

SWISS EPHEMERIS for the year 998

JANUARY 998 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽        | ♀        | ♁        | ♂       | ♃      | ♅      | ♁        | ♁        | ♁     | ♁      | ♁      | ♁      | ♁      |
|------|---------|----------|----------|----------|----------|---------|--------|--------|----------|----------|-------|--------|--------|--------|--------|
| S 1  | 7 2 22  | 16°17'26 | 10°33'33 | 22°27'25 | 13°35'50 | 8°R44   | 8°M46  | 19°Y31 | 25°33'34 | 21°27'37 | 0°M52 | 6°R10  | 4°II36 | 22°M20 | 17°Y14 |
| S 2  | 7 6 19  | 17°18'32 | 24°46    | 23°35    | 15° 6    | 8°II38  | 8°55   | 19°33  | 25°37    | 21°39    | 0°53  | 6°II 5 | 4°33   | 22°26  | 17°15  |
| M 3  | 7 10 16 | 18°19'37 | 9°M14    | 24°46    | 16°21    | 8°32    | 9° 3   | 19°35  | 25°40    | 21°41    | 0°54  | 5°58   | 4°30   | 22°33  | 17°15  |
| T 4  | 7 14 12 | 19°20'40 | 23°49    | 25°59    | 17°37    | 8°28    | 9°11   | 19°37  | 25°43    | 21°43    | 0°54  | 5°51   | 4°27   | 22°40  | 17°16  |
| W 5  | 7 18 9  | 20°21'43 | 8°X26    | 27°14    | 18°52    | 8°24    | 9°19   | 19°39  | 25°46    | 21°45    | 0°55  | 5°44   | 4°23   | 22°47  | 17°17  |
| T 6  | 7 22 5  | 21°22'44 | 22°58    | 28°31    | 20° 7    | 8°21    | 9°27   | 19°41  | 25°49    | 21°47    | 0°56  | 5°39   | 4°20   | 22°53  | 17°18  |
| F 7  | 7 26 2  | 22°23'44 | 7°Y19    | 29°48    | 21°23    | 8°18    | 9°35   | 19°43  | 25°52    | 21°49    | 0°57  | 5°36   | 4°17   | 23° 0  | 17°18  |
| S 8  | 7 29 58 | 23°24'43 | 21°27    | 1°Z 7    | 22°38    | 8°17    | 9°42   | 19°46  | 25°55    | 21°51    | 0°58  | 5°D35  | 4°14   | 23° 7  | 17°19  |
| S 9  | 7 33 55 | 24°25'40 | 5°B21    | 2°28     | 23°53    | 8°D16   | 9°50   | 19°48  | 25°58    | 21°53    | 0°58  | 5°36   | 4°11   | 23°13  | 17°20  |
| M10  | 7 37 51 | 25°26'37 | 19° 0    | 3°49     | 25° 9    | 8°16    | 9°57   | 19°51  | 26° 1    | 21°55    | 0°59  | 5°37   | 4° 8   | 23°20  | 17°21  |
| T 11 | 7 41 48 | 26°27'31 | 2°II26   | 5°12     | 26°24    | 8°17    | 10° 4  | 19°54  | 26° 4    | 21°57    | 1° 0  | 5°R38  | 4° 4   | 23°27  | 17°22  |
| W12  | 7 45 45 | 27°28'25 | 15°40    | 6°36     | 27°39    | 8°19    | 10°11  | 19°57  | 26° 7    | 21°59    | 1° 0  | 5°37   | 4° 1   | 23°34  | 17°24  |
| T 13 | 7 49 41 | 28°29'17 | 28°41    | 8° 0     | 28°54    | 8°21    | 10°18  | 20° 0  | 26°10    | 22° 1    | 1° 1  | 5°35   | 3°58   | 23°40  | 17°25  |
| F 14 | 7 53 38 | 29°30'08 | 11°E32   | 9°26     | 0°M10    | 8°24    | 10°25  | 20° 3  | 26°14    | 22° 3    | 1° 1  | 5°29   | 3°55   | 23°47  | 17°26  |
| S 15 | 7 57 34 | 0°M30'58 | 24°13    | 10°53    | 1°25     | 8°28    | 10°31  | 20° 6  | 26°17    | 22° 5    | 1° 2  | 5°22   | 3°52   | 23°54  | 17°27  |
| S 16 | 8 1 31  | 1°31'46  | 6°L42    | 12°20    | 2°40     | 8°32    | 10°38  | 20° 9  | 26°20    | 22° 7    | 1° 2  | 5°12   | 3°49   | 24° 0  | 17°29  |
| M17  | 8 5 27  | 2°32'33  | 19° 1    | 13°48    | 3°55     | 8°37    | 10°44  | 20°13  | 26°23    | 22° 9    | 1° 3  | 5° 1   | 3°45   | 24° 7  | 17°30  |
| T 18 | 8 9 24  | 3°33'18  | 1°M11    | 15°18    | 5°11     | 8°43    | 10°50  | 20°16  | 26°26    | 22°11    | 1° 3  | 4°49   | 3°42   | 24°14  | 17°32  |
| W19  | 8 13 20 | 4°34'03  | 13°11    | 16°48    | 6°26     | 8°49    | 10°56  | 20°20  | 26°30    | 22°12    | 1° 3  | 4°38   | 3°39   | 24°21  | 17°33  |
| T 20 | 8 17 17 | 5°34'46  | 25° 6    | 18°19    | 7°41     | 8°56    | 11° 2  | 20°23  | 26°33    | 22°14    | 1° 4  | 4°29   | 3°36   | 24°27  | 17°35  |
| F 21 | 8 21 14 | 6°35'28  | 6°E56    | 19°51    | 8°56     | 9° 4    | 11° 8  | 20°27  | 26°36    | 22°16    | 1° 4  | 4°22   | 3°33   | 24°34  | 17°36  |
| S 22 | 8 25 10 | 7°36'09  | 18°47    | 21°23    | 10°11    | 9°12    | 11°13  | 20°31  | 26°40    | 22°18    | 1° 4  | 4°18   | 3°29   | 24°41  | 17°38  |
| S 23 | 8 29 7  | 8°36'48  | 0°M43    | 22°57    | 11°26    | 9°21    | 11°18  | 20°35  | 26°43    | 22°19    | 1° 4  | 4°16   | 3°26   | 24°47  | 17°40  |
| M24  | 8 33 3  | 9°37'27  | 12°48    | 24°31    | 12°42    | 9°31    | 11°24  | 20°39  | 26°46    | 22°21    | 1° 5  | 4°D15  | 3°23   | 24°54  | 17°41  |
| T 25 | 8 37 0  | 10°38'04 | 25° 9    | 26° 7    | 13°57    | 9°41    | 11°29  | 20°43  | 26°49    | 22°23    | 1° 5  | 4°16   | 3°20   | 25° 1  | 17°43  |
| W26  | 8 40 56 | 11°38'40 | 7°X50    | 27°43    | 15°12    | 9°52    | 11°33  | 20°47  | 26°53    | 22°24    | 1° 5  | 4°R16  | 3°17   | 25° 8  | 17°45  |
| T 27 | 8 44 53 | 12°39'15 | 20°55    | 29°20    | 16°27    | 10° 3   | 11°38  | 20°52  | 26°56    | 22°26    | 1° 5  | 4°15   | 3°14   | 25°14  | 17°47  |
| F 28 | 8 48 49 | 13°39'48 | 4°Z29    | 0°M58    | 17°42    | 10°15   | 11°43  | 20°56  | 27° 0    | 22°28    | 1°R 5 | 4°11   | 3°10   | 25°21  | 17°49  |
| S 29 | 8 52 46 | 14°40'21 | 18°30    | 2°36     | 18°57    | 10°27   | 11°47  | 21° 1  | 27° 3    | 22°29    | 1° 5  | 4° 5   | 3° 7   | 25°28  | 17°51  |
| S 30 | 8 56 43 | 15°40'51 | 2°M59    | 4°16     | 20°12    | 10°40   | 11°51  | 21° 5  | 27° 6    | 22°31    | 1° 5  | 3°56   | 3° 4   | 25°34  | 17°53  |
| M31  | 9 0 39  | 16°41'20 | 17°M47   | 5°M57    | 21°M27   | 10°II54 | 11°M55 | 21°Y10 | 27°M10   | 22°X32   | 1°M 5 | 3°II46 | 3°II 1 | 25°M41 | 17°Y55 |

