

SWISS EPHEMERIS for the year 1477

JANUARY 1477 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅      | ♁     | ♁     | ♁      | ♁     | ♁    | ♁     | ♁    | ♁ |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|------|-------|------|---|
| W 1  | 7 18 1  | 20♁ 1'58 | 7♂24  | 6♁R54 | 3♁28  | 14♁54 | 15♁ 8 | 20♁R16 | 22♁28 | 26♁16 | 26♁R35 | 8♁R17 | 9♁56 | 13♁31 | 1♁ 7 |   |
| T 2  | 7 21 57 | 21° 3'03 | 20°59 | 6♁12  | 4°26  | 15°41 | 15°19 | 20♁12  | 22°30 | 26°17 | 26♁34  | 8♁13  | 9°53 | 13°38 | 1°10 |   |
| F 3  | 7 25 54 | 22° 4'07 | 4♁10  | 5°40  | 5°24  | 16°29 | 15°30 | 20° 8  | 22°32 | 26°19 | 26°34  | 8°D11 | 9°49 | 13°44 | 1°13 |   |
| S 4  | 7 29 50 | 23° 5'11 | 16°57 | 5°16  | 6°22  | 17°16 | 15°42 | 20° 4  | 22°35 | 26°20 | 26°33  | 8°12  | 9°46 | 13°51 | 1°16 |   |
| S 5  | 7 33 47 | 24° 6'14 | 29°24 | 5° 2  | 7°21  | 18° 3 | 15°53 | 20° 0  | 22°37 | 26°22 | 26°33  | 8°13  | 9°43 | 13°58 | 1°20 |   |
| M 6  | 7 37 43 | 25° 7'17 | 11♁35 | 4°D57 | 8°20  | 18°51 | 16° 5 | 19°56  | 22°39 | 26°23 | 26°32  | 8°14  | 9°40 | 14° 4 | 1°23 |   |
| T 7  | 7 41 40 | 26° 8'19 | 23°33 | 4°59  | 9°20  | 19°38 | 16°17 | 19°52  | 22°41 | 26°24 | 26°32  | 8°R15 | 9°37 | 14°11 | 1°26 |   |
| W 8  | 7 45 36 | 27° 9'20 | 5♁25  | 5°10  | 10°20 | 20°26 | 16°29 | 19°48  | 22°43 | 26°26 | 26°31  | 8°15  | 9°34 | 14°18 | 1°30 |   |
| T 9  | 7 49 33 | 28°10'21 | 17°16 | 5°27  | 11°21 | 21°13 | 16°40 | 19°43  | 22°45 | 26°27 | 26°30  | 8°13  | 9°30 | 14°25 | 1°33 |   |
| F 10 | 7 53 30 | 29°11'22 | 29°11 | 5°51  | 12°22 | 22° 0 | 16°52 | 19°39  | 22°47 | 26°28 | 26°30  | 8° 9  | 9°27 | 14°31 | 1°37 |   |
| S 11 | 7 57 26 | 0♁12'22  | 11♁12 | 6°21  | 13°23 | 22°47 | 17° 4 | 19°34  | 22°49 | 26°29 | 26°29  | 8° 3  | 9°24 | 14°38 | 1°40 |   |
| S 12 | 8 1 23  | 1°13'21  | 23°25 | 6°56  | 14°25 | 23°35 | 17°17 | 19°30  | 22°51 | 26°31 | 26°28  | 7°57  | 9°21 | 14°45 | 1°44 |   |
| M 13 | 8 5 19  | 2°14'19  | 5♁51  | 7°36  | 15°27 | 24°22 | 17°29 | 19°25  | 22°53 | 26°32 | 26°28  | 7°50  | 9°18 | 14°51 | 1°47 |   |
| T 14 | 8 9 16  | 3°15'17  | 18°32 | 8°20  | 16°30 | 25° 9 | 17°41 | 19°21  | 22°55 | 26°33 | 26°27  | 7°44  | 9°15 | 14°58 | 1°51 |   |
| W 15 | 8 13 12 | 4°16'13  | 1♁28  | 9° 9  | 17°32 | 25°57 | 17°54 | 19°16  | 22°57 | 26°34 | 26°26  | 7°38  | 9°11 | 15° 5 | 1°54 |   |
| T 16 | 8 17 9  | 5°17'08  | 14°39 | 10° 1 | 18°36 | 26°44 | 18° 6 | 19°12  | 22°59 | 26°35 | 26°25  | 7°35  | 9° 8 | 15°12 | 1°58 |   |
| F 17 | 8 21 5  | 6°18'02  | 28° 3 | 10°56 | 19°39 | 27°31 | 18°19 | 19° 7  | 23° 0 | 26°36 | 26°24  | 7°33  | 9° 5 | 15°18 | 2° 2 |   |
| S 18 | 8 25 2  | 7°18'55  | 11♁38 | 11°55 | 20°43 | 28°19 | 18°31 | 19° 2  | 23° 2 | 26°37 | 26°23  | 7°D33 | 9° 2 | 15°25 | 2° 5 |   |
| S 19 | 8 28 59 | 8°19'47  | 25°24 | 12°56 | 21°47 | 29° 6 | 18°44 | 18°58  | 23° 3 | 26°38 | 26°22  | 7°33  | 8°59 | 15°32 | 2° 9 |   |
| M 20 | 8 32 55 | 9°20'37  | 9♁18  | 14° 0 | 22°51 | 29°53 | 18°57 | 18°53  | 23° 5 | 26°39 | 26°21  | 7°35  | 8°55 | 15°38 | 2°13 |   |
| T 21 | 8 36 52 | 10°21'25 | 23°19 | 15° 6 | 23°55 | 0♁40  | 19°10 | 18°48  | 23° 6 | 26°40 | 26°20  | 7°36  | 8°52 | 15°45 | 2°16 |   |
| W 22 | 8 40 48 | 11°22'12 | 7♁26  | 16°15 | 25° 0 | 1°27  | 19°23 | 18°43  | 23° 8 | 26°41 | 26°19  | 7°R37 | 8°49 | 15°52 | 2°20 |   |
| T 23 | 8 44 45 | 12°22'57 | 21°37 | 17°25 | 26° 5 | 2°15  | 19°36 | 18°38  | 23° 9 | 26°42 | 26°18  | 7°37  | 8°46 | 15°59 | 2°24 |   |
| F 24 | 8 48 41 | 13°23'41 | 5♁50  | 18°37 | 27°10 | 3° 2  | 19°49 | 18°33  | 23°11 | 26°43 | 26°17  | 7°36  | 8°43 | 16° 5 | 2°28 |   |
| S 25 | 8 52 38 | 14°24'23 | 20° 2 | 19°51 | 28°16 | 3°49  | 20° 2 | 18°29  | 23°12 | 26°44 | 26°16  | 7°33  | 8°40 | 16°12 | 2°31 |   |
| S 26 | 8 56 34 | 15°25'04 | 4♁11  | 21° 7 | 29°21 | 4°36  | 20°15 | 18°24  | 23°13 | 26°44 | 26°15  | 7°30  | 8°36 | 16°19 | 2°35 |   |
| M 27 | 9 0 31  | 16°25'42 | 18°12 | 22°24 | 0♁27  | 5°23  | 20°28 | 18°19  | 23°14 | 26°45 | 26°14  | 7°27  | 8°33 | 16°25 | 2°39 |   |
| T 28 | 9 4 28  | 17°26'20 | 2♁ 3  | 23°43 | 1°33  | 6°10  | 20°42 | 18°14  | 23°15 | 26°46 | 26°13  | 7°24  | 8°30 | 16°32 | 2°43 |   |
| W 29 | 9 8 24  | 18°26'55 | 15°38 | 25° 3 | 2°40  | 6°57  | 20°55 | 18° 9  | 23°16 | 26°47 | 26°11  | 7°22  | 8°27 | 16°39 | 2°47 |   |
| T 30 | 9 12 21 | 19°27'29 | 28°57 | 26°24 | 3°46  | 7°44  | 21° 8 | 18° 4  | 23°17 | 26°47 | 26°10  | 7°21  | 8°24 | 16°46 | 2°50 |   |
| F 31 | 9 16 17 | 20°28'02 | 11♁58 | 27♁46 | 4♁53  | 8♁31  | 21♁22 | 17♁59  | 23♁18 | 26♁48 | 26♁ 9  | 7°D21 | 8♁21 | 16♁52 | 2♁54 |   |

Delta T = 197.51 sec. Julian Calendar 1 Jan. 1477 == Greg. Calendar 10 Jan. 1477

FEBRUARY 1477 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅      | ♁      | ♁      | ♁      | ♁     | ♁    | ♁     | ♁    | ♁ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|------|-------|------|---|
| S 1  | 9 20 14  | 21♁28'33 | 24♁40 | 29♁10 | 6♁ 0  | 9♁18  | 21♁35 | 17°R55 | 23♁19  | 26♁48  | 26°R 8 | 7♁21  | 8♁17 | 16♁59 | 2♁58 |   |
| S 2  | 9 24 10  | 22°29'03 | 7♁ 6  | 0♁35  | 7° 7  | 10° 5 | 21°49 | 17♁50  | 23°20  | 26°49  | 26♁ 6  | 7°23  | 8°14 | 17° 6 | 3° 2 |   |
| M 3  | 9 28 7   | 23°29'31 | 19°18 | 2° 1  | 8°14  | 10°52 | 22° 2 | 17°45  | 23°21  | 26°50  | 26° 5  | 7°24  | 8°11 | 17°12 | 3° 6 |   |
| T 4  | 9 32 3   | 24°29'58 | 1♁19  | 3°28  | 9°21  | 11°39 | 22°16 | 17°40  | 23°22  | 26°50  | 26° 4  | 7°25  | 8° 8 | 17°19 | 3°10 |   |
| W 5  | 9 36 0   | 25°30'24 | 13°13 | 4°57  | 10°29 | 12°26 | 22°30 | 17°35  | 23°22  | 26°50  | 26° 2  | 7°26  | 8° 5 | 17°26 | 3°14 |   |
| T 6  | 9 39 57  | 26°30'48 | 25° 5 | 6°26  | 11°37 | 13°13 | 22°44 | 17°30  | 23°23  | 26°51  | 26° 1  | 7°R26 | 8° 1 | 17°32 | 3°18 |   |
| F 7  | 9 43 53  | 27°31'10 | 7♁ 0  | 7°56  | 12°44 | 13°59 | 22°57 | 17°26  | 23°24  | 26°51  | 26° 0  | 7°26  | 7°58 | 17°39 | 3°22 |   |
| S 8  | 9 47 50  | 28°31'32 | 19° 2 | 9°28  | 13°52 | 14°46 | 23°11 | 17°21  | 23°24  | 26°52  | 25°58  | 7°26  | 7°55 | 17°46 | 3°26 |   |
| S 9  | 9 51 46  | 29°31'52 | 1♁16  | 11° 0 | 15° 1 | 15°33 | 23°25 | 17°16  | 23°25  | 26°52  | 25°57  | 7°25  | 7°52 | 17°53 | 3°29 |   |
| M 10 | 9 55 43  | 0♁32'10  | 13°46 | 12°34 | 16° 9 | 16°20 | 23°39 | 17°11  | 23°25  | 26°52  | 25°55  | 7°24  | 7°49 | 17°59 | 3°33 |   |
| T 11 | 9 59 39  | 1°32'27  | 26°34 | 14° 8 | 17°17 | 17° 6 | 23°53 | 17° 7  | 23°25  | 26°52  | 25°54  | 7°23  | 7°46 | 18° 6 | 3°37 |   |
| W 12 | 10 3 36  | 2°32'42  | 9♁41  | 15°44 | 18°26 | 17°53 | 24° 7 | 17° 2  | 23°26  | 26°53  | 25°53  | 7°22  | 7°42 | 18°13 | 3°41 |   |
| T 13 | 10 7 32  | 3°32'55  | 23° 9 | 17°20 | 19°35 | 18°40 | 24°21 | 16°58  | 23°26  | 26°53  | 25°51  | 7°22  | 7°39 | 18°20 | 3°45 |   |
| F 14 | 10 11 29 | 4°33'07  | 6♁56  | 18°58 | 20°43 | 19°26 | 24°35 | 16°53  | 23°26  | 26°53  | 25°50  | 7°D22 | 7°36 | 18°26 | 3°49 |   |
| S 15 | 10 15 26 | 5°33'17  | 20°59 | 20°37 | 21°52 | 20°13 | 24°49 | 16°49  | 23°26  | 26°53  | 25°48  | 7°22  | 7°33 | 18°33 | 3°53 |   |
| S 16 | 10 19 22 | 6°33'24  | 5♁13  | 22°16 | 23° 1 | 20°59 | 25° 4 | 16°44  | 23°26  | 26°53  | 25°47  | 7°22  | 7°30 | 18°40 | 3°57 |   |
| M 17 | 10 23 19 | 7°33'30  | 19°35 | 23°57 | 24°10 | 21°46 | 25°18 | 16°40  | 23°R26 | 26°53  | 25°45  | 7°R22 | 7°26 | 18°46 | 4° 1 |   |
| T 18 | 10 27 15 | 8°33'34  | 4♁ 0  | 25°39 | 25°20 | 22°32 | 25°32 | 16°35  | 23°26  | 26°R53 | 25°43  | 7°22  | 7°23 | 18°53 | 4° 5 |   |
| W 19 | 10 31 12 | 9°33'35  | 18°22 | 27°22 | 26°29 | 23°19 | 25°46 | 16°31  | 23°26  | 26°53  | 25°42  | 7°22  | 7°20 | 19° 0 | 4° 9 |   |
| T 20 | 10 35 8  | 10°33'35 | 2♁39  | 29° 6 | 27°38 | 24° 5 | 26° 0 | 16°27  | 23°26  | 26°53  | 25°40  | 7°22  | 7°17 | 19° 7 | 4°13 |   |
| F 21 | 10 39 5  | 11°33'32 | 16°48 | 0♁52  | 28°48 | 24°52 | 26°15 | 16°23  | 23°26  | 26°53  | 25°39  | 7°D22 | 7°14 | 19°13 | 4°17 |   |
| S 22 | 10 43 1  | 12°33'27 | 0♁46  | 2°38  | 29°57 | 25°38 | 26°29 | 16°19  | 23°26  | 26°53  | 25°37  | 7°22  | 7°11 | 19°20 | 4°21 |   |
| S 23 | 10 46 58 | 13°33'19 | 14°33 | 4°26  | 1♁ 7  | 26°24 | 26°43 | 16°14  | 23°25  | 26°53  | 25°36  | 7°22  | 7° 7 | 19°27 | 4°24 |   |
| M 24 | 10 50 55 | 14°33'10 | 28° 8 | 6°14  | 2°17  | 27°10 | 26°58 | 16°10  | 23°25  | 26°53  | 25°34  | 7°23  | 7° 4 | 19°33 | 4°28 |   |
| T 25 | 10 54 51 | 15°32'58 | 11♁30 | 8° 4  | 3°27  | 27°57 | 27°12 | 16° 7  | 23°25  | 26°52  | 25°32  | 7°24  | 7° 1 | 19°40 | 4°32 |   |
| W 26 | 10 58 48 | 16°32'44 | 24°40 | 9°55  | 4°37  | 28°43 | 27°27 | 16° 3  | 23°24  | 26°52  | 25°31  | 7°24  | 6°58 | 19°47 | 4°36 |   |
| T 27 | 11 2 44  | 17°32'28 | 7♁36  | 11°48 | 5°47  | 29°29 | 27°41 | 15°59  | 23°24  | 26°52  | 25°29  | 7°R24 | 6°55 | 19°54 | 4°40 |   |
| F 28 | 11 6 41  | 18♁32'09 | 20♁18 | 13♁41 | 6♁57  | 0♁15  | 27♁55 | 15♁55  | 23♁23  | 26♁51  | 25♁27  | 7♁24  | 6♁52 | 20♁ 0 | 4♁44 |   |

