° 4  | 21° 4 | 22°R44 | 24° 7  | 10° 8  | 3°10 | 3° 0  | 3°31 | 17°16  | 16°30 | 16°12 | 9°43   |
| W29  | 2 28 22 | 5°23'03  | 21° 4 | 17°17  | 22° 8 | 22°43  | 23°59  | 10° 8  | 3°12 | 3° 0  | 3°34 | 17° 2  | 16°27 | 16°19 | 9°40   |
| T 30 | 2 32 19 | 6°23'07  | 3♍ 5  | 18°34  | 23°12 | 22°41  | 23°51  | 10° 7  | 3°14 | 2°59  | 3°36 | 16°48  | 16°24 | 16°26 | 9°37   |
| F 31 | 2 36 16 | 7♌23'13  | 14♍59 | 19♌54  | 24♌15 | 22♍39  | 23♍44  | 10♄ 6  | 3♄17 | 2♄58  | 3♌39 | 16♌37  | 16♌20 | 16♍33 | 9♍35   |

Delta T = 10.88 sec.

Greg. Calendar

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SWISS EPHEMERIS for the year 1738

NOVEMBER 1738

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀     | ♁     | ♂      | ♃      | ♅      | ♁    | ♁     | ♁    | ♁      | ♁     | ♁     | ♁     |
|------|---------|----------|--------|-------|-------|--------|--------|--------|------|-------|------|--------|-------|-------|-------|
| S 1  | 2 40 12 | 8♁23'21  | 26♁49  | 21♁18 | 25♁18 | 22°R36 | 23°R36 | 10°R 5 | 3♁19 | 2°R57 | 3♁41 | 16°R28 | 16♁17 | 16♁39 | 9°R32 |
| S 2  | 2 44 9  | 9°23'30  | 8♁38   | 22°44 | 26°21 | 22♁31  | 23°V28 | 10♁ 4  | 3°21 | 2♁57  | 3°43 | 16♁22  | 16°14 | 16°46 | 9♁29  |
| M 3  | 2 48 5  | 10°23'42 | 20°30  | 24°12 | 27°23 | 22°26  | 23°21  | 10° 3  | 3°24 | 2°56  | 3°46 | 16°18  | 16°11 | 16°53 | 9°26  |
| T 4  | 2 52 2  | 11°23'56 | 2♁30   | 25°42 | 28°26 | 22°20  | 23°14  | 10° 2  | 3°26 | 2°55  | 3°48 | 16°17  | 16° 8 | 16°59 | 9°23  |
| W 5  | 2 55 58 | 12°24'12 | 14°43  | 27°14 | 29°28 | 22°13  | 23° 6  | 10° 0  | 3°29 | 2°54  | 3°51 | 16°17  | 16° 5 | 17° 6 | 9°20  |
| T 6  | 2 59 55 | 13°24'30 | 27°15  | 28°46 | 0♁29  | 22° 6  | 22°59  | 9°59   | 3°31 | 2°53  | 3°53 | 16°16  | 16° 1 | 17°13 | 9°17  |
| F 7  | 3 3 51  | 14°24'50 | 10♁10  | 0♁20  | 1°31  | 21°57  | 22°52  | 9°57   | 3°34 | 2°52  | 3°56 | 16°15  | 15°58 | 17°19 | 9°14  |
| S 8  | 3 7 48  | 15°25'12 | 23°33  | 1°54  | 2°32  | 21°48  | 22°45  | 9°55   | 3°37 | 2°51  | 3°58 | 16°11  | 15°55 | 17°26 | 9°11  |
| S 9  | 3 11 45 | 16°25'36 | 7♁26   | 3°29  | 3°32  | 21°37  | 22°38  | 9°53   | 3°39 | 2°50  | 4° 0 | 16° 5  | 15°52 | 17°33 | 9° 7  |
| M10  | 3 15 41 | 17°26'02 | 21°48  | 5° 4  | 4°32  | 21°26  | 22°32  | 9°51   | 3°42 | 2°49  | 4° 3 | 15°56  | 15°49 | 17°40 | 9° 4  |
| T 11 | 3 19 38 | 18°26'29 | 6♁35   | 6°40  | 5°32  | 21°14  | 22°25  | 9°49   | 3°45 | 2°48  | 4° 5 | 15°45  | 15°46 | 17°46 | 9° 1  |
| W12  | 3 23 34 | 19°26'58 | 21°40  | 8°15  | 6°32  | 21° 1  | 22°19  | 9°47   | 3°48 | 2°47  | 4° 7 | 15°33  | 15°42 | 17°53 | 8°58  |