Delta T = 26m29s Julian Calendar 1 Jan. 998 == Greg. Calendar 6 Jan. 998

FEBRUARY 998 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽       | ♀      | ♁      | ♂       | ♃      | ♅      | ♁      | ♁      | ♁     | ♁      | ♁      | ♁      | ♁      |
|------|----------|----------|---------|--------|--------|---------|--------|--------|--------|--------|-------|--------|--------|--------|--------|
| T 1  | 9 4 36   | 17°41'47 | 2°X49   | 7°M38  | 22°M42 | 11°II 7 | 11°M59 | 21°Y15 | 27°M13 | 22°X34 | 1°R 5 | 3°R35  | 2°II58 | 25°M48 | 17°Y57 |
| W 2  | 9 8 32   | 18°42'13 | 17°52   | 9°21   | 23°57  | 11°22   | 12° 3  | 21°19  | 27°17  | 22°35  | 1°M 4 | 3°II24 | 2°55   | 25°55  | 18° 0  |
| T 3  | 9 12 29  | 19°42'36 | 2°Y48   | 11° 4  | 25°12  | 11°37   | 12° 6  | 21°24  | 27°20  | 22°37  | 1° 4  | 3°15   | 2°51   | 26° 1  | 18° 2  |
| F 4  | 9 16 25  | 20°42'58 | 17°29   | 12°49  | 26°27  | 11°52   | 12° 9  | 21°29  | 27°23  | 22°38  | 1° 4  | 3° 9   | 2°48   | 26° 8  | 18° 4  |
| S 5  | 9 20 22  | 21°43'17 | 1°B50   | 14°34  | 27°42  | 12° 8   | 12°13  | 21°34  | 27°27  | 22°40  | 1° 4  | 3° 6   | 2°45   | 26°15  | 18° 6  |
| S 6  | 9 24 18  | 22°43'34 | 15°49   | 16°20  | 28°57  | 12°24   | 12°16  | 21°40  | 27°30  | 22°41  | 1° 3  | 3° 4   | 2°42   | 26°21  | 18° 9  |
| M 7  | 9 28 15  | 23°43'50 | 29°25   | 18° 8  | 0°X12  | 12°41   | 12°18  | 21°45  | 27°34  | 22°42  | 1° 3  | 3° 4   | 2°39   | 26°28  | 18°11  |
| T 8  | 9 32 12  | 24°44'03 | 12°II41 | 19°56  | 1°27   | 12°58   | 12°21  | 21°50  | 27°37  | 22°44  | 1° 3  | 3° 4   | 2°35   | 26°35  | 18°14  |
| W 9  | 9 36 8   | 25°44'14 | 25°41   | 21°46  | 2°42   | 13°16   | 12°23  | 21°55  | 27°41  | 22°45  | 1° 2  | 3° 3   | 2°32   | 26°42  | 18°16  |
| T 10 | 9 40 5   | 26°44'23 | 8°E25   | 23°36  | 3°57   | 13°34   | 12°26  | 22° 1  | 27°44  | 22°46  | 1° 2  | 2°59   | 2°29   | 26°48  | 18°19  |
| F 11 | 9 44 1   | 27°44'30 | 20°58   | 25°28  | 5°12   | 13°53   | 12°28  | 22° 6  | 27°48  | 22°47  | 1° 1  | 2°52   | 2°26   | 26°55  | 18°21  |
| S 12 | 9 47 58  | 28°44'35 | 3°L22   | 27°20  | 6°27   | 14°11   | 12°29  | 22°12  | 27°51  | 22°49  | 1° 1  | 2°42   | 2°23   | 27° 2  | 18°24  |
| S 13 | 9 51 54  | 29°44'38 | 15°37   | 29°14  | 7°41   | 14°31   | 12°31  | 22°18  | 27°54  | 22°50  | 1° 0  | 2°29   | 2°20   | 27° 8  | 18°27  |
| M14  | 9 55 51  | 0°X44'39 | 27°44   | 1°X 8  | 8°56   | 14°50   | 12°33  | 22°23  | 27°58  | 22°51  | 1° 0  | 2°15   | 2°16   | 27°15  | 18°29  |
| T 15 | 9 59 47  | 1°44'38  | 9°M45   | 3° 3   | 10°11  | 15°10   | 12°34  | 22°29  | 28° 1  | 22°52  | 0°59  | 2° 0   | 2°13   | 27°22  | 18°32  |
| W16  | 10 3 44  | 2°44'34  | 21°41   | 4°59   | 11°26  | 15°30   | 12°35  | 22°35  | 28° 5  | 22°53  | 0°59  | 1°46   | 2°10   | 27°28  | 18°35  |
| T 17 | 10 7 41  | 3°44'29  | 3°E33   | 6°56   | 12°40  | 15°51   | 12°36  | 22°41  | 28° 8  | 22°54  | 0°58  | 1°34   | 2° 7   | 27°35  | 18°38  |
| F 18 | 10 11 37 | 4°44'23  | 15°24   | 8°53   | 13°55  | 16°12   | 12°37  | 22°47  | 28°12  | 22°55  | 0°57  | 1°24   | 2° 4   | 27°42  | 18°40  |
| S 19 | 10 15 34 | 5°44'14  | 27°14   | 10°51  | 15°10  | 16°33   | 12°37  | 22°53  | 28°15  | 22°56  | 0°56  | 1°18   | 2° 0   | 27°49  | 18°43  |
| S 20 | 10 19 30 | 6°44'03  | 9°M10   | 12°49  | 16°24  | 16°55   | 12°38  | 22°59  | 28°19  | 22°57  | 0°56  | 1°14   | 1°57   | 27°55  | 18°46  |
| M21  | 10 23 27 | 7°43'51  | 21°14   | 14°48  | 17°39  | 17°17   | 12°R38 | 23° 5  | 28°22  | 22°58  | 0°55  | 1°12   | 1°54   | 28° 2  | 18°49  |
| T 22 | 10 27 23 | 8°43'37  | 3°X31   | 16°46  | 18°54  | 17°39   | 12°38  | 23°12  | 28°25  | 22°59  | 0°54  | 1°12   | 1°51   | 28° 9  | 18°52  |
| W23  | 10 31 20 | 9°43'22  | 16° 8   | 18°44  | 20° 8  | 18° 2   | 12°38  | 23°18  | 28°29  | 23° 0  | 0°53  | 1°12   | 1°48   | 28°15  | 18°55  |
| T 24 | 10 35 16 | 10°43'05 | 29° 8   | 20°41  | 21°23  | 18°24   | 12°37  | 23°24  | 28°32  | 23° 1  | 0°52  | 1°11   | 1°45   | 28°22  | 18°58  |
| F 25 | 10 39 13 | 11°42'46 | 12°E35  | 22°38  | 22°37  | 18°48   | 12°37  | 23°31  | 28°36  | 23° 1  | 0°51  | 1° 8   | 1°41   | 28°29  | 19° 1  |
| S 26 | 10 43 10 | 12°42'25 | 26°33   | 24°33  | 23°52  | 19°11   | 12°36  | 23°37  | 28°39  | 23° 2  | 0°50  | 1° 2   | 1°38   | 28°36  | 19° 4  |
| S 27 | 10 47 6  | 13°42'02 | 11°M 1  | 26°26  | 25° 6  | 19°35   | 12°35  | 23°44  | 28°42  | 23° 3  | 0°49  | 0°54   | 1°35   | 28°42  | 19° 8  |
| M28  | 10 51 3  | 14°41'38 | 25°M54  | 28°X18 | 26°X21 | 19°II59 | 12°M34 | 23°Y50 | 28°M46 | 23°X 3 | 0°M48 | 0°II44 | 1°II32 | 28°M49 | 19°Y11 |

Delta T = 26m29s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 998

MARCH 998 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽       | ♀      | ♁      | ♂       | ♃      | ♅      | ♁      | ♁      | ♁     | ♁      | ♁      | ♁      | ♁      | ♁ |
|------|----------|-----------|---------|--------|--------|---------|--------|--------|--------|--------|-------|--------|--------|--------|--------|---|
| T 1  | 10 54 59 | 15°41'11  | 11°4' 4 | 0°Y 6  | 27°K35 | 20°II23 | 12°R32 | 23°Y57 | 28°~49 | 23°♁ 4 | 0°R47 | 0°R33  | 1°II29 | 28°M56 | 19°Y14 |   |
| W 2  | 10 58 56 | 16°40'42  | 26°22   | 1°52   | 28°50  | 20°47   | 12°M31 | 24° 4  | 28°52  | 23° 5  | 0°M46 | 0°II22 | 1°26   | 29° 2  | 19°17  |   |
| T 3  | 11 2 52  | 17°40'11  | 11°Y36  | 3°35   | 0°Y 4  | 21°12   | 12°29  | 24°10  | 28°56  | 23° 5  | 0°45  | 0°13   | 1°22   | 29° 9  | 19°20  |   |
| F 4  | 11 6 49  | 18°39'38  | 26°36   | 5°13   | 1°19   | 21°37   | 12°27  | 24°17  | 28°59  | 23° 6  | 0°44  | 0° 7   | 1°19   | 29°16  | 19°24  |   |
| S 5  | 11 10 45 | 19°39'03  | 11°813  | 6°48   | 2°33   | 22° 2   | 12°25  | 24°24  | 29° 2  | 23° 6  | 0°43  | 0° 3   | 1°16   | 29°23  | 19°27  |   |
| S 6  | 11 14 42 | 20°38'25  | 25°24   | 8°17   | 3°47   | 22°28   | 12°23  | 24°31  | 29° 6  | 23° 7  | 0°42  | 0°D 2  | 1°13   | 29°29  | 19°30  |   |
| M 7  | 11 18 39 | 21°37'45  | 9°II 9  | 9°42   | 5° 2   | 22°53   | 12°21  | 24°38  | 29° 9  | 23° 7  | 0°41  | 0° 2   | 1°10   | 29°36  | 19°34  |   |
| T 8  | 11 22 35 | 22°37'03  | 22°28   | 11° 1  | 6°16   | 23°19   | 12°18  | 24°45  | 29°12  | 23° 8  | 0°40  | 0°R 3  | 1° 6   | 29°43  | 19°37  |   |
| W 9  | 11 26 32 | 23°36'18  | 5°825   | 12°15  | 7°30   | 23°45   | 12°15  | 24°52  | 29°15  | 23° 8  | 0°38  | 0° 2   | 1° 3   | 29°49  | 19°40  |   |
| T 10 | 11 30 28 | 24°35'31  | 18° 4   | 13°22  | 8°44   | 24°12   | 12°12  | 24°59  | 29°18  | 23° 9  | 0°37  | 29°859 | 1° 0   | 29°56  | 19°44  |   |
| F 11 | 11 34 25 | 25°34'42  | 0°II28  | 14°23  | 9°58   | 24°38   | 12° 9  | 25° 6  | 29°22  | 23° 9  | 0°36  | 29°54  | 0°57   | 0°56   | 19°47  |   |
| S 12 | 11 38 21 | 26°33'50  | 12°40   | 15°18  | 11°13  | 25° 5   | 12° 6  | 25°13  | 29°25  | 23° 9  | 0°34  | 29°47  | 0°54   | 0° 9   | 19°51  |   |
| S 13 | 11 42 18 | 27°32'56  | 24°45   | 16° 5  | 12°27  | 25°32   | 12° 2  | 25°20  | 29°28  | 23°10  | 0°33  | 29°37  | 0°51   | 0°16   | 19°54  |   |
| M14  | 11 46 14 | 28°32'00  | 6°M44   | 16°47  | 13°41  | 25°59   | 11°59  | 25°27  | 29°31  | 23°10  | 0°32  | 29°26  | 0°47   | 0°23   | 19°58  |   |
| T 15 | 11 50 11 | 29°31'01  | 18°38   | 17°21  | 14°55  | 26°27   | 11°55  | 25°34  | 29°34  | 23°10  | 0°30  | 29°14  | 0°44   | 0°30   | 20° 1  |   |
| W16  | 11 54 8  | 0°Y30'00  | 0°830   | 17°48  | 16° 9  | 26°54   | 11°51  | 25°42  | 29°37  | 23°10  | 0°29  | 29° 2  | 0°41   | 0°36   | 20° 5  |   |
| T 17 | 11 58 4  | 1°28'58   | 12°21   | 18° 8  | 17°23  | 27°22   | 11°47  | 25°49  | 29°40  | 23°10  | 0°28  | 28°53  | 0°38   | 0°43   | 20° 8  |   |
| F 18 | 12 2 1   | 2°27'53   | 24°13   | 18°21  | 18°37  | 27°50   | 11°42  | 25°56  | 29°43  | 23°10  | 0°26  | 28°45  | 0°35   | 0°50   | 20°12  |   |
| S 19 | 12 5 57  | 3°26'46   | 6°M 8   | 18°R28 | 19°51  | 28°18   | 11°38  | 26° 4  | 29°46  | 23°10  | 0°25  | 28°40  | 0°32   | 0°56   | 20°15  |   |
| S 20 | 12 9 54  | 4°25'38   | 18° 7   | 18°28  | 21° 5  | 28°46   | 11°33  | 26°11  | 29°49  | 23°R10 | 0°23  | 28°37  | 0°28   | 1° 3   | 20°19  |   |
| M21  | 12 13 50 | 5°24'27   | 0°X15   | 18°21  | 22°19  | 29°14   | 11°28  | 26°18  | 29°52  | 23°10  | 0°22  | 28°D37 | 0°25   | 1°10   | 20°23  |   |
| T 22 | 12 17 47 | 6°23'15   | 12°36   | 18° 8  | 23°33  | 29°43   | 11°23  | 26°26  | 29°55  | 23°10  | 0°20  | 28°37  | 0°22   | 1°16   | 20°26  |   |
| W23  | 12 21 43 | 7°22'01   | 25°12   | 17°50  | 24°46  | 0°811   | 11°18  | 26°33  | 29°58  | 23°10  | 0°19  | 28°39  | 0°19   | 1°23   | 20°30  |   |
| T 24 | 12 25 40 | 8°20'45   | 8°8 9   | 17°26  | 26° 0  | 0°40    | 11°13  | 26°41  | 0°K 1  | 23°10  | 0°17  | 28°R39 | 0°16   | 1°30   | 20°33  |   |
| F 25 | 12 29 36 | 9°19'28   | 21°31   | 16°57  | 27°14  | 1° 9    | 11° 8  | 26°48  | 0° 4   | 23°10  | 0°16  | 28°38  | 0°12   | 1°37   | 20°37  |   |
| S 26 | 12 33 33 | 10°18'09  | 5°820   | 16°24  | 28°28  | 1°38    | 11° 2  | 26°56  | 0° 7   | 23°10  | 0°14  | 28°36  | 0° 9   | 1°43   | 20°41  |   |
| S 27 | 12 37 30 | 11°16'48  | 19°37   | 15°48  | 29°41  | 2° 8    | 10°57  | 27° 3  | 0°10   | 23°10  | 0°13  | 28°31  | 0° 6   | 1°50   | 20°44  |   |
| M28  | 12 41 26 | 12°15'25  | 4°X19   | 15° 9  | 0°855  | 2°37    | 10°51  | 27°11  | 0°12   | 23° 9  | 0°11  | 28°25  | 0° 3   | 1°57   | 20°48  |   |
| T 29 | 12 45 23 | 13°14'01  | 19°21   | 14°28  | 2° 9   | 3° 7    | 10°45  | 27°19  | 0°15   | 23° 9  | 0°10  | 28°18  | 0° 0   | 2° 3   | 20°52  |   |
| W30  | 12 49 19 | 14°12'35  | 4°Y35   | 13°46  | 3°22   | 3°37    | 10°39  | 27°26  | 0°18   | 23° 9  | 0° 8  | 28°12  | 29°857 | 2°10   | 20°55  |   |
| T 31 | 12 53 16 | 15°Y11'07 | 19°Y50  | 13°Y 3 | 4°836  | 4°8 6   | 10°M33 | 27°Y34 | 0°K20  | 23°♁ 9 | 0°M 6 | 28°8 6 | 29°853 | 2°17   | 20°Y59 |   |