Delta T = 197.43 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 1477

MARCH 1477 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀     | ♁      | ♂      | ♃     | ♅      | ♁      | ♁      | ♁      | ♁     | ♁     | ♁      | ♁     | ♁ |
|------|----------|----------|--------|-------|--------|--------|-------|--------|--------|--------|--------|-------|-------|--------|-------|---|
| S 1  | 11 10 37 | 19°31'49 | 2♂49   | 15°35 | 8♁ 7   | 1°17   | 28°10 | 15°R52 | 23°R23 | 26°R51 | 25°R26 | 7°R23 | 6♁48  | 20♁ 7  | 4°48  |   |
| S 2  | 11 14 34 | 20°31'27 | 15° 7  | 17°31 | 9°17   | 1°47   | 28°24 | 15°Ω48 | 23°M22 | 26°M51 | 25°M24 | 7°M22 | 6°45  | 20°14  | 4°51  |   |
| M 3  | 11 18 30 | 21°31'02 | 27°15  | 19°28 | 10°28  | 2°33   | 28°39 | 15°44  | 23°21  | 26°50  | 25°22  | 7°20  | 6°42  | 20°20  | 4°55  |   |
| T 4  | 11 22 27 | 22°30'36 | 9♁15   | 21°26 | 11°38  | 3°19   | 28°53 | 15°41  | 23°21  | 26°50  | 25°21  | 7°17  | 6°39  | 20°27  | 4°59  |   |
| W 5  | 11 26 23 | 23°30'09 | 21° 9  | 23°25 | 12°48  | 4° 5   | 29° 8 | 15°38  | 23°20  | 26°49  | 25°19  | 7°15  | 6°36  | 20°34  | 5° 3  |   |
| T 6  | 11 30 20 | 24°29'39 | 3♁ 1   | 25°24 | 13°59  | 4°51   | 29°22 | 15°34  | 23°19  | 26°49  | 25°18  | 7°13  | 6°32  | 20°41  | 5° 7  |   |
| F 7  | 11 34 17 | 25°29'07 | 14°55  | 27°25 | 15° 9  | 5°36   | 29°37 | 15°31  | 23°18  | 26°48  | 25°16  | 7°12  | 6°29  | 20°47  | 5°10  |   |
| S 8  | 11 38 13 | 26°28'34 | 26°56  | 29°26 | 16°20  | 6°22   | 29°51 | 15°28  | 23°17  | 26°48  | 25°14  | 7°D12 | 6°26  | 20°54  | 5°14  |   |
| S 9  | 11 42 10 | 27°27'59 | 9♁ 8   | 1°17  | 17°31  | 7° 8   | 0°17  | 15°25  | 23°16  | 26°47  | 25°13  | 7°12  | 6°23  | 21° 1  | 5°18  |   |
| M10  | 11 46 6  | 28°27'22 | 21°35  | 3°30  | 18°42  | 7°54   | 0°20  | 15°22  | 23°15  | 26°47  | 25°11  | 7°13  | 6°20  | 21° 7  | 5°22  |   |
| T 11 | 11 50 3  | 29°26'44 | 4♁23   | 5°32  | 19°52  | 8°39   | 0°35  | 15°20  | 23°14  | 26°46  | 25° 9  | 7°15  | 6°17  | 21°14  | 5°25  |   |
| W12  | 11 53 59 | 0°17'03  | 17°33  | 7°35  | 21° 3  | 9°25   | 0°49  | 15°17  | 23°13  | 26°45  | 25° 8  | 7°16  | 6°13  | 21°21  | 5°29  |   |
| T 13 | 11 57 56 | 1°25'21  | 1°X 8  | 9°37  | 22°14  | 10°10  | 1° 4  | 15°14  | 23°12  | 26°44  | 25° 6  | 7°R17 | 6°10  | 21°28  | 5°32  |   |
| F 14 | 12 1 52  | 2°24'36  | 15° 8  | 11°38 | 23°25  | 10°56  | 1°18  | 15°12  | 23°10  | 26°44  | 25° 4  | 7°17  | 6° 7  | 21°34  | 5°36  |   |
| S 15 | 12 5 49  | 3°23'50  | 29°31  | 13°38 | 24°36  | 11°41  | 1°33  | 15° 9  | 23° 9  | 26°43  | 25° 3  | 7°16  | 6° 4  | 21°41  | 5°40  |   |
| S 16 | 12 9 46  | 4°23'02  | 14°10  | 15°37 | 25°47  | 12°27  | 1°47  | 15° 7  | 23° 8  | 26°42  | 25° 1  | 7°13  | 6° 1  | 21°48  | 5°43  |   |
| M17  | 12 13 42 | 5°22'11  | 29° 0  | 17°34 | 26°59  | 13°12  | 2° 2  | 15° 5  | 23° 6  | 26°41  | 24°59  | 7° 9  | 5°58  | 21°54  | 5°47  |   |
| T 18 | 12 17 39 | 6°21'18  | 13°52  | 19°29 | 28°10  | 13°57  | 2°16  | 15° 2  | 23° 5  | 26°40  | 24°58  | 7° 5  | 5°54  | 22° 1  | 5°50  |   |
| W19  | 12 21 35 | 7°20'23  | 28°39  | 21°22 | 29°21  | 14°43  | 2°31  | 15° 0  | 23° 3  | 26°39  | 24°56  | 7° 1  | 5°51  | 22° 8  | 5°54  |   |
| T 20 | 12 25 32 | 8°19'26  | 13°13  | 23°12 | 0°X32  | 15°28  | 2°45  | 14°58  | 23° 2  | 26°39  | 24°55  | 6°58  | 5°48  | 22°15  | 5°57  |   |
| F 21 | 12 29 28 | 9°18'27  | 27°30  | 24°59 | 1°43   | 16°13  | 3° 0  | 14°57  | 23° 0  | 26°38  | 24°53  | 6°56  | 5°45  | 22°21  | 6° 1  |   |
| S 22 | 12 33 25 | 10°17'25 | 11°27  | 26°42 | 2°55   | 16°58  | 3°14  | 14°55  | 22°59  | 26°37  | 24°51  | 6°D55 | 5°42  | 22°28  | 6° 4  |   |
| S 23 | 12 37 21 | 11°16'21 | 25° 5  | 28°21 | 4° 6   | 17°43  | 3°29  | 14°53  | 22°57  | 26°36  | 24°50  | 6°56  | 5°38  | 22°35  | 6° 7  |   |
| M24  | 12 41 18 | 12°15'14 | 8°Ω25  | 29°56 | 5°18   | 18°28  | 3°43  | 14°52  | 22°56  | 26°35  | 24°48  | 6°58  | 5°35  | 22°41  | 6°11  |   |
| T 25 | 12 45 15 | 13°14'05 | 21°27  | 1°X27 | 6°29   | 19°13  | 3°57  | 14°50  | 22°54  | 26°34  | 24°47  | 6°59  | 5°32  | 22°48  | 6°14  |   |
| W26  | 12 49 11 | 14°12'54 | 4°M15  | 2°52  | 7°40   | 19°58  | 4°12  | 14°49  | 22°52  | 26°32  | 24°45  | 7°R 0 | 5°29  | 22°55  | 6°17  |   |
| T 27 | 12 53 8  | 15°11'41 | 16°50  | 4°13  | 8°52   | 20°43  | 4°26  | 14°48  | 22°50  | 26°31  | 24°44  | 7° 0  | 5°26  | 23° 2  | 6°21  |   |
| F 28 | 12 57 4  | 16°10'25 | 29°15  | 5°29  | 10° 4  | 21°28  | 4°41  | 14°47  | 22°49  | 26°30  | 24°42  | 6°57  | 5°23  | 23° 8  | 6°24  |   |
| S 29 | 13 1 1   | 17° 9'07 | 11°Ω31 | 6°39  | 11°15  | 22°13  | 4°55  | 14°45  | 22°47  | 26°29  | 24°41  | 6°53  | 5°19  | 23°15  | 6°27  |   |
| S 30 | 13 4 57  | 18° 7'48 | 23°39  | 7°44  | 12°27  | 22°57  | 5° 9  | 14°45  | 22°45  | 26°28  | 24°39  | 6°47  | 5°16  | 23°22  | 6°30  |   |
| M31  | 13 8 54  | 19°17'06 | 5°M40  | 8°X44 | 13°X38 | 23°142 | 5°124 | 14°Ω44 | 22°M43 | 26°M27 | 24°M38 | 6°M40 | 5°M13 | 23°M29 | 6°X33 |   |

Delta T = 197.35 sec. Julian Calendar 1 March 1477 == Greg. Calendar 10 March 1477