| T 13 | 3 27 31 | 20°27'29 | 6♁52   | 9°51  | 7°31  | 20°47  | 22°12  | 9°45   | 3°51 | 2°45  | 4°10 | 15°22  | 15°39 | 18° 0 | 8°54  |
| F 14 | 3 31 27 | 21°28'02 | 22° 0  | 11°27 | 8°29  | 20°32  | 22° 6  | 9°43   | 3°53 | 2°44  | 4°12 | 15°12  | 15°36 | 18° 6 | 8°51  |
| S 15 | 3 35 24 | 22°28'36 | 6♁55   | 13° 3 | 9°27  | 20°17  | 22° 0  | 9°40   | 3°56 | 2°43  | 4°15 | 15° 5  | 15°33 | 18°13 | 8°48  |
| S 16 | 3 39 20 | 23°29'11 | 21°30  | 14°38 | 10°25 | 20° 1  | 21°54  | 9°37   | 3°59 | 2°42  | 4°17 | 15° 1  | 15°30 | 18°20 | 8°44  |
| M17  | 3 43 17 | 24°29'47 | 5♁41   | 16°14 | 11°22 | 19°44  | 21°49  | 9°35   | 4° 2 | 2°41  | 4°19 | 15° 0  | 15°26 | 18°26 | 8°41  |
| T 18 | 3 47 14 | 25°30'25 | 19°27  | 17°50 | 12°19 | 19°27  | 21°43  | 9°32   | 4° 5 | 2°39  | 4°22 | 15° 0  | 15°23 | 18°33 | 8°37  |
| W19  | 3 51 10 | 26°31'03 | 2♁50   | 19°25 | 13°15 | 19° 8  | 21°38  | 9°29   | 4° 8 | 2°38  | 4°24 | 14°59  | 15°20 | 18°40 | 8°34  |
| T 20 | 3 55 7  | 27°31'43 | 15°53  | 21° 0 | 14°11 | 18°50  | 21°33  | 9°26   | 4°11 | 2°37  | 4°26 | 14°58  | 15°17 | 18°47 | 8°30  |
| F 21 | 3 59 3  | 28°32'23 | 28°39  | 22°36 | 15° 6 | 18°30  | 21°28  | 9°23   | 4°14 | 2°35  | 4°28 | 14°55  | 15°14 | 18°53 | 8°27  |
| S 22 | 4 3 0   | 29°33'05 | 11°V12 | 24°11 | 16° 0 | 18°10  | 21°23  | 9°20   | 4°17 | 2°34  | 4°31 | 14°48  | 15°11 | 19° 0 | 8°23  |
| S 23 | 4 6 56  | 0♁33'48  | 23°33  | 25°46 | 16°54 | 17°50  | 21°18  | 9°17   | 4°20 | 2°33  | 4°33 | 14°39  | 15° 7 | 19° 7 | 8°20  |
| M24  | 4 10 53 | 1°34'32  | 5♁46   | 27°21 | 17°47 | 17°29  | 21°14  | 9°13   | 4°24 | 2°31  | 4°35 | 14°27  | 15° 4 | 19°13 | 8°16  |
| T 25 | 4 14 49 | 2°35'18  | 17°51  | 28°55 | 18°39 | 17° 7  | 21° 9  | 9°10   | 4°27 | 2°30  | 4°37 | 14°14  | 15° 1 | 19°20 | 8°13  |
| W26  | 4 18 46 | 3°36'04  | 29°50  | 0♁30  | 19°31 | 16°46  | 21° 5  | 9° 7   | 4°30 | 2°28  | 4°40 | 14° 0  | 14°58 | 19°27 | 8° 9  |
| T 27 | 4 22 43 | 4°36'52  | 11♁45  | 2° 4  | 20°22 | 16°23  | 21° 1  | 9° 3   | 4°33 | 2°27  | 4°42 | 13°47  | 14°55 | 19°33 | 8° 5  |
| F 28 | 4 26 39 | 5°37'41  | 23°37  | 3°39  | 21°12 | 16° 1  | 20°58  | 8°59   | 4°36 | 2°26  | 4°44 | 13°36  | 14°52 | 19°40 | 8° 2  |
| S 29 | 4 30 36 | 6°38'31  | 5♁26   | 5°13  | 22° 1 | 15°38  | 20°54  | 8°56   | 4°40 | 2°24  | 4°46 | 13°27  | 14°48 | 19°47 | 7°58  |
| S 30 | 4 34 32 | 7♁39'23  | 17♁16  | 6♁47  | 22♁50 | 15♁15  | 20°V51 | 8♁52   | 4♁43 | 2♁23  | 4♁48 | 13♁20  | 14♁45 | 19♁54 | 7♁55  |