Delta T = 26m28s Julian Calendar 1 March 998 == Greg. Calendar 6 March 998

APRIL 998 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉         | ☽      | ♀      | ♁       | ♂      | ♃      | ♅      | ♁     | ♁      | ♁      | ♁      | ♁      | ♁    | ♁      | ♁ |
|------|----------|-----------|--------|--------|---------|--------|--------|--------|-------|--------|--------|--------|--------|------|--------|---|
| F 1  | 12 57 12 | 16°Y 9'36 | 4°855  | 12°R21 | 5°850   | 4°837  | 10°R26 | 27°Y42 | 0°K23 | 23°R 8 | 0°R 5  | 28°R 2 | 29°850 | 2°24 | 21°Y 3 |   |
| S 2  | 13 1 9   | 17° 8'04  | 19°42  | 11°Y40 | 7° 3    | 5° 7   | 10°M20 | 27°49  | 0°26  | 23°♁ 8 | 0°M 3  | 28°8 1 | 29°47  | 2°30 | 21° 6  |   |
| S 3  | 13 5 5   | 18° 6'30  | 4°II 5 | 11° 1  | 8°17    | 5°37   | 10°14  | 27°57  | 0°28  | 23° 7  | 0° 1   | 28°D 0 | 29°44  | 2°37 | 21°10  |   |
| M 4  | 13 9 2   | 19° 4'54  | 18° 0  | 10°24  | 9°30    | 6° 7   | 10° 7  | 28° 5  | 0°31  | 23° 7  | 0° 0   | 28° 1  | 29°41  | 2°44 | 21°14  |   |
| T 5  | 13 12 59 | 20° 3'16  | 1°827  | 9°50   | 10°44   | 6°38   | 10° 0  | 28°12  | 0°33  | 23° 6  | 29°858 | 28° 3  | 29°37  | 2°50 | 21°18  |   |
| W 6  | 13 16 55 | 21° 1'35  | 14°30  | 9°20   | 11°57   | 7° 9   | 9°53   | 28°20  | 0°36  | 23° 6  | 29°57  | 28° 4  | 29°34  | 2°57 | 21°21  |   |
| T 7  | 13 20 52 | 21°59'53  | 27°11  | 8°53   | 13°10   | 7°39   | 9°47   | 28°28  | 0°38  | 23° 5  | 29°55  | 28°R 4 | 29°31  | 3° 4 | 21°25  |   |
| F 8  | 13 24 48 | 22°58'08  | 9°II34 | 8°31   | 14°24   | 8°10   | 9°40   | 28°35  | 0°41  | 23° 5  | 29°53  | 28° 3  | 29°28  | 3°10 | 21°29  |   |
| S 9  | 13 28 45 | 23°56'21  | 21°43  | 8°14   | 15°37   | 8°41   | 9°33   | 28°43  | 0°43  | 23° 4  | 29°52  | 28° 0  | 29°25  | 3°17 | 21°32  |   |
| S 10 | 13 32 41 | 24°54'32  | 3°M43  | 8° 1   | 16°50   | 9°12   | 9°25   | 28°51  | 0°46  | 23° 4  | 29°50  | 27°55  | 29°22  | 3°24 | 21°36  |   |
| M11  | 13 36 38 | 25°52'41  | 15°37  | 7°52   | 18° 3   | 9°44   | 9°18   | 28°59  | 0°48  | 23° 3  | 29°48  | 27°50  | 29°18  | 3°31 | 21°40  |   |
| T 12 | 13 40 34 | 26°50'48  | 27°29  | 7°D49  | 19°17   | 10°15  | 9°11   | 29° 6  | 0°50  | 23° 2  | 29°46  | 27°45  | 29°15  | 3°37 | 21°44  |   |
| W13  | 13 44 31 | 27°48'54  | 9°819  | 7°50   | 20°30   | 10°46  | 9° 4   | 29°14  | 0°52  | 23° 2  | 29°45  | 27°39  | 29°12  | 3°44 | 21°47  |   |
| T 14 | 13 48 28 | 28°46'57  | 21°12  | 7°57   | 21°43   | 11°18  | 8°56   | 29°22  | 0°55  | 23° 1  | 29°43  | 27°35  | 29° 9  | 3°51 | 21°51  |   |
| F 15 | 13 52 24 | 29°44'59  | 3°M 9  | 8° 8   | 22°56   | 11°50  | 8°49   | 29°30  | 0°57  | 23° 0  | 29°41  | 27°31  | 29° 6  | 3°57 | 21°55  |   |
| S 16 | 13 56 21 | 0°842'59  | 15°11  | 8°23   | 24° 9   | 12°21  | 8°41   | 29°37  | 0°59  | 22°59  | 29°40  | 27°29  | 29° 3  | 4° 4 | 21°58  |   |
| S 17 | 14 0 17  | 1°40'57   | 27°21  | 8°43   | 25°22   | 12°53  | 8°34   | 29°45  | 1° 1  | 22°58  | 29°38  | 27°D29 | 28°59  | 4°11 | 22° 2  |   |
| M18  | 14 4 14  | 2°38'54   | 9°X40  | 9° 8   | 26°35   | 13°25  | 8°26   | 29°53  | 1° 3  | 22°58  | 29°36  | 27°29  | 28°56  | 4°17 | 22° 6  |   |
| T 19 | 14 8 10  | 3°36'50   | 22°11  | 9°36   | 27°48   | 13°57  | 8°19   | 0°8 1  | 1° 5  | 22°57  | 29°35  | 27°30  | 28°53  | 4°24 | 22° 9  |   |
| W20  | 14 12 7  | 4°34'44   | 4°856  | 10° 9  | 29° 1   | 14°29  | 8°11   | 0° 8   | 1° 7  | 22°56  | 29°33  | 27°32  | 28°50  | 4°31 | 22°13  |   |
| T 21 | 14 16 3  | 5°32'37   | 17°59  | 10°46  | 0°II14  | 15° 2  | 8° 4   | 0°16   | 1° 9  | 22°55  | 29°31  | 27°33  | 28°47  | 4°37 | 22°17  |   |
| F 22 | 14 20 0  | 6°30'29   | 18°21  | 11°27  | 1°26    | 15°34  | 7°56   | 0°24   | 1°11  | 22°54  | 29°30  | 27°R34 | 28°43  | 4°44 | 22°20  |   |
| S 23 | 14 23 57 | 7°28'19   | 15° 5  | 12°11  | 2°39    | 16° 6  | 7°48   | 0°32   | 1°13  | 22°53  | 29°28  | 27°34  | 28°40  | 4°51 | 22°24  |   |
| S 24 | 14 27 53 | 8°26'09   | 29°10  | 12°59  | 3°52    | 16°39  | 7°41   | 0°39   | 1°14  | 22°52  | 29°26  | 27°33  | 28°37  | 4°58 | 22°27  |   |
| M25  | 14 31 50 | 9°23'57   | 13°X37 | 13°50  | 5° 5    | 17°11  | 7°33   | 0°47   | 1°16  | 22°51  | 29°25  | 27°31  | 28°34  | 5° 4 | 22°31  |   |
| T 26 | 14 35 46 | 10°21'43  | 28°20  | 14°45  | 6°17    | 17°44  | 7°25   | 0°55   | 1°18  | 22°50  | 29°23  | 27°29  | 28°31  | 5°11 | 22°35  |   |
| W27  | 14 39 43 | 11°19'29  | 13°Y15 | 15°43  | 7°30    | 18°17  | 7°18   | 1° 2   | 1°20  | 22°49  | 29°21  | 27°27  | 28°28  | 5°18 | 22°38  |   |
| T 28 | 14 43 39 | 12°17'13  | 28°14  | 16°44  | 8°43    | 18°50  | 7°10   | 1°10   | 1°21  | 22°48  | 29°20  | 27°26  | 28°24  | 5°24 | 22°42  |   |
| F 29 | 14 47 36 | 13°14'56  | 13°8 9 | 17°48  | 9°55    | 19°23  | 7° 3   | 1°18   | 1°23  | 22°46  | 29°18  | 27°25  | 28°21  | 5°31 | 22°45  |   |
| S 30 | 14 51 32 | 14°12'38  | 27°851 | 18°Y55 | 11°II 8 | 19°856 | 6°M55  | 1°825  | 1°K24 | 22°45  | 29°16  | 27°D24 | 28°818 | 5°38 | 22°Y49 |   |