APRIL 1477 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♁      | ♂      | ♃     | ♅      | ♁      | ♁      | ♁      | ♁     | ♁     | ♁      | ♁     | ♁ |
|------|----------|----------|--------|--------|--------|--------|-------|--------|--------|--------|--------|-------|-------|--------|-------|---|
| T 1  | 13 12 50 | 20°17'03 | 17°M36 | 9°X38  | 14°X50 | 24°17  | 5°17  | 14°R43 | 22°R41 | 26°R26 | 24°R36 | 6°R31 | 5°M10 | 23°M35 | 6°X36 |   |
| W 2  | 13 16 47 | 21° 3'37 | 29°29  | 10°26  | 16° 2  | 25°11  | 5°52  | 14°Ω42 | 22°M39 | 26°M24 | 24°M35 | 6°M23 | 5° 7  | 23°42  | 6°40  |   |
| T 3  | 13 20 43 | 22° 2'10 | 11°X21 | 11° 8  | 17°13  | 25°56  | 6° 6  | 14°42  | 22°37  | 26°23  | 24°33  | 6°16  | 5° 3  | 23°49  | 6°43  |   |
| F 4  | 13 24 40 | 23° 0'41 | 23°15  | 11°44  | 18°25  | 26°40  | 6°20  | 14°42  | 22°35  | 26°22  | 24°32  | 6°10  | 5° 0  | 23°55  | 6°46  |   |
| S 5  | 13 28 37 | 23°59'11 | 5°X15  | 12°14  | 19°37  | 27°24  | 6°35  | 14°41  | 22°33  | 26°20  | 24°31  | 6° 6  | 4°57  | 24° 2  | 6°48  |   |
| S 6  | 13 32 33 | 24°57'39 | 17°25  | 12°39  | 20°49  | 28° 9  | 6°49  | 14°41  | 22°31  | 26°19  | 24°29  | 6° 4  | 4°54  | 24° 9  | 6°51  |   |
| M 7  | 13 36 30 | 25°56'05 | 29°48  | 12°57  | 22° 1  | 28°53  | 7° 3  | 14°D41 | 22°29  | 26°18  | 24°28  | 6°D 4 | 4°51  | 24°16  | 6°54  |   |
| T 8  | 13 40 26 | 26°54'30 | 12°X31 | 13°10  | 23°13  | 29°37  | 7°17  | 14°41  | 22°26  | 26°16  | 24°26  | 6° 5  | 4°48  | 24°22  | 6°57  |   |
| W 9  | 13 44 23 | 27°52'53 | 25°37  | 13°17  | 24°24  | 0°X22  | 7°31  | 14°41  | 22°24  | 26°15  | 24°25  | 6° 6  | 4°44  | 24°29  | 7° 0  |   |
| T 10 | 13 48 19 | 28°51'14 | 9°X10  | 13°R18 | 25°36  | 1° 6   | 7°45  | 14°42  | 22°22  | 26°14  | 24°24  | 6°R 6 | 4°41  | 24°36  | 7° 3  |   |
| F 11 | 13 52 16 | 29°49'34 | 23°11  | 13°14  | 26°48  | 1°50   | 7°59  | 14°42  | 22°20  | 26°12  | 24°23  | 6° 5  | 4°38  | 24°42  | 7° 5  |   |
| S 12 | 13 56 12 | 0°X47'52 | 7°17   | 13° 4  | 28° 0  | 2°34   | 8°13  | 14°42  | 22°18  | 26°11  | 24°21  | 6° 1  | 4°35  | 24°49  | 7° 8  |   |
| S 13 | 14 0 9   | 1°46'08  | 22°31  | 12°50  | 29°12  | 3°18   | 8°27  | 14°43  | 22°15  | 26° 9  | 24°20  | 5°55  | 4°32  | 24°56  | 7°11  |   |
| M14  | 14 4 6   | 2°44'23  | 7°X38  | 12°31  | 0°17   | 4° 2   | 8°41  | 14°44  | 22°13  | 26° 8  | 24°19  | 5°48  | 4°29  | 25° 3  | 7°13  |   |
| T 15 | 14 8 2   | 3°42'36  | 22°51  | 12° 8  | 1°36   | 4°46   | 8°55  | 14°44  | 22°11  | 26° 7  | 24°18  | 5°39  | 4°25  | 25° 9  | 7°16  |   |
| W16  | 14 11 59 | 4°40'47  | 7°M59  | 11°41  | 2°49   | 5°30   | 9° 8  | 14°45  | 22° 8  | 26° 5  | 24°16  | 5°31  | 4°22  | 25°16  | 7°18  |   |
| T 17 | 14 15 55 | 5°38'56  | 22°53  | 11°10  | 4° 1   | 6°14   | 9°22  | 14°46  | 22° 6  | 26° 4  | 24°15  | 5°23  | 4°19  | 25°23  | 7°21  |   |
| F 18 | 14 19 52 | 6°37'04  | 7°X24  | 10°38  | 5°13   | 6°57   | 9°36  | 14°47  | 22° 4  | 26° 2  | 24°14  | 5°18  | 4°16  | 25°29  | 7°23  |   |
| S 19 | 14 23 48 | 7°35'09  | 21°30  | 10° 3  | 6°25   | 7°41   | 9°49  | 14°49  | 22° 1  | 26° 1  | 24°13  | 5°15  | 4°13  | 25°36  | 7°26  |   |
| S 20 | 14 27 45 | 8°33'12  | 5°Ω10  | 9°26   | 7°37   | 8°25   | 10° 3 | 14°50  | 21°59  | 25°59  | 24°12  | 5°D14 | 4° 9  | 25°43  | 7°28  |   |
| M21  | 14 31 41 | 9°31'14  | 18°26  | 8°49   | 8°49   | 9° 8   | 10°17 | 14°51  | 21°56  | 25°58  | 24°11  | 5°14  | 4° 6  | 25°50  | 7°30  |   |
| T 22 | 14 35 38 | 10°29'13 | 1°M20  | 8°12   | 10° 1  | 9°52   | 10°30 | 14°53  | 21°54  | 25°56  | 24°10  | 5°R14 | 4° 3  | 25°56  | 7°32  |   |
| W23  | 14 39 35 | 11°27'10 | 13°56  | 7°36   | 11°13  | 10°35  | 10°43 | 14°55  | 21°52  | 25°54  | 24° 9  | 5°14  | 4° 0  | 26° 3  | 7°35  |   |
| T 24 | 14 43 31 | 12°25'06 | 26°18  | 7° 0   | 12°26  | 11°19  | 10°57 | 14°56  | 21°49  | 25°53  | 24° 8  | 5°12  | 3°57  | 26°10  | 7°37  |   |
| F 25 | 14 47 28 | 13°23'00 | 8°Ω30  | 6°27   | 13°38  | 12° 2  | 11°10 | 14°58  | 21°47  | 25°51  | 24° 7  | 5° 7  | 3°54  | 26°17  | 7°39  |   |
| S 26 | 14 51 24 | 14°20'52 | 20°34  | 5°56   | 14°50  | 12°45  | 11°23 | 15° 0  | 21°44  | 25°50  | 24° 6  | 5° 0  | 3°50  | 26°23  | 7°41  |   |
| S 27 | 14 55 21 | 15°18'42 | 2°M33  | 5°27   | 16° 2  | 13°29  | 11°37 | 15° 2  | 21°42  | 25°48  | 24° 5  | 4°50  | 3°47  | 26°30  | 7°43  |   |
| M28  | 14 59 17 | 16°16'31 | 14°28  | 5° 2   | 17°15  | 14°12  | 11°50 | 15° 4  | 21°39  | 25°47  | 24° 4  | 4°39  | 3°44  | 26°37  | 7°45  |   |
| T 29 | 15 3 14  | 17°14'19 | 26°22  | 4°41   | 18°27  | 14°55  | 12° 3 | 15° 7  | 21°37  | 25°45  | 24° 3  | 4°26  | 3°41  | 26°43  | 7°47  |   |
| W30  | 15 7 10  | 18°12'05 | 8°X14  | 4°X23  | 19°17  | 15°X38 | 12°16 | 15°Ω 9 | 21°M34 | 25°M43 | 24°M 3 | 4°M12 | 3°M38 | 26°M50 | 7°X49 |   |

Delta T = 197.27 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1477

MAY 1477 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂      | ♃      | ♄      | ♅      | ♆      | ♇      | ♈     | ♉     | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|---|---|---|---|---|---|---|---|
| T 1  | 15 11 7  | 19♉ 9'50 | 20♁ 8 | 4°R10 | 20♁51 | 16♉21  | 12♁29  | 15♉11  | 21°R32 | 25°R42 | 24°R 2 | 4°R 0 | 3♉35  | 26♉57 | 7♁50  |   |   |   |   |   |   |   |   |
| F 2  | 15 15 4  | 20° 7'33 | 2♉ 4  | 4♉ 0  | 22° 4 | 17° 4  | 12°42  | 15°14  | 21♉29  | 25♉40  | 24♉ 1  | 3♉50  | 3°31  | 27° 4 | 7°52  |   |   |   |   |   |   |   |   |
| S 3  | 15 19 0  | 21° 5'16 | 14° 6 | 3°56  | 23°16 | 17°47  | 12°55  | 15°17  | 21°27  | 25°39  | 24° 0  | 3°43  | 3°28  | 27°10 | 7°54  |   |   |   |   |   |   |   |   |
| S 4  | 15 22 57 | 22° 2'57 | 26°17 | 3°D55 | 24°29 | 18°30  | 13° 8  | 15°19  | 21°24  | 25°37  | 24° 0  | 3°38  | 3°25  | 27°17 | 7°55  |   |   |   |   |   |   |   |   |
| M 5  | 15 26 53 | 23° 0'37 | 8♁39  | 4° 0  | 25°41 | 19°13  | 13°20  | 15°22  | 21°22  | 25°35  | 23°59  | 3°35  | 3°22  | 27°24 | 7°57  |   |   |   |   |   |   |   |   |
| T 6  | 15 30 50 | 23°58'16 | 21°19 | 4° 9  | 26°53 | 19°56  | 13°33  | 15°25  | 21°19  | 25°34  | 23°58  | 3°D35 | 3°19  | 27°30 | 7°59  |   |   |   |   |   |   |   |   |
| W 7  | 15 34 46 | 24°55'54 | 4♁20  | 4°22  | 28° 6 | 20°39  | 13°46  | 15°28  | 21°17  | 25°32  | 23°58  | 3°R35 | 3°15  | 27°37 | 8° 0  |   |   |   |   |   |   |   |   |
| T 8  | 15 38 43 | 25°53'31 | 17°46 | 4°40  | 29°18 | 21°21  | 13°58  | 15°31  | 21°14  | 25°30  | 23°57  | 3°34  | 3°12  | 27°44 | 8° 1  |   |   |   |   |   |   |   |   |
| F 9  | 15 42 39 | 26°51'07 | 1♁40  | 5° 2  | 0♉31  | 22° 4  | 14°11  | 15°34  | 21°12  | 25°29  | 23°57  | 3°32  | 3° 9  | 27°51 | 8° 3  |   |   |   |   |   |   |   |   |
| S 10 | 15 46 36 | 27°48'42 | 16° 3 | 5°29  | 1°43  | 22°46  | 14°23  | 15°38  | 21° 9  | 25°27  | 23°56  | 3°28  | 3° 6  | 27°57 | 8° 4  |   |   |   |   |   |   |   |   |
| S 11 | 15 50 33 | 28°46'16 | 0♉52  | 6° 0  | 2°56  | 23°29  | 14°36  | 15°41  | 21° 7  | 25°26  | 23°56  | 3°21  | 3° 3  | 28° 4 | 8° 5  |   |   |   |   |   |   |   |   |
| M12  | 15 54 29 | 29°43'49 | 16° 0 | 6°34  | 4° 8  | 24°12  | 14°48  | 15°45  | 21° 4  | 25°24  | 23°55  | 3°11  | 3° 0  | 28°11 | 8° 7  |   |   |   |   |   |   |   |   |
| T 13 | 15 58 26 | 0♁41'21  | 1♁19  | 7°13  | 5°21  | 24°54  | 15° 0  | 15°48  | 21° 2  | 25°22  | 23°55  | 3° 1  | 2°56  | 28°18 | 8° 8  |   |   |   |   |   |   |   |   |
| W14  | 16 2 22  | 1°38'53  | 16°36 | 7°56  | 6°33  | 25°36  | 15°12  | 15°52  | 20°59  | 25°21  | 23°54  | 2°50  | 2°53  | 28°24 | 8° 9  |   |   |   |   |   |   |   |   |
| T 15 | 16 6 19  | 2°36'23  | 1♉41  | 8°42  | 7°46  | 26°19  | 15°24  | 15°56  | 20°57  | 25°19  | 23°54  | 2°40  | 2°50  | 28°31 | 8°10  |   |   |   |   |   |   |   |   |
| F 16 | 16 10 15 | 3°33'51  | 16°25 | 9°32  | 8°58  | 27° 1  | 15°36  | 15°59  | 20°55  | 25°17  | 23°54  | 2°33  | 2°47  | 28°38 | 8°11  |   |   |   |   |   |   |   |   |
| S 17 | 16 14 12 | 4°31'19  | 0♁42  | 10°26 | 10°11 | 27°43  | 15°48  | 16° 3  | 20°52  | 25°16  | 23°53  | 2°28  | 2°44  | 28°44 | 8°12  |   |   |   |   |   |   |   |   |
| S 18 | 16 18 8  | 5°28'45  | 14°29 | 11°23 | 11°24 | 28°26  | 16° 0  | 16° 7  | 20°50  | 25°14  | 23°53  | 2°26  | 2°40  | 28°51 | 8°13  |   |   |   |   |   |   |   |   |
| M19  | 16 22 5  | 6°26'10  | 27°48 | 12°24 | 12°36 | 29° 8  | 16°11  | 16°12  | 20°47  | 25°13  | 23°53  | 2°25  | 2°37  | 28°58 | 8°14  |   |   |   |   |   |   |   |   |
| T 20 | 16 26 2  | 7°23'34  | 10♁43 | 13°28 | 13°49 | 29°50  | 16°23  | 16°16  | 20°45  | 25°11  | 23°53  | 2°25  | 2°34  | 29° 5 | 8°14  |   |   |   |   |   |   |   |   |
| W21  | 16 29 58 | 8°20'57  | 23°16 | 14°35 | 15° 2 | 0♁32   | 16°34  | 16°20  | 20°43  | 25° 9  | 23°52  | 2°24  | 2°31  | 29°11 | 8°15  |   |   |   |   |   |   |   |   |
| T 22 | 16 33 55 | 9°18'18  | 5♁34  | 15°45 | 16°14 | 1°14   | 16°46  | 16°24  | 20°40  | 25° 8  | 23°52  | 2°22  | 2°28  | 29°18 | 8°16  |   |   |   |   |   |   |   |   |
| F 23 | 16 37 51 | 10°15'38 | 17°40 | 16°59 | 17°27 | 1°56   | 16°57  | 16°29  | 20°38  | 25° 6  | 23°52  | 2°18  | 2°25  | 29°25 | 8°16  |   |   |   |   |   |   |   |   |
| S 24 | 16 41 48 | 11°12'58 | 29°38 | 18°15 | 18°40 | 2°38   | 17° 8  | 16°33  | 20°36  | 25° 5  | 23°52  | 2°10  | 2°21  | 29°32 | 8°17  |   |   |   |   |   |   |   |   |
| S 25 | 16 45 44 | 12°10'16 | 11♉32 | 19°35 | 19°52 | 3°19   | 17°20  | 16°38  | 20°33  | 25° 3  | 23°52  | 2° 0  | 2°18  | 29°38 | 8°17  |   |   |   |   |   |   |   |   |
| M26  | 16 49 41 | 13° 7'34 | 23°24 | 20°58 | 21° 5 | 4° 1   | 17°31  | 16°42  | 20°31  | 25° 2  | 23°D52 | 1°48  | 2°15  | 29°45 | 8°18  |   |   |   |   |   |   |   |   |
| T 27 | 16 53 37 | 14° 4'51 | 5♁16  | 22°24 | 22°18 | 4°43   | 17°42  | 16°47  | 20°29  | 25° 0  | 23°52  | 1°35  | 2°12  | 29°52 | 8°18  |   |   |   |   |   |   |   |   |
| W28  | 16 57 34 | 15° 2'07 | 17°11 | 23°52 | 23°30 | 5°25   | 17°52  | 16°52  | 20°27  | 24°59  | 23°52  | 1°22  | 2° 9  | 29°58 | 8°19  |   |   |   |   |   |   |   |   |
| T 29 | 17 1 31  | 15°59'22 | 29° 9 | 25°24 | 24°43 | 6° 6   | 18° 3  | 16°57  | 20°24  | 24°57  | 23°52  | 1°10  | 2° 6  | 0♁ 5  | 8°19  |   |   |   |   |   |   |   |   |
| F 30 | 17 5 27  | 16°56'37 | 11♉12 | 26°58 | 25°56 | 6°48   | 18°14  | 17° 2  | 20°22  | 24°56  | 23°52  | 0°59  | 2° 2  | 0°12  | 8°19  |   |   |   |   |   |   |   |   |
| S 31 | 17 9 24  | 17°53'52 | 23♉21 | 28♉36 | 27♉ 9 | 7°II29 | 18°Y24 | 17°Ω 7 | 20°M20 | 24°M54 | 23°Y52 | 0°Y51 | 1°Y59 | 0♁19  | 8°Y19 |   |   |   |   |   |   |   |   |