Delta T = 10.88 sec. Greg. Calendar

DECEMBER 1738

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂      | ♃      | ♅     | ♁    | ♁     | ♁    | ♁      | ♁     | ♁     | ♁     |
|------|---------|----------|-------|-------|-------|--------|--------|-------|------|-------|------|--------|-------|-------|-------|
| M 1  | 4 38 29 | 8♁40'15  | 29♁10 | 8♁22  | 23♁38 | 14°R52 | 20°R48 | 8°R48 | 4♁46 | 2°R21 | 4♁50 | 13°R17 | 14♁42 | 20♁ 0 | 7°R51 |
| T 2  | 4 42 25 | 9°41'09  | 11♁10 | 9°56  | 24°24 | 14♁29  | 20°V45 | 8♁44  | 4°50 | 2♁20  | 4°52 | 13°D16 | 14°39 | 20° 7 | 7♁47  |
| W 3  | 4 46 22 | 10°42'05 | 23°22 | 11°30 | 25°10 | 14° 6  | 20°42  | 8°40  | 4°53 | 2°18  | 4°54 | 13°D16 | 14°36 | 20°14 | 7°44  |
| T 4  | 4 50 18 | 11°43'01 | 5♁50  | 13° 4 | 25°55 | 13°42  | 20°39  | 8°36  | 4°56 | 2°16  | 4°57 | 13°R17 | 14°32 | 20°20 | 7°40  |
| F 5  | 4 54 15 | 12°43'59 | 18°40 | 14°39 | 26°39 | 13°19  | 20°37  | 8°32  | 5° 0 | 2°15  | 4°59 | 13°17  | 14°29 | 20°27 | 7°37  |
| S 6  | 4 58 12 | 13°44'58 | 1♁55  | 16°13 | 27°22 | 12°56  | 20°35  | 8°28  | 5° 3 | 2°13  | 5° 1 | 13°15  | 14°26 | 20°34 | 7°33  |
| S 7  | 5 2 8   | 14°45'58 | 15°39 | 17°47 | 28° 4 | 12°33  | 20°33  | 8°23  | 5° 6 | 2°12  | 5° 3 | 13°11  | 14°23 | 20°40 | 7°29  |
| M 8  | 5 6 5   | 15°46'59 | 29°53 | 19°22 | 28°44 | 12°10  | 20°31  | 8°19  | 5°10 | 2°10  | 5° 5 | 13° 5  | 14°20 | 20°47 | 7°26  |
| T 9  | 5 10 1  | 16°48'01 | 14♁35 | 20°56 | 29°24 | 11°47  | 20°30  | 8°15  | 5°13 | 2° 8  | 5° 7 | 12°57  | 14°17 | 20°54 | 7°22  |
| W10  | 5 13 58 | 17°49'05 | 29°39 | 22°31 | 0♁ 2  | 11°25  | 20°28  | 8°10  | 5°17 | 2° 7  | 5° 8 | 12°48  | 14°13 | 21° 1 | 7°19  |
| T 11 | 5 17 54 | 18°50'09 | 14♁57 | 24° 5 | 0°39  | 11° 3  | 20°27  | 8° 6  | 5°20 | 2° 5  | 5°10 | 12°39  | 14°10 | 21° 7 | 7°15  |
| F 12 | 5 21 51 | 19°51'14 | 0♁16  | 25°40 | 1°14  | 10°41  | 20°26  | 8° 1  | 5°24 | 2° 4  | 5°12 | 12°32  | 14° 7 | 21°14 | 7°12  |
| S 13 | 5 25 47 | 20°52'20 | 15°26 | 27°15 | 1°49  | 10°20  | 20°26  | 7°56  | 5°27 | 2° 2  | 5°14 | 12°27  | 14° 4 | 21°21 | 7° 8  |
| S 14 | 5 29 44 | 21°53'26 | 0♁18  | 28°50 | 2°21  | 10° 0  | 20°25  | 7°52  | 5°31 | 2° 0  | 5°16 | 12°24  | 14° 1 | 21°27 | 7° 5  |
| M15  | 5 33 41 | 22°54'32 | 14°44 | 0♁25  | 2°53  | 9°39   | 20°25  | 7°47  | 5°34 | 1°59  | 5°18 | 12°D24 | 13°58 | 21°34 | 7° 1  |