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SWISS EPHEMERIS for the year 998

MAY 998 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄    | ♅    | ♆      | ♇      | ♈      | ♉     | ♊    | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|------|------|--------|--------|--------|-------|------|-------|---|---|---|---|---|---|---|---|
| S 1  | 14 55 29 | 15♁10'18 | 12♏13 | 20♃5  | 12♏20 | 20♁29 | 6°R48 | 1♁33 | 1♁26 | 22°R44 | 29°R15 | 27♁25  | 28♁15 | 5♁44 | 22♃52 |   |   |   |   |   |   |   |   |
| M 2  | 14 59 26 | 16° 7'57 | 26°12 | 21°18 | 13°33 | 21° 2 | 6♏40  | 1°41 | 1°27 | 22♁43  | 29♁13  | 27°25  | 28°12 | 5°51 | 22°56 |   |   |   |   |   |   |   |   |
| T 3  | 15 3 22  | 17° 5'34 | 9♁46  | 22°33 | 14°45 | 21°35 | 6°33  | 1°48 | 1°29 | 22°42  | 29°12  | 27°26  | 28° 9 | 5°58 | 22°59 |   |   |   |   |   |   |   |   |
| W 4  | 15 7 19  | 18° 3'10 | 22°55 | 23°51 | 15°58 | 22° 8 | 6°25  | 1°56 | 1°30 | 22°40  | 29°10  | 27°27  | 28° 5 | 6° 5 | 23° 3 |   |   |   |   |   |   |   |   |
| T 5  | 15 11 15 | 19° 0'45 | 5♁40  | 25°11 | 17°10 | 22°42 | 6°18  | 2° 3 | 1°31 | 22°39  | 29° 9  | 27°28  | 28° 2 | 6°11 | 23° 6 |   |   |   |   |   |   |   |   |
| F 6  | 15 15 12 | 19°58'18 | 18° 6 | 26°35 | 18°22 | 23°15 | 6°11  | 2°11 | 1°33 | 22°38  | 29° 7  | 27°R28 | 27°59 | 6°18 | 23°10 |   |   |   |   |   |   |   |   |
| S 7  | 15 19 8  | 20°55'49 | 0♏17  | 28° 0 | 19°34 | 23°49 | 6° 3  | 2°18 | 1°34 | 22°37  | 29° 5  | 27°28  | 27°56 | 6°25 | 23°13 |   |   |   |   |   |   |   |   |
| S 8  | 15 23 5  | 21°53'19 | 12°17 | 29°29 | 20°47 | 24°23 | 5°56  | 2°26 | 1°35 | 22°35  | 29° 4  | 27°27  | 27°53 | 6°31 | 23°16 |   |   |   |   |   |   |   |   |
| M 9  | 15 27 1  | 22°50'48 | 24°10 | 0♁59  | 21°59 | 24°56 | 5°49  | 2°33 | 1°36 | 22°34  | 29° 2  | 27°27  | 27°49 | 6°38 | 23°20 |   |   |   |   |   |   |   |   |
| T 10 | 15 30 58 | 23°48'15 | 6♁ 1  | 2°33  | 23°11 | 25°30 | 5°42  | 2°41 | 1°37 | 22°33  | 29° 1  | 27°26  | 27°46 | 6°45 | 23°23 |   |   |   |   |   |   |   |   |
| W11  | 15 34 55 | 24°45'41 | 17°53 | 4° 9  | 24°23 | 26° 4 | 5°35  | 2°48 | 1°38 | 22°31  | 28°59  | 27°26  | 27°43 | 6°51 | 23°26 |   |   |   |   |   |   |   |   |
| T 12 | 15 38 51 | 25°43'06 | 29°49 | 5°47  | 25°35 | 26°38 | 5°29  | 2°56 | 1°39 | 22°30  | 28°58  | 27°26  | 27°40 | 6°58 | 23°30 |   |   |   |   |   |   |   |   |
| F 13 | 15 42 48 | 26°40'30 | 11♏53 | 7°27  | 26°47 | 27°12 | 5°22  | 3° 3 | 1°40 | 22°28  | 28°56  | 27°26  | 27°37 | 7° 5 | 23°33 |   |   |   |   |   |   |   |   |
| S 14 | 15 46 44 | 27°37'52 | 24° 5 | 9°11  | 27°59 | 27°46 | 5°15  | 3°10 | 1°41 | 22°27  | 28°55  | 27°26  | 27°34 | 7°11 | 23°36 |   |   |   |   |   |   |   |   |
| S 15 | 15 50 41 | 28°35'14 | 6♁29  | 10°56 | 29°10 | 28°20 | 5° 9  | 3°18 | 1°42 | 22°26  | 28°54  | 27°26  | 27°30 | 7°18 | 23°39 |   |   |   |   |   |   |   |   |
| M16  | 15 54 37 | 29°32'35 | 19° 6 | 12°44 | 0♁22  | 28°54 | 5° 2  | 3°25 | 1°43 | 22°24  | 28°52  | 27°26  | 27°27 | 7°25 | 23°42 |   |   |   |   |   |   |   |   |
| T 17 | 15 58 34 | 0♏29'56  | 1♁55  | 14°35 | 1°34  | 29°28 | 4°56  | 3°32 | 1°44 | 22°23  | 28°51  | 27°25  | 27°24 | 7°32 | 23°46 |   |   |   |   |   |   |   |   |
| W18  | 16 2 30  | 1°27'15  | 14°58 | 16°27 | 2°46  | 0♁ 3  | 4°50  | 3°39 | 1°44 | 22°21  | 28°50  | 27°25  | 27°21 | 7°38 | 23°49 |   |   |   |   |   |   |   |   |
| T 19 | 16 6 27  | 2°24'34  | 28°16 | 18°22 | 3°57  | 0°37  | 4°44  | 3°46 | 1°45 | 22°20  | 28°48  | 27°24  | 27°18 | 7°45 | 23°52 |   |   |   |   |   |   |   |   |
| F 20 | 16 10 24 | 3°21'53  | 11♁49 | 20°20 | 5° 9  | 1°12  | 4°38  | 3°54 | 1°46 | 22°18  | 28°47  | 27°24  | 27°15 | 7°52 | 23°55 |   |   |   |   |   |   |   |   |
| S 21 | 16 14 20 | 4°19'11  | 2°36  | 22°19 | 6°21  | 1°46  | 4°32  | 4° 1 | 1°46 | 22°17  | 28°46  | 27°24  | 27°11 | 7°58 | 23°58 |   |   |   |   |   |   |   |   |
| S 22 | 16 18 17 | 5°16'28  | 9♁37  | 24°21 | 7°32  | 2°21  | 4°26  | 4° 8 | 1°47 | 22°15  | 28°44  | 27°D23 | 27° 8 | 8° 5 | 24° 1 |   |   |   |   |   |   |   |   |
| M23  | 16 22 13 | 6°13'45  | 23°51 | 26°24 | 8°43  | 2°55  | 4°21  | 4°15 | 1°47 | 22°14  | 28°43  | 27°24  | 27° 5 | 8°12 | 24° 4 |   |   |   |   |   |   |   |   |
| T 24 | 16 26 10 | 7°11'01  | 8♃16  | 28°30 | 9°55  | 3°30  | 4°15  | 4°22 | 1°48 | 22°12  | 28°42  | 27°24  | 27° 2 | 8°18 | 24° 7 |   |   |   |   |   |   |   |   |
| W25  | 16 30 6  | 8° 8'18  | 22°47 | 0♏37  | 11° 6 | 4° 5  | 4°10  | 4°29 | 1°48 | 22°10  | 28°41  | 27°25  | 26°59 | 8°25 | 24°10 |   |   |   |   |   |   |   |   |
| T 26 | 16 34 3  | 9° 5'34  | 7♁21  | 2°45  | 12°18 | 4°40  | 4° 5  | 4°35 | 1°48 | 22° 9  | 28°39  | 27°26  | 26°55 | 8°32 | 24°13 |   |   |   |   |   |   |   |   |
| F 27 | 16 37 59 | 10° 2'49 | 21°53 | 4°54  | 13°29 | 5°14  | 4° 0  | 4°42 | 1°49 | 22° 7  | 28°38  | 27°R26 | 26°52 | 8°38 | 24°15 |   |   |   |   |   |   |   |   |
| S 28 | 16 41 56 | 11° 0'04 | 6♏16  | 7° 5  | 14°40 | 5°49  | 3°55  | 4°49 | 1°49 | 22° 6  | 28°37  | 27°26  | 26°49 | 8°45 | 24°18 |   |   |   |   |   |   |   |   |
| S 29 | 16 45 53 | 11°57'19 | 20°26 | 9°16  | 15°51 | 6°24  | 3°50  | 4°56 | 1°49 | 22° 4  | 28°36  | 27°26  | 26°46 | 8°52 | 24°21 |   |   |   |   |   |   |   |   |
| M30  | 16 49 49 | 12°54'33 | 4♁17  | 11°27 | 17° 2 | 6°59  | 3°45  | 5° 3 | 1°49 | 22° 3  | 28°35  | 27°24  | 26°43 | 8°59 | 24°24 |   |   |   |   |   |   |   |   |
| T 31 | 16 53 46 | 13♏51'47 | 17♁48 | 13♏39 | 18♁13 | 7♁35  | 3♏41  | 5♁ 9 | 1♁49 | 22♁ 1  | 28♁34  | 27♁22  | 26♁40 | 9♁ 5 | 24♃26 |   |   |   |   |   |   |   |   |

