

SWISS EPHEMERIS for the year 1195

JANUARY 1195 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽      | ♀     | ♂      | ♂      | ♂       | ♂      | ♂       | ♂     | ♂      | ♂     | ♂     | ♂     | ♂      |
|------|---------|----------|--------|-------|--------|--------|---------|--------|---------|-------|--------|-------|-------|-------|--------|
| S 1  | 7 7 26  | 17°28'07 | 26°00  | 23°19 | 18°11  | 29°29  | 11°R36  | 9°35   | 27°R20  | 2°36  | 19°R 6 | 5°R 2 | 4°M18 | 28°27 | 13°Y27 |
| M 2  | 7 11 22 | 18°29'11 | 10°M13 | 24°12 | 19°25  | 0°H15  | 11°II31 | 10° 0  | 27°II18 | 2°38  | 19°E 4 | 4°M55 | 4°15  | 28°33 | 13°28  |
| T 3  | 7 15 19 | 19°30'15 | 23°55  | 25° 8 | 20°39  | 1° 1   | 11°26   | 10° 7  | 27°15   | 2°40  | 19° 3  | 4°50  | 4°12  | 28°40 | 13°29  |
| W 4  | 7 19 15 | 20°31'18 | 7°H 7  | 26° 7 | 21°52  | 1°47   | 11°21   | 10°14  | 27°13   | 2°42  | 19° 2  | 4°47  | 4° 9  | 28°47 | 13°30  |
| T 5  | 7 23 12 | 21°32'21 | 19°53  | 27°10 | 23° 6  | 2°34   | 11°16   | 10°21  | 27°11   | 2°44  | 19° 0  | 4°D46 | 4° 5  | 28°54 | 13°31  |
| F 6  | 7 27 8  | 22°33'23 | 2°M17  | 28°14 | 24°20  | 3°20   | 11°12   | 10°28  | 27° 8   | 2°45  | 18°59  | 4°R47 | 4° 2  | 29° 0 | 13°32  |
| S 7  | 7 31 5  | 23°34'25 | 14°25  | 29°21 | 25°34  | 4° 6   | 11° 7   | 10°35  | 27° 6   | 2°47  | 18°58  | 4°46  | 3°59  | 29° 7 | 13°33  |
| S 8  | 7 35 1  | 24°35'26 | 26°22  | 0°31  | 26°47  | 4°52   | 11° 3   | 10°42  | 27° 4   | 2°49  | 18°56  | 4°44  | 3°56  | 29°14 | 13°34  |
| M 9  | 7 38 58 | 25°36'26 | 8°H12  | 1°42  | 28° 1  | 5°38   | 10°59   | 10°49  | 27° 2   | 2°51  | 18°55  | 4°40  | 3°53  | 29°20 | 13°35  |
| T 10 | 7 42 55 | 26°37'26 | 20° 0  | 2°55  | 29°15  | 6°25   | 10°56   | 10°56  | 26°59   | 2°53  | 18°54  | 4°33  | 3°50  | 29°27 | 13°37  |
| W11  | 7 46 51 | 27°38'25 | 1°349  | 4°10  | 0°H28  | 7°11   | 10°52   | 11° 3  | 26°57   | 2°55  | 18°52  | 4°23  | 3°46  | 29°34 | 13°38  |
| T 12 | 7 50 48 | 28°39'22 | 13°42  | 5°26  | 1°42   | 7°57   | 10°49   | 11°10  | 26°55   | 2°57  | 18°51  | 4°10  | 3°43  | 29°40 | 13°39  |
| F 13 | 7 54 44 | 29°40'19 | 25°41  | 6°44  | 2°55   | 8°43   | 10°45   | 11°17  | 26°53   | 2°59  | 18°50  | 3°55  | 3°40  | 29°47 | 13°41  |
| S 14 | 7 58 41 | 0°H41'15 | 7°H47  | 8° 3  | 4° 9   | 9°29   | 10°42   | 11°24  | 26°51   | 3° 1  | 18°48  | 3°40  | 3°37  | 29°54 | 13°42  |
| S 15 | 8 2 37  | 1°42'09  | 20° 0  | 9°23  | 5°22   | 10°15  | 10°40   | 11°30  | 26°49   | 3° 3  | 18°47  | 3°26  | 3°34  | 0°31  | 13°44  |
| M16  | 8 6 34  | 2°43'03  | 2°H21  | 10°45 | 6°35   | 11° 1  | 10°37   | 11°37  | 26°47   | 3° 5  | 18°46  | 3°13  | 3°30  | 0° 7  | 13°45  |
| T 17 | 8 10 30 | 3°43'54  | 14°52  | 12° 7 | 7°48   | 11°47  | 10°35   | 11°44  | 26°45   | 3° 7  | 18°45  | 3° 4  | 3°27  | 0°14  | 13°47  |
| W18  | 8 14 27 | 4°44'45  | 27°34  | 13°31 | 9° 2   | 12°33  | 10°32   | 11°51  | 26°43   | 3° 9  | 18°43  | 2°57  | 3°24  | 0°21  | 13°49  |
| T 19 | 8 18 24 | 5°45'34  | 10°Y28 | 14°56 | 10°15  | 13°18  | 10°30   | 11°57  | 26°41   | 3°11  | 18°42  | 2°53  | 3°21  | 0°27  | 13°51  |
| F 20 | 8 22 20 | 6°46'21  | 2°38   | 16°22 | 11°28  | 14° 4  | 10°29   | 12° 4  | 26°40   | 3°13  | 18°41  | 2°52  | 3°18  | 0°34  | 13°52  |
| S 21 | 8 26 17 | 7°47'07  | 7°H 5  | 17°49 | 12°41  | 14°50  | 10°27   | 12°11  | 26°38   | 3°15  | 18°39  | 2°52  | 3°15  | 0°41  | 13°54  |
| S 22 | 8 30 13 | 8°47'51  | 20°53  | 19°16 | 13°54  | 15°36  | 10°26   | 12°17  | 26°36   | 3°17  | 18°38  | 2°52  | 3°11  | 0°47  | 13°56  |
| M23  | 8 34 10 | 9°48'33  | 5°II 2 | 20°45 | 15° 6  | 16°22  | 10°24   | 12°24  | 26°34   | 3°19  | 18°37  | 2°50  | 3° 8  | 0°54  | 13°58  |
| T 24 | 8 38 6  | 10°49'14 | 19°32  | 22°15 | 16°19  | 17° 7  | 10°24   | 12°31  | 26°33   | 3°21  | 18°36  | 2°46  | 3° 5  | 1° 1  | 14° 0  |
| W25  | 8 42 3  | 11°49'53 | 4°E19  | 23°45 | 17°32  | 17°53  | 10°23   | 12°37  | 26°31   | 3°23  | 18°34  | 2°39  | 3° 2  | 1° 8  | 14° 2  |
| T 26 | 8 45 59 | 12°50'31 | 19°18  | 25°16 | 18°44  | 18°39  | 10°22   | 12°44  | 26°30   | 3°26  | 18°33  | 2°29  | 2°59  | 1°14  | 14° 4  |
| F 27 | 8 49 56 | 13°51'07 | 4°L20  | 26°49 | 19°57  | 19°24  | 10°22   | 12°50  | 26°28   | 3°28  | 18°32  | 2°18  | 2°56  | 1°21  | 14° 7  |
| S 28 | 8 53 53 | 14°51'41 | 19°14  | 28°22 | 21° 9  | 20°10  | 10°D22  | 12°57  | 26°27   | 3°30  | 18°31  | 2° 6  | 2°52  | 1°28  | 14° 9  |
| S 29 | 8 57 49 | 15°52'13 | 3°M53  | 29°56 | 22°22  | 20°55  | 10°22   | 13° 3  | 26°25   | 3°32  | 18°30  | 1°56  | 2°49  | 1°34  | 14°11  |
| M30  | 9 1 46  | 16°52'44 | 18° 7  | 1°H31 | 23°34  | 21°41  | 10°22   | 13° 9  | 26°24   | 3°34  | 18°29  | 1°47  | 2°46  | 1°41  | 14°13  |
| T 31 | 9 5 42  | 17°53'14 | 1°H55  | 3°H 7 | 24°H46 | 22°H26 | 10°II22 | 13°316 | 26°II22 | 3°H37 | 18°E27 | 1°M41 | 2°M43 | 1°348 | 14°Y16 |

Delta T = 12m31s Julian Calendar 1 Jan. 1195 == Greg. Calendar 8 Jan. 1195

FEBRUARY 1195 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♂      | ♂      | ♂       | ♂      | ♂       | ♂     | ♂      | ♂      | ♂     | ♂     | ♂      |
|------|----------|----------|--------|--------|--------|--------|---------|--------|---------|-------|--------|--------|-------|-------|--------|
| W 1  | 9 9 39   | 18°53'42 | 15°H13 | 4°H43  | 25°H58 | 23°H12 | 10°II23 | 13°322 | 26°R21  | 3°H39 | 18°R26 | 1°R38  | 2°M40 | 1°355 | 14°Y18 |
| T 2  | 9 13 35  | 19°54'09 | 28° 5  | 6°21   | 27°10  | 23°57  | 10°24   | 13°28  | 26°II20 | 3°41  | 18°E25 | 1°D37  | 2°36  | 2° 1  | 14°20  |
| F 3  | 9 17 32  | 20°54'35 | 10°M35 | 8° 0   | 28°22  | 24°42  | 10°25   | 13°34  | 26°19   | 3°43  | 18°24  | 1°M37  | 2°33  | 2° 8  | 14°23  |
| S 4  | 9 21 28  | 21°54'59 | 22°46  | 9°39   | 29°34  | 25°28  | 10°26   | 13°40  | 26°17   | 3°45  | 18°23  | 1°R37  | 2°30  | 2°15  | 14°25  |
| S 5  | 9 25 25  | 22°55'21 | 4°H44  | 11°20  | 0°Y46  | 26°13  | 10°27   | 13°46  | 26°16   | 3°48  | 18°22  | 1°36   | 2°27  | 2°21  | 14°28  |
| M 6  | 9 29 22  | 23°55'43 | 16°36  | 13° 1  | 1°57   | 26°58  | 10°29   | 13°52  | 26°15   | 3°50  | 18°21  | 1°34   | 2°24  | 2°28  | 14°31  |
| T 7  | 9 33 18  | 24°56'02 | 28°25  | 14°44  | 3° 9   | 27°43  | 10°31   | 13°58  | 26°14   | 3°52  | 18°20  | 1°29   | 2°21  | 2°35  | 14°33  |
| W 8  | 9 37 15  | 25°56'21 | 10°316 | 16°27  | 4°20   | 28°28  | 10°33   | 14° 4  | 26°13   | 3°54  | 18°19  | 1°21   | 2°17  | 2°41  | 14°36  |
| T 9  | 9 41 11  | 26°56'37 | 22°13  | 18°12  | 5°32   | 29°14  | 10°35   | 14°10  | 26°12   | 3°57  | 18°18  | 1°11   | 2°14  | 2°48  | 14°39  |
| F 10 | 9 45 8   | 27°56'52 | 4°H18  | 19°57  | 6°43   | 29°59  | 10°37   | 14°16  | 26°12   | 3°59  | 18°17  | 0°59   | 2°11  | 2°55  | 14°41  |
| S 11 | 9 49 4   | 28°57'05 | 16°34  | 21°44  | 7°54   | 0°Y44  | 10°40   | 14°22  | 26°11   | 4° 1  | 18°16  | 0°47   | 2° 8  | 3° 2  | 14°44  |
| S 12 | 9 53 1   | 29°57'16 | 29° 0  | 23°32  | 9° 5   | 1°29   | 10°43   | 14°27  | 26°10   | 4° 4  | 18°15  | 0°35   | 2° 5  | 3° 8  | 14°47  |
| M13  | 9 56 57  | 0°H57'26 | 11°H38 | 25°20  | 10°16  | 2°14   | 10°46   | 14°33  | 26° 9   | 4° 6  | 18°14  | 0°25   | 2° 2  | 3°15  | 14°50  |
| T 14 | 10 0 54  | 1°57'33  | 24°27  | 27°10  | 11°27  | 2°58   | 10°49   | 14°39  | 26° 9   | 4° 8  | 18°13  | 0°18   | 1°58  | 3°22  | 14°53  |
| W15  | 10 4 51  | 2°57'39  | 7°Y27  | 29° 1  | 12°38  | 3°43   | 10°52   | 14°44  | 26° 8   | 4°10  | 18°12  | 0°13   | 1°55  | 3°28  | 14°56  |
| T 16 | 10 8 47  | 3°57'42  | 20°38  | 0°H53  | 13°48  | 4°28   | 10°55   | 14°50  | 26° 7   | 4°13  | 18°11  | 0°10   | 1°52  | 3°35  | 14°58  |
| F 17 | 10 12 44 | 4°57'43  | 4°H 1  | 2°45   | 14°59  | 5°13   | 10°59   | 14°55  | 26° 7   | 4°15  | 18°10  | 0°D10  | 1°49  | 3°42  | 15° 1  |
| S 18 | 10 16 40 | 5°57'42  | 17°36  | 4°39   | 16° 9  | 5°58   | 11° 3   | 15° 0  | 26° 6   | 4°17  | 18° 9  | 0°11   | 1°46  | 3°48  | 15° 4  |
| S 19 | 10 20 37 | 6°57'39  | 1°II25 | 6°34   | 17°19  | 6°42   | 11° 7   | 15° 6  | 26° 6   | 4°19  | 18° 9  | 0°R11  | 1°42  | 3°55  | 15° 8  |
| M20  | 10 24 33 | 7°57'34  | 15°27  | 8°30   | 18°29  | 7°27   | 11°11   | 15°11  | 26° 6   | 4°22  | 18° 8  | 0°11   | 1°39  | 4° 2  | 15°11  |
| T 21 | 10 28 30 | 8°57'26  | 29°42  | 10°27  | 19°39  | 8°11   | 11°16   | 15°16  | 26° 5   | 4°24  | 18° 7  | 0° 9   | 1°36  | 4° 9  | 15°14  |
| W22  | 10 32 26 | 9°57'17  | 14°E 7 | 12°24  | 20°49  | 8°56   | 11°20   | 15°21  | 26° 5   | 4°26  | 18° 6  | 0° 5   | 1°33  | 4°15  | 15°17  |
| T 23 | 10 36 23 | 10°57'04 | 28°40  | 14°22  | 21°59  | 9°40   | 11°25   | 15°26  | 26° 5   | 4°29  | 18° 6  | 29°H59 | 1°30  | 4°22  | 15°20  |
| F 24 | 10 40 20 | 11°56'50 | 13°L15 | 16°21  | 23° 8  | 10°25  | 11°30   | 15°31  | 26° 5   | 4°31  | 18° 5  | 29°52  | 1°27  | 4°29  | 15°23  |
| S 25 | 10 44 16 | 12°56'33 | 27°45  | 18°20  | 24°18  | 11° 9  | 11°35   | 15°36  | 26° 5   | 4°33  | 18° 4  | 29°44  | 1°23  | 4°35  | 15°26  |
| S 26 | 10 48 13 | 13°56'14 | 12°M 3 | 20°19  | 25°27  | 11°54  | 11°40   | 15°41  | 26°D 5  | 4°35  | 18° 4  | 29°37  | 1°20  | 4°42  | 15°30  |
| M27  | 10 52 9  | 14°55'53 | 26° 4  | 22°19  | 26°36  | 12°38  | 11°46   | 15°45  | 26° 5   | 4°38  | 18° 3  | 29°31  | 1°17  | 4°49  | 15°33  |
| T 28 | 10 56 6  | 15°55'30 | 9°H43  | 24°H18 | 27°Y45 | 13°Y22 | 11°II51 | 15°350 | 26°II 5 | 4°H40 | 18°E 2 | 29°H28 | 1°M14 | 4°356 | 15°Y36 |

