

SWISS EPHEMERIS for the year 2358

JANUARY 2358

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃      | ♅      | ♁      | ♄    | ♁      | ♁      | ♁     | ♁     | ♁     |
|------|---------|----------|-------|--------|-------|-------|--------|--------|--------|------|--------|--------|-------|-------|-------|
| W 1  | 6 41 3  | 9°58'15  | 1♎45  | 29♄46  | 24♎24 | 8♎33  | 21°R34 | 23°R41 | 15°R44 | 9♎20 | 15°R34 | 12°R13 | 11♄1  | 9♎51  | 15♎3  |
| T 2  | 6 45 0  | 10°59'21 | 14°36 | 0♎46   | 25°31 | 8°39  | 21♄26  | 23♄37  | 15♄43  | 9°20 | 15♄33  | 12♄7   | 10°58 | 9°58  | 15°5  |
| F 3  | 6 48 56 | 12° 0'28 | 27°42 | 1°40   | 26°39 | 8°44  | 21°18  | 23°32  | 15°42  | 9°21 | 15°33  | 12° 4  | 10°55 | 10° 5 | 15° 7 |
| S 4  | 6 52 53 | 13° 1'36 | 11♌5  | 2°27   | 27°46 | 8°48  | 21°10  | 23°27  | 15°41  | 9°21 | 15°32  | 12°D 3 | 10°52 | 10°11 | 15°10 |
| S 5  | 6 56 49 | 14° 2'43 | 24°47 | 3° 7   | 28°54 | 8°51  | 21° 2  | 23°22  | 15°40  | 9°22 | 15°32  | 12° 3  | 10°48 | 10°18 | 15°12 |
| M 6  | 7 0 46  | 15° 3'52 | 8♎50  | 3°38   | 0♎3   | 8°54  | 20°54  | 23°17  | 15°39  | 9°22 | 15°31  | 12°R 4 | 10°45 | 10°25 | 15°14 |
| T 7  | 7 4 42  | 16° 5'01 | 23°13 | 4° 1   | 1°11  | 8°56  | 20°46  | 23°12  | 15°38  | 9°23 | 15°31  | 12° 3  | 10°42 | 10°31 | 15°17 |
| W 8  | 7 8 39  | 17° 6'10 | 7♎54  | 4°13   | 2°19  | 8°57  | 20°38  | 23° 7  | 15°37  | 9°24 | 15°30  | 12° 1  | 10°39 | 10°38 | 15°19 |
| T 9  | 7 12 35 | 18° 7'20 | 22°50 | 4°R14  | 3°28  | 8°R58 | 20°30  | 23° 3  | 15°36  | 9°24 | 15°30  | 11°55  | 10°36 | 10°45 | 15°22 |
| F 10 | 7 16 32 | 19° 8'30 | 7♄51  | 4° 4   | 4°37  | 8°58  | 20°22  | 22°58  | 15°36  | 9°25 | 15°29  | 11°47  | 10°33 | 10°51 | 15°24 |
| S 11 | 7 20 29 | 20° 9'40 | 22°50 | 3°42   | 5°46  | 8°57  | 20°13  | 22°53  | 15°35  | 9°26 | 15°29  | 11°37  | 10°29 | 10°58 | 15°27 |
| S 12 | 7 24 25 | 21°10'50 | 7♎35  | 3° 8   | 6°55  | 8°55  | 20° 5  | 22°48  | 15°34  | 9°26 | 15°29  | 11°26  | 10°26 | 11° 5 | 15°30 |
| M13  | 7 28 22 | 22°12'00 | 22° 0 | 2°23   | 8° 4  | 8°52  | 19°57  | 22°43  | 15°34  | 9°27 | 15°28  | 11°15  | 10°23 | 11°11 | 15°32 |
| T 14 | 7 32 18 | 23°13'09 | 5♎59  | 1°27   | 9°14  | 8°49  | 19°49  | 22°38  | 15°33  | 9°28 | 15°28  | 11° 5  | 10°20 | 11°18 | 15°35 |