Delta T = 26m27s Julian Calendar 1 May 998 == Greg. Calendar 6 May 998

JUNE 998 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄    | ♅     | ♆      | ♇      | ♈      | ♉     | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|------|-------|--------|--------|--------|-------|-------|-------|---|---|---|---|---|---|---|---|
| W 1  | 16 57 42 | 14♏49'00 | 0♁57  | 15♏50 | 19♁24 | 8♁10  | 3°R37 | 5♁16 | 1°R49 | 21°R59 | 28°R33 | 27°R20 | 26♁36 | 9♁12  | 24♃29 |   |   |   |   |   |   |   |   |
| T 2  | 17 1 39  | 15°46'12 | 13°44 | 18° 1 | 20°35 | 8°45  | 3♏33  | 5°22 | 1♁49  | 21♁58  | 28♁32  | 27♁17  | 26°33 | 9°19  | 24°32 |   |   |   |   |   |   |   |   |
| F 3  | 17 5 35  | 16°43'24 | 26°13 | 20°12 | 21°46 | 9°20  | 3°29  | 5°29 | 1°49  | 21°56  | 28°31  | 27°15  | 26°30 | 9°25  | 24°34 |   |   |   |   |   |   |   |   |
| S 4  | 17 9 32  | 17°40'35 | 8♏25  | 22°21 | 22°57 | 9°56  | 3°25  | 5°35 | 1°49  | 21°55  | 28°30  | 27°14  | 26°27 | 9°32  | 24°37 |   |   |   |   |   |   |   |   |
| S 5  | 17 13 28 | 18°37'46 | 20°26 | 24°30 | 24° 7 | 10°31 | 3°21  | 5°42 | 1°49  | 21°53  | 28°29  | 27°D14 | 26°24 | 9°39  | 24°39 |   |   |   |   |   |   |   |   |
| M 6  | 17 17 25 | 19°34'56 | 2♁19  | 26°36 | 25°18 | 11° 7 | 3°18  | 5°48 | 1°49  | 21°51  | 28°28  | 27°15  | 26°21 | 9°45  | 24°42 |   |   |   |   |   |   |   |   |
| T 7  | 17 21 22 | 20°32'06 | 14°10 | 28°42 | 26°29 | 11°42 | 3°15  | 5°54 | 1°48  | 21°50  | 28°27  | 27°16  | 26°17 | 9°52  | 24°44 |   |   |   |   |   |   |   |   |
| W 8  | 17 25 18 | 21°29'15 | 26° 4 | 0♁46  | 27°39 | 12°18 | 3°12  | 6° 1 | 1°48  | 21°48  | 28°26  | 27°17  | 26°14 | 9°59  | 24°47 |   |   |   |   |   |   |   |   |
| T 9  | 17 29 15 | 22°26'24 | 8♏ 4  | 2°48  | 28°49 | 12°53 | 3° 9  | 6° 7 | 1°48  | 21°47  | 28°26  | 27°19  | 26°11 | 10° 5 | 24°49 |   |   |   |   |   |   |   |   |
| F 10 | 17 33 11 | 23°23'32 | 20°14 | 4°49  | 0♁ 0  | 13°29 | 3° 6  | 6°13 | 1°47  | 21°45  | 28°25  | 27°20  | 26° 8 | 10°12 | 24°51 |   |   |   |   |   |   |   |   |
| S 11 | 17 37 8  | 24°20'41 | 2♁38  | 6°47  | 1°10  | 14° 5 | 3° 3  | 6°19 | 1°47  | 21°43  | 28°24  | 27°R20 | 26° 5 | 10°19 | 24°54 |   |   |   |   |   |   |   |   |
| S 12 | 17 41 4  | 25°17'49 | 15°17 | 8°44  | 2°20  | 14°41 | 3° 1  | 6°25 | 1°46  | 21°42  | 28°23  | 27°19  | 26° 1 | 10°25 | 24°56 |   |   |   |   |   |   |   |   |
| M13  | 17 45 1  | 26°14'58 | 28°12 | 10°39 | 3°30  | 15°17 | 2°59  | 6°31 | 1°46  | 21°40  | 28°23  | 27°17  | 25°58 | 10°32 | 24°58 |   |   |   |   |   |   |   |   |
| T 14 | 17 48 58 | 27°12'06 | 11♁25 | 12°31 | 4°40  | 15°52 | 2°57  | 6°37 | 1°45  | 21°38  | 28°22  | 27°13  | 25°55 | 10°39 | 25° 0 |   |   |   |   |   |   |   |   |
| W15  | 17 52 54 | 28° 9'14 | 24°52 | 14°22 | 5°50  | 16°28 | 2°55  | 6°43 | 1°45  | 21°37  | 28°21  | 27° 8  | 25°52 | 10°46 | 25° 2 |   |   |   |   |   |   |   |   |
| T 16 | 17 56 51 | 29° 6'23 | 8♁34  | 16°11 | 7° 0  | 17° 4 | 2°53  | 6°49 | 1°44  | 21°35  | 28°21  | 27° 4  | 25°49 | 10°52 | 25° 4 |   |   |   |   |   |   |   |   |
| F 17 | 18 0 47  | 0♁3'32   | 22°26 | 17°58 | 8°10  | 17°40 | 2°52  | 6°54 | 1°43  | 21°34  | 28°20  | 26°59  | 25°46 | 10°59 | 25° 6 |   |   |   |   |   |   |   |   |
| S 18 | 18 4 44  | 1° 0'41  | 6♁27  | 19°42 | 9°20  | 18°17 | 2°50  | 7° 0 | 1°43  | 21°32  | 28°20  | 26°56  | 25°42 | 11° 6 | 25° 8 |   |   |   |   |   |   |   |   |
| S 19 | 18 8 40  | 1°57'51  | 20°34 | 21°25 | 10°29 | 18°53 | 2°49  | 7° 5 | 1°42  | 21°30  | 28°19  | 26°54  | 25°39 | 11°12 | 25°10 |   |   |   |   |   |   |   |   |
| M20  | 18 12 37 | 2°55'01  | 4♃44  | 23° 6 | 11°39 | 19°29 | 2°48  | 7°11 | 1°41  | 21°29  | 28°19  | 26°D53 | 25°36 | 11°19 | 25°12 |   |   |   |   |   |   |   |   |
| T 21 | 18 16 33 | 3°52'12  | 18°57 | 24°44 | 12°48 | 20° 5 | 2°47  | 7°16 | 1°40  | 21°27  | 28°18  | 26°54  | 25°33 | 11°26 | 25°14 |   |   |   |   |   |   |   |   |
| W22  | 18 20 30 | 4°49'23  | 3♁ 8  | 26°21 | 13°58 | 20°42 | 2°47  | 7°22 | 1°39  | 21°26  | 28°18  | 26°55  | 25°30 | 11°32 | 25°16 |   |   |   |   |   |   |   |   |
| T 23 | 18 24 27 | 5°46'35  | 17°18 | 27°55 | 15° 7 | 21°18 | 2°46  | 7°27 | 1°38  | 21°24  | 28°17  | 26°56  | 25°27 | 11°39 | 25°17 |   |   |   |   |   |   |   |   |
| F 24 | 18 28 23 | 6°43'47  | 1♏24  | 29°28 | 16°16 | 21°54 | 2°46  | 7°32 | 1°37  | 21°23  | 28°17  | 26°R57 | 25°23 | 11°46 | 25°19 |   |   |   |   |   |   |   |   |
| S 25 | 18 32 20 | 7°41'01  | 15°21 | 0♁59  | 17°25 | 22°31 | 2°D46 | 7°37 | 1°36  | 21°21  | 28°17  | 26°55  | 25°20 | 11°52 | 25°21 |   |   |   |   |   |   |   |   |
| S 26 | 18 36 16 | 8°38'14  | 29° 9 | 2°27  | 18°34 | 23° 8 | 2°46  | 7°42 | 1°35  | 21°20  | 28°17  | 26°52  | 25°17 | 11°59 | 25°22 |   |   |   |   |   |   |   |   |
| M27  | 18 40 13 | 9°35'29  | 12♁43 | 3°54  | 19°43 | 23°44 | 2°46  | 7°47 | 1°34  | 21°18  | 28°16  | 26°47  | 25°14 | 12° 6 | 25°24 |   |   |   |   |   |   |   |   |
| T 28 | 18 44 9  | 10°32'43 | 26° 1 | 5°18  | 20°52 | 24°21 | 2°47  | 7°52 | 1°32  | 21°17  | 28°16  | 26°40  | 25°11 | 12°12 | 25°25 |   |   |   |   |   |   |   |   |
| W29  | 18 48 6  | 11°29'58 | 9♁ 2  | 6°40  | 22° 1 | 24°58 | 2°47  | 7°57 | 1°31  | 21°15  | 28°16  | 26°33  | 25° 7 | 12°19 | 25°27 |   |   |   |   |   |   |   |   |
| T 30 | 18 52 2  | 12♁27'14 | 21♁45 | 8♁ 0  | 23♁ 9 | 25♁34 | 2♏48  | 8♁ 2 | 1♁30  | 21♁14  | 28♁16  | 26♁25  | 25♁ 4 | 12♁26 | 25♃28 |   |   |   |   |   |   |   |   |

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SWISS EPHEMERIS for the year 998