Delta T = 12m30s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 1195

MARCH 1195 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀     | ♁     | ♂     | ♃      | ♅     | ♁      | ♁    | ♁     | ♁     | ♁     | ♁    | ♁     |
|------|----------|----------|--------|-------|-------|-------|--------|-------|--------|------|-------|-------|-------|------|-------|
| W 1  | 11 0 2   | 16X55'06 | 22Ω59  | 26X16 | 28Y54 | 14Y 6 | 11II57 | 15Z55 | 26II 5 | 4X42 | 18R 2 | 29R26 | 1M11  | 5Z 2 | 15Y40 |
| T 2  | 11 3 59  | 17°54'39 | 5II52  | 28°14 | 0Z 2  | 14°51 | 12° 3  | 15°59 | 26° 5  | 4°44 | 18Ω 1 | 29D26 | 1° 7  | 5° 9 | 15°43 |
| F 3  | 11 7 55  | 18°54'10 | 18°24  | 0Y11  | 1°11  | 15°35 | 12° 9  | 16° 4 | 26° 6  | 4°47 | 18° 0 | 29Ω27 | 1° 4  | 5°16 | 15°46 |
| S 4  | 11 11 52 | 19°53'40 | 0X39   | 2° 6  | 2°19  | 16°19 | 12°15  | 16° 8 | 26° 6  | 4°49 | 18° 0 | 29°29 | 1° 1  | 5°22 | 15°50 |
| S 5  | 11 15 48 | 20°53'08 | 12°41  | 3°59  | 3°27  | 17° 3 | 12°22  | 16°12 | 26° 6  | 4°51 | 17°59 | 29°30 | 0°58  | 5°29 | 15°53 |
| M 6  | 11 19 45 | 21°52'34 | 24°35  | 5°50  | 4°35  | 17°47 | 12°28  | 16°17 | 26° 7  | 4°53 | 17°59 | 29R30 | 0°55  | 5°36 | 15°57 |
| T 7  | 11 23 42 | 22°51'58 | 6Z27   | 7°39  | 5°43  | 18°31 | 12°35  | 16°21 | 26° 7  | 4°55 | 17°58 | 29°29 | 0°52  | 5°43 | 16° 0 |
| W 8  | 11 27 38 | 23°51'21 | 18°20  | 9°24  | 6°50  | 19°15 | 12°42  | 16°25 | 26° 8  | 4°58 | 17°58 | 29°26 | 0°48  | 5°49 | 16° 3 |
| T 9  | 11 31 35 | 24°50'42 | 0Ω20   | 11° 5 | 7°58  | 19°58 | 12°49  | 16°29 | 26° 8  | 5° 0 | 17°58 | 29°22 | 0°45  | 5°56 | 16° 7 |
| F 10 | 11 35 31 | 25°50'00 | 12°30  | 12°42 | 9° 5  | 20°42 | 12°56  | 16°33 | 26° 9  | 5° 2 | 17°57 | 29°17 | 0°42  | 6° 3 | 16°10 |
| S 11 | 11 39 28 | 26°49'17 | 24°53  | 14°16 | 10°12 | 21°26 | 13° 3  | 16°37 | 26°10  | 5° 4 | 17°57 | 29°11 | 0°39  | 6° 9 | 16°14 |
| S 12 | 11 43 24 | 27°48'32 | 7X31   | 15°44 | 11°19 | 22°10 | 13°11  | 16°40 | 26°10  | 5° 6 | 17°57 | 29° 6 | 0°36  | 6°16 | 16°18 |
| M13  | 11 47 21 | 28°47'45 | 20°24  | 17° 7 | 12°25 | 22°53 | 13°18  | 16°44 | 26°11  | 5° 8 | 17°56 | 29° 1 | 0°33  | 6°23 | 16°21 |
| T 14 | 11 51 17 | 29°46'55 | 3Y33   | 18°25 | 13°32 | 23°37 | 13°26  | 16°48 | 26°12  | 5°10 | 17°56 | 28°57 | 0°29  | 6°29 | 16°25 |
| W15  | 11 55 14 | 0Y46'04  | 16°56  | 19°37 | 14°38 | 24°20 | 13°34  | 16°51 | 26°13  | 5°13 | 17°56 | 28°55 | 0°26  | 6°36 | 16°28 |
| T 16 | 11 59 11 | 1°45'11  | 0Z32   | 20°43 | 15°44 | 25° 4 | 13°42  | 16°55 | 26°14  | 5°15 | 17°55 | 28D55 | 0°23  | 6°43 | 16°32 |
| F 17 | 12 3 7   | 2°44'15  | 14°19  | 21°43 | 16°50 | 25°47 | 13°50  | 16°58 | 26°15  | 5°17 | 17°55 | 28°56 | 0°20  | 6°50 | 16°35 |
| S 18 | 12 7 4   | 3°43'17  | 28°15  | 22°36 | 17°55 | 26°31 | 13°58  | 17° 1 | 26°16  | 5°19 | 17°55 | 28°57 | 0°17  | 6°56 | 16°39 |
| S 19 | 12 11 0  | 4°42'17  | 12II18 | 23°23 | 19° 0 | 27°14 | 14° 7  | 17° 4 | 26°17  | 5°21 | 17°55 | 28°58 | 0°13  | 7° 3 | 16°43 |
| M20  | 12 14 57 | 5°41'14  | 26°26  | 24° 4 | 20° 6 | 27°58 | 14°15  | 17° 8 | 26°18  | 5°23 | 17°55 | 28°59 | 0°10  | 7°10 | 16°46 |
| T 21 | 12 18 53 | 6°40'10  | 10Z38  | 24°38 | 21°10 | 28°41 | 14°24  | 17°11 | 26°19  | 5°25 | 17°55 | 29R 0 | 0° 7  | 7°16 | 16°50 |
| W22  | 12 22 50 | 7°39'02  | 24°51  | 25° 5 | 22°15 | 29°24 | 14°32  | 17°13 | 26°20  | 5°27 | 17°55 | 28°59 | 0° 4  | 7°23 | 16°54 |
| T 23 | 12 26 46 | 8°37'53  | 9Ω 3   | 25°26 | 23°19 | 0Z 7  | 14°41  | 17°16 | 26°22  | 5°29 | 17°54 | 28°57 | 0° 1  | 7°30 | 16°57 |
| F 24 | 12 30 43 | 9°36'41  | 23°10  | 25°39 | 24°23 | 0°50  | 14°50  | 17°19 | 26°23  | 5°31 | 17°54 | 28°55 | 29Ω58 | 7°37 | 17° 1 |
| S 25 | 12 34 40 | 10°35'26 | 7II11  | 25°47 | 25°27 | 1°33  | 14°59  | 17°22 | 26°24  | 5°33 | 17D54 | 28°52 | 29°54 | 7°43 | 17° 5 |
| S 26 | 12 38 36 | 11°34'10 | 21° 1  | 25R47 | 26°30 | 2°16  | 15° 9  | 17°24 | 26°26  | 5°35 | 17°54 | 28°50 | 29°51 | 7°50 | 17° 8 |
| M27  | 12 42 33 | 12°32'51 | 4Z37   | 25°42 | 27°33 | 2°59  | 15°18  | 17°27 | 26°27  | 5°37 | 17°54 | 28°48 | 29°48 | 7°57 | 17°12 |
| T 28 | 12 46 29 | 13°31'31 | 17°56  | 25°31 | 28°36 | 3°42  | 15°27  | 17°29 | 26°29  | 5°39 | 17°55 | 28°47 | 29°45 | 8° 3 | 17°16 |
| W29  | 12 50 26 | 14°30'08 | 0M59   | 25°14 | 29°38 | 4°25  | 15°37  | 17°31 | 26°31  | 5°40 | 17°55 | 28D47 | 29°42 | 8°10 | 17°20 |
| T 30 | 12 54 22 | 15°28'44 | 13°44  | 24°52 | 0II40 | 5° 8  | 15°46  | 17°33 | 26°32  | 5°42 | 17°55 | 28°47 | 29°38 | 8°17 | 17°23 |
| F 31 | 12 58 19 | 16Y27'17 | 26M13  | 24Y25 | 1II42 | 5Z51  | 15II56 | 17Z35 | 26II34 | 5X44 | 17Ω55 | 28Ω48 | 29Ω35 | 8Z24 | 17Y27 |