| W15  | 7 36 15 | 24°14'18 | 19°29 | 0°23   | 10°23 | 8°45  | 19°41  | 22°33  | 15°33  | 9°29 | 15°28  | 10°58  | 10°17 | 11°25 | 15°38 |
| T 16 | 7 40 11 | 25°15'27 | 2♎31  | 29♄11  | 11°33 | 8°40  | 19°33  | 22°28  | 15°32  | 9°30 | 15°27  | 10°54  | 10°13 | 11°31 | 15°41 |
| F 17 | 7 44 8  | 26°16'35 | 15° 8 | 27°53  | 12°43 | 8°34  | 19°25  | 22°23  | 15°32  | 9°31 | 15°27  | 10°51  | 10°10 | 11°38 | 15°44 |
| S 18 | 7 48 4  | 27°17'42 | 27°24 | 26°34  | 13°53 | 8°27  | 19°17  | 22°18  | 15°32  | 9°32 | 15°27  | 10°D51 | 10° 7 | 11°45 | 15°47 |
| S 19 | 7 52 1  | 28°18'49 | 9♄25  | 25°14  | 15° 3 | 8°20  | 19° 9  | 22°13  | 15°31  | 9°33 | 15°27  | 10°R51 | 10° 4 | 11°51 | 15°50 |
| M20  | 7 55 58 | 29°19'55 | 21°16 | 23°57  | 16°13 | 8°12  | 19° 1  | 22° 8  | 15°31  | 9°34 | 15°26  | 10°51  | 10° 1 | 11°58 | 15°53 |
| T 21 | 7 59 54 | 0♎21'01  | 3♎4   | 22°45  | 17°23 | 8° 3  | 18°53  | 22° 3  | 15°31  | 9°35 | 15°26  | 10°49  | 9°58  | 12° 5 | 15°56 |
| W22  | 8 3 51  | 1°22'06  | 14°51 | 21°39  | 18°34 | 7°53  | 18°46  | 21°58  | 15°31  | 9°36 | 15°26  | 10°44  | 9°54  | 12°11 | 15°59 |
| T 23 | 8 7 47  | 2°23'11  | 26°44 | 20°41  | 19°44 | 7°42  | 18°38  | 21°54  | 15°31  | 9°37 | 15°26  | 10°37  | 9°51  | 12°18 | 16° 2 |
| F 24 | 8 11 44 | 3°24'15  | 8♄45  | 19°52  | 20°55 | 7°31  | 18°30  | 21°49  | 15°D31 | 9°38 | 15°26  | 10°26  | 9°48  | 12°25 | 16° 5 |
| S 25 | 8 15 40 | 4°25'18  | 20°56 | 19°12  | 22° 6 | 7°19  | 18°23  | 21°44  | 15°31  | 9°39 | 15°26  | 10°14  | 9°45  | 12°31 | 16° 8 |
| S 26 | 8 19 37 | 5°26'21  | 3♎18  | 18°42  | 23°16 | 7° 6  | 18°15  | 21°39  | 15°31  | 9°40 | 15°26  | 10° 0  | 9°42  | 12°38 | 16°11 |
| M27  | 8 23 34 | 6°27'22  | 15°52 | 18°21  | 24°27 | 6°52  | 18° 8  | 21°35  | 15°31  | 9°42 | 15°25  | 9°45   | 9°39  | 12°45 | 16°15 |
| T 28 | 8 27 30 | 7°28'24  | 28°38 | 18° 8  | 25°38 | 6°37  | 18° 1  | 21°30  | 15°31  | 9°43 | 15°25  | 9°32   | 9°35  | 12°51 | 16°18 |
| W29  | 8 31 27 | 8°29'24  | 11♎35 | 18°D 5 | 26°50 | 6°22  | 17°54  | 21°25  | 15°31  | 9°44 | 15°25  | 9°21   | 9°32  | 12°58 | 16°21 |
| T 30 | 8 35 23 | 9°30'25  | 24°43 | 18°10  | 28° 1 | 6° 6  | 17°46  | 21°21  | 15°32  | 9°45 | 15°D25 | 9°12   | 9°29  | 13° 5 | 16°25 |
| F 31 | 8 39 20 | 10°31'24 | 8♌1   | 18♄22  | 29♎12 | 5♎49  | 17♄39  | 21♄16  | 15♄32  | 9♎47 | 15♄25  | 9♄7    | 9♄26  | 13♎11 | 16♎28 |