Delta T = 197.19 sec. Julian Calendar 1 May 1477 == Greg. Calendar 10 May 1477

JUNE 1477 JC

00:00 UT

| Day  | Sid.t    | ☉          | ☽      | ♀     | ♁     | ♂       | ♃      | ♄      | ♅      | ♆      | ♇      | ♈      | ♉     | ♊    | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------|--------|-------|-------|---------|--------|--------|--------|--------|--------|--------|-------|------|-------|---|---|---|---|---|---|---|---|
| S 1  | 17 13 20 | 18°II51'06 | 5♁38   | 0♁16  | 28♉22 | 8°II11  | 18°Y35 | 17°Ω12 | 20°R18 | 24°R53 | 23°Y53 | 0°R46  | 1°Y56 | 0♁25 | 8°Y19 |   |   |   |   |   |   |   |   |
| M 2  | 17 17 17 | 19°48'20   | 18° 7  | 1°59  | 29°35 | 8°52    | 18°45  | 17°17  | 20°M16 | 24°M51 | 23°53  | 0°Y44  | 1°53  | 0°32 | 8°R19 |   |   |   |   |   |   |   |   |
| T 3  | 17 21 13 | 20°45'33   | 0♁50   | 3°45  | 0♁47  | 9°34    | 18°55  | 17°22  | 20°14  | 24°50  | 23°53  | 0°D43  | 1°50  | 0°39 | 8°19  |   |   |   |   |   |   |   |   |
| W 4  | 17 25 10 | 21°42'47   | 13°51  | 5°34  | 2° 0  | 10°15   | 19° 5  | 17°28  | 20°12  | 24°49  | 23°53  | 0°43   | 1°46  | 0°46 | 8°19  |   |   |   |   |   |   |   |   |
| T 5  | 17 29 6  | 22°40'00   | 27°14  | 7°25  | 3°13  | 10°56   | 19°15  | 17°33  | 20°10  | 24°47  | 23°54  | 0°R44  | 1°43  | 0°52 | 8°19  |   |   |   |   |   |   |   |   |
| F 6  | 17 33 3  | 23°37'13   | 11°Y 0 | 9°19  | 4°26  | 11°38   | 19°25  | 17°39  | 20° 8  | 24°46  | 23°54  | 0°42   | 1°40  | 0°59 | 8°19  |   |   |   |   |   |   |   |   |
| S 7  | 17 37 0  | 24°34'26   | 25°12  | 11°16 | 5°39  | 12°19   | 19°35  | 17°44  | 20° 6  | 24°44  | 23°54  | 0°39   | 1°37  | 1° 6 | 8°19  |   |   |   |   |   |   |   |   |
| S 8  | 17 40 56 | 25°31'39   | 9♁48   | 13°15 | 6°52  | 13° 0   | 19°45  | 17°50  | 20° 4  | 24°43  | 23°55  | 0°34   | 1°34  | 1°12 | 8°18  |   |   |   |   |   |   |   |   |
| M 9  | 17 44 53 | 26°28'51   | 24°44  | 15°16 | 8° 5  | 13°41   | 19°54  | 17°55  | 20° 2  | 24°42  | 23°55  | 0°26   | 1°31  | 1°19 | 8°18  |   |   |   |   |   |   |   |   |
| T 10 | 17 48 49 | 27°26'04   | 9°II52 | 17°19 | 9°18  | 14°22   | 20° 4  | 18° 1  | 20° 1  | 24°40  | 23°56  | 0°17   | 1°27  | 1°26 | 8°18  |   |   |   |   |   |   |   |   |
| W11  | 17 52 46 | 28°23'17   | 25° 2  | 19°24 | 10°31 | 15° 3   | 20°13  | 18° 7  | 19°59  | 24°39  | 23°56  | 0° 8   | 1°24  | 1°33 | 8°17  |   |   |   |   |   |   |   |   |
| T 12 | 17 56 42 | 29°20'30   | 10♉ 4  | 21°30 | 11°44 | 15°44   | 20°22  | 18°13  | 19°57  | 24°38  | 23°57  | 0° 0   | 1°21  | 1°39 | 8°17  |   |   |   |   |   |   |   |   |
| F 13 | 18 0 39  | 0♉17'42    | 24°49  | 23°38 | 12°57 | 16°25   | 20°31  | 18°19  | 19°55  | 24°37  | 23°57  | 29°Ω54 | 1°18  | 1°46 | 8°16  |   |   |   |   |   |   |   |   |
| S 14 | 18 4 35  | 1°14'54    | 9°Ω10  | 25°47 | 14°10 | 17° 6   | 20°40  | 18°25  | 19°54  | 24°35  | 23°58  | 29°50  | 1°15  | 1°53 | 8°15  |   |   |   |   |   |   |   |   |
| S 15 | 18 8 32  | 2°12'06    | 23° 2  | 27°57 | 15°23 | 17°47   | 20°49  | 18°31  | 19°52  | 24°34  | 23°59  | 29°48  | 1°12  | 1°59 | 8°15  |   |   |   |   |   |   |   |   |
| M16  | 18 12 29 | 3° 9'18    | 6♁27   | 0♉ 7  | 16°37 | 18°28   | 20°58  | 18°37  | 19°50  | 24°33  | 23°59  | 29°D48 | 1° 8  | 2° 6 | 8°14  |   |   |   |   |   |   |   |   |
| T 17 | 18 16 25 | 4° 6'29    | 19°26  | 2°18  | 17°50 | 19° 8   | 21° 6  | 18°43  | 19°49  | 24°32  | 24° 0  | 29°49  | 1° 5  | 2°13 | 8°13  |   |   |   |   |   |   |   |   |
| W18  | 18 20 22 | 5° 3'39    | 2♁ 2   | 4°28  | 19° 3 | 19°49   | 21°15  | 18°49  | 19°47  | 24°31  | 24° 1  | 29°R49 | 1° 2  | 2°20 | 8°12  |   |   |   |   |   |   |   |   |
| T 19 | 18 24 18 | 6° 0'50    | 14°21  | 6°38  | 20°16 | 20°30   | 21°23  | 18°55  | 19°46  | 24°30  | 24° 2  | 29°49  | 0°59  | 2°26 | 8°11  |   |   |   |   |   |   |   |   |
| F 20 | 18 28 15 | 6°58'00    | 26°26  | 8°48  | 21°29 | 21°10   | 21°31  | 19° 1  | 19°44  | 24°28  | 24° 2  | 29°47  | 0°56  | 2°33 | 8°11  |   |   |   |   |   |   |   |   |
| S 21 | 18 32 11 | 7°55'11    | 8°M23  | 10°57 | 22°42 | 21°51   | 21°39  | 19° 8  | 19°43  | 24°27  | 24° 3  | 29°43  | 0°52  | 2°40 | 8°10  |   |   |   |   |   |   |   |   |
| S 22 | 18 36 8  | 8°52'21    | 20°16  | 13° 4 | 23°56 | 22°31   | 21°47  | 19°14  | 19°42  | 24°26  | 24° 4  | 29°37  | 0°49  | 2°47 | 8° 8  |   |   |   |   |   |   |   |   |
| M23  | 18 40 4  | 9°49'31    | 2♁ 8   | 15°11 | 25° 9 | 23°12   | 21°55  | 19°21  | 19°40  | 24°25  | 24° 5  | 29°29  | 0°46  | 2°53 | 8° 7  |   |   |   |   |   |   |   |   |
| T 24 | 18 44 1  | 10°46'41   | 14° 2  | 17°16 | 26°22 | 23°52   | 22° 2  | 19°27  | 19°39  | 24°24  | 24° 6  | 29°20  | 0°43  | 3° 0 | 8° 6  |   |   |   |   |   |   |   |   |
| W25  | 18 47 58 | 11°43'51   | 26° 1  | 19°20 | 27°36 | 24°32   | 22°10  | 19°34  | 19°38  | 24°23  | 24° 7  | 29°11  | 0°40  | 3° 7 | 8° 5  |   |   |   |   |   |   |   |   |
| T 26 | 18 51 54 | 12°41'02   | 8♁ 6   | 21°22 | 28°49 | 25°13   | 22°17  | 19°40  | 19°37  | 24°22  | 24° 8  | 29° 3  | 0°37  | 3°13 | 8° 4  |   |   |   |   |   |   |   |   |
| F 27 | 18 55 51 | 13°38'13   | 20°19  | 23°22 | 0♉ 2  | 25°53   | 22°24  | 19°47  | 19°35  | 24°21  | 24° 9  | 28°56  | 0°33  | 3°20 | 8° 2  |   |   |   |   |   |   |   |   |
| S 28 | 18 59 47 | 14°35'24   | 2♁40   | 25°21 | 1°16  | 26°33   | 22°31  | 19°54  | 19°34  | 24°20  | 24°10  | 28°51  | 0°30  | 3°27 | 8° 1  |   |   |   |   |   |   |   |   |
| S 29 | 19 3 44  | 15°32'36   | 15°11  | 27°18 | 2°29  | 27°13   | 22°38  | 20° 0  | 19°33  | 24°20  | 24°11  | 28°48  | 0°27  | 3°34 | 8° 0  |   |   |   |   |   |   |   |   |
| M30  | 19 7 40  | 16°29'48   | 27♁54  | 29♁14 | 3♉42  | 27°II53 | 22°Y44 | 20°Ω 7 | 19°M32 | 24°M19 | 24°Y12 | 28°D47 | 0°Y24 | 3♁40 | 7°Y58 |   |   |   |   |   |   |   |   |

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SWISS EPHEMERIS for the year 1477