Delta T = 12m30s Julian Calendar 1 March 1195 == Greg. Calendar 8 March 1195

APRIL 1195 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁      | ♂     | ♃      | ♅     | ♁      | ♁    | ♁     | ♁     | ♁     | ♁     | ♁     |
|------|----------|----------|-------|-------|--------|-------|--------|-------|--------|------|-------|-------|-------|-------|-------|
| S 1  | 13 2 15  | 17Y25'49 | 8X27  | 23R54 | 2II44  | 6Z33  | 16II 6 | 17Z37 | 26II36 | 5X46 | 17Ω55 | 28Ω49 | 29Ω32 | 8Z30  | 17Y31 |
| S 2  | 13 6 12  | 18°24'20 | 20°30 | 23Y20 | 3°45   | 7°16  | 16°16  | 17°39 | 26°37  | 5°48 | 17°55 | 28°50 | 29°29 | 8°37  | 17°34 |
| M 3  | 13 10 8  | 19°22'48 | 2Z26  | 22°43 | 4°45   | 7°59  | 16°26  | 17°41 | 26°39  | 5°49 | 17°55 | 28°51 | 29°26 | 8°44  | 17°38 |
| T 4  | 13 14 5  | 20°21'15 | 14°19 | 22° 4 | 5°46   | 8°41  | 16°36  | 17°43 | 26°41  | 5°51 | 17°56 | 28°51 | 29°23 | 8°50  | 17°42 |
| W 5  | 13 18 2  | 21°19'41 | 26°13 | 21°23 | 6°46   | 9°24  | 16°47  | 17°44 | 26°43  | 5°53 | 17°56 | 28R51 | 29°19 | 8°57  | 17°45 |
| T 6  | 13 21 58 | 22°18'04 | 8Ω14  | 20°42 | 7°45   | 10° 6 | 16°57  | 17°46 | 26°45  | 5°55 | 17°56 | 28°51 | 29°16 | 9° 4  | 17°49 |
| F 7  | 13 25 55 | 23°16'26 | 20°25 | 20° 1 | 8°44   | 10°49 | 17° 7  | 17°47 | 26°47  | 5°56 | 17°57 | 28°51 | 29°13 | 9°11  | 17°53 |
| S 8  | 13 29 51 | 24°14'46 | 2X51  | 19°21 | 9°43   | 11°31 | 17°18  | 17°49 | 26°49  | 5°58 | 17°57 | 28°50 | 29°10 | 9°17  | 17°57 |
| S 9  | 13 33 48 | 25°13'05 | 15°34 | 18°43 | 10°42  | 12°14 | 17°29  | 17°50 | 26°51  | 6° 0 | 17°57 | 28°50 | 29° 7 | 9°24  | 18° 0 |
| M10  | 13 37 44 | 26°11'22 | 28°38 | 18° 7 | 11°39  | 12°56 | 17°39  | 17°51 | 26°53  | 6° 1 | 17°58 | 28°49 | 29° 4 | 9°31  | 18° 4 |
| T 11 | 13 41 41 | 27° 9'37 | 12Y 2 | 17°33 | 12°37  | 13°38 | 17°50  | 17°52 | 26°55  | 6° 3 | 17°58 | 28°49 | 29° 0 | 9°37  | 18° 8 |
| W12  | 13 45 37 | 28° 7'51 | 25°45 | 17° 3 | 13°34  | 14°20 | 18° 1  | 17°53 | 26°58  | 6° 5 | 17°59 | 28D49 | 28°57 | 9°44  | 18°11 |
| T 13 | 13 49 34 | 29° 6'03 | 9Z46  | 16°37 | 14°30  | 15° 3 | 18°12  | 17°54 | 27° 0  | 6° 6 | 17°59 | 28R49 | 28°54 | 9°51  | 18°15 |
| F 14 | 13 53 31 | 0Z 4'13  | 24° 1 | 16°15 | 15°26  | 15°45 | 18°23  | 17°55 | 27° 2  | 6° 8 | 18° 0 | 28°49 | 28°51 | 9°58  | 18°19 |
| S 15 | 13 57 27 | 1° 2'22  | 8II24 | 15°57 | 16°22  | 16°27 | 18°34  | 17°55 | 27° 4  | 6° 9 | 18° 0 | 28°49 | 28°48 | 10° 4 | 18°22 |
| S 16 | 14 1 24  | 2° 0'28  | 22°51 | 15°43 | 17°16  | 17° 9 | 18°46  | 17°56 | 27° 7  | 6°11 | 18° 1 | 28°48 | 28°44 | 10°11 | 18°26 |
| M17  | 14 5 20  | 2°58'33  | 7Ω18  | 15°34 | 18°11  | 17°51 | 18°57  | 17°56 | 27° 9  | 6°12 | 18° 1 | 28°48 | 28°41 | 10°18 | 18°29 |
| T 18 | 14 9 17  | 3°56'35  | 21°39 | 15D30 | 19° 4  | 18°33 | 19° 8  | 17°57 | 27°12  | 6°13 | 18° 2 | 28°48 | 28°38 | 10°24 | 18°33 |
| W19  | 14 13 13 | 4°54'36  | 5Ω51  | 15°30 | 19°58  | 19°15 | 19°20  | 17°57 | 27°14  | 6°15 | 18° 2 | 28D48 | 28°35 | 10°31 | 18°37 |
| T 20 | 14 17 10 | 5°52'34  | 19°53 | 15°35 | 20°50  | 19°57 | 19°31  | 17°57 | 27°17  | 6°16 | 18° 3 | 28°48 | 28°32 | 10°38 | 18°40 |
| F 21 | 14 21 6  | 6°50'31  | 3II43 | 15°45 | 21°42  | 20°38 | 19°43  | 17R57 | 27°19  | 6°18 | 18° 4 | 28°48 | 28°29 | 10°45 | 18°44 |
| S 22 | 14 25 3  | 7°48'25  | 17°19 | 16° 0 | 22°33  | 21°20 | 19°55  | 17°57 | 27°22  | 6°19 | 18° 4 | 28°49 | 28°25 | 10°51 | 18°47 |
| S 23 | 14 29 0  | 8°46'18  | 0Ω43  | 16°18 | 23°23  | 22° 2 | 20° 6  | 17°57 | 27°25  | 6°20 | 18° 5 | 28°50 | 28°22 | 10°58 | 18°51 |
| M24  | 14 32 56 | 9°44'09  | 13°53 | 16°42 | 24°13  | 22°44 | 20°18  | 17°57 | 27°27  | 6°21 | 18° 6 | 28°51 | 28°19 | 11° 5 | 18°54 |
| T 25 | 14 36 53 | 10°41'59 | 26°49 | 17° 9 | 25° 2  | 23°25 | 20°30  | 17°56 | 27°30  | 6°23 | 18° 7 | 28R51 | 28°16 | 11°11 | 18°58 |
| W26  | 14 40 49 | 11°39'47 | 9II33 | 17°41 | 25°50  | 24° 7 | 20°42  | 17°56 | 27°33  | 6°24 | 18° 7 | 28°51 | 28°13 | 11°18 | 19° 1 |
| T 27 | 14 44 46 | 12°37'33 | 22° 4 | 18°17 | 26°37  | 24°48 | 20°54  | 17°55 | 27°35  | 6°25 | 18° 8 | 28°50 | 28°10 | 11°25 | 19° 5 |
| F 28 | 14 48 42 | 13°35'18 | 4X23  | 18°56 | 27°24  | 25°30 | 21° 6  | 17°55 | 27°38  | 6°26 | 18° 9 | 28°48 | 28° 6 | 11°32 | 19° 8 |
| S 29 | 14 52 39 | 14°33'02 | 16°32 | 19°40 | 28° 9  | 26°11 | 21°18  | 17°54 | 27°41  | 6°27 | 18°10 | 28°46 | 28° 3 | 11°38 | 19°12 |
| S 30 | 14 56 35 | 15Z30'45 | 28X33 | 20Y27 | 28II54 | 26Z53 | 21II30 | 17Z53 | 27II44 | 6X28 | 18Ω11 | 28Ω44 | 28Ω 0 | 11Z45 | 19Y15 |

Delta T = 12m30s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1195

MAY 1195 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁      | ♂     | ♃     | ♄      | ♅     | ♆    | ♇     | ♈      | ♉     | ♊     | ♋     | ♌ | ♍ |
|------|----------|----------|-------|-------|--------|-------|-------|--------|-------|------|-------|--------|-------|-------|-------|---|---|
| M 1  | 15 0 32  | 16♄28'26 | 10♃28 | 21♀17 | 29♁38  | 27♂34 | 21♁43 | 17°R52 | 27♁47 | 6♃29 | 18♄12 | 28°R41 | 27♁57 | 11♃52 | 19♀19 |   |   |
| T 2  | 15 4 29  | 17°26'06 | 22°21 | 22°11 | 0♄21   | 28°15 | 21°55 | 17♃51  | 27°50 | 6°30 | 18°13 | 28♁39  | 27°54 | 11°58 | 19°22 |   |   |
| W 3  | 15 8 25  | 18°23'45 | 4♁15  | 23° 8 | 1° 2   | 28°56 | 22° 7 | 17°50  | 27°53 | 6°31 | 18°13 | 28°37  | 27°50 | 12° 5 | 19°25 |   |   |
| T 4  | 15 12 22 | 19°21'23 | 16°14 | 24° 9 | 1°43   | 29°38 | 22°20 | 17°49  | 27°56 | 6°32 | 18°14 | 28°D37 | 27°47 | 12°12 | 19°29 |   |   |
| F 5  | 15 16 18 | 20°19'00 | 28°24 | 25°12 | 2°23   | 0♁19  | 22°32 | 17°48  | 27°59 | 6°33 | 18°15 | 28°37  | 27°44 | 12°19 | 19°32 |   |   |
| S 6  | 15 20 15 | 21°16'36 | 10♃48 | 26°19 | 3° 1   | 1° 0  | 22°45 | 17°46  | 28° 2 | 6°34 | 18°16 | 28°38  | 27°41 | 12°25 | 19°35 |   |   |
| S 7  | 15 24 11 | 22°14'11 | 23°31 | 27°28 | 3°38   | 1°41  | 22°57 | 17°45  | 28° 5 | 6°35 | 18°17 | 28°39  | 27°38 | 12°32 | 19°39 |   |   |
| M 8  | 15 28 8  | 23°11'45 | 6♀37  | 28°41 | 4°14   | 2°22  | 23°10 | 17°43  | 28° 8 | 6°36 | 18°18 | 28°41  | 27°35 | 12°39 | 19°42 |   |   |
| T 9  | 15 32 4  | 24° 9'18 | 20° 7 | 29°56 | 4°49   | 3° 3  | 23°23 | 17°41  | 28°11 | 6°37 | 18°19 | 28°42  | 27°31 | 12°46 | 19°45 |   |   |
| W10  | 15 36 1  | 25° 6'51 | 4♂ 2  | 1♁14  | 5°23   | 3°44  | 23°35 | 17°40  | 28°14 | 6°38 | 18°21 | 28°R42 | 27°28 | 12°52 | 19°48 |   |   |
| T 11 | 15 39 58 | 26° 4'22 | 18°21 | 2°34  | 5°55   | 4°25  | 23°48 | 17°38  | 28°17 | 6°38 | 18°22 | 28°41  | 27°25 | 12°59 | 19°51 |   |   |
| F 12 | 15 43 54 | 27° 1'52 | 2♁58  | 3°58  | 6°26   | 5° 6  | 24° 1 | 17°36  | 28°21 | 6°39 | 18°23 | 28°38  | 27°22 | 13° 6 | 19°54 |   |   |
| S 13 | 15 47 51 | 27°59'21 | 17°47 | 5°24  | 6°55   | 5°47  | 24°14 | 17°34  | 28°24 | 6°40 | 18°24 | 28°35  | 27°19 | 13°12 | 19°58 |   |   |
| S 14 | 15 51 47 | 28°56'49 | 2♄41  | 6°52  | 7°23   | 6°28  | 24°27 | 17°32  | 28°27 | 6°40 | 18°25 | 28°31  | 27°16 | 13°19 | 20° 1 |   |   |
| M15  | 15 55 44 | 29°54'16 | 17°30 | 8°24  | 7°49   | 7° 9  | 24°40 | 17°30  | 28°30 | 6°41 | 18°26 | 28°27  | 27°12 | 13°26 | 20° 4 |   |   |
| T 16 | 15 59 40 | 0♁51'41  | 2♁ 9  | 9°57  | 8°14   | 7°49  | 24°53 | 17°27  | 28°34 | 6°42 | 18°27 | 28°23  | 27° 9 | 13°33 | 20° 7 |   |   |
| W17  | 16 3 37  | 1°49'06  | 16°31 | 11°34 | 8°36   | 8°30  | 25° 6 | 17°25  | 28°37 | 6°42 | 18°29 | 28°21  | 27° 6 | 13°39 | 20°10 |   |   |
| T 18 | 16 7 33  | 2°46'29  | 0♁34  | 13°13 | 8°58   | 9°11  | 25°19 | 17°23  | 28°40 | 6°43 | 18°30 | 28°D20 | 27° 3 | 13°46 | 20°13 |   |   |
| F 19 | 16 11 30 | 3°43'51  | 14°16 | 14°54 | 9°17   | 9°51  | 25°32 | 17°20  | 28°44 | 6°43 | 18°31 | 28°20  | 27° 0 | 13°53 | 20°16 |   |   |
| S 20 | 16 15 27 | 4°41'11  | 27°39 | 16°38 | 9°34   | 10°32 | 25°45 | 17°17  | 28°47 | 6°44 | 18°32 | 28°22  | 26°56 | 13°59 | 20°18 |   |   |
| S 21 | 16 19 23 | 5°38'31  | 10♁45 | 18°25 | 9°49   | 11°12 | 25°58 | 17°15  | 28°50 | 6°44 | 18°34 | 28°23  | 26°53 | 14° 6 | 20°21 |   |   |
| M22  | 16 23 20 | 6°35'49  | 23°35 | 20°14 | 10° 3  | 11°53 | 26°11 | 17°12  | 28°54 | 6°45 | 18°35 | 28°R24 | 26°50 | 14°13 | 20°24 |   |   |
| T 23 | 16 27 16 | 7°33'07  | 6♁12  | 22° 5 | 10°14  | 12°33 | 26°24 | 17° 9  | 28°57 | 6°45 | 18°36 | 28°24  | 26°47 | 14°20 | 20°27 |   |   |
| W24  | 16 31 13 | 8°30'24  | 18°37 | 23°59 | 10°23  | 13°14 | 26°38 | 17° 6  | 29° 1 | 6°45 | 18°38 | 28°22  | 26°44 | 14°26 | 20°30 |   |   |
| T 25 | 16 35 9  | 9°27'40  | 0♁53  | 25°55 | 10°30  | 13°54 | 26°51 | 17° 3  | 29° 4 | 6°46 | 18°39 | 28°18  | 26°41 | 14°33 | 20°32 |   |   |
| F 26 | 16 39 6  | 10°24'55 | 13° 2 | 27°54 | 10°35  | 14°34 | 27° 4 | 17° 0  | 29° 8 | 6°46 | 18°40 | 28°12  | 26°37 | 14°40 | 20°35 |   |   |
| S 27 | 16 43 2  | 11°22'10 | 25° 3 | 29°54 | 10°38  | 15°15 | 27°17 | 16°57  | 29°11 | 6°46 | 18°42 | 28° 5  | 26°34 | 14°46 | 20°38 |   |   |
| S 28 | 16 46 59 | 12°19'24 | 7♃ 0  | 1♁57  | 10°R38 | 15°55 | 27°31 | 16°54  | 29°15 | 6°46 | 18°43 | 27°57  | 26°31 | 14°53 | 20°40 |   |   |
| M29  | 16 50 56 | 13°16'38 | 18°53 | 4° 1  | 10°36  | 16°35 | 27°44 | 16°51  | 29°18 | 6°47 | 18°44 | 27°49  | 26°28 | 15° 0 | 20°43 |   |   |
| T 30 | 16 54 52 | 14°13'51 | 0♁45  | 6° 8  | 10°31  | 17°15 | 27°57 | 16°47  | 29°22 | 6°47 | 18°46 | 27°41  | 26°25 | 15° 7 | 20°45 |   |   |
| W31  | 16 58 49 | 15°11'04 | 12♁39 | 8♁15  | 10♄24  | 17♁56 | 28♁11 | 16♃44  | 29♁25 | 6♃47 | 18♄47 | 27♁35  | 26♁21 | 15♃13 | 20♀48 |   |   |