| T 16 | 5 37 37 | 23°55'39 | 28°43 | 2° 0  | 3°22  | 9°20   | 20°D25 | 7°42  | 5°38 | 1°57  | 5°20 | 12°24  | 13°54 | 21°41 | 6°58  |
| W17  | 5 41 34 | 24°56'46 | 12♁15 | 3°36  | 3°50  | 9° 1   | 20°25  | 7°38  | 5°41 | 1°55  | 5°21 | 12°26  | 13°51 | 21°47 | 6°54  |
| T 18 | 5 45 30 | 25°57'53 | 25°22 | 5°11  | 4°16  | 8°42   | 20°25  | 7°33  | 5°45 | 1°53  | 5°23 | 12°R26 | 13°48 | 21°54 | 6°51  |
| F 19 | 5 49 27 | 26°59'00 | 8°V 7 | 6°47  | 4°41  | 8°24   | 20°26  | 7°28  | 5°49 | 1°52  | 5°25 | 12°26  | 13°45 | 22° 1 | 6°48  |
| S 20 | 5 53 23 | 28° 0'08 | 20°34 | 8°22  | 5° 4  | 8° 7   | 20°27  | 7°23  | 5°52 | 1°50  | 5°27 | 12°23  | 13°42 | 22° 7 | 6°44  |
| S 21 | 5 57 20 | 29° 1'16 | 2♁48  | 9°58  | 5°24  | 7°51   | 20°28  | 7°18  | 5°56 | 1°48  | 5°28 | 12°18  | 13°38 | 22°14 | 6°41  |
| M22  | 6 1 16  | 0♁ 2'23  | 14°53 | 11°33 | 5°43  | 7°35   | 20°29  | 7°13  | 5°59 | 1°47  | 5°30 | 12°12  | 13°35 | 22°21 | 6°38  |
| T 23 | 6 5 13  | 1° 3'31  | 26°50 | 13° 8 | 6° 0  | 7°20   | 20°30  | 7° 8  | 6° 3 | 1°45  | 5°31 | 12° 4  | 13°32 | 22°28 | 6°35  |
| W24  | 6 9 10  | 2° 4'39  | 8♁43  | 14°44 | 6°14  | 7° 6   | 20°32  | 7° 4  | 6° 6 | 1°43  | 5°33 | 11°56  | 13°29 | 22°34 | 6°32  |
| T 25 | 6 13 6  | 3° 5'47  | 20°34 | 16°19 | 6°27  | 6°52   | 20°34  | 6°59  | 6°10 | 1°42  | 5°35 | 11°48  | 13°26 | 22°41 | 6°28  |
| F 26 | 6 17 3  | 4° 6'56  | 2♁25  | 17°54 | 6°37  | 6°40   | 20°36  | 6°54  | 6°14 | 1°40  | 5°36 | 11°41  | 13°23 | 22°48 | 6°25  |
| S 27 | 6 20 59 | 5° 8'04  | 14°17 | 19°28 | 6°45  | 6°28   | 20°38  | 6°49  | 6°17 | 1°38  | 5°38 | 11°36  | 13°19 | 22°54 | 6°22  |
| S 28 | 6 24 56 | 6° 9'13  | 26°12 | 21° 2 | 6°50  | 6°17   | 20°40  | 6°44  | 6°21 | 1°37  | 5°39 | 11°33  | 13°16 | 23° 1 | 6°19  |
| M29  | 6 28 52 | 7°10'22  | 8♁13  | 22°35 | 6°54  | 6° 6   | 20°43  | 6°39  | 6°24 | 1°35  | 5°40 | 11°D32 | 13°13 | 23° 8 | 6°16  |
| T 30 | 6 32 49 | 8°11'31  | 20°21 | 24° 7 | 6°R54 | 5°57   | 20°46  | 6°34  | 6°28 | 1°33  | 5°42 | 11°32  | 13°10 | 23°14 | 6°13  |
| W31  | 6 36 45 | 9♁12'40  | 2♁39  | 25♁38 | 6♁53  | 5♁48   | 20°V49 | 6♁29  | 6♁32 | 1♁31  | 5♁43 | 11♁33  | 13♁ 7 | 23♁21 | 6♁11  |

Delta T = 10.89 sec. Greg. Calendar

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