JULY 1477 JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽      | ♀        | ♁      | ♂     | ♃      | ♄      | ♅      | ♆      | ♇     | ♈      | ♉      | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|-----------|--------|----------|--------|-------|--------|--------|--------|--------|-------|--------|--------|-------|-------|---|---|---|---|---|---|---|---|
| T 1  | 19 11 37 | 17°27'00  | 10°49  | 18° 7    | 4°56   | 28°33 | 22°51  | 20°14  | 19°R31 | 24°R18 | 24°13 | 28°48  | 0°21   | 3°47  | 7°R57 |   |   |   |   |   |   |   |   |
| W 2  | 19 15 33 | 18°24'14  | 24° 0  | 2°59     | 6° 9   | 29°13 | 22°57  | 20°21  | 19°M30 | 24°M17 | 24°14 | 28°49  | 0°18   | 3°54  | 7°H55 |   |   |   |   |   |   |   |   |
| T 3  | 19 19 30 | 19°21'28  | 7°Y26  | 4°49     | 7°23   | 29°53 | 23° 4  | 20°28  | 19°30  | 24°16  | 24°15 | 28°51  | 0°14   | 4° 1  | 7°53  |   |   |   |   |   |   |   |   |
| F 4  | 19 23 27 | 20°18'43  | 21°12  | 6°37     | 8°36   | 0°33  | 23°10  | 20°34  | 19°29  | 24°16  | 24°17 | 28°R51 | 0°11   | 4° 7  | 7°52  |   |   |   |   |   |   |   |   |
| S 5  | 19 27 23 | 21°15'58  | 5°B15  | 8°24     | 9°50   | 1°13  | 23°16  | 20°41  | 19°28  | 24°15  | 24°18 | 28°50  | 0° 8   | 4°14  | 7°50  |   |   |   |   |   |   |   |   |
| S 6  | 19 31 20 | 22°13'15  | 19°37  | 10° 8    | 11° 4  | 1°53  | 23°21  | 20°48  | 19°27  | 24°14  | 24°19 | 28°48  | 0° 5   | 4°21  | 7°48  |   |   |   |   |   |   |   |   |
| M 7  | 19 35 16 | 23°10'33  | 4°II14 | 11°51    | 12°17  | 2°33  | 23°27  | 20°55  | 19°27  | 24°14  | 24°20 | 28°44  | 0° 2   | 4°27  | 7°46  |   |   |   |   |   |   |   |   |
| T 8  | 19 39 13 | 24° 7'51  | 19° 1  | 13°32    | 13°31  | 3°13  | 23°32  | 21° 3  | 19°26  | 24°13  | 24°22 | 28°39  | 29°L58 | 4°34  | 7°45  |   |   |   |   |   |   |   |   |
| W 9  | 19 43 9  | 25° 5'11  | 3°35   | 15°11    | 14°44  | 3°53  | 23°37  | 21°10  | 19°25  | 24°12  | 24°23 | 28°35  | 29°55  | 4°41  | 7°43  |   |   |   |   |   |   |   |   |
| T 10 | 19 47 6  | 26° 2'31  | 18°35  | 16°49    | 15°58  | 4°32  | 23°42  | 21°17  | 19°25  | 24°12  | 24°25 | 28°30  | 29°52  | 4°48  | 7°41  |   |   |   |   |   |   |   |   |
| F 11 | 19 51 2  | 26°59'52  | 3°L 6  | 18°25    | 17°12  | 5°12  | 23°47  | 21°24  | 19°24  | 24°11  | 24°26 | 28°27  | 29°49  | 4°54  | 7°39  |   |   |   |   |   |   |   |   |
| S 12 | 19 54 59 | 27°57'14  | 17°19  | 19°58    | 18°26  | 5°52  | 23°52  | 21°31  | 19°24  | 24°11  | 24°27 | 28°25  | 29°46  | 5° 1  | 7°37  |   |   |   |   |   |   |   |   |
| S 13 | 19 58 56 | 28°54'36  | 1°19 9 | 21°31    | 19°39  | 6°31  | 23°57  | 21°38  | 19°24  | 24°10  | 24°29 | 28°D25 | 29°43  | 5° 8  | 7°35  |   |   |   |   |   |   |   |   |
| M14  | 20 2 52  | 29°51'59  | 14°35  | 23° 1    | 20°53  | 7°11  | 24° 1  | 21°46  | 19°23  | 24°10  | 24°30 | 28°25  | 29°39  | 5°14  | 7°33  |   |   |   |   |   |   |   |   |
| T 15 | 20 6 49  | 0°L49'23  | 27°36  | 24°29    | 22° 7  | 7°50  | 24° 5  | 21°53  | 19°23  | 24° 9  | 24°32 | 28°27  | 29°36  | 5°21  | 7°30  |   |   |   |   |   |   |   |   |
| W16  | 20 10 45 | 1°46'47   | 10°L15 | 25°56    | 23°21  | 8°30  | 24° 9  | 22° 0  | 19°23  | 24° 9  | 24°33 | 28°28  | 29°33  | 5°28  | 7°28  |   |   |   |   |   |   |   |   |
| T 17 | 20 14 42 | 2°44'12   | 22°37  | 27°21    | 24°35  | 9° 9  | 24°13  | 22° 7  | 19°23  | 24° 9  | 24°35 | 28°30  | 29°30  | 5°35  | 7°26  |   |   |   |   |   |   |   |   |
| F 18 | 20 18 38 | 3°41'38   | 4°M44  | 28°44    | 25°48  | 9°48  | 24°17  | 22°15  | 19°23  | 24° 8  | 24°36 | 28°R30 | 29°27  | 5°41  | 7°24  |   |   |   |   |   |   |   |   |
| S 19 | 20 22 35 | 4°39'04   | 16°42  | 0°19 5   | 27° 2  | 10°28 | 24°20  | 22°22  | 19°23  | 24° 8  | 24°38 | 28°29  | 29°24  | 5°48  | 7°22  |   |   |   |   |   |   |   |   |
| S 20 | 20 26 31 | 5°36'32   | 28°36  | 1°24     | 28°16  | 11° 7 | 24°23  | 22°30  | 19°D23 | 24° 8  | 24°40 | 28°28  | 29°20  | 5°55  | 7°19  |   |   |   |   |   |   |   |   |
| M21  | 20 30 28 | 6°34'00   | 10°L29 | 2°41     | 29°30  | 11°46 | 24°26  | 22°37  | 19°23  | 24° 8  | 24°41 | 28°25  | 29°17  | 6° 2  | 7°17  |   |   |   |   |   |   |   |   |
| T 22 | 20 34 25 | 7°31'28   | 22°26  | 3°56     | 0°L44  | 12°25 | 24°29  | 22°44  | 19°23  | 24° 7  | 24°43 | 28°22  | 29°14  | 6° 8  | 7°14  |   |   |   |   |   |   |   |   |
| W23  | 20 38 21 | 8°28'58   | 4°B30  | 5° 9     | 1°58   | 13° 4 | 24°32  | 22°52  | 19°23  | 24° 7  | 24°45 | 28°19  | 29°11  | 6°15  | 7°12  |   |   |   |   |   |   |   |   |
| T 24 | 20 42 18 | 9°26'29   | 16°43  | 6°19     | 3°12   | 13°43 | 24°34  | 22°59  | 19°23  | 24° 7  | 24°46 | 28°16  | 29° 8  | 6°22  | 7°10  |   |   |   |   |   |   |   |   |
| F 25 | 20 46 14 | 10°24'01  | 29° 7  | 7°28     | 4°26   | 14°22 | 24°37  | 23° 7  | 19°23  | 24° 7  | 24°48 | 28°14  | 29° 4  | 6°28  | 7° 7  |   |   |   |   |   |   |   |   |
| S 26 | 20 50 11 | 11°21'34  | 11°L43 | 8°34     | 5°40   | 15° 1 | 24°39  | 23°14  | 19°24  | 24° 7  | 24°50 | 28°12  | 29° 1  | 6°35  | 7° 5  |   |   |   |   |   |   |   |   |
| S 27 | 20 54 7  | 12°19'08  | 24°33  | 9°38     | 6°54   | 15°40 | 24°41  | 23°22  | 19°24  | 24° 7  | 24°52 | 28°D12 | 28°58  | 6°42  | 7° 2  |   |   |   |   |   |   |   |   |
| M28  | 20 58 4  | 13°16'43  | 7°H36  | 10°39    | 8° 8   | 16°19 | 24°43  | 23°29  | 19°24  | 24°D 7 | 24°54 | 28°12  | 28°55  | 6°49  | 7° 0  |   |   |   |   |   |   |   |   |
| T 29 | 21 2 0   | 14°14'20  | 20°53  | 11°37    | 9°22   | 16°58 | 24°44  | 23°37  | 19°25  | 24° 7  | 24°55 | 28°12  | 28°52  | 6°55  | 6°57  |   |   |   |   |   |   |   |   |
| W30  | 21 5 57  | 15°11'58  | 4°Y22  | 12°33    | 10°36  | 17°37 | 24°45  | 23°45  | 19°25  | 24° 7  | 24°57 | 28°13  | 28°49  | 7° 2  | 6°54  |   |   |   |   |   |   |   |   |
| T 31 | 21 9 54  | 16°L 9'38 | 18°Y 4 | 13°19 25 | 11°L51 | 18°36 | 24°Y47 | 23°L52 | 19°M26 | 24°M 7 | 24°59 | 28°L15 | 28°L45 | 7°L 9 | 6°H52 |   |   |   |   |   |   |   |   |

Delta T = 197.02 sec. Julian Calendar 1 July 1477 == Greg. Calendar 10 July 1477

AUGUST 1477 JC

00:00 UT

| Day  | Sid.t    | ☉          | ☽       | ♀       | ♁       | ♂     | ♃      | ♄      | ♅      | ♆      | ♇       | ♈      | ♉      | ♊      | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|------------|---------|---------|---------|-------|--------|--------|--------|--------|---------|--------|--------|--------|-------|---|---|---|---|---|---|---|---|
| F 1  | 21 13 50 | 17°L 7'19  | 1°B57   | 14°15   | 13°L 5  | 18°35 | 24°Y48 | 24°L 0 | 19°M26 | 24°M 7 | 25°19 1 | 28°L15 | 28°L42 | 7°L15  | 6°R49 |   |   |   |   |   |   |   |   |
| S 2  | 21 17 47 | 18° 5'02   | 16° 2   | 15° 1   | 14°19   | 19°33 | 24°48  | 24° 7  | 19°27  | 24° 7  | 25° 3   | 28°R16 | 28°39  | 7°22   | 6°H46 |   |   |   |   |   |   |   |   |
| S 3  | 21 21 43 | 19° 2'47   | 0°II15  | 15°44   | 15°33   | 20°12 | 24°49  | 24°15  | 19°28  | 24° 7  | 25° 5   | 28°15  | 28°36  | 7°29   | 6°44  |   |   |   |   |   |   |   |   |
| M 4  | 21 25 40 | 20° 0'33   | 14°35   | 16°23   | 16°47   | 20°51 | 24°49  | 24°23  | 19°29  | 24° 8  | 25° 7   | 28°15  | 28°33  | 7°36   | 6°41  |   |   |   |   |   |   |   |   |
| T 5  | 21 29 36 | 20°58'21   | 28°59   | 16°58   | 18° 2   | 21°29 | 24°R49 | 24°30  | 19°29  | 24° 8  | 25° 9   | 28°14  | 28°30  | 7°42   | 6°38  |   |   |   |   |   |   |   |   |
| W 6  | 21 33 33 | 21°56'11   | 13°32   | 17°29   | 19°16   | 22° 8 | 24°49  | 24°38  | 19°30  | 24° 8  | 25°11   | 28°13  | 28°26  | 7°49   | 6°35  |   |   |   |   |   |   |   |   |
| T 7  | 21 37 29 | 22°54'03   | 27°39   | 17°56   | 20°30   | 22°46 | 24°49  | 24°45  | 19°31  | 24° 8  | 25°13   | 28°13  | 28°23  | 7°56   | 6°33  |   |   |   |   |   |   |   |   |
| F 8  | 21 41 26 | 23°51'56   | 11°L47  | 18°18   | 21°45   | 23°25 | 24°49  | 24°53  | 19°32  | 24° 9  | 25°15   | 28°12  | 28°20  | 8° 3   | 6°30  |   |   |   |   |   |   |   |   |
| S 9  | 21 45 23 | 24°49'51   | 25°41   | 18°35   | 22°59   | 24° 3 | 24°48  | 25° 1  | 19°33  | 24° 9  | 25°17   | 28°D12 | 28°17  | 8° 9   | 6°27  |   |   |   |   |   |   |   |   |
| S 10 | 21 49 19 | 25°47'47   | 9°19 18 | 18°48   | 24°13   | 24°42 | 24°47  | 25° 8  | 19°34  | 24°10  | 25°19   | 28°12  | 28°14  | 8°16   | 6°24  |   |   |   |   |   |   |   |   |
| M11  | 21 53 16 | 26°45'45   | 22°35   | 18°54   | 25°28   | 25°20 | 24°46  | 25°16  | 19°35  | 24°10  | 25°21   | 28°12  | 28°10  | 8°23   | 6°21  |   |   |   |   |   |   |   |   |
| T 12 | 21 57 12 | 27°43'44   | 5°L33   | 18°R56  | 26°42   | 25°58 | 24°45  | 25°24  | 19°37  | 24°11  | 25°23   | 28°R13 | 28° 7  | 8°29   | 6°18  |   |   |   |   |   |   |   |   |
| W13  | 22 1 9   | 28°41'45   | 18°12   | 18°51   | 27°56   | 26°37 | 24°44  | 25°31  | 19°38  | 24°11  | 25°25   | 28°13  | 28° 4  | 8°36   | 6°16  |   |   |   |   |   |   |   |   |
| T 14 | 22 5 5   | 29°39'47   | 0°M34   | 18°40   | 29°11   | 27°15 | 24°42  | 25°39  | 19°39  | 24°12  | 25°27   | 28°12  | 28° 1  | 8°43   | 6°13  |   |   |   |   |   |   |   |   |
| F 15 | 22 9 2   | 0°19 37'51 | 12°42   | 18°23   | 0°19 25 | 27°53 | 24°40  | 25°46  | 19°40  | 24°12  | 25°29   | 28°12  | 27°58  | 8°50   | 6°10  |   |   |   |   |   |   |   |   |
| S 16 | 22 12 58 | 1°35'56    | 24°42   | 18° 0   | 1°40    | 28°31 | 24°38  | 25°54  | 19°42  | 24°13  | 25°31   | 28°12  | 27°55  | 8°56   | 6° 7  |   |   |   |   |   |   |   |   |
| S 17 | 22 16 55 | 2°34'02    | 6°L36   | 17°31   | 2°54    | 29° 9 | 24°36  | 26° 2  | 19°43  | 24°13  | 25°33   | 28°D12 | 27°51  | 9° 3   | 6° 4  |   |   |   |   |   |   |   |   |
| M18  | 22 20 52 | 3°32'10    | 18°29   | 16°55   | 4° 9    | 29°47 | 24°33  | 26° 9  | 19°45  | 24°14  | 25°36   | 28°12  | 27°48  | 9°10   | 6° 1  |   |   |   |   |   |   |   |   |
| T 19 | 22 24 48 | 4°30'20    | 0°B27   | 16°14   | 5°23    | 0°L25 | 24°31  | 26°17  | 19°46  | 24°15  | 25°38   | 28°13  | 27°45  | 9°16   | 5°58  |   |   |   |   |   |   |   |   |
| W20  | 22 28 45 | 5°28'31    | 12°33   | 15°28   | 6°38    | 1° 3  | 24°28  | 26°24  | 19°48  | 24°16  | 25°40   | 28°13  | 27°42  | 9°23   | 5°55  |   |   |   |   |   |   |   |   |
| T 21 | 22 32 41 | 6°26'43    | 24°51   | 14°37   | 7°52    | 1°41  | 24°25  | 26°32  | 19°49  | 24°16  | 25°42   | 28°14  | 27°39  | 9°30   | 5°53  |   |   |   |   |   |   |   |   |
| F 22 | 22 36 38 | 7°24'58    | 7°L24   | 13°41   | 9° 7    | 2°19  | 24°22  | 26°39  | 19°51  | 24°17  | 25°44   | 28°15  | 27°35  | 9°37   | 5°50  |   |   |   |   |   |   |   |   |
| S 23 | 22 40 34 | 8°23'13    | 20°14   | 12°43   | 10°21   | 2°57  | 24°18  | 26°47  | 19°53  | 24°18  | 25°46   | 28°15  | 27°32  | 9°43   | 5°47  |   |   |   |   |   |   |   |   |
| S 24 | 22 44 31 | 9°21'31    | 3°H23   | 11°43   | 11°36   | 3°35  | 24°15  | 26°54  | 19°55  | 24°19  | 25°49   | 28°R16 | 27°29  | 9°50   | 5°44  |   |   |   |   |   |   |   |   |
| M25  | 22 48 27 | 10°19'50   | 16°49   | 10°42   | 12°51   | 4°12  | 24°11  | 27° 2  | 19°56  | 24°20  | 25°51   | 28°15  | 27°26  | 9°57   | 5°41  |   |   |   |   |   |   |   |   |
| T 26 | 22 52 24 | 11°18'11   | 0°Y32   | 9°43    | 14° 5   | 4°50  | 24° 7  | 27° 9  | 19°58  | 24°21  | 25°53   | 28°14  | 27°23  | 10° 4  | 5°38  |   |   |   |   |   |   |   |   |
| W27  | 22 56 21 | 12°16'34   | 14°28   | 8°45    | 15°20   | 5°28  | 24° 3  | 27°17  | 20° 0  | 24°22  | 25°55   | 28°12  | 27°20  | 10°10  | 5°35  |   |   |   |   |   |   |   |   |
| T 28 | 23 0 17  | 13°14'59   | 28°35   | 7°51    | 16°34   | 6° 5  | 23°59  | 27°24  | 20° 2  | 24°22  | 25°58   | 28°10  | 27°16  | 10°17  | 5°32  |   |   |   |   |   |   |   |   |
| F 29 | 23 4 14  | 14°13'27   | 12°B48  | 7° 1    | 17°49   | 6°43  | 23°54  | 27°32  | 20° 4  | 24°24  | 26° 0   | 28° 9  | 27°13  | 10°24  | 5°30  |   |   |   |   |   |   |   |   |
| S 30 | 23 8 10  | 15°11'56   | 27° 3   | 6°18    | 19° 4   | 7°21  | 23°50  | 27°39  | 20° 6  | 24°25  | 26° 2   | 28° 7  | 27°10  | 10°30  | 5°27  |   |   |   |   |   |   |   |   |
| S 31 | 23 12 7  | 16°10'28   | 11°II19 | 5°19 42 | 20°18   | 7°L58 | 23°Y45 | 27°L46 | 20°M 8 | 24°M26 | 26°19 4 | 28°D 6 | 27°L 7 | 10°L37 | 5°H24 |   |   |   |   |   |   |   |   |