Delta T = 12m30s

Julian Calendar 1 May 1195 == Greg. Calendar 8 May 1195

JUNE 1195 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁      | ♂     | ♃     | ♄      | ♅     | ♆     | ♇     | ♈      | ♉     | ♊     | ♋     | ♌ | ♍ |
|------|----------|----------|-------|-------|--------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|---|---|
| T 1  | 17 2 45  | 16♁ 8'17 | 24♁38 | 10♁24 | 10°R15 | 18♁36 | 28♁24 | 16°R41 | 29♁29 | 6♃47  | 18♄49 | 27°R31 | 26♁18 | 15♃20 | 20♀50 |   |   |
| F 2  | 17 6 42  | 17° 5'29 | 6♃46  | 12°34 | 10♄ 3  | 19°16 | 28°38 | 16♃37  | 29°32 | 6°47  | 18°50 | 27♁29  | 26°15 | 15°27 | 20°53 |   |   |
| S 3  | 17 10 38 | 18° 2'41 | 19° 7 | 14°45 | 9°49   | 19°56 | 28°51 | 16°33  | 29°36 | 6°R47 | 18°52 | 27°D28 | 26°12 | 15°34 | 20°55 |   |   |
| S 4  | 17 14 35 | 18°59'53 | 1♀47  | 16°56 | 9°32   | 20°36 | 29° 4 | 16°30  | 29°39 | 6°47  | 18°53 | 27°29  | 26° 9 | 15°40 | 20°57 |   |   |
| M 5  | 17 18 31 | 19°57'06 | 14°49 | 19° 8 | 9°14   | 21°16 | 29°18 | 16°26  | 29°43 | 6°47  | 18°54 | 27°30  | 26° 6 | 15°47 | 21° 0 |   |   |
| T 6  | 17 22 28 | 20°54'18 | 28°17 | 21°19 | 8°53   | 21°56 | 29°31 | 16°22  | 29°46 | 6°47  | 18°56 | 27°R30 | 26° 2 | 15°54 | 21° 2 |   |   |
| W 7  | 17 26 25 | 21°51'30 | 12♁13 | 23°30 | 8°30   | 22°36 | 29°45 | 16°19  | 29°50 | 6°47  | 18°57 | 27°29  | 25°59 | 16° 0 | 21° 4 |   |   |
| T 8  | 17 30 21 | 22°48'42 | 26°36 | 25°40 | 8° 4   | 23°16 | 29°58 | 16°15  | 29°54 | 6°47  | 18°59 | 27°26  | 25°56 | 16° 7 | 21° 6 |   |   |
| F 9  | 17 34 18 | 23°45'54 | 11♁24 | 27°50 | 7°37   | 23°56 | 0♄12  | 16°11  | 29°57 | 6°46  | 19° 1 | 27°21  | 25°53 | 16°14 | 21° 8 |   |   |
| S 10 | 17 38 14 | 24°43'06 | 26°29 | 29°58 | 7° 8   | 24°35 | 0°25  | 16° 7  | 0♄ 1  | 6°46  | 19° 2 | 27°14  | 25°50 | 16°21 | 21°10 |   |   |
| S 11 | 17 42 11 | 25°40'18 | 11♄42 | 2♄ 5  | 6°37   | 25°15 | 0°39  | 16° 3  | 0° 4  | 6°46  | 19° 4 | 27° 5  | 25°47 | 16°27 | 21°12 |   |   |
| M12  | 17 46 7  | 26°37'29 | 26°52 | 4°11  | 6° 5   | 25°55 | 0°53  | 15°59  | 0° 8  | 6°46  | 19° 5 | 26°57  | 25°43 | 16°34 | 21°14 |   |   |
| T 13 | 17 50 4  | 27°34'40 | 11♁49 | 6°15  | 5°31   | 26°35 | 1° 6  | 15°55  | 0°12  | 6°45  | 19° 7 | 26°49  | 25°40 | 16°41 | 21°16 |   |   |
| W14  | 17 54 0  | 28°31'51 | 26°25 | 8°18  | 4°56   | 27°14 | 1°20  | 15°51  | 0°15  | 6°45  | 19° 8 | 26°43  | 25°37 | 16°47 | 21°18 |   |   |
| T 15 | 17 57 57 | 29°29'02 | 10♁36 | 10°19 | 4°21   | 27°54 | 1°33  | 15°47  | 0°19  | 6°45  | 19°10 | 26°40  | 25°34 | 16°54 | 21°20 |   |   |
| F 16 | 18 1 54  | 0♄26'12  | 24°21 | 12°18 | 3°44   | 28°34 | 1°47  | 15°42  | 0°23  | 6°44  | 19°11 | 26°38  | 25°31 | 17° 1 | 21°22 |   |   |
| S 17 | 18 5 50  | 1°23'22  | 7♁41  | 14°15 | 3° 7   | 29°13 | 2° 0  | 15°38  | 0°26  | 6°44  | 19°13 | 26°D38 | 25°27 | 17° 8 | 21°24 |   |   |
| S 18 | 18 9 47  | 2°20'32  | 20°38 | 16°11 | 2°29   | 29°53 | 2°14  | 15°34  | 0°30  | 6°43  | 19°15 | 26°R39 | 25°24 | 17°14 | 21°25 |   |   |
| M19  | 18 13 43 | 3°17'42  | 3♁17  | 18° 4 | 1°52   | 0♄32  | 2°27  | 15°30  | 0°33  | 6°43  | 19°16 | 26°39  | 25°21 | 17°21 | 21°27 |   |   |
| T 20 | 18 17 40 | 4°14'51  | 15°42 | 19°55 | 1°14   | 1°12  | 2°41  | 15°25  | 0°37  | 6°42  | 19°18 | 26°37  | 25°18 | 17°28 | 21°29 |   |   |
| W21  | 18 21 36 | 5°12'01  | 27°55 | 21°45 | 0°38   | 1°51  | 2°54  | 15°21  | 0°41  | 6°42  | 19°20 | 26°33  | 25°15 | 17°35 | 21°30 |   |   |
| T 22 | 18 25 33 | 6° 9'11  | 10♁7  | 23°33 | 0° 1   | 2°31  | 3° 8  | 15°17  | 0°44  | 6°41  | 19°21 | 26°27  | 25°12 | 17°41 | 21°32 |   |   |
| F 23 | 18 29 29 | 7° 6'21  | 21°59 | 25°18 | 29♁26  | 3°10  | 3°22  | 15°12  | 0°48  | 6°40  | 19°23 | 26°17  | 25° 8 | 17°48 | 21°33 |   |   |
| S 24 | 18 33 26 | 8° 3'31  | 3♃55  | 27° 2 | 28°52  | 3°49  | 3°35  | 15° 8  | 0°52  | 6°40  | 19°24 | 26° 6  | 25° 5 | 17°55 | 21°35 |   |   |
| S 25 | 18 37 23 | 9° 0'41  | 15°48 | 28°43 | 28°19  | 4°29  | 3°49  | 15° 4  | 0°55  | 6°39  | 19°26 | 25°53  | 25° 2 | 18° 1 | 21°36 |   |   |
| M26  | 18 41 19 | 9°57'52  | 27°41 | 0♁23  | 27°47  | 5° 8  | 4° 2  | 14°59  | 0°59  | 6°38  | 19°28 | 25°40  | 24°59 | 18° 8 | 21°37 |   |   |
| T 27 | 18 45 16 | 10°55'03 | 9♁34  | 2° 1  | 27°18  | 5°47  | 4°16  | 14°55  | 1° 2  | 6°38  | 19°29 | 25°28  | 24°56 | 18°15 | 21°38 |   |   |
| W28  | 18 49 12 | 11°52'15 | 21°30 | 3°37  | 26°50  | 6°26  | 4°29  | 14°50  | 1° 6  | 6°37  | 19°31 | 25°18  | 24°53 | 18°22 | 21°40 |   |   |
| T 29 | 18 53 9  | 12°49'27 | 3♃31  | 5°10  | 26°24  | 7° 6  | 4°42  | 14°46  | 1° 9  | 6°36  | 19°33 | 25°10  | 24°49 | 18°28 | 21°41 |   |   |
| F 30 | 18 57 5  | 13♄46'40 | 15♃40 | 6♁42  | 26♁ 0  | 7♄45  | 4♄56  | 14♃41  | 1♄13  | 6♃35  | 19♄34 | 25♁ 4  | 24♁46 | 18♃35 | 21♀42 |   |   |

Delta T = 12m29s

Julian Calendar

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SWISS EPHEMERIS for the year 1195