SEPTEMBER 998 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♂     | ♂     | ♂     | ♂     | ♂      | ♂     | ♂     | ♂      | ♂     | ♂     | ♂      |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|--------|
| T 1  | 23 0 25  | 13♐12'09 | 2♌5   | 29♌54 | 28♌36 | 5♌55  | 9♌2   | 9°R52 | 29°R18 | 20♌24 | 29♌13 | 20♌44  | 21♌44 | 19♌26 | 25°R 7 |
| F 2  | 23 4 22  | 14°10'53 | 14°16 | 1♐40  | 29°27 | 6°35  | 9°12  | 9♌50  | 29°15  | 20°25 | 29°15 | 20°R44 | 21°41 | 19°33 | 25°Y 5 |
| S 3  | 23 8 19  | 15° 9'40 | 26°45 | 3°27  | 0♌17  | 7°15  | 9°22  | 9°48  | 29°13  | 20°25 | 29°17 | 20°44  | 21°38 | 19°40 | 25° 3  |
| S 4  | 23 12 15 | 16° 8'28 | 9♌39  | 5°15  | 1° 6  | 7°55  | 9°32  | 9°47  | 29°11  | 20°25 | 29°19 | 20°41  | 21°35 | 19°46 | 25° 1  |
| M 5  | 23 16 12 | 17° 7'18 | 22°59 | 7° 4  | 1°54  | 8°35  | 9°43  | 9°45  | 29° 9  | 20°25 | 29°21 | 20°37  | 21°31 | 19°53 | 24°59  |
| T 6  | 23 20 8  | 18° 6'10 | 6♌49  | 8°53  | 2°42  | 9°16  | 9°53  | 9°43  | 29° 6  | 20°26 | 29°23 | 20°30  | 21°28 | 20° 0 | 24°57  |
| W 7  | 23 24 5  | 19° 5'03 | 21° 7 | 10°42 | 3°29  | 9°56  | 10° 4 | 9°41  | 29° 4  | 20°26 | 29°25 | 20°21  | 21°25 | 20° 6 | 24°55  |
| T 8  | 23 28 1  | 20° 3'59 | 5♌50  | 12°32 | 4°15  | 10°37 | 10°14 | 9°38  | 29° 2  | 20°26 | 29°27 | 20°11  | 21°22 | 20°13 | 24°53  |
| F 9  | 23 31 58 | 21° 2'56 | 20°50 | 14°22 | 5° 0  | 11°17 | 10°25 | 9°36  | 29° 0  | 20°27 | 29°29 | 20° 2  | 21°19 | 20°20 | 24°50  |
| S 10 | 23 35 54 | 22° 1'56 | 5♐59  | 16°11 | 5°44  | 11°58 | 10°36 | 9°34  | 28°58  | 20°27 | 29°31 | 19°55  | 21°16 | 20°26 | 24°48  |
| S 11 | 23 39 51 | 23° 0'57 | 21° 5 | 18° 0 | 6°27  | 12°38 | 10°47 | 9°31  | 28°55  | 20°27 | 29°33 | 19°50  | 21°12 | 20°33 | 24°46  |
| M12  | 23 43 48 | 24° 0'01 | 6♌0   | 19°48 | 7°10  | 13°19 | 10°58 | 9°29  | 28°53  | 20°28 | 29°35 | 19°47  | 21° 9 | 20°40 | 24°44  |
| T 13 | 23 47 44 | 24°59'07 | 20°37 | 21°36 | 7°51  | 14° 0 | 11° 9 | 9°26  | 28°51  | 20°28 | 29°37 | 19°D46 | 21° 6 | 20°46 | 24°41  |
| W14  | 23 51 41 | 25°58'16 | 4♐52  | 23°23 | 8°31  | 14°40 | 11°20 | 9°23  | 28°49  | 20°29 | 29°39 | 19°46  | 21° 3 | 20°53 | 24°39  |
| T 15 | 23 55 37 | 26°57'27 | 18°44 | 25° 9 | 9°10  | 15°21 | 11°31 | 9°20  | 28°47  | 20°30 | 29°41 | 19°47  | 21° 0 | 21° 0 | 24°36  |
| F 16 | 23 59 34 | 27°56'41 | 2♌14  | 26°55 | 9°48  | 16° 2 | 11°42 | 9°17  | 28°45  | 20°30 | 29°43 | 19°R48 | 20°56 | 21° 6 | 24°34  |
| S 17 | 0 3 30   | 28°55'57 | 15°25 | 28°40 | 10°24 | 16°43 | 11°54 | 9°14  | 28°43  | 20°31 | 29°45 | 19°46  | 20°53 | 21°13 | 24°31  |
| S 18 | 0 7 27   | 29°55'15 | 28°17 | 0♌24  | 11° 0 | 17°24 | 12° 5 | 9°11  | 28°41  | 20°32 | 29°47 | 19°43  | 20°50 | 21°20 | 24°29  |
| M19  | 0 11 23  | 0♌54'35  | 10♌55 | 2° 8  | 11°34 | 18° 5 | 12°17 | 9° 8  | 28°39  | 20°32 | 29°50 | 19°37  | 20°47 | 21°26 | 24°26  |
| T 20 | 0 15 20  | 1°53'58  | 23°20 | 3°50  | 12° 7 | 18°46 | 12°28 | 9° 5  | 28°37  | 20°33 | 29°52 | 19°29  | 20°44 | 21°33 | 24°24  |
| W21  | 0 19 17  | 2°53'23  | 5♐35  | 5°32  | 12°38 | 19°27 | 12°40 | 9° 1  | 28°35  | 20°34 | 29°54 | 19°21  | 20°41 | 21°40 | 24°21  |
| T 22 | 0 23 13  | 3°52'50  | 17°41 | 7°14  | 13° 8 | 20° 8 | 12°52 | 8°58  | 28°34  | 20°35 | 29°56 | 19°12  | 20°37 | 21°46 | 24°18  |
| F 23 | 0 27 10  | 4°52'20  | 29°39 | 8°54  | 13°37 | 20°50 | 13° 3 | 8°54  | 28°32  | 20°35 | 29°58 | 19° 3  | 20°34 | 21°53 | 24°16  |
| S 24 | 0 31 6   | 5°51'51  | 11♌32 | 10°34 | 14° 4 | 21°31 | 13°15 | 8°50  | 28°30  | 20°36 | 0♌1   | 18°56  | 20°31 | 22° 0 | 24°13  |
| S 25 | 0 35 3   | 6°51'25  | 23°21 | 12°13 | 14°29 | 22°12 | 13°27 | 8°47  | 28°28  | 20°37 | 0° 3  | 18°51  | 20°28 | 22° 6 | 24°10  |
| M26  | 0 38 59  | 7°51'00  | 5♐8   | 13°52 | 14°53 | 22°54 | 13°39 | 8°43  | 28°27  | 20°38 | 0° 5  | 18°48  | 20°25 | 22°13 | 24° 8  |
| T 27 | 0 42 56  | 8°50'38  | 16°56 | 15°29 | 15°14 | 23°35 | 13°51 | 8°39  | 28°25  | 20°39 | 0° 8  | 18°D47 | 20°21 | 22°20 | 24° 5  |
| W28  | 0 46 52  | 9°50'17  | 28°47 | 17° 6 | 15°34 | 24°17 | 14° 3 | 8°35  | 28°23  | 20°40 | 0°10  | 18°47  | 20°18 | 22°26 | 24° 2  |
| T 29 | 0 50 49  | 10°49'58 | 10♌46 | 18°43 | 15°53 | 24°58 | 14°16 | 8°31  | 28°22  | 20°41 | 0°12  | 18°49  | 20°15 | 22°33 | 23°59  |
| F 30 | 0 54 46  | 11°49'42 | 22♌57 | 20♌19 | 16♌9  | 25♌40 | 14♌28 | 8♌27  | 28°20  | 20♌42 | 0♌15  | 18♌50  | 20♌12 | 22♌40 | 23°Y57 |