Delta T = 196.94 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1477

SEPTEMBER 1477 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂      | ♃      | ♄     | ♅     | ♆     | ♇     | ♈      | ♉     | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| M 1  | 23 16 3  | 17♏ 9'02 | 25♏30 | 5°R15 | 21♏33 | 8♏36   | 23°R40 | 27♏54 | 20♏10 | 24♏27 | 26♏ 7 | 28♏ 7  | 27♏ 4 | 10♓44 | 5°R21 |   |   |   |   |   |   |   |   |
| T 2  | 23 20 0  | 18° 7'39 | 9♏37  | 4♏56  | 22°48 | 9°13   | 23°Y35 | 28° 1 | 20°12 | 24°28 | 26° 9 | 28° 7  | 27° 1 | 10°51 | 5♏18  |   |   |   |   |   |   |   |   |
| W 3  | 23 23 56 | 19° 6'17 | 23°36 | 4°D47 | 24° 3 | 9°50   | 23°29  | 28° 8 | 20°15 | 24°29 | 26°11 | 28° 9  | 26°57 | 10°57 | 5°15  |   |   |   |   |   |   |   |   |
| T 4  | 23 27 53 | 20° 4'58 | 7♏27  | 4°47  | 25°17 | 10°28  | 23°24  | 28°16 | 20°17 | 24°30 | 26°13 | 28°10  | 26°54 | 11° 4 | 5°13  |   |   |   |   |   |   |   |   |
| F 5  | 23 31 49 | 21° 3'41 | 21° 7 | 4°57  | 26°32 | 11° 5  | 23°18  | 28°23 | 20°19 | 24°31 | 26°16 | 28°11  | 26°51 | 11°11 | 5°10  |   |   |   |   |   |   |   |   |
| S 6  | 23 35 46 | 22° 2'26 | 4♏36  | 5°17  | 27°47 | 11°42  | 23°12  | 28°30 | 20°21 | 24°33 | 26°18 | 28°R11 | 26°48 | 11°17 | 5° 7  |   |   |   |   |   |   |   |   |
| S 7  | 23 39 43 | 23° 1'13 | 17°52 | 5°46  | 29° 1 | 12°20  | 23° 6  | 28°37 | 20°24 | 24°34 | 26°20 | 28°10  | 26°45 | 11°24 | 5° 4  |   |   |   |   |   |   |   |   |
| M 8  | 23 43 39 | 24° 0'03 | 0♏53  | 6°25  | 0♏16  | 12°57  | 23° 0  | 28°45 | 20°26 | 24°35 | 26°23 | 28° 7  | 26°41 | 11°31 | 5° 2  |   |   |   |   |   |   |   |   |
| T 9  | 23 47 36 | 24°58'54 | 13°40 | 7°12  | 1°31  | 13°34  | 22°54  | 28°52 | 20°29 | 24°37 | 26°25 | 28° 4  | 26°38 | 11°38 | 4°59  |   |   |   |   |   |   |   |   |
| W10  | 23 51 32 | 25°57'47 | 26°12 | 8° 7  | 2°46  | 14°11  | 22°48  | 28°59 | 20°31 | 24°38 | 26°27 | 27°59  | 26°35 | 11°44 | 4°56  |   |   |   |   |   |   |   |   |
| T 11 | 23 55 29 | 26°56'42 | 8♏31  | 9°10  | 4° 1  | 14°48  | 22°41  | 29° 6 | 20°34 | 24°39 | 26°29 | 27°54  | 26°32 | 11°51 | 4°54  |   |   |   |   |   |   |   |   |
| F 12 | 23 59 25 | 27°55'39 | 20°38 | 10°19 | 5°15  | 15°25  | 22°35  | 29°13 | 20°36 | 24°41 | 26°32 | 27°49  | 26°29 | 11°58 | 4°51  |   |   |   |   |   |   |   |   |
| S 13 | 0 3 22   | 28°54'38 | 2♏36  | 11°34 | 6°30  | 16° 2  | 22°28  | 29°20 | 20°39 | 24°42 | 26°34 | 27°45  | 26°26 | 12° 4 | 4°49  |   |   |   |   |   |   |   |   |
| S 14 | 0 7 18   | 29°53'38 | 14°29 | 12°55 | 7°45  | 16°39  | 22°21  | 29°27 | 20°41 | 24°44 | 26°36 | 27°43  | 26°22 | 12°11 | 4°46  |   |   |   |   |   |   |   |   |
| M15  | 0 11 15  | 0♏52'41  | 26°21 | 14°21 | 9° 0  | 17°16  | 22°14  | 29°34 | 20°44 | 24°45 | 26°39 | 27°D42 | 26°19 | 12°18 | 4°44  |   |   |   |   |   |   |   |   |
| T 16 | 0 15 12  | 1°51'45  | 8♏17  | 15°50 | 10°15 | 17°53  | 22° 7  | 29°41 | 20°47 | 24°47 | 26°41 | 27°42  | 26°16 | 12°25 | 4°41  |   |   |   |   |   |   |   |   |
| W17  | 0 19 8   | 2°50'51  | 20°22 | 17°23 | 11°29 | 18°29  | 22° 0  | 29°47 | 20°50 | 24°48 | 26°43 | 27°43  | 26°13 | 12°31 | 4°39  |   |   |   |   |   |   |   |   |
| T 18 | 0 23 5   | 3°49'59  | 2♏40  | 18°59 | 12°44 | 19° 6  | 21°52  | 29°54 | 20°52 | 24°50 | 26°45 | 27°44  | 26°10 | 12°38 | 4°36  |   |   |   |   |   |   |   |   |
| F 19 | 0 27 1   | 4°49'08  | 15°16 | 20°38 | 13°59 | 19°43  | 21°45  | 0♏ 1  | 20°55 | 24°51 | 26°48 | 27°46  | 26° 6 | 12°45 | 4°34  |   |   |   |   |   |   |   |   |
| S 20 | 0 30 58  | 5°48'20  | 28°13 | 22°18 | 15°14 | 20°19  | 21°37  | 0° 8  | 20°58 | 24°53 | 26°50 | 27°R47 | 26° 3 | 12°51 | 4°31  |   |   |   |   |   |   |   |   |
| S 21 | 0 34 54  | 6°47'33  | 11♏34 | 24° 0 | 16°29 | 20°56  | 21°30  | 0°14  | 21° 1 | 24°54 | 26°52 | 27°46  | 26° 0 | 12°58 | 4°29  |   |   |   |   |   |   |   |   |
| M22  | 0 38 51  | 7°46'48  | 25°19 | 25°43 | 17°44 | 21°32  | 21°22  | 0°21  | 21° 4 | 24°56 | 26°54 | 27°43  | 25°57 | 13° 5 | 4°27  |   |   |   |   |   |   |   |   |
| T 23 | 0 42 47  | 8°46'06  | 9♏26  | 27°26 | 18°58 | 22° 9  | 21°14  | 0°27  | 21° 7 | 24°58 | 26°57 | 27°38  | 25°54 | 13°12 | 4°25  |   |   |   |   |   |   |   |   |
| W24  | 0 46 44  | 9°45'25  | 23°50 | 29°11 | 20°13 | 22°45  | 21° 7  | 0°34  | 21°10 | 25° 0 | 26°59 | 27°32  | 25°51 | 13°18 | 4°22  |   |   |   |   |   |   |   |   |
| T 25 | 0 50 41  | 10°44'46 | 8♏26  | 0♏55  | 21°28 | 23°22  | 20°59  | 0°40  | 21°13 | 25° 1 | 27° 1 | 27°26  | 25°47 | 13°25 | 4°20  |   |   |   |   |   |   |   |   |
| F 26 | 0 54 37  | 11°44'10 | 23° 6 | 2°40  | 22°43 | 23°58  | 20°51  | 0°47  | 21°16 | 25° 3 | 27° 3 | 27°19  | 25°44 | 13°32 | 4°18  |   |   |   |   |   |   |   |   |
| S 27 | 0 58 34  | 12°43'36 | 7♏43  | 4°25  | 23°58 | 24°34  | 20°43  | 0°53  | 21°19 | 25° 5 | 27° 6 | 27°13  | 25°41 | 13°38 | 4°16  |   |   |   |   |   |   |   |   |
| S 28 | 1 2 30   | 13°43'05 | 22°11 | 6°10  | 25°13 | 25°11  | 20°35  | 0°59  | 21°22 | 25° 7 | 27° 8 | 27° 9  | 25°38 | 13°45 | 4°14  |   |   |   |   |   |   |   |   |
| M29  | 1 6 27   | 14°42'36 | 6♏27  | 7°54  | 26°27 | 25°47  | 20°27  | 1° 6  | 21°25 | 25° 8 | 27°10 | 27° 7  | 25°35 | 13°52 | 4°12  |   |   |   |   |   |   |   |   |
| T 30 | 1 10 23  | 15°42'09 | 20♏28 | 9♏38  | 27°42 | 26°623 | 20°Y19 | 1♏12  | 21♏28 | 25♏10 | 27♏12 | 27°D 7 | 25♏32 | 13♏59 | 4♏10  |   |   |   |   |   |   |   |   |