JULY 1195 JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                  | ♀                 | ♁                  | ♂                  | ♃                  | ♅                  | ♁                 | ♁                 | ♁                  | ♁                 | ♁                  | ♁                  | ♁                  |
|------|----------|-----------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|-------------------|--------------------|--------------------|--------------------|
| S 1  | 19 1 2   | 14 <sup>5</sup> 43'53 | 28 <sup>Ⅷ</sup> 1  | 8 <sup>♁</sup> 12 | 25°R38             | 8 <sup>♁</sup> 24  | 5 <sup>♁</sup> 9   | 14°R37             | 1 <sup>♁</sup> 17 | 6°R35             | 19 <sup>♁</sup> 36 | 25°R 1            | 24 <sup>♁</sup> 43 | 18 <sup>♁</sup> 42 | 21 <sup>♁</sup> 43 |
| S 2  | 19 4 58  | 15°41'08              | 10 <sup>♁</sup> 38 | 9°40              | 25 <sup>♁</sup> 19 | 9° 3               | 5°23               | 14 <sup>♁</sup> 33 | 1°20              | 6 <sup>♁</sup> 34 | 19°38              | 25 <sup>♁</sup> 1 | 24°40              | 18°48              | 21°44              |
| M 3  | 19 8 55  | 16°38'23              | 23°36              | 11° 6             | 25° 2              | 9°42               | 5°36               | 14°28              | 1°24              | 6°33              | 19°39              | 25° 0             | 24°37              | 18°55              | 21°45              |
| T 4  | 19 12 52 | 17°35'39              | 6 <sup>♁</sup> 58  | 12°30             | 24°47              | 10°21              | 5°50               | 14°24              | 1°27              | 6°32              | 19°41              | 25° 0             | 24°33              | 19° 2              | 21°46              |
| W 5  | 19 16 48 | 18°32'56              | 20°47              | 13°51             | 24°34              | 11° 0              | 6° 3               | 14°19              | 1°31              | 6°31              | 19°43              | 24°58             | 24°30              | 19° 9              | 21°47              |
| T 6  | 19 20 45 | 19°30'14              | 5 <sup>♁</sup> 5   | 15°11             | 24°24              | 11°39              | 6°16               | 14°15              | 1°34              | 6°30              | 19°44              | 24°54             | 24°27              | 19°15              | 21°47              |
| F 7  | 19 24 41 | 20°27'33              | 19°50              | 16°28             | 24°17              | 12°18              | 6°30               | 14°10              | 1°38              | 6°29              | 19°46              | 24°48             | 24°24              | 19°22              | 21°48              |
| S 8  | 19 28 38 | 21°24'53              | 4 <sup>♁</sup> 55  | 17°43             | 24°12              | 12°57              | 6°43               | 14° 6              | 1°41              | 6°28              | 19°48              | 24°39             | 24°21              | 19°29              | 21°49              |
| S 9  | 19 32 34 | 22°22'14              | 20°13              | 18°56             | 24° 9              | 13°36              | 6°56               | 14° 2              | 1°45              | 6°27              | 19°49              | 24°28             | 24°18              | 19°36              | 21°49              |
| M10  | 19 36 31 | 23°19'35              | 5 <sup>♁</sup> 31  | 20° 7             | 24°D 8             | 14°15              | 7°10               | 13°57              | 1°48              | 6°26              | 19°51              | 24°18             | 24°14              | 19°42              | 21°50              |
| T 11 | 19 40 27 | 24°16'58              | 20°39              | 21°15             | 24°10              | 14°54              | 7°23               | 13°53              | 1°51              | 6°25              | 19°53              | 24° 8             | 24°11              | 19°49              | 21°50              |
| W12  | 19 44 24 | 25°14'21              | 5 <sup>♁</sup> 26  | 22°21             | 24°14              | 15°33              | 7°36               | 13°49              | 1°55              | 6°24              | 19°54              | 24° 0             | 24° 8              | 19°56              | 21°51              |
| T 13 | 19 48 21 | 26°11'44              | 19°47              | 23°24             | 24°20              | 16°12              | 7°49               | 13°44              | 1°58              | 6°22              | 19°56              | 23°55             | 24° 5              | 20° 2              | 21°51              |
| F 14 | 19 52 17 | 27° 9'08              | 3 <sup>♁</sup> 40  | 24°24             | 24°29              | 16°51              | 8° 2               | 13°40              | 2° 2              | 6°21              | 19°58              | 23°52             | 24° 2              | 20° 9              | 21°52              |
| S 15 | 19 56 14 | 28° 6'33              | 17° 3              | 25°22             | 24°39              | 17°30              | 8°15               | 13°36              | 2° 5              | 6°20              | 19°59              | 23°51             | 23°59              | 20°16              | 21°52              |
| S 16 | 20 0 10  | 29° 3'59              | 0 <sup>♁</sup> 1   | 26°16             | 24°52              | 18° 8              | 8°28               | 13°32              | 2° 8              | 6°19              | 20° 1              | 23°51             | 23°55              | 20°23              | 21°52              |
| M17  | 20 4 7   | 0 <sup>♁</sup> 1'25   | 12°38              | 27° 8             | 25° 6              | 18°47              | 8°42               | 13°27              | 2°12              | 6°18              | 20° 3              | 23°51             | 23°52              | 20°29              | 21°52              |
| T 18 | 20 8 3   | 0°58'52               | 24°57              | 27°56             | 25°23              | 19°26              | 8°55               | 13°23              | 2°15              | 6°16              | 20° 4              | 23°49             | 23°49              | 20°36              | 21°52              |
| W19  | 20 12 0  | 1°56'20               | 7 <sup>♁</sup> 4   | 28°41             | 25°41              | 20° 4              | 9° 7               | 13°19              | 2°18              | 6°15              | 20° 6              | 23°45             | 23°46              | 20°43              | 21°53              |
| T 20 | 20 15 56 | 2°53'48               | 19° 4              | 29°22             | 26° 1              | 20°43              | 9°20               | 13°15              | 2°21              | 6°14              | 20° 8              | 23°38             | 23°43              | 20°50              | 21°R53             |
| F 21 | 20 19 53 | 3°51'18               | 0 <sup>♁</sup> 58  | 0 <sup>♁</sup> 0  | 26°23              | 21°22              | 9°33               | 13°11              | 2°25              | 6°12              | 20° 9              | 23°28             | 23°39              | 20°56              | 21°53              |
| S 22 | 20 23 50 | 4°48'49               | 12°50              | 0°33              | 26°47              | 22° 0              | 9°46               | 13° 7              | 2°28              | 6°11              | 20°11              | 23°17             | 23°36              | 21° 3              | 21°52              |
| S 23 | 20 27 46 | 5°46'21               | 24°43              | 1° 2              | 27°12              | 22°39              | 9°59               | 13° 3              | 2°31              | 6°10              | 20°13              | 23° 4             | 23°33              | 21°10              | 21°52              |
| M24  | 20 31 43 | 6°43'53               | 6 <sup>♁</sup> 37  | 1°28              | 27°39              | 23°18              | 10°12              | 12°59              | 2°34              | 6° 8              | 20°14              | 22°50             | 23°30              | 21°16              | 21°52              |
| T 25 | 20 35 39 | 7°41'27               | 18°35              | 1°48              | 28° 8              | 23°56              | 10°24              | 12°55              | 2°37              | 6° 7              | 20°16              | 22°37             | 23°27              | 21°23              | 21°52              |
| W26  | 20 39 36 | 8°39'03               | 0 <sup>♁</sup> 37  | 2° 4              | 28°38              | 24°35              | 10°37              | 12°52              | 2°40              | 6° 6              | 20°17              | 22°27             | 23°24              | 21°30              | 21°52              |
| T 27 | 20 43 32 | 9°36'39               | 12°45              | 2°14              | 29° 9              | 25°13              | 10°50              | 12°48              | 2°44              | 6° 4              | 20°19              | 22°18             | 23°20              | 21°37              | 21°51              |
| F 28 | 20 47 29 | 10°34'17              | 25° 2              | 2°20              | 29°42              | 25°52              | 11° 2              | 12°44              | 2°47              | 6° 3              | 20°21              | 22°13             | 23°17              | 21°43              | 21°51              |
| S 29 | 20 51 25 | 11°31'57              | 7 <sup>♁</sup> 29  | 2°R20             | 0 <sup>♁</sup> 16  | 26°30              | 11°15              | 12°41              | 2°50              | 6° 1              | 20°22              | 22°10             | 23°14              | 21°50              | 21°50              |
| S 30 | 20 55 22 | 12°29'38              | 20° 9              | 2°15              | 0°52               | 27° 8              | 11°27              | 12°37              | 2°53              | 6° 0              | 20°24              | 22°D 9            | 23°11              | 21°57              | 21°50              |
| M31  | 20 59 19 | 13 <sup>♁</sup> 27'21 | 3 <sup>♁</sup> 7   | 2 <sup>♁</sup> 4  | 1 <sup>♁</sup> 28  | 27 <sup>♁</sup> 47 | 11 <sup>♁</sup> 40 | 12 <sup>♁</sup> 34 | 2 <sup>♁</sup> 56 | 5 <sup>♁</sup> 58 | 20 <sup>♁</sup> 25 | 22 <sup>♁</sup> 9 | 23 <sup>♁</sup> 8  | 22 <sup>♁</sup> 3  | 21 <sup>♁</sup> 49 |

Delta T = 12m29s

Julian Calendar 1 July 1195 == Greg. Calendar 8 July 1195

AUGUST 1195 JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                  | ♀                  | ♁                  | ♂                  | ♃                  | ♅                  | ♁                 | ♁                 | ♁                  | ♁                  | ♁                  | ♁                  | ♁                  |
|------|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| T 1  | 21 3 15  | 14 <sup>♁</sup> 25'05 | 16 <sup>♁</sup> 26 | 1°R47              | 2 <sup>♁</sup> 6   | 28 <sup>♁</sup> 25 | 11 <sup>♁</sup> 52 | 12°R30             | 2 <sup>♁</sup> 59 | 5°R57             | 20 <sup>♁</sup> 27 | 22°R 9             | 23 <sup>♁</sup> 5  | 22 <sup>♁</sup> 10 | 21°R48             |
| W 2  | 21 7 12  | 15°22'52              | 0 <sup>♁</sup> 8   | 1 <sup>♁</sup> 24  | 2°45               | 29° 4              | 12° 5              | 12 <sup>♁</sup> 27 | 3° 1              | 5 <sup>♁</sup> 55 | 20°28              | 22 <sup>♁</sup> 8  | 23° 1              | 22°17              | 21 <sup>♁</sup> 48 |
| T 3  | 21 11 8  | 16°20'40              | 14°15              | 0°56               | 3°25               | 29°42              | 12°17              | 12°23              | 3° 4              | 5°54              | 20°30              | 22° 6              | 22°58              | 22°24              | 21°47              |
| F 4  | 21 15 5  | 17°18'30              | 28°47              | 0°23               | 4° 7               | 0 <sup>♁</sup> 20  | 12°29              | 12°20              | 3° 7              | 5°52              | 20°31              | 22° 0              | 22°55              | 22°30              | 21°46              |
| S 5  | 21 19 1  | 18°16'22              | 13 <sup>♁</sup> 39 | 29 <sup>♁</sup> 44 | 4°49               | 0°59               | 12°41              | 12°17              | 3°10              | 5°51              | 20°33              | 21°53              | 22°52              | 22°37              | 21°45              |
| S 6  | 21 22 58 | 19°14'15              | 28°45              | 29° 1              | 5°32               | 1°37               | 12°53              | 12°14              | 3°13              | 5°49              | 20°35              | 21°44              | 22°49              | 22°44              | 21°44              |
| M 7  | 21 26 54 | 20°12'10              | 13 <sup>♁</sup> 56 | 28°13              | 6°16               | 2°15               | 13° 5              | 12°11              | 3°15              | 5°48              | 20°36              | 21°35              | 22°45              | 22°51              | 21°44              |
| T 8  | 21 30 51 | 21°10'06              | 29° 0              | 27°22              | 7° 2               | 2°54               | 13°17              | 12° 8              | 3°18              | 5°46              | 20°37              | 21°26              | 22°42              | 22°57              | 21°42              |
| W 9  | 21 34 48 | 22° 8'04              | 13 <sup>♁</sup> 48 | 26°28              | 7°47               | 3°32               | 13°29              | 12° 5              | 3°21              | 5°44              | 20°39              | 21°20              | 22°39              | 23° 4              | 21°41              |
| T 10 | 21 38 44 | 23° 6'04              | 28°13              | 25°33              | 8°34               | 4°10               | 13°41              | 12° 2              | 3°24              | 5°43              | 20°40              | 21°15              | 22°36              | 23°11              | 21°40              |
| F 11 | 21 42 41 | 24° 4'05              | 12 <sup>♁</sup> 10 | 24°37              | 9°22               | 4°48               | 13°53              | 11°59              | 3°26              | 5°41              | 20°42              | 21°13              | 22°33              | 23°17              | 21°39              |
| S 12 | 21 46 37 | 25° 2'07              | 25°40              | 23°42              | 10°10              | 5°26               | 14° 5              | 11°57              | 3°29              | 5°40              | 20°43              | 21°D13             | 22°30              | 23°24              | 21°38              |
| S 13 | 21 50 34 | 26° 0'11              | 8 <sup>♁</sup> 42  | 22°49              | 11° 0              | 6° 4               | 14°16              | 11°54              | 3°31              | 5°38              | 20°45              | 21°14              | 22°26              | 23°31              | 21°37              |
| M14  | 21 54 30 | 26°58'16              | 21°21              | 21°58              | 11°50              | 6°43               | 14°28              | 11°52              | 3°34              | 5°36              | 20°46              | 21°R14             | 22°23              | 23°38              | 21°35              |
| T 15 | 21 58 27 | 27°56'23              | 3 <sup>♁</sup> 42  | 21°12              | 12°40              | 7°21               | 14°39              | 11°49              | 3°36              | 5°35              | 20°48              | 21°14              | 22°20              | 23°44              | 21°34              |
| W16  | 22 2 23  | 28°54'31              | 15°49              | 20°31              | 13°32              | 7°59               | 14°51              | 11°47              | 3°39              | 5°33              | 20°49              | 21°13              | 22°17              | 23°51              | 21°33              |
| T 17 | 22 6 20  | 29°52'41              | 27°47              | 19°56              | 14°24              | 8°37               | 15° 2              | 11°45              | 3°41              | 5°31              | 20°50              | 21° 9              | 22°14              | 23°58              | 21°31              |
| F 18 | 22 10 17 | 0 <sup>♁</sup> 50'52  | 9 <sup>♁</sup> 40  | 19°28              | 15°16              | 9°15               | 15°13              | 11°43              | 3°43              | 5°30              | 20°52              | 21° 3              | 22°10              | 24° 5              | 21°30              |
| S 19 | 22 14 13 | 1°49'05               | 21°32              | 19° 8              | 16° 9              | 9°53               | 15°24              | 11°41              | 3°46              | 5°28              | 20°53              | 20°56              | 22° 7              | 24°11              | 21°28              |
| S 20 | 22 18 10 | 2°47'19               | 3 <sup>♁</sup> 26  | 18°57              | 17° 3              | 10°31              | 15°36              | 11°39              | 3°48              | 5°26              | 20°54              | 20°47              | 22° 4              | 24°18              | 21°26              |
| M21  | 22 22 6  | 3°45'35               | 15°25              | 18°D54             | 17°58              | 11° 9              | 15°47              | 11°37              | 3°50              | 5°25              | 20°56              | 20°38              | 22° 1              | 24°25              | 21°25              |
| T 22 | 22 26 3  | 4°43'53               | 27°29              | 19° 0              | 18°53              | 11°47              | 15°58              | 11°35              | 3°52              | 5°23              | 20°57              | 20°29              | 21°58              | 24°31              | 21°23              |
| W23  | 22 29 59 | 5°42'13               | 9 <sup>♁</sup> 42  | 19°15              | 19°48              | 12°25              | 16° 8              | 11°33              | 3°54              | 5°21              | 20°58              | 20°22              | 21°55              | 24°38              | 21°21              |
| T 24 | 22 33 56 | 6°40'34               | 22° 2              | 19°39              | 20°44              | 13° 3              | 16°19              | 11°32              | 3°57              | 5°20              | 20°59              | 20°17              | 21°51              | 24°45              | 21°19              |
| F 25 | 22 37 52 | 7°38'58               | 4 <sup>♁</sup> 33  | 20°12              | 21°41              | 13°41              | 16°30              | 11°30              | 3°59              | 5°18              | 21° 1              | 20°14              | 21°48              | 24°52              | 21°18              |
| S 26 | 22 41 49 | 8°37'23               | 17°14              | 20°54              | 22°38              | 14°19              | 16°40              | 11°29              | 4° 1              | 5°16              | 21° 2              | 20°D12             | 21°45              | 24°58              | 21°16              |
| S 27 | 22 45 46 | 9°35'51               | 0 <sup>♁</sup> 8   | 21°43              | 23°36              | 14°56              | 16°51              | 11°27              | 4° 3              | 5°15              | 21° 3              | 20°13              | 21°42              | 25° 5              | 21°14              |
| M28  | 22 49 42 | 10°34'21              | 13°15              | 22°41              | 24°34              | 15°34              | 17° 1              | 11°26              | 4° 5              | 5°13              | 21° 4              | 20°14              | 21°39              | 25°12              | 21°12              |
| T 29 | 22 53 39 | 11°32'53              | 26°39              | 23°46              | 25°32              | 16°12              | 17°12              | 11°25              | 4° 6              | 5°12              | 21° 5              | 20°15              | 21°36              | 25°18              | 21°10              |
| W30  | 22 57 35 | 12°31'27              | 10 <sup>♁</sup> 20 | 24°57              | 26°31              | 16°50              | 17°22              | 11°24              | 4° 8              | 5°10              | 21° 7              | 20°R16             | 21°32              | 25°25              | 21° 8              |
| T 31 | 23 1 32  | 13 <sup>♁</sup> 30'03 | 24 <sup>♁</sup> 19 | 26 <sup>♁</sup> 15 | 27 <sup>♁</sup> 31 | 17 <sup>♁</sup> 28 | 17 <sup>♁</sup> 32 | 11 <sup>♁</sup> 23 | 4 <sup>♁</sup> 10 | 5 <sup>♁</sup> 8  | 21 <sup>♁</sup> 8  | 20 <sup>♁</sup> 16 | 21 <sup>♁</sup> 29 | 25 <sup>♁</sup> 32 | 21 <sup>♁</sup> 6  |