Delta T = 26m25s Julian Calendar 1 Sept. 998 == Greg. Calendar 6 Sept. 998

OCTOBER 998 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♂      | ♂     | ♂     | ♂     | ♂      | ♂     | ♂    | ♂      | ♂     | ♂     | ♂      |
|------|---------|----------|-------|-------|--------|-------|-------|-------|--------|-------|------|--------|-------|-------|--------|
| S 1  | 0 58 42 | 12♌49'27 | 5♌24  | 21♌54 | 16♌23  | 26♌22 | 14♌40 | 8°R23 | 28°R19 | 20♌43 | 0♌17 | 18♌52  | 20♌9  | 22♌46 | 23°R54 |
| S 2  | 1 2 39  | 13°49'13 | 18°12 | 23°29 | 16°35  | 27° 4 | 14°53 | 8♌19  | 28°17  | 20°44 | 0°19 | 18°R52 | 20° 6 | 22°53 | 23°Y51 |
| M 3  | 1 6 35  | 14°49'02 | 18°26 | 25° 3 | 16°45  | 27°45 | 15° 5 | 8°15  | 28°16  | 20°46 | 0°22 | 18°50  | 20° 2 | 23° 0 | 23°48  |
| T 4  | 1 10 32 | 15°48'52 | 15° 8 | 26°36 | 16°52  | 28°27 | 15°17 | 8°10  | 28°14  | 20°47 | 0°24 | 18°48  | 19°59 | 23° 6 | 23°45  |
| W 5  | 1 14 28 | 16°48'44 | 29°18 | 28° 9 | 16°58  | 29° 9 | 15°30 | 8° 6  | 28°13  | 20°48 | 0°26 | 18°44  | 19°56 | 23°13 | 23°42  |
| T 6  | 1 18 25 | 17°48'37 | 13♌56 | 29°42 | 17° 1  | 29°51 | 15°43 | 8° 2  | 28°12  | 20°49 | 0°29 | 18°39  | 19°53 | 23°20 | 23°40  |
| F 7  | 1 22 21 | 18°48'32 | 28°55 | 1♐14  | 17°R 2 | 0♌33  | 15°55 | 7°57  | 28°11  | 20°51 | 0°31 | 18°35  | 19°50 | 23°26 | 23°37  |
| S 8  | 1 26 18 | 19°48'30 | 14♐7  | 2°45  | 17° 0  | 1°15  | 16° 8 | 7°53  | 28° 9  | 20°52 | 0°33 | 18°31  | 19°47 | 23°33 | 23°34  |
| S 9  | 1 30 14 | 20°48'29 | 29°24 | 4°16  | 16°56  | 1°57  | 16°21 | 7°48  | 28° 8  | 20°53 | 0°36 | 18°29  | 19°43 | 23°39 | 23°31  |
| M10  | 1 34 11 | 21°48'30 | 14♌33 | 5°46  | 16°50  | 2°39  | 16°33 | 7°43  | 28° 7  | 20°55 | 0°38 | 18°D28 | 19°40 | 23°46 | 23°28  |
| T 11 | 1 38 8  | 22°48'33 | 29°27 | 7°16  | 16°41  | 3°22  | 16°46 | 7°39  | 28° 6  | 20°56 | 0°41 | 18°28  | 19°37 | 23°53 | 23°25  |
| W12  | 1 42 4  | 23°48'38 | 13♐58 | 8°46  | 16°30  | 4° 4  | 16°59 | 7°34  | 28° 5  | 20°57 | 0°43 | 18°29  | 19°34 | 23°59 | 23°22  |
| T 13 | 1 46 1  | 24°48'46 | 28° 4 | 10°14 | 16°16  | 4°46  | 17°12 | 7°29  | 28° 4  | 20°59 | 0°46 | 18°31  | 19°31 | 24° 6 | 23°19  |
| F 14 | 1 49 57 | 25°48'55 | 11♌43 | 11°43 | 16° 0  | 5°29  | 17°25 | 7°25  | 28° 3  | 21° 0 | 0°48 | 18°32  | 19°27 | 24°13 | 23°17  |
| S 15 | 1 53 54 | 26°49'07 | 24°57 | 13°11 | 15°41  | 6°11  | 17°38 | 7°20  | 28° 2  | 21° 2 | 0°50 | 18°R32 | 19°24 | 24°19 | 23°14  |
| S 16 | 1 57 50 | 27°49'21 | 7♌49  | 14°38 | 15°21  | 6°54  | 17°51 | 7°15  | 28° 1  | 21° 3 | 0°53 | 18°32  | 19°21 | 24°26 | 23°11  |
| M17  | 2 1 47  | 28°49'37 | 20°21 | 16° 4 | 14°58  | 7°36  | 18° 4 | 7°10  | 28° 0  | 21° 5 | 0°55 | 18°31  | 19°18 | 24°33 | 23° 8  |
| T 18 | 2 5 44  | 29°49'55 | 2♐38  | 17°30 | 14°33  | 8°19  | 18°17 | 7° 5  | 27°59  | 21° 6 | 0°58 | 18°29  | 19°15 | 24°39 | 23° 5  |
| W19  | 2 9 40  | 0♌50'15  | 14°44 | 18°56 | 14° 6  | 9° 2  | 18°30 | 7° 1  | 27°59  | 21° 8 | 1° 0 | 18°26  | 19°12 | 24°46 | 23° 2  |
| T 20 | 2 13 37 | 1°50'37  | 26°41 | 20°21 | 13°37  | 9°44  | 18°43 | 6°56  | 27°58  | 21°10 | 1° 3 | 18°23  | 19° 8 | 24°53 | 22°59  |
| F 21 | 2 17 33 | 2°51'01  | 8♌33  | 21°44 | 13° 7  | 10°27 | 18°56 | 6°51  | 27°57  | 21°11 | 1° 5 | 18°21  | 19° 5 | 24°59 | 22°57  |
| S 22 | 2 21 30 | 3°51'26  | 20°21 | 23° 8 | 12°35  | 11°10 | 19° 9 | 6°46  | 27°57  | 21°13 | 1° 7 | 18°18  | 19° 2 | 25° 6 | 22°54  |
| S 23 | 2 25 26 | 4°51'54  | 2♐9   | 24°30 | 12° 2  | 11°53 | 19°23 | 6°41  | 27°56  | 21°15 | 1°10 | 18°17  | 18°59 | 25°13 | 22°51  |
| M24  | 2 29 23 | 5°52'23  | 13°59 | 25°51 | 11°27  | 12°36 | 19°36 | 6°36  | 27°56  | 21°16 | 1°12 | 18°D16 | 18°56 | 25°19 | 22°48  |
| T 25 | 2 33 19 | 6°52'53  | 25°51 | 27°11 | 10°52  | 13°19 | 19°49 | 6°31  | 27°55  | 21°18 | 1°15 | 18°17  | 18°53 | 25°26 | 22°45  |
| W26  | 2 37 16 | 7°53'26  | 7♌50  | 28°30 | 10°16  | 14° 2 | 20° 2 | 6°26  | 27°55  | 21°20 | 1°17 | 18°17  | 18°49 | 25°33 | 22°43  |
| T 27 | 2 41 12 | 8°54'00  | 19°56 | 29°48 | 9°40   | 14°45 | 20°16 | 6°21  | 27°55  | 21°21 | 1°20 | 18°18  | 18°46 | 25°39 | 22°40  |
| F 28 | 2 45 9  | 9°54'35  | 2♌3   | 1♌3   | 9° 4   | 15°28 | 20°29 | 6°16  | 27°54  | 21°23 | 1°22 | 18°19  | 18°43 | 25°46 | 22°37  |
| S 29 | 2 49 6  | 10°55'12 | 14°45 | 2°18  | 8°27   | 16°12 | 20°42 | 6°12  | 27°54  | 21°25 | 1°24 | 18°20  | 18°40 | 25°53 | 22°34  |
| S 30 | 2 53 2  | 11°55'49 | 27°34 | 3°30  | 7°51   | 16°55 | 20°56 | 6° 7  | 27°54  | 21°27 | 1°27 | 18°20  | 18°37 | 25°59 | 22°32  |
| M31  | 2 56 59 | 12♌56'29 | 10♌43 | 4♌40  | 7♌16   | 17♌38 | 21♌9  | 6♌2   | 27°54  | 21°29 | 1♌29 | 18°R21 | 18♌33 | 26♌6  | 22°Y29 |

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SWISS EPHEMERIS for the year 998

NOVEMBER 998 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅     | ♁      | ♁     | ♁    | ♁      | ♁     | ♁     | ♁      |
|------|---------|----------|-------|--------|-------|-------|-------|-------|--------|-------|------|--------|-------|-------|--------|
| T 1  | 3 0 55  | 13♌57'09 | 24♋15 | 5♌47   | 6♌R41 | 18♌22 | 21♌23 | 5°R57 | 27°R54 | 21♌31 | 1♌32 | 18°R20 | 18♌30 | 26♌13 | 22°R26 |
| W 2  | 3 4 52  | 14°57'50 | 8♌11  | 6°52   | 6♌ 8  | 19° 5 | 21°36 | 5♌52  | 27°D54 | 21°33 | 1°34 | 18♌20  | 18°27 | 26°19 | 22°V24 |
| T 3  | 3 8 48  | 15°58'33 | 22°31 | 7°53   | 5°36  | 19°49 | 21°50 | 5°47  | 27°54  | 21°35 | 1°36 | 18°20  | 18°24 | 26°26 | 22°21  |
| F 4  | 3 12 45 | 16°59'16 | 7♌14  | 8°50   | 5° 5  | 20°32 | 22° 3 | 5°43  | 27°54  | 21°36 | 1°39 | 18°20  | 18°21 | 26°33 | 22°19  |
| S 5  | 3 16 41 | 18° 0'01 | 22°12 | 9°43   | 4°36  | 21°16 | 22°16 | 5°38  | 27°54  | 21°38 | 1°41 | 18°D20 | 18°18 | 26°39 | 22°16  |
| S 6  | 3 20 38 | 19° 0'47 | 7♌20  | 10°31  | 4° 9  | 21°59 | 22°30 | 5°33  | 27°54  | 21°40 | 1°43 | 18°20  | 18°14 | 26°46 | 22°14  |
| M 7  | 3 24 35 | 20° 1'34 | 22°27 | 11°14  | 3°43  | 22°43 | 22°43 | 5°28  | 27°55  | 21°42 | 1°46 | 18°R20 | 18°11 | 26°53 | 22°11  |
| T 8  | 3 28 31 | 21° 2'22 | 7♌26  | 11°51  | 3°20  | 23°27 | 22°57 | 5°24  | 27°55  | 21°44 | 1°48 | 18°20  | 18° 8 | 26°59 | 22° 9  |
| W 9  | 3 32 28 | 22° 3'12 | 22° 6 | 12°20  | 2°59  | 24°11 | 23°10 | 5°19  | 27°55  | 21°46 | 1°50 | 18°19  | 18° 5 | 27° 6 | 22° 6  |
| T 10 | 3 36 24 | 23° 4'04 | 6♌24  | 12°42  | 2°41  | 24°55 | 23°24 | 5°15  | 27°56  | 21°48 | 1°53 | 18°19  | 18° 2 | 27°13 | 22° 4  |
| F 11 | 3 40 21 | 24° 4'56 | 20°15 | 12°55  | 2°25  | 25°39 | 23°37 | 5°10  | 27°56  | 21°50 | 1°55 | 18°18  | 17°59 | 27°19 | 22° 2  |
| S 12 | 3 44 17 | 25° 5'51 | 3♌38  | 12°R59 | 2°11  | 26°23 | 23°51 | 5° 6  | 27°56  | 21°53 | 1°57 | 18°18  | 17°55 | 27°26 | 21°59  |
| S 13 | 3 48 14 | 26° 6'46 | 16°36 | 12°53  | 2° 0  | 27° 7 | 24° 4 | 5° 1  | 27°57  | 21°55 | 2° 0 | 18°17  | 17°52 | 27°32 | 21°57  |
| M 14 | 3 52 11 | 27° 7'43 | 29°11 | 12°36  | 1°51  | 27°51 | 24°18 | 4°57  | 27°58  | 21°57 | 2° 2 | 18°D17 | 17°49 | 27°39 | 21°55  |
| T 15 | 3 56 7  | 28° 8'41 | 11♌28 | 12° 8  | 1°45  | 28°35 | 24°31 | 4°53  | 27°58  | 21°59 | 2° 4 | 18°17  | 17°46 | 27°46 | 21°52  |
| W 16 | 4 0 4   | 29° 9'40 | 23°30 | 11°28  | 1°41  | 29°19 | 24°45 | 4°48  | 27°59  | 22° 1 | 2° 6 | 18°18  | 17°43 | 27°52 | 21°50  |
| T 17 | 4 4 0   | 0♌10'40  | 5♌23  | 10°38  | 1°D40 | 0♌ 3  | 24°58 | 4°44  | 28° 0  | 22° 3 | 2° 9 | 18°19  | 17°39 | 27°59 | 21°48  |
| F 18 | 4 7 57  | 1°11'42  | 17°12 | 9°37   | 1°41  | 0°47  | 25°12 | 4°40  | 28° 1  | 22° 5 | 2°11 | 18°20  | 17°36 | 28° 6 | 21°46  |
| S 19 | 4 11 53 | 2°12'45  | 28°59 | 8°28   | 1°45  | 1°32  | 25°25 | 4°36  | 28° 1  | 22° 7 | 2°13 | 18°22  | 17°33 | 28°12 | 21°44  |
| S 20 | 4 15 50 | 3°13'49  | 10♌48 | 7°11   | 1°51  | 2°16  | 25°39 | 4°32  | 28° 2  | 22°10 | 2°15 | 18°22  | 17°30 | 28°19 | 21°42  |
| M 21 | 4 19 46 | 4°14'54  | 22°43 | 5°50   | 1°59  | 3° 1  | 25°52 | 4°28  | 28° 3  | 22°12 | 2°17 | 18°R23 | 17°27 | 28°26 | 21°40  |
| T 22 | 4 23 43 | 5°15'59  | 4♌44  | 4°27   | 2°10  | 3°45  | 26° 6 | 4°24  | 28° 4  | 22°14 | 2°19 | 18°22  | 17°24 | 28°32 | 21°38  |
| W 23 | 4 27 40 | 6°17'06  | 16°55 | 3° 5   | 2°22  | 4°30  | 26°19 | 4°20  | 28° 5  | 22°16 | 2°22 | 18°20  | 17°20 | 28°39 | 21°36  |
| T 24 | 4 31 36 | 7°18'13  | 29°17 | 1°47   | 2°37  | 5°14  | 26°32 | 4°17  | 28° 6  | 22°18 | 2°24 | 18°17  | 17°17 | 28°46 | 21°35  |
| F 25 | 4 35 33 | 8°19'21  | 11♌50 | 0°34   | 2°54  | 5°59  | 26°46 | 4°13  | 28° 8  | 22°21 | 2°26 | 18°14  | 17°14 | 28°52 | 21°33  |
| S 26 | 4 39 29 | 9°20'29  | 24°35 | 29♌30  | 3°13  | 6°43  | 26°59 | 4° 9  | 28° 9  | 22°23 | 2°28 | 18°11  | 17°11 | 28°59 | 21°31  |
| S 27 | 4 43 26 | 10°21'38 | 7♌35  | 28°36  | 3°34  | 7°28  | 27°13 | 4° 6  | 28°10  | 22°25 | 2°30 | 18° 8  | 17° 8 | 29° 6 | 21°29  |
| M 28 | 4 47 22 | 11°22'47 | 20°49 | 27°52  | 3°57  | 8°13  | 27°26 | 4° 3  | 28°11  | 22°27 | 2°32 | 18° 5  | 17° 5 | 29°12 | 21°28  |
| T 29 | 4 51 19 | 12°23'56 | 4♌19  | 27°18  | 4°22  | 8°58  | 27°39 | 3°59  | 28°13  | 22°29 | 2°34 | 18° 4  | 17° 1 | 29°19 | 21°26  |
| W 30 | 4 55 15 | 13♌25'06 | 18♌ 6 | 26♌56  | 4♌48  | 9♌43  | 27♌53 | 3♌56  | 28°14  | 22°32 | 2♌36 | 18°D 4 | 16♌58 | 29°26 | 21°25  |