Delta T = 196.86 sec. Julian Calendar 1 Sept. 1477 == Greg. Calendar 10 Sept. 1477

OCTOBER 1477 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃      | ♄    | ♅     | ♆     | ♇     | ♈      | ♉     | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|-------|-------|-------|--------|------|-------|-------|-------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| W 1  | 1 14 20 | 16♏41'44 | 4♏14  | 11♏22 | 28♏57 | 26♏59 | 20°R11 | 1♏18 | 21♏32 | 25♏12 | 27♏15 | 27♏ 8  | 25♏28 | 14♓ 5 | 4°R 8 |   |   |   |   |   |   |   |   |
| T 2  | 1 18 16 | 17°41'22 | 17°45 | 13° 5 | 0♏12  | 27°35 | 20°Y 3 | 1°24 | 21°35 | 25°14 | 27°17 | 27° 9  | 25°25 | 14°12 | 4♏ 6  |   |   |   |   |   |   |   |   |
| F 3  | 1 22 13 | 18°41'02 | 1♏ 2  | 14°48 | 1°27  | 28°11 | 19°54  | 1°30 | 21°38 | 25°16 | 27°19 | 27°R 9 | 25°22 | 14°19 | 4° 4  |   |   |   |   |   |   |   |   |
| S 4  | 1 26 9  | 19°40'44 | 14° 7 | 16°31 | 2°42  | 28°47 | 19°46  | 1°36 | 21°41 | 25°18 | 27°21 | 27° 8  | 25°19 | 14°25 | 4° 3  |   |   |   |   |   |   |   |   |
| S 5  | 1 30 6  | 20°40'29 | 27° 0 | 18°12 | 3°57  | 29°23 | 19°38  | 1°42 | 21°45 | 25°20 | 27°23 | 27° 4  | 25°16 | 14°32 | 4° 1  |   |   |   |   |   |   |   |   |
| M 6  | 1 34 3  | 21°40'15 | 9♏43  | 19°54 | 5°11  | 29°59 | 19°30  | 1°48 | 21°48 | 25°22 | 27°25 | 26°58  | 25°12 | 14°39 | 3°59  |   |   |   |   |   |   |   |   |
| T 7  | 1 37 59 | 22°40'04 | 22°14 | 21°34 | 6°26  | 0♏34  | 19°22  | 1°53 | 21°51 | 25°23 | 27°27 | 26°49  | 25° 9 | 14°46 | 3°57  |   |   |   |   |   |   |   |   |
| W 8  | 1 41 56 | 23°39'55 | 4♏36  | 23°14 | 7°41  | 1°10  | 19°14  | 1°59 | 21°55 | 25°25 | 27°30 | 26°38  | 25° 6 | 14°52 | 3°56  |   |   |   |   |   |   |   |   |
| T 9  | 1 45 52 | 24°39'47 | 16°47 | 24°54 | 8°56  | 1°46  | 19° 6  | 2° 5 | 21°58 | 25°27 | 27°32 | 26°27  | 25° 3 | 14°59 | 3°54  |   |   |   |   |   |   |   |   |
| F 10 | 1 49 49 | 25°39'42 | 28°49 | 26°33 | 10°11 | 2°21  | 18°58  | 2°10 | 22° 1 | 25°29 | 27°34 | 26°16  | 25° 0 | 15° 6 | 3°53  |   |   |   |   |   |   |   |   |
| S 11 | 1 53 45 | 26°39'38 | 10♏45 | 28°12 | 11°26 | 2°57  | 18°50  | 2°16 | 22° 5 | 25°31 | 27°36 | 26° 6  | 24°57 | 15°12 | 3°51  |   |   |   |   |   |   |   |   |
| S 12 | 1 57 42 | 27°39'36 | 22°36 | 29°50 | 12°41 | 3°32  | 18°42  | 2°21 | 22° 8 | 25°34 | 27°38 | 25°58  | 24°53 | 15°19 | 3°50  |   |   |   |   |   |   |   |   |
| M13  | 2 1 38  | 28°39'36 | 4♏26  | 1♏27  | 13°56 | 4° 8  | 18°34  | 2°27 | 22°12 | 25°36 | 27°40 | 25°52  | 24°50 | 15°26 | 3°49  |   |   |   |   |   |   |   |   |
| T 14 | 2 5 35  | 29°39'38 | 16°18 | 3° 4  | 15°10 | 4°43  | 18°26  | 2°32 | 22°15 | 25°38 | 27°42 | 25°49  | 24°47 | 15°33 | 3°47  |   |   |   |   |   |   |   |   |
| W15  | 2 9 32  | 0♏39'41  | 28°19 | 4°40  | 16°25 | 5°18  | 18°18  | 2°37 | 22°19 | 25°40 | 27°44 | 25°D48 | 24°44 | 15°39 | 3°46  |   |   |   |   |   |   |   |   |
| T 16 | 2 13 28 | 1°39'46  | 10♏33 | 6°16  | 17°40 | 5°54  | 18°11  | 2°42 | 22°22 | 25°42 | 27°46 | 25°48  | 24°41 | 15°46 | 3°45  |   |   |   |   |   |   |   |   |
| F 17 | 2 17 25 | 2°39'52  | 23° 5 | 7°52  | 18°55 | 6°29  | 18° 3  | 2°47 | 22°26 | 25°44 | 27°48 | 25°R49 | 24°38 | 15°53 | 3°44  |   |   |   |   |   |   |   |   |
| S 18 | 2 21 21 | 3°40'00  | 6♏ 1  | 9°27  | 20°10 | 7° 4  | 17°55  | 2°52 | 22°29 | 25°46 | 27°50 | 25°48  | 24°34 | 15°59 | 3°43  |   |   |   |   |   |   |   |   |
| S 19 | 2 25 18 | 4°40'09  | 19°24 | 11° 2 | 21°25 | 7°39  | 17°48  | 2°57 | 22°33 | 25°48 | 27°52 | 25°46  | 24°31 | 16° 6 | 3°42  |   |   |   |   |   |   |   |   |
| M20  | 2 29 14 | 5°40'20  | 3♏15  | 12°36 | 22°40 | 8°14  | 17°41  | 3° 2 | 22°36 | 25°50 | 27°54 | 25°41  | 24°28 | 16°13 | 3°41  |   |   |   |   |   |   |   |   |
| T 21 | 2 33 11 | 6°40'33  | 17°34 | 14°10 | 23°54 | 8°49  | 17°33  | 3° 7 | 22°40 | 25°52 | 27°56 | 25°34  | 24°25 | 16°20 | 3°40  |   |   |   |   |   |   |   |   |
| W22  | 2 37 7  | 7°40'47  | 2♏17  | 15°43 | 25° 9 | 9°23  | 17°26  | 3°11 | 22°44 | 25°55 | 27°58 | 25°24  | 24°22 | 16°26 | 3°39  |   |   |   |   |   |   |   |   |
| T 23 | 2 41 4  | 8°41'04  | 17°17 | 17°17 | 26°24 | 9°58  | 17°19  | 3°16 | 22°47 | 25°57 | 27°59 | 25°13  | 24°18 | 16°33 | 3°38  |   |   |   |   |   |   |   |   |
| F 24 | 2 45 1  | 9°41'22  | 2♏23  | 18°49 | 27°39 | 10°33 | 17°12  | 3°20 | 22°51 | 25°59 | 28° 1 | 25° 2  | 24°15 | 16°40 | 3°38  |   |   |   |   |   |   |   |   |
| S 25 | 2 48 57 | 10°41'41 | 17°25 | 20°22 | 28°54 | 11° 8 | 17° 5  | 3°25 | 22°55 | 26° 1 | 28° 3 | 24°53  | 24°12 | 16°46 | 3°37  |   |   |   |   |   |   |   |   |
| S 26 | 2 52 54 | 11°42'03 | 2♏15  | 21°54 | 0♏ 9  | 11°42 | 16°59  | 3°29 | 22°58 | 26° 3 | 28° 5 | 24°45  | 24° 9 | 16°53 | 3°36  |   |   |   |   |   |   |   |   |
| M27  | 2 56 50 | 12°42'27 | 16°46 | 23°26 | 1°23  | 12°17 | 16°52  | 3°33 | 23° 2 | 26° 6 | 28° 7 | 24°41  | 24° 6 | 17° 0 | 3°36  |   |   |   |   |   |   |   |   |
| T 28 | 3 0 47  | 13°42'53 | 0♏55  | 24°57 | 2°38  | 12°51 | 16°46  | 3°37 | 23° 6 | 26° 8 | 28° 8 | 24°39  | 24° 3 | 17° 7 | 3°35  |   |   |   |   |   |   |   |   |
| W29  | 3 4 43  | 14°43'21 | 14°40 | 26°29 | 3°53  | 13°25 | 16°39  | 3°41 | 23° 9 | 26°10 | 28°10 | 24°D38 | 23°59 | 17°13 | 3°35  |   |   |   |   |   |   |   |   |
| T 30 | 3 8 40  | 15°43'50 | 28° 4 | 28° 0 | 5° 8  | 14° 0 | 16°33  | 3°45 | 23°13 | 26°12 | 28°12 | 24°R38 | 23°56 | 17°20 | 3°34  |   |   |   |   |   |   |   |   |
| F 31 | 3 12 36 | 16♏44'21 | 11♏ 9 | 29♏30 | 6♏23  | 14♏34 | 16°Y27 | 3♏49 | 23♏17 | 26♏14 | 28♏14 | 24♏37  | 23♏53 | 17♏27 | 3♏34  |   |   |   |   |   |   |   |   |