Delta T = 12m29s

Julian Calendar

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SWISS EPHEMERIS for the year 1195

SEPTEMBER 1195 JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅      | ♁    | ♂    | ♃     | ♅      | ♁     | ♂     | ♃     | ♅ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|------|------|-------|--------|-------|-------|-------|---|
| F 1  | 23 5 28  | 14♎28'42 | 8♌37  | 27♏38 | 28♌31 | 18♏ 6 | 17♌42 | 11♎22  | 4♌12 | 5♎ 7 | 21♌ 9 | 20♎R14 | 21♌26 | 25♌39 | 21♎ 4 |   |
| S 2  | 23 9 25  | 15°27'24 | 23°10 | 29° 5 | 29°31 | 18°43 | 17°52 | 11♎21  | 4♌13 | 5♎ 5 | 21°10 | 20♌10  | 21°23 | 25°45 | 21♎ 1 |   |
| S 3  | 23 13 21 | 16°26'07 | 7♏53  | 0♎38  | 0♏32  | 19°21 | 18° 2 | 11°21  | 4°15 | 5° 3 | 21°11 | 20° 6  | 21°20 | 25°52 | 20°59 |   |
| M 4  | 23 17 18 | 17°24'52 | 22°42 | 2°13  | 1°33  | 19°59 | 18°11 | 11°20  | 4°17 | 5° 2 | 21°12 | 20° 1  | 21°16 | 25°59 | 20°57 |   |
| T 5  | 23 21 15 | 18°23'40 | 7♎27  | 3°52  | 2°34  | 20°37 | 18°21 | 11°20  | 4°18 | 5° 0 | 21°13 | 19°56  | 21°13 | 26° 6 | 20°55 |   |
| W 6  | 23 25 11 | 19°22'30 | 22° 1 | 5°34  | 3°36  | 21°14 | 18°31 | 11°19  | 4°20 | 4°59 | 21°14 | 19°53  | 21°10 | 26°12 | 20°52 |   |
| T 7  | 23 29 8  | 20°21'22 | 6♌17  | 7°17  | 4°38  | 21°52 | 18°40 | 11°19  | 4°21 | 4°57 | 21°15 | 19°51  | 21° 7 | 26°19 | 20°50 |   |
| F 8  | 23 33 4  | 21°20'15 | 20°12 | 9° 2  | 5°40  | 22°30 | 18°49 | 11°19  | 4°23 | 4°55 | 21°16 | 19°D50 | 21° 4 | 26°26 | 20°48 |   |
| S 9  | 23 37 1  | 22°19'11 | 3♎41  | 10°49 | 6°43  | 23° 7 | 18°58 | 11°D19 | 4°24 | 4°54 | 21°17 | 19°50  | 21° 1 | 26°32 | 20°45 |   |
| S 10 | 23 40 57 | 23°18'08 | 16°47 | 12°36 | 7°46  | 23°45 | 19° 7 | 11°19  | 4°25 | 4°52 | 21°18 | 19°52  | 20°57 | 26°39 | 20°43 |   |
| M11  | 23 44 54 | 24°17'08 | 29°30 | 14°24 | 8°50  | 24°23 | 19°16 | 11°19  | 4°27 | 4°51 | 21°19 | 19°54  | 20°54 | 26°46 | 20°40 |   |
| T 12 | 23 48 50 | 25°16'09 | 11♌54 | 16°12 | 9°53  | 25° 0 | 19°25 | 11°19  | 4°28 | 4°49 | 21°20 | 19°55  | 20°51 | 26°53 | 20°38 |   |
| W13  | 23 52 47 | 26°15'12 | 24° 3 | 18° 1 | 10°57 | 25°38 | 19°34 | 11°19  | 4°29 | 4°48 | 21°20 | 19°R56 | 20°48 | 26°59 | 20°35 |   |
| T 14 | 23 56 43 | 27°14'17 | 6♌ 3  | 19°49 | 12° 1 | 26°15 | 19°42 | 11°20  | 4°30 | 4°46 | 21°21 | 19°55  | 20°45 | 27° 6 | 20°33 |   |
| F 15 | 0 0 40   | 28°13'23 | 17°56 | 21°37 | 13° 6 | 26°53 | 19°51 | 11°20  | 4°31 | 4°45 | 21°22 | 19°54  | 20°42 | 27°13 | 20°30 |   |
| S 16 | 0 4 37   | 29°12'32 | 29°49 | 23°25 | 14°11 | 27°31 | 19°59 | 11°21  | 4°32 | 4°43 | 21°23 | 19°52  | 20°38 | 27°20 | 20°28 |   |
| S 17 | 0 8 33   | 0♌11'42  | 11♌45 | 25°13 | 15°16 | 28° 8 | 20° 7 | 11°22  | 4°33 | 4°42 | 21°24 | 19°49  | 20°35 | 27°26 | 20°25 |   |
| M18  | 0 12 30  | 1°10'54  | 23°47 | 27° 0 | 16°21 | 28°46 | 20°15 | 11°23  | 4°34 | 4°40 | 21°24 | 19°46  | 20°32 | 27°33 | 20°22 |   |
| T 19 | 0 16 26  | 2°10'08  | 5♎59  | 28°46 | 17°27 | 29°23 | 20°23 | 11°23  | 4°35 | 4°39 | 21°25 | 19°43  | 20°29 | 27°40 | 20°20 |   |
| W20  | 0 20 23  | 3° 9'24  | 18°22 | 0♌32  | 18°33 | 0♎ 0  | 20°31 | 11°24  | 4°36 | 4°37 | 21°26 | 19°41  | 20°26 | 27°46 | 20°17 |   |
| T 21 | 0 24 19  | 4° 8'42  | 0♎58  | 2°17  | 19°39 | 0°38  | 20°39 | 11°26  | 4°36 | 4°36 | 21°26 | 19°39  | 20°22 | 27°53 | 20°14 |   |
| F 22 | 0 28 16  | 5° 8'02  | 13°47 | 4° 1  | 20°45 | 1°15  | 20°46 | 11°27  | 4°37 | 4°35 | 21°27 | 19°D38 | 20°19 | 28° 0 | 20°12 |   |
| S 23 | 0 32 12  | 6° 7'24  | 26°50 | 5°45  | 21°52 | 1°53  | 20°53 | 11°28  | 4°38 | 4°33 | 21°28 | 19°38  | 20°16 | 28° 7 | 20° 9 |   |
| S 24 | 0 36 9   | 7° 6'49  | 10♌ 5 | 7°28  | 22°59 | 2°30  | 21° 1 | 11°30  | 4°38 | 4°32 | 21°28 | 19°39  | 20°13 | 28°13 | 20° 6 |   |
| M25  | 0 40 6   | 8° 6'15  | 23°34 | 9°10  | 24° 6 | 3° 7  | 21° 8 | 11°31  | 4°39 | 4°31 | 21°29 | 19°40  | 20°10 | 28°20 | 20° 3 |   |
| T 26 | 0 44 2   | 9° 5'44  | 7♎14  | 10°52 | 25°13 | 3°45  | 21°15 | 11°33  | 4°39 | 4°29 | 21°29 | 19°41  | 20° 7 | 28°27 | 20° 0 |   |
| W27  | 0 47 59  | 10° 5'15 | 21° 5 | 12°33 | 26°20 | 4°22  | 21°21 | 11°34  | 4°40 | 4°28 | 21°30 | 19°42  | 20° 3 | 28°33 | 19°58 |   |
| T 28 | 0 51 55  | 11° 4'49 | 5♌ 7  | 14°13 | 27°28 | 4°59  | 21°28 | 11°36  | 4°40 | 4°27 | 21°30 | 19°R42 | 20° 0 | 28°40 | 19°55 |   |
| F 29 | 0 55 52  | 12° 4'25 | 19°17 | 15°53 | 28°36 | 5°37  | 21°35 | 11°38  | 4°40 | 4°26 | 21°31 | 19°42  | 19°57 | 28°47 | 19°52 |   |
| S 30 | 0 59 48  | 13♌ 4'04 | 3♏34  | 17♌32 | 29♏44 | 6♎14  | 21♌41 | 11♎40  | 4♌41 | 4♎24 | 21♌31 | 19♌42  | 19♌54 | 28♌54 | 19♎49 |   |