Delta T = 26m24s Julian Calendar 1 Nov. 998 == Greg. Calendar 6 Nov. 998

DECEMBER 998 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅     | ♁     | ♁     | ♁    | ♁      | ♁     | ♁     | ♁      |
|------|---------|----------|-------|--------|-------|-------|-------|-------|-------|-------|------|--------|-------|-------|--------|
| T 1  | 4 59 12 | 14♌26'15 | 2♌10  | 26°R45 | 5♌16  | 10♌28 | 28♌ 6 | 3°R53 | 28°16 | 22°34 | 2♌38 | 18♌ 5  | 16♌55 | 29°32 | 21°R23 |
| F 2  | 5 3 9   | 15°27'25 | 16°30 | 26°D43 | 5°46  | 11°12 | 28°19 | 3♌50  | 28°17 | 22°36 | 2°40 | 18° 6  | 16°52 | 29°39 | 21°V22 |
| S 3  | 5 7 5   | 16°28'35 | 1♌ 4  | 26♌51  | 6°17  | 11°57 | 28°32 | 3°47  | 28°19 | 22°39 | 2°42 | 18° 8  | 16°49 | 29°46 | 21°20  |
| S 4  | 5 11 2  | 17°29'45 | 15°48 | 27° 8  | 6°50  | 12°42 | 28°45 | 3°44  | 28°20 | 22°41 | 2°44 | 18°R 8 | 16°45 | 29°52 | 21°19  |
| M 5  | 5 14 58 | 18°30'55 | 0♌36  | 27°32  | 7°24  | 13°28 | 28°59 | 3°41  | 28°22 | 22°43 | 2°45 | 18° 8  | 16°42 | 29°59 | 21°18  |
| T 6  | 5 18 55 | 19°32'05 | 15°20 | 28° 4  | 8° 0  | 14°13 | 29°12 | 3°39  | 28°23 | 22°45 | 2°47 | 18° 6  | 16°39 | 0♌ 6  | 21°17  |
| W 7  | 5 22 51 | 20°33'16 | 29°54 | 28°42  | 8°37  | 14°58 | 29°25 | 3°36  | 28°25 | 22°48 | 2°49 | 18° 2  | 16°36 | 0°12  | 21°15  |
| T 8  | 5 26 48 | 21°34'27 | 14♌11 | 29°26  | 9°16  | 15°43 | 29°38 | 3°34  | 28°27 | 22°50 | 2°51 | 17°57  | 16°33 | 0°19  | 21°14  |
| F 9  | 5 30 44 | 22°35'38 | 28° 6 | 0♌15   | 9°55  | 16°28 | 29°51 | 3°31  | 28°29 | 22°52 | 2°53 | 17°51  | 16°30 | 0°25  | 21°13  |
| S 10 | 5 34 41 | 23°36'50 | 11♌36 | 1° 9   | 10°36 | 17°14 | 0♌ 4  | 3°29  | 28°31 | 22°54 | 2°54 | 17°46  | 16°26 | 0°32  | 21°12  |
| S 11 | 5 38 38 | 24°38'01 | 24°40 | 2° 6   | 11°18 | 17°59 | 0°17  | 3°27  | 28°33 | 22°57 | 2°56 | 17°41  | 16°23 | 0°39  | 21°11  |
| M 12 | 5 42 34 | 25°39'13 | 7♌20  | 3° 7   | 12° 1 | 18°44 | 0°30  | 3°25  | 28°34 | 22°59 | 2°58 | 17°37  | 16°20 | 0°45  | 21°10  |
| T 13 | 5 46 31 | 26°40'25 | 19°40 | 4°11   | 12°46 | 19°30 | 0°43  | 3°23  | 28°36 | 23° 1 | 2°59 | 17°35  | 16°17 | 0°52  | 21°10  |
| W 14 | 5 50 27 | 27°41'38 | 1♌44  | 5°18   | 13°31 | 20°15 | 0°55  | 3°21  | 28°38 | 23° 4 | 3° 1 | 17°D35 | 16°14 | 0°59  | 21° 9  |
| T 15 | 5 54 24 | 28°42'50 | 13°37 | 6°27   | 14°17 | 21° 1 | 1° 8  | 3°19  | 28°41 | 23° 6 | 3° 3 | 17°36  | 16°11 | 1° 5  | 21° 8  |
| F 16 | 5 58 20 | 29°44'03 | 25°25 | 7°39   | 15° 4 | 21°46 | 1°21  | 3°18  | 28°43 | 23° 8 | 3° 4 | 17°38  | 16° 7 | 1°12  | 21° 7  |
| S 17 | 6 2 17  | 0♌45'16  | 7♌12  | 8°52   | 15°53 | 22°32 | 1°34  | 3°16  | 28°45 | 23°10 | 3° 6 | 17°39  | 16° 4 | 1°19  | 21° 7  |
| S 18 | 6 6 13  | 1°46'29  | 19° 4 | 10° 8  | 16°42 | 23°18 | 1°46  | 3°15  | 28°47 | 23°13 | 3° 7 | 17°R40 | 16° 1 | 1°25  | 21° 6  |
| M 19 | 6 10 10 | 2°47'42  | 1♌ 4  | 11°25  | 17°31 | 24° 3 | 1°59  | 3°13  | 28°49 | 23°15 | 3° 9 | 17°39  | 15°58 | 1°32  | 21° 6  |
| T 20 | 6 14 7  | 3°48'54  | 13°15 | 12°43  | 18°22 | 24°49 | 2°11  | 3°12  | 28°51 | 23°17 | 3°10 | 17°35  | 15°55 | 1°39  | 21° 5  |
| W 21 | 6 18 3  | 4°50'07  | 25°40 | 14° 3  | 19°13 | 25°35 | 2°24  | 3°11  | 28°54 | 23°19 | 3°12 | 17°30  | 15°51 | 1°45  | 21° 5  |
| T 22 | 6 22 0  | 5°51'19  | 8♌20  | 15°23  | 20° 6 | 26°20 | 2°36  | 3°10  | 28°56 | 23°22 | 3°13 | 17°22  | 15°48 | 1°52  | 21° 5  |
| F 23 | 6 25 56 | 6°52'31  | 21°15 | 16°45  | 20°58 | 27° 6 | 2°48  | 3° 9  | 28°59 | 23°24 | 3°14 | 17°13  | 15°45 | 1°59  | 21° 5  |
| S 24 | 6 29 53 | 7°53'43  | 4♌23  | 18° 8  | 21°52 | 27°52 | 3° 1  | 3° 9  | 29° 1 | 23°26 | 3°16 | 17° 4  | 15°42 | 2° 5  | 21° 4  |
| S 25 | 6 33 49 | 8°54'54  | 17°44 | 19°32  | 22°46 | 28°38 | 3°13  | 3° 8  | 29° 3 | 23°28 | 3°17 | 16°55  | 15°39 | 2°12  | 21° 4  |
| M 26 | 6 37 46 | 9°56'04  | 1♌16  | 20°57  | 23°41 | 29°24 | 3°25  | 3° 7  | 29° 6 | 23°30 | 3°18 | 16°47  | 15°36 | 2°19  | 21° 4  |
| T 27 | 6 41 43 | 10°57'13 | 14°58 | 22°22  | 24°36 | 0♌10  | 3°37  | 3° 7  | 29° 8 | 23°33 | 3°20 | 16°42  | 15°32 | 2°25  | 21°D 4 |
| W 28 | 6 45 39 | 11°58'21 | 28°49 | 23°49  | 25°32 | 0°56  | 3°49  | 3° 7  | 29°11 | 23°35 | 3°21 | 16°39  | 15°29 | 2°32  | 21° 4  |
| T 29 | 6 49 36 | 12°59'29 | 12♌48 | 25°16  | 26°29 | 1°42  | 4° 1  | 3° 6  | 29°14 | 23°37 | 3°22 | 16°D38 | 15°26 | 2°38  | 21° 4  |
| F 30 | 6 53 32 | 14° 0'35 | 26°54 | 26°44  | 27°26 | 2°28  | 4°13  | 3°D 6 | 29°16 | 23°39 | 3°23 | 16°39  | 15°23 | 2°45  | 21° 4  |
| S 31 | 6 57 29 | 15♌ 1'41 | 11♌ 6 | 28♌12  | 28♌24 | 3♌14  | 4♌25  | 3♌ 6  | 29°19 | 23°41 | 3♌24 | 16°R39 | 15♌20 | 2♌52  | 21°V 5 |

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