Delta T = 196.78 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1477

NOVEMBER 1477 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀     | ♂     | ♂     | ♂      | ♂    | ♂     | ♂     | ♂     | ♂      | ♂     | ♂     | ♂     |
|------|---------|----------|--------|-------|-------|-------|--------|------|-------|-------|-------|--------|-------|-------|-------|
| S 1  | 3 16 33 | 17♌44'55 | 23♍58  | 1♂ 1  | 7♂37  | 15♍ 8 | 16°R21 | 3♍53 | 23♌20 | 26♌17 | 28♍15 | 24°R35 | 23♌50 | 17♂33 | 3°R34 |
| S 2  | 3 20 30 | 18°45'30 | 6♌34   | 2°31  | 8°52  | 15°42 | 16°V16 | 3°57 | 23°24 | 26°19 | 28°17 | 24♌29  | 23°47 | 17°40 | 3°R34 |
| M 3  | 3 24 26 | 19°46'06 | 18°59  | 4° 0  | 10° 7 | 16°16 | 16°10  | 4° 0 | 23°28 | 26°21 | 28°18 | 24°20  | 23°43 | 17°47 | 3°33  |
| T 4  | 3 28 23 | 20°46'45 | 1♌16   | 5°30  | 11°22 | 16°50 | 16° 5  | 4° 4 | 23°31 | 26°23 | 28°20 | 24° 8  | 23°40 | 17°54 | 3°33  |
| W 5  | 3 32 19 | 21°47'24 | 13°25  | 6°59  | 12°37 | 17°24 | 15°59  | 4° 7 | 23°35 | 26°26 | 28°22 | 23°55  | 23°37 | 18° 0 | 3°D33 |
| T 6  | 3 36 16 | 22°48'06 | 25°27  | 8°27  | 13°52 | 17°57 | 15°54  | 4°10 | 23°39 | 26°28 | 28°23 | 23°39  | 23°34 | 18° 7 | 3°33  |
| F 7  | 3 40 12 | 23°48'49 | 7♂24   | 9°55  | 15° 6 | 18°31 | 15°50  | 4°14 | 23°42 | 26°30 | 28°25 | 23°25  | 23°31 | 18°14 | 3°33  |
| S 8  | 3 44 9  | 24°49'33 | 19°16  | 11°23 | 16°21 | 19° 5 | 15°45  | 4°17 | 23°46 | 26°32 | 28°26 | 23°11  | 23°28 | 18°20 | 3°34  |
| S 9  | 3 48 5  | 25°50'18 | 1♂ 6   | 12°50 | 17°36 | 19°38 | 15°40  | 4°20 | 23°50 | 26°35 | 28°28 | 23° 0  | 23°24 | 18°27 | 3°34  |
| M10  | 3 52 2  | 26°51'05 | 12°55  | 14°16 | 18°51 | 20°11 | 15°36  | 4°23 | 23°54 | 26°37 | 28°29 | 22°51  | 23°21 | 18°34 | 3°34  |
| T 11 | 3 55 59 | 27°51'53 | 24°47  | 15°42 | 20° 5 | 20°45 | 15°32  | 4°25 | 23°57 | 26°39 | 28°30 | 22°46  | 23°18 | 18°41 | 3°34  |
| W12  | 3 59 55 | 28°52'42 | 6♌46   | 17° 7 | 21°20 | 21°18 | 15°28  | 4°28 | 24° 1 | 26°41 | 28°32 | 22°43  | 23°15 | 18°47 | 3°35  |
| T 13 | 4 3 52  | 29°53'31 | 18°57  | 18°30 | 22°35 | 21°51 | 15°24  | 4°31 | 24° 5 | 26°44 | 28°33 | 22°D42 | 23°12 | 18°54 | 3°35  |
| F 14 | 4 7 48  | 0♂54'22  | 1♂24   | 19°53 | 23°50 | 22°24 | 15°21  | 4°33 | 24° 8 | 26°46 | 28°34 | 22°R42 | 23° 9 | 19° 1 | 3°36  |
| S 15 | 4 11 45 | 1°55'13  | 14°13  | 21°15 | 25° 4 | 22°57 | 15°17  | 4°36 | 24°12 | 26°48 | 28°36 | 22°42  | 23° 5 | 19° 7 | 3°36  |
| S 16 | 4 15 41 | 2°56'06  | 27°28  | 22°35 | 26°19 | 23°30 | 15°14  | 4°38 | 24°16 | 26°50 | 28°37 | 22°40  | 23° 2 | 19°14 | 3°37  |
| M17  | 4 19 38 | 3°56'59  | 11°V14 | 23°53 | 27°34 | 24° 2 | 15°11  | 4°40 | 24°19 | 26°53 | 28°38 | 22°35  | 22°59 | 19°21 | 3°38  |
| T 18 | 4 23 34 | 4°57'53  | 25°30  | 25° 9 | 28°49 | 24°35 | 15° 8  | 4°42 | 24°23 | 26°55 | 28°39 | 22°28  | 22°56 | 19°28 | 3°38  |
| W19  | 4 27 31 | 5°58'48  | 10♌14  | 26°23 | 0♂ 3  | 25° 7 | 15° 6  | 4°44 | 24°27 | 26°57 | 28°41 | 22°19  | 22°53 | 19°34 | 3°39  |
| T 20 | 4 31 28 | 6°59'44  | 25°20  | 27°35 | 1°18  | 25°40 | 15° 3  | 4°46 | 24°30 | 26°59 | 28°42 | 22° 8  | 22°49 | 19°41 | 3°40  |
| F 21 | 4 35 24 | 8° 0'40  | 10♌39  | 28°44 | 2°33  | 26°12 | 15° 1  | 4°48 | 24°34 | 27° 2 | 28°43 | 21°57  | 22°46 | 19°48 | 3°41  |
| S 22 | 4 39 21 | 9° 1'38  | 25°59  | 29°49 | 3°47  | 26°44 | 14°59  | 4°50 | 24°38 | 27° 4 | 28°44 | 21°47  | 22°43 | 19°54 | 3°42  |
| S 23 | 4 43 17 | 10° 2'37 | 11♌ 8  | 0♂50  | 5° 2  | 27°16 | 14°57  | 4°51 | 24°41 | 27° 6 | 28°45 | 21°39  | 22°40 | 20° 1 | 3°43  |
| M24  | 4 47 14 | 11° 3'37 | 25°58  | 1°46  | 6°16  | 27°48 | 14°56  | 4°53 | 24°45 | 27° 8 | 28°46 | 21°34  | 22°37 | 20° 8 | 3°44  |
| T 25 | 4 51 10 | 12° 4'38 | 10♌22  | 2°37  | 7°31  | 28°20 | 14°55  | 4°54 | 24°49 | 27°11 | 28°47 | 21°32  | 22°34 | 20°14 | 3°45  |
| W26  | 4 55 7  | 13° 5'39 | 24°18  | 3°23  | 8°46  | 28°52 | 14°53  | 4°55 | 24°52 | 27°13 | 28°48 | 21°D31 | 22°30 | 20°21 | 3°46  |
| T 27 | 4 59 3  | 14° 6'42 | 7♍48   | 4° 1  | 10° 0 | 29°23 | 14°52  | 4°56 | 24°56 | 27°15 | 28°49 | 21°R32 | 22°27 | 20°28 | 3°48  |
| F 28 | 5 3 0   | 15° 7'46 | 20°53  | 4°32  | 11°15 | 29°55 | 14°52  | 4°57 | 24°59 | 27°17 | 28°50 | 21°32  | 22°24 | 20°35 | 3°49  |
| S 29 | 5 6 57  | 16° 8'51 | 3♌37   | 4°54  | 12°29 | 0♂26  | 14°51  | 4°58 | 25° 3 | 27°19 | 28°50 | 21°30  | 22°21 | 20°41 | 3°50  |
| S 30 | 5 10 53 | 17♂ 9'57 | 16♌ 5  | 5♂ 7  | 13♂44 | 0♂57  | 14°V51 | 4♍59 | 25♌ 6 | 27♌21 | 28♍51 | 21♌26  | 22♌18 | 20♂48 | 3°H52 |

Delta T = 196.70 sec. Julian Calendar 1 Nov. 1477 == Greg. Calendar 10 Nov. 1477

DECEMBER 1477 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♂     | ♂     | ♂      | ♂     | ♂     | ♂     | ♂      | ♂      | ♂     | ♂     | ♂     |
|------|---------|----------|-------|--------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|
| M 1  | 5 14 50 | 18♌11'04 | 28♌21 | 5°R10  | 14♂58 | 1♂29  | 14°V51 | 5♍ 0  | 25♌10 | 27♌24 | 28♍52  | 21°R19 | 22♌15 | 20♂55 | 3°H53 |
| T 2  | 5 18 46 | 19°12'11 | 10♌27 | 5♂ 2   | 16°13 | 1°59  | 14°51  | 5° 0  | 25°13 | 27°26 | 28°53  | 21♌10  | 22°11 | 21° 1 | 3°55  |
| W 3  | 5 22 43 | 20°13'20 | 22°26 | 4°42   | 17°27 | 2°30  | 14°51  | 5° 1  | 25°17 | 27°28 | 28°53  | 20°59  | 22° 8 | 21° 8 | 3°56  |
| T 4  | 5 26 39 | 21°14'29 | 4♂22  | 4°11   | 18°42 | 3° 1  | 14°52  | 5° 1  | 25°20 | 27°30 | 28°54  | 20°47  | 22° 5 | 21°15 | 3°58  |
| F 5  | 5 30 36 | 22°15'38 | 16°14 | 3°28   | 19°56 | 3°32  | 14°52  | 5° 1  | 25°24 | 27°32 | 28°55  | 20°34  | 22° 2 | 21°22 | 4° 0  |
| S 6  | 5 34 32 | 23°16'48 | 28° 5 | 2°34   | 21°11 | 4° 2  | 14°53  | 5°R 1 | 25°27 | 27°34 | 28°55  | 20°23  | 21°59 | 21°28 | 4° 2  |
| S 7  | 5 38 29 | 24°17'59 | 9♂55  | 1°30   | 22°25 | 4°32  | 14°55  | 5° 1  | 25°30 | 27°36 | 28°56  | 20°14  | 21°55 | 21°35 | 4° 3  |
| M 8  | 5 42 26 | 25°19'09 | 21°48 | 0°18   | 23°40 | 5° 2  | 14°56  | 5° 1  | 25°34 | 27°38 | 28°56  | 20° 7  | 21°52 | 21°42 | 4° 5  |
| T 9  | 5 46 22 | 26°20'20 | 3♌45  | 29♂ 0  | 24°54 | 5°32  | 14°58  | 5° 1  | 25°37 | 27°40 | 28°57  | 20° 3  | 21°49 | 21°48 | 4° 7  |
| W10  | 5 50 19 | 27°21'31 | 15°48 | 27°39  | 26° 8 | 6° 2  | 14°59  | 5° 0  | 25°40 | 27°42 | 28°57  | 20°D 2 | 21°46 | 21°55 | 4° 9  |
| T 11 | 5 54 15 | 28°22'42 | 28° 1 | 26°16  | 27°23 | 6°32  | 15° 1  | 5° 0  | 25°44 | 27°44 | 28°58  | 20° 2  | 21°43 | 22° 2 | 4°11  |
| F 12 | 5 58 12 | 29°23'53 | 10♂29 | 24°56  | 28°37 | 7° 1  | 15° 3  | 4°59  | 25°47 | 27°46 | 28°58  | 20° 3  | 21°40 | 22° 8 | 4°13  |
| S 13 | 6 2 8   | 0♂25'04  | 23°14 | 23°41  | 29°51 | 7°31  | 15° 6  | 4°59  | 25°50 | 27°48 | 28°59  | 20° 4  | 21°36 | 22°15 | 4°15  |
| S 14 | 6 6 5   | 1°26'15  | 6°V23 | 22°32  | 1♌ 6  | 8° 0  | 15° 8  | 4°58  | 25°53 | 27°50 | 28°59  | 20°R 4 | 21°33 | 22°22 | 4°18  |
| M15  | 6 10 1  | 2°27'25  | 19°57 | 21°31  | 2°20  | 8°29  | 15°11  | 4°57  | 25°57 | 27°52 | 28°59  | 20° 3  | 21°30 | 22°29 | 4°20  |
| T 16 | 6 13 58 | 3°28'35  | 4♂ 0  | 20°39  | 3°34  | 8°58  | 15°14  | 4°56  | 26° 0 | 27°54 | 29° 0  | 19°59  | 21°27 | 22°35 | 4°22  |
| W17  | 6 17 55 | 4°29'45  | 18°31 | 19°58  | 4°48  | 9°26  | 15°17  | 4°55  | 26° 3 | 27°56 | 29° 0  | 19°54  | 21°24 | 22°42 | 4°24  |
| T 18 | 6 21 51 | 5°30'55  | 3♌25  | 19°27  | 6° 2  | 9°55  | 15°21  | 4°54  | 26° 6 | 27°58 | 29° 0  | 19°47  | 21°21 | 22°49 | 4°27  |
| F 19 | 6 25 48 | 6°32'05  | 18°36 | 19° 6  | 7°16  | 10°23 | 15°24  | 4°52  | 26° 9 | 28° 0 | 29° 0  | 19°40  | 21°17 | 22°55 | 4°29  |
| S 20 | 6 29 44 | 7°33'14  | 3♌53  | 18°55  | 8°30  | 10°51 | 15°28  | 4°51  | 26°12 | 28° 2 | 29° 0  | 19°34  | 21°14 | 23° 2 | 4°32  |
| S 21 | 6 33 41 | 8°34'24  | 19° 7 | 18°D54 | 9°44  | 11°19 | 15°32  | 4°50  | 26°15 | 28° 4 | 29° 0  | 19°29  | 21°11 | 23° 9 | 4°34  |
| M22  | 6 37 37 | 9°35'33  | 4♌ 6  | 19° 1  | 10°58 | 11°47 | 15°36  | 4°48  | 26°18 | 28° 5 | 29° 0  | 19°26  | 21° 8 | 23°16 | 4°37  |
| T 23 | 6 41 34 | 10°36'42 | 18°43 | 19°16  | 12°12 | 12°14 | 15°41  | 4°46  | 26°21 | 28° 7 | 29°R 0 | 19°D25 | 21° 5 | 23°22 | 4°39  |
| W24  | 6 45 31 | 11°37'51 | 2♍52  | 19°39  | 13°26 | 12°41 | 15°45  | 4°44  | 26°24 | 28° 9 | 29° 0  | 19°25  | 21° 1 | 23°29 | 4°42  |
| T 25 | 6 49 27 | 12°39'00 | 16°34 | 20° 8  | 14°40 | 13° 9 | 15°50  | 4°42  | 26°27 | 28°11 | 29° 0  | 19°27  | 20°58 | 23°36 | 4°45  |
| F 26 | 6 53 24 | 13°40'08 | 29°48 | 20°43  | 15°54 | 13°35 | 15°55  | 4°40  | 26°29 | 28°12 | 29° 0  | 19°28  | 20°55 | 23°42 | 4°47  |
| S 27 | 6 57 20 | 14°41'17 | 12♌38 | 21°24  | 17° 8 | 14° 2 | 16° 0  | 4°38  | 26°32 | 28°14 | 29° 0  | 19°R29 | 20°52 | 23°49 | 4°50  |
| S 28 | 7 1 17  | 15°42'26 | 25° 7 | 22° 9  | 18°22 | 14°29 | 16° 5  | 4°36  | 26°35 | 28°16 | 29° 0  | 19°29  | 20°49 | 23°56 | 4°53  |
| M29  | 7 5 13  | 16°43'34 | 7♌21  | 22°59  | 19°35 | 14°55 | 16°11  | 4°34  | 26°38 | 28°18 | 29° 0  | 19°27  | 20°46 | 24° 2 | 4°56  |
| T 30 | 7 9 10  | 17°44'42 | 19°23 | 23°53  | 20°49 | 15°21 | 16°16  | 4°31  | 26°40 | 28°19 | 28°59  | 19°23  | 20°42 | 24° 9 | 4°59  |
| W31  | 7 13 6  | 18♂45'50 | 1♂18  | 24♂50  | 22♌ 3 | 15♌47 | 16°V22 | 4♍29  | 26♌43 | 28♌21 | 28♍59  | 19♌18  | 20♌39 | 24♂16 | 5°H 1 |

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