Delta T = 12m29s Julian Calendar 1 Sept. 1195 == Greg. Calendar 8 Sept. 1195

OCTOBER 1195 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁     | ♂     | ♃      | ♅      | ♁     | ♂     | ♃      | ♅ |
|------|---------|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|--------|---|
| S 1  | 1 3 45  | 14♌ 3'44 | 17♏54 | 19♌10 | 0♎52  | 6♎51  | 21♌47 | 11♎42 | 4♌41  | 4°R23 | 21♌32  | 19°R41 | 19♌51 | 29♌ 0 | 19°R46 |   |
| M 2  | 1 7 41  | 15° 3'27 | 2♎15  | 20°48 | 2° 1  | 7°29  | 21°53 | 11°44 | 4°41  | 4♎22  | 21°32  | 19♌41  | 19°47 | 29° 7 | 19°R44 |   |
| T 3  | 1 11 38 | 16° 3'13 | 16°31 | 22°25 | 3°10  | 8° 6  | 21°59 | 11°47 | 4°41  | 4°21  | 21°33  | 19°40  | 19°44 | 29°14 | 19°41  |   |
| W 4  | 1 15 34 | 17° 3'00 | 0♌40  | 24° 1 | 4°18  | 8°43  | 22° 5 | 11°49 | 4°R41 | 4°20  | 21°33  | 19°40  | 19°41 | 29°20 | 19°38  |   |
| T 5  | 1 19 31 | 18° 2'49 | 14°35 | 25°37 | 5°27  | 9°20  | 22°10 | 11°52 | 4°41  | 4°19  | 21°33  | 19°D40 | 19°38 | 29°27 | 19°35  |   |
| F 6  | 1 23 28 | 19° 2'41 | 28°15 | 27°13 | 6°37  | 9°57  | 22°16 | 11°54 | 4°41  | 4°18  | 21°33  | 19°40  | 19°35 | 29°34 | 19°32  |   |
| S 7  | 1 27 24 | 20° 2'34 | 11♎36 | 28°47 | 7°46  | 10°35 | 22°21 | 11°57 | 4°41  | 4°17  | 21°34  | 19°R40 | 19°32 | 29°41 | 19°29  |   |
| S 8  | 1 31 21 | 21° 2'30 | 24°37 | 0♎22  | 8°55  | 11°12 | 22°26 | 12° 0 | 4°41  | 4°16  | 21°34  | 19°40  | 19°28 | 29°47 | 19°26  |   |
| M 9  | 1 35 17 | 22° 2'27 | 7♎20  | 1°55  | 10° 5 | 11°49 | 22°31 | 12° 2 | 4°40  | 4°15  | 21°34  | 19°39  | 19°25 | 29°54 | 19°23  |   |
| T 10 | 1 39 14 | 23° 2'26 | 19°45 | 3°29  | 11°15 | 12°26 | 22°35 | 12° 5 | 4°40  | 4°14  | 21°34  | 19°39  | 19°22 | 0♌ 1  | 19°21  |   |
| W11  | 1 43 10 | 24° 2'27 | 1♌56  | 5° 1  | 12°25 | 13° 3 | 22°40 | 12° 8 | 4°40  | 4°13  | 21°35  | 19°39  | 19°19 | 0° 8  | 19°18  |   |
| T 12 | 1 47 7  | 25° 2'29 | 13°56 | 6°34  | 13°35 | 13°40 | 22°44 | 12°12 | 4°39  | 4°12  | 21°35  | 19°38  | 19°16 | 0°14  | 19°15  |   |
| F 13 | 1 51 3  | 26° 2'33 | 25°51 | 8° 5  | 14°45 | 14°17 | 22°49 | 12°15 | 4°39  | 4°11  | 21°35  | 19°D38 | 19°13 | 0°21  | 19°12  |   |
| S 14 | 1 55 0  | 27° 2'39 | 7♌43  | 9°37  | 15°56 | 14°54 | 22°53 | 12°18 | 4°38  | 4°10  | 21°35  | 19°38  | 19° 9 | 0°28  | 19° 9  |   |
| S 15 | 1 58 57 | 28° 2'46 | 19°39 | 11° 8 | 17° 6 | 15°31 | 22°56 | 12°21 | 4°38  | 4° 9  | 21°35  | 19°39  | 19° 6 | 0°34  | 19° 6  |   |
| M16  | 2 2 53  | 29° 2'55 | 1♎43  | 12°38 | 18°17 | 16° 8 | 23° 0 | 12°25 | 4°37  | 4° 8  | 21°R35 | 19°40  | 19° 3 | 0°41  | 19° 4  |   |
| T 17 | 2 6 50  | 0♎ 3'05  | 13°58 | 14° 8 | 19°28 | 16°45 | 23° 3 | 12°29 | 4°37  | 4° 8  | 21°35  | 19°41  | 19° 0 | 0°48  | 19° 1  |   |
| W18  | 2 10 46 | 1° 3'17  | 26°28 | 15°37 | 20°39 | 17°22 | 23° 7 | 12°32 | 4°36  | 4° 7  | 21°35  | 19°42  | 18°57 | 0°55  | 18°58  |   |
| T 19 | 2 14 43 | 2° 3'31  | 9♎16  | 17° 7 | 21°50 | 17°59 | 23°10 | 12°36 | 4°35  | 4° 6  | 21°35  | 19°42  | 18°53 | 1° 1  | 18°55  |   |
| F 20 | 2 18 39 | 3° 3'47  | 22°23 | 18°35 | 23° 1 | 18°35 | 23°13 | 12°40 | 4°34  | 4° 6  | 21°35  | 19°R43 | 18°50 | 1° 8  | 18°52  |   |
| S 21 | 2 22 36 | 4° 4'04  | 5♌48  | 20° 3 | 24°12 | 19°12 | 23°16 | 12°44 | 4°33  | 4° 5  | 21°35  | 19°42  | 18°47 | 1°15  | 18°50  |   |
| S 22 | 2 26 32 | 5° 4'23  | 19°31 | 21°31 | 25°23 | 19°49 | 23°18 | 12°48 | 4°33  | 4° 4  | 21°35  | 19°41  | 18°44 | 1°21  | 18°47  |   |
| M23  | 2 30 29 | 6° 4'44  | 3♎28  | 22°58 | 26°35 | 20°26 | 23°20 | 12°52 | 4°32  | 4° 4  | 21°34  | 19°39  | 18°41 | 1°28  | 18°44  |   |
| T 24 | 2 34 26 | 7° 5'06  | 17°35 | 24°24 | 27°47 | 21° 3 | 23°23 | 12°56 | 4°31  | 4° 3  | 21°34  | 19°36  | 18°38 | 1°35  | 18°41  |   |
| W25  | 2 38 22 | 8° 5'31  | 1♌49  | 25°50 | 28°58 | 21°39 | 23°25 | 13° 0 | 4°30  | 4° 3  | 21°34  | 19°34  | 18°34 | 1°42  | 18°39  |   |
| T 26 | 2 42 19 | 9° 5'57  | 16° 5 | 27°15 | 0♌10  | 22°16 | 23°26 | 13° 4 | 4°28  | 4° 2  | 21°34  | 19°32  | 18°31 | 1°48  | 18°36  |   |
| F 27 | 2 46 15 | 10° 6'26 | 0♎21  | 28°39 | 1°22  | 22°53 | 23°28 | 13° 9 | 4°27  | 4° 2  | 21°34  | 19°31  | 18°28 | 1°55  | 18°34  |   |
| S 28 | 2 50 12 | 11° 6'56 | 14°32 | 0♌ 3  | 2°34  | 23°30 | 23°29 | 13°13 | 4°26  | 4° 1  | 21°33  | 19°D31 | 18°25 | 2° 2  | 18°31  |   |
| S 29 | 2 54 8  | 12° 7'29 | 28°38 | 1°26  | 3°46  | 24° 6 | 23°31 | 13°18 | 4°25  | 4° 1  | 21°33  | 19°31  | 18°22 | 2° 9  | 18°28  |   |
| M30  | 2 58 5  | 13° 8'03 | 12♎36 | 2°47  | 4°59  | 24°43 | 23°32 | 13°22 | 4°24  | 4° 1  | 21°33  | 19°33  | 18°18 | 2°15  | 18°26  |   |
| T 31 | 3 2 1   | 14♎ 8'39 | 26♎25 | 4♌ 8  | 6♌11  | 25♎20 | 23♌32 | 13♎27 | 4♌22  | 4♎ 0  | 21♌32  | 19♌34  | 18♌15 | 2♌22  | 18♎23  |   |

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SWISS EPHEMERIS for the year 1195

NOVEMBER 1195 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃      | ♄     | ♅     | ♆     | ♇      | ♈      | ♉     | ♊    | ♋      | ♌ | ♍ |
|------|---------|----------|-------|--------|-------|-------|--------|-------|-------|-------|--------|--------|-------|------|--------|---|---|
| W 1  | 3 5 58  | 15♌ 9'16 | 10♋ 5 | 5♄27   | 7♃24  | 25♎56 | 23♏33  | 13♌32 | 4°R21 | 4°R 0 | 21°R32 | 19♋35  | 18♌12 | 2♉29 | 18°R21 |   |   |
| T 2  | 3 9 55  | 16° 9'56 | 23°33 | 6°45   | 8°36  | 26°33 | 23°33  | 13°36 | 4♌19  | 4♌ 0  | 21♌31  | 19°R36 | 18° 9 | 2°35 | 18°V18 |   |   |
| F 3  | 3 13 51 | 17°10'37 | 6♌50  | 8° 2   | 9°49  | 27° 9 | 23°34  | 13°41 | 4°18  | 4° 0  | 21°31  | 19°35  | 18° 6 | 2°42 | 18°16  |   |   |
| S 4  | 3 17 48 | 18°11'19 | 19°53 | 9°16   | 11° 2 | 27°46 | 23°R34 | 13°46 | 4°16  | 3°59  | 21°31  | 19°32  | 18° 3 | 2°49 | 18°13  |   |   |
| S 5  | 3 21 44 | 19°12'03 | 2♄42  | 10°29  | 12°14 | 28°22 | 23°34  | 13°51 | 4°15  | 3°59  | 21°30  | 19°28  | 17°59 | 2°56 | 18°11  |   |   |
| M 6  | 3 25 41 | 20°12'48 | 15°17 | 11°39  | 13°27 | 28°59 | 23°33  | 13°56 | 4°13  | 3°59  | 21°30  | 19°23  | 17°56 | 3° 2 | 18° 9  |   |   |
| T 7  | 3 29 37 | 21°13'35 | 27°39 | 12°46  | 14°40 | 29°35 | 23°33  | 14° 2 | 4°11  | 3°59  | 21°29  | 19°17  | 17°53 | 3° 9 | 18° 6  |   |   |
| W 8  | 3 33 34 | 22°14'23 | 9♄48  | 13°51  | 15°53 | 0♋11  | 23°32  | 14° 7 | 4°10  | 3°59  | 21°28  | 19°11  | 17°50 | 3°16 | 18° 4  |   |   |
| T 9  | 3 37 30 | 23°15'12 | 21°48 | 14°52  | 17° 6 | 0°48  | 23°31  | 14°12 | 4° 8  | 3°D59 | 21°28  | 19° 6  | 17°47 | 3°22 | 18° 2  |   |   |
| F 10 | 3 41 27 | 24°16'01 | 3♉41  | 15°49  | 18°19 | 1°24  | 23°30  | 14°18 | 4° 6  | 3°59  | 21°27  | 19° 2  | 17°44 | 3°29 | 18° 0  |   |   |
| S 11 | 3 45 24 | 25°16'52 | 15°32 | 16°41  | 19°33 | 2° 0  | 23°28  | 14°23 | 4° 4  | 3°59  | 21°27  | 19° 0  | 17°40 | 3°36 | 17°58  |   |   |
| S 12 | 3 49 20 | 26°17'44 | 27°26 | 17°28  | 20°46 | 2°37  | 23°27  | 14°28 | 4° 3  | 3°59  | 21°26  | 18°D59 | 17°37 | 3°43 | 17°56  |   |   |
| M13  | 3 53 17 | 27°18'37 | 9♄27  | 18°10  | 21°59 | 3°13  | 23°25  | 14°34 | 4° 1  | 3°59  | 21°25  | 19° 0  | 17°34 | 3°49 | 17°53  |   |   |
| T 14 | 3 57 13 | 28°19'30 | 21°40 | 18°45  | 23°13 | 3°49  | 23°23  | 14°40 | 3°59  | 3°59  | 21°25  | 19° 2  | 17°31 | 3°56 | 17°51  |   |   |
| W15  | 4 1 10  | 29°20'25 | 4♄11  | 19°12  | 24°26 | 4°25  | 23°21  | 14°45 | 3°57  | 4° 0  | 21°24  | 19° 3  | 17°28 | 4° 3 | 17°49  |   |   |
| T 16 | 4 5 6   | 0♄21'20  | 17° 3 | 19°32  | 25°40 | 5° 1  | 23°18  | 14°51 | 3°55  | 4° 0  | 21°23  | 19°R 4 | 17°24 | 4° 9 | 17°48  |   |   |
| F 17 | 4 9 3   | 1°22'16  | 0♄19  | 19°42  | 26°53 | 5°37  | 23°16  | 14°57 | 3°53  | 4° 0  | 21°22  | 19° 4  | 17°21 | 4°16 | 17°46  |   |   |
| S 18 | 4 12 59 | 2°23'13  | 13°59 | 19°R42 | 28° 7 | 6°13  | 23°13  | 15° 3 | 3°51  | 4° 0  | 21°22  | 19° 1  | 17°18 | 4°23 | 17°44  |   |   |
| S 19 | 4 16 56 | 3°24'11  | 28° 4 | 19°32  | 29°21 | 6°49  | 23°10  | 15° 8 | 3°49  | 4° 1  | 21°21  | 18°56  | 17°15 | 4°30 | 17°42  |   |   |
| M20  | 4 20 53 | 4°25'10  | 12♌28 | 19°11  | 0♌34  | 7°25  | 23° 7  | 15°14 | 3°46  | 4° 1  | 21°20  | 18°50  | 17°12 | 4°36 | 17°40  |   |   |
| T 21 | 4 24 49 | 5°26'09  | 27° 5 | 18°38  | 1°48  | 8° 1  | 23° 4  | 15°20 | 3°44  | 4° 1  | 21°19  | 18°42  | 17° 9 | 4°43 | 17°38  |   |   |
| W22  | 4 28 46 | 6°27'10  | 11♌49 | 17°54  | 3° 2  | 8°37  | 23° 0  | 15°26 | 3°42  | 4° 2  | 21°18  | 18°35  | 17° 5 | 4°50 | 17°37  |   |   |
| T 23 | 4 32 42 | 7°28'12  | 26°31 | 16°59  | 4°16  | 9°13  | 22°56  | 15°33 | 3°40  | 4° 2  | 21°17  | 18°28  | 17° 2 | 4°56 | 17°35  |   |   |
| F 24 | 4 36 39 | 8°29'15  | 11♌ 5 | 15°54  | 5°30  | 9°49  | 22°53  | 15°39 | 3°38  | 4° 3  | 21°16  | 18°23  | 16°59 | 5° 3 | 17°34  |   |   |
| S 25 | 4 40 35 | 9°30'19  | 25°25 | 14°41  | 6°44  | 10°25 | 22°49  | 15°45 | 3°35  | 4° 3  | 21°15  | 18°20  | 16°56 | 5°10 | 17°32  |   |   |
| S 26 | 4 44 32 | 10°31'24 | 9♎30  | 13°23  | 7°58  | 11° 1 | 22°44  | 15°51 | 3°33  | 4° 4  | 21°15  | 18°D19 | 16°53 | 5°17 | 17°31  |   |   |
| M27  | 4 48 28 | 11°32'30 | 23°18 | 12° 0  | 9°12  | 11°36 | 22°40  | 15°57 | 3°31  | 4° 5  | 21°14  | 18°19  | 16°50 | 5°23 | 17°29  |   |   |
| T 28 | 4 52 25 | 12°33'36 | 6♋50  | 10°38  | 10°26 | 12°12 | 22°35  | 16° 4 | 3°28  | 4° 5  | 21°13  | 18°20  | 16°46 | 5°30 | 17°28  |   |   |
| W29  | 4 56 22 | 13°34'44 | 20° 8 | 9°17   | 11°40 | 12°48 | 22°31  | 16°10 | 3°26  | 4° 6  | 21°12  | 18°R21 | 16°43 | 5°37 | 17°27  |   |   |
| T 30 | 5 0 18  | 14°35'53 | 3♌12  | 8♄ 1   | 12♌54 | 13♋23 | 22♌26  | 16♌17 | 3♌23  | 4♌ 7  | 21♌11  | 18♋19  | 16♋40 | 5♋43 | 17°V25 |   |   |

Delta T = 12m28s Julian Calendar 1 Nov. 1195 == Greg. Calendar 8 Nov. 1195

DECEMBER 1195 JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃      | ♄     | ♅     | ♆    | ♇      | ♈      | ♉     | ♊    | ♋      | ♌ |
|------|---------|----------|-------|-------|-------|-------|--------|-------|-------|------|--------|--------|-------|------|--------|---|
| F 1  | 5 4 15  | 15♄37'02 | 16♌ 6 | 6°R52 | 14♌ 9 | 13♋59 | 22°R21 | 16♌23 | 3°R21 | 4♌ 7 | 21°R 9 | 18°R16 | 16♌37 | 5♋50 | 17°R24 |   |
| S 2  | 5 8 11  | 16°38'12 | 28°48 | 5♄52  | 15°23 | 14°34 | 22♌15  | 16°29 | 3♌19  | 4° 8 | 21♌ 8  | 18♋ 9  | 16°34 | 5°57 | 17°V23 |   |
| S 3  | 5 12 8  | 17°39'23 | 11♄20 | 5° 1  | 16°37 | 15°10 | 22°10  | 16°36 | 3°16  | 4° 9 | 21° 7  | 18° 0  | 16°30 | 6° 4 | 17°22  |   |
| M 4  | 5 16 4  | 18°40'34 | 23°43 | 4°21  | 17°52 | 15°45 | 22° 4  | 16°43 | 3°14  | 4°10 | 21° 6  | 17°49  | 16°27 | 6°10 | 17°21  |   |
| T 5  | 5 20 1  | 19°41'46 | 5♄55  | 3°52  | 19° 6 | 16°21 | 21°59  | 16°49 | 3°11  | 4°11 | 21° 5  | 17°37  | 16°24 | 6°17 | 17°20  |   |
| W 6  | 5 23 57 | 20°42'57 | 18° 0 | 3°34  | 20°20 | 16°56 | 21°53  | 16°56 | 3° 9  | 4°12 | 21° 4  | 17°24  | 16°21 | 6°24 | 17°19  |   |
| T 7  | 5 27 54 | 21°44'09 | 29°56 | 3°D26 | 21°35 | 17°31 | 21°47  | 17° 2 | 3° 6  | 4°13 | 21° 3  | 17°13  | 16°18 | 6°30 | 17°18  |   |
| F 8  | 5 31 51 | 22°45'21 | 11♋48 | 3°28  | 22°49 | 18° 7 | 21°40  | 17° 9 | 3° 4  | 4°14 | 21° 2  | 17° 3  | 16°15 | 6°37 | 17°17  |   |
| S 9  | 5 35 47 | 23°46'33 | 23°37 | 3°39  | 24° 4 | 18°42 | 21°34  | 17°16 | 3° 1  | 4°15 | 21° 1  | 16°56  | 16°11 | 6°44 | 17°16  |   |
| S 10 | 5 39 44 | 24°47'45 | 5♄28  | 3°58  | 25°18 | 19°17 | 21°28  | 17°23 | 2°59  | 4°16 | 20°59  | 16°52  | 16° 8 | 6°51 | 17°16  |   |
| M11  | 5 43 40 | 25°48'57 | 17°26 | 4°25  | 26°33 | 19°52 | 21°21  | 17°30 | 2°56  | 4°17 | 20°58  | 16°50  | 16° 5 | 6°57 | 17°15  |   |
| T 12 | 5 47 37 | 26°50'09 | 29°35 | 4°58  | 27°47 | 20°27 | 21°14  | 17°36 | 2°53  | 4°18 | 20°57  | 16°D49 | 16° 2 | 7° 4 | 17°14  |   |
| W13  | 5 51 33 | 27°51'21 | 12♄ 0 | 5°37  | 29° 2 | 21° 2 | 21° 8  | 17°43 | 2°51  | 4°19 | 20°56  | 16°R50 | 15°59 | 7°11 | 17°14  |   |
| T 14 | 5 55 30 | 28°52'32 | 24°48 | 6°22  | 0♄16  | 21°37 | 21° 1  | 17°50 | 2°48  | 4°20 | 20°55  | 16°49  | 15°56 | 7°17 | 17°13  |   |
| F 15 | 5 59 26 | 29°53'43 | 8♄ 2  | 7°12  | 1°31  | 22°12 | 20°54  | 17°57 | 2°46  | 4°21 | 20°53  | 16°48  | 15°52 | 7°24 | 17°13  |   |
| S 16 | 6 3 23  | 0♄54'54  | 21°45 | 8° 5  | 2°45  | 22°46 | 20°47  | 18° 4 | 2°43  | 4°22 | 20°52  | 16°43  | 15°49 | 7°31 | 17°13  |   |
| S 17 | 6 7 20  | 1°56'05  | 5♌57  | 9° 3  | 4° 0  | 23°21 | 20°39  | 18°11 | 2°40  | 4°24 | 20°51  | 16°36  | 15°46 | 7°38 | 17°12  |   |
| M18  | 6 11 16 | 2°57'15  | 20°35 | 10° 4 | 5°15  | 23°56 | 20°32  | 18°18 | 2°38  | 4°25 | 20°50  | 16°27  | 15°43 | 7°44 | 17°12  |   |
| T 19 | 6 15 13 | 3°58'26  | 5♄33  | 11° 8 | 6°29  | 24°30 | 20°25  | 18°25 | 2°35  | 4°26 | 20°48  | 16°16  | 15°40 | 7°51 | 17°12  |   |
| W20  | 6 19 9  | 4°59'36  | 20°42 | 12°15 | 7°44  | 25° 5 | 20°17  | 18°32 | 2°33  | 4°28 | 20°47  | 16° 4  | 15°36 | 7°58 | 17°12  |   |
| T 21 | 6 23 6  | 6° 0'45  | 5♌50  | 13°24 | 8°59  | 25°40 | 20°10  | 18°39 | 2°30  | 4°29 | 20°46  | 15°53  | 15°33 | 8° 4 | 17°12  |   |
| F 22 | 6 27 2  | 7° 1'55  | 20°48 | 14°36 | 10°13 | 26°14 | 20° 2  | 18°46 | 2°27  | 4°30 | 20°45  | 15°45  | 15°30 | 8°11 | 17°D12 |   |
| S 23 | 6 30 59 | 8° 3'05  | 5♎28  | 15°49 | 11°28 | 26°48 | 19°54  | 18°53 | 2°25  | 4°32 | 20°43  | 15°39  | 15°27 | 8°18 | 17°12  |   |
| S 24 | 6 34 55 | 9° 4'14  | 19°45 | 17° 4 | 12°43 | 27°23 | 19°46  | 19° 0 | 2°22  | 4°33 | 20°42  | 15°36  | 15°24 | 8°25 | 17°12  |   |
| M25  | 6 38 52 | 10° 5'24 | 3♋38  | 18°21 | 13°58 | 27°57 | 19°39  | 19° 7 | 2°20  | 4°35 | 20°41  | 15°35  | 15°21 | 8°31 | 17°12  |   |
| T 26 | 6 42 49 | 11° 6'33 | 17° 8 | 19°39 | 15°12 | 28°31 | 19°31  | 19°14 | 2°17  | 4°36 | 20°39  | 15°35  | 15°17 | 8°38 | 17°12  |   |
| W27  | 6 46 45 | 12° 7'42 | 0♌17  | 20°58 | 16°27 | 29° 5 | 19°23  | 19°21 | 2°15  | 4°38 | 20°38  | 15°34  | 15°14 | 8°45 | 17°13  |   |
| T 28 | 6 50 42 | 13° 8'51 | 13° 8 | 22°19 | 17°42 | 29°39 | 19°15  | 19°28 | 2°12  | 4°39 | 20°37  | 15°32  | 15°11 | 8°51 | 17°13  |   |
| F 29 | 6 54 38 | 14°10'00 | 25°45 | 23°40 | 18°57 | 0♌13  | 19° 7  | 19°36 | 2°10  | 4°41 | 20°35  | 15°27  | 15° 8 | 8°58 | 17°13  |   |
| S 30 | 6 58 35 | 15°11'09 | 8♄11  | 25° 3 | 20°11 | 0°47  | 18°59  | 19°43 | 2° 7  | 4°43 | 20°34  | 15°20  | 15° 5 | 9° 5 | 17°14  |   |
| S 31 | 7 2 31  | 16♌12'17 | 20♄28 | 26♄27 | 21♄26 | 1♌21  | 18♌51  | 19♌50 | 2♌ 5  | 4♌44 | 20♌33  | 15♋ 9  | 15♋ 2 | 9♋12 | 17°V14 |   |

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