Delta T = 14m37s

FEBRUARY 2358

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃      | ♅      | ♁     | ♄     | ♁     | ♁     | ♁    | ♁     | ♁     |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|------|-------|-------|
| S 1  | 8 43 16  | 11°32'23 | 21♌31 | 18♄41 | 0♄23  | 5°R32 | 17°R33 | 21°R12 | 15♄32 | 9♎48  | 15♄25 | 9°R 4 | 9♄23 | 13♎18 | 16♎31 |
| S 2  | 8 47 13  | 12°33'22 | 5♎13  | 19° 6 | 1°35  | 5♎14  | 17♄26  | 21♄ 7  | 15°33 | 9°50  | 15°26 | 9♄ 4  | 9°19 | 13°25 | 16°35 |
| M 3  | 8 51 9   | 13°34'20 | 19° 7 | 19°37 | 2°46  | 4°55  | 17°19  | 21° 3  | 15°33 | 9°51  | 15°26 | 9° 4  | 9°16 | 13°31 | 16°38 |
| T 4  | 8 55 6   | 14°35'17 | 3♎15  | 20°14 | 3°58  | 4°36  | 17°13  | 20°58  | 15°34 | 9°52  | 15°26 | 9° 3  | 9°13 | 13°38 | 16°42 |
| W 5  | 8 59 2   | 15°36'15 | 17°36 | 20°55 | 5°10  | 4°16  | 17° 6  | 20°54  | 15°35 | 9°54  | 15°26 | 9° 0  | 9°10 | 13°45 | 16°45 |
| T 6  | 9 2 59   | 16°37'11 | 2♄ 6  | 21°41 | 6°21  | 3°56  | 17° 0  | 20°50  | 15°35 | 9°55  | 15°26 | 8°54  | 9° 7 | 13°51 | 16°49 |
| F 7  | 9 6 56   | 17°38'07 | 16°42 | 22°30 | 7°33  | 3°35  | 16°54  | 20°46  | 15°36 | 9°57  | 15°26 | 8°46  | 9° 4 | 13°58 | 16°53 |
| S 8  | 9 10 52  | 18°39'01 | 1♎17  | 23°23 | 8°45  | 3°13  | 16°48  | 20°42  | 15°37 | 9°58  | 15°26 | 8°35  | 9° 0 | 14° 5 | 16°56 |
| S 9  | 9 14 49  | 19°39'55 | 15°44 | 24°20 | 9°57  | 2°52  | 16°43  | 20°38  | 15°38 | 10° 0 | 15°27 | 8°23  | 8°57 | 14°11 | 17° 0 |
| M10  | 9 18 45  | 20°40'48 | 29°57 | 25°19 | 11° 9 | 2°29  | 16°37  | 20°34  | 15°38 | 10° 2 | 15°27 | 8°11  | 8°54 | 14°18 | 17° 4 |
| T 11 | 9 22 42  | 21°41'39 | 13♎48 | 26°21 | 12°21 | 2° 7  | 16°31  | 20°30  | 15°39 | 10° 3 | 15°27 | 8° 0  | 8°51 | 14°25 | 17° 7 |
| W12  | 9 26 38  | 22°42'29 | 27°16 | 27°26 | 13°33 | 1°44  | 16°26  | 20°26  | 15°40 | 10° 5 | 15°27 | 7°51  | 8°48 | 14°31 | 17°11 |
| T 13 | 9 30 35  | 23°43'18 | 10♎19 | 28°33 | 14°45 | 1°20  | 16°21  | 20°22  | 15°41 | 10° 7 | 15°28 | 7°46  | 8°45 | 14°38 | 17°15 |
| F 14 | 9 34 32  | 24°44'06 | 22°58 | 29°42 | 15°58 | 0°57  | 16°16  | 20°19  | 15°42 | 10° 8 | 15°28 | 7°42  | 8°41 | 14°45 | 17°18 |
| S 15 | 9 38 28  | 25°44'52 | 5♄17  | 0♎53  | 17°10 | 0°33  | 16°11  | 20°15  | 15°44 | 10°10 | 15°28 | 7°D42 | 8°38 | 14°51 | 17°22 |
| S 16 | 9 42 25  | 26°45'36 | 17°21 | 2° 5  | 18°22 | 0° 9  | 16° 7  | 20°12  | 15°45 | 10°12 | 15°29 | 7°42  | 8°35 | 14°58 | 17°26 |
| M17  | 9 46 21  | 27°46'19 | 29°15 | 3°20  | 19°34 | 29♄45 | 16° 2  | 20° 8  | 15°46 | 10°14 | 15°29 | 7°R42 | 8°32 | 15° 5 | 17°30 |
| T 18 | 9 50 18  | 28°47'00 | 11♎4  | 4°36  | 20°47 | 29°21 | 15°58  | 20° 5  | 15°47 | 10°15 | 15°30 | 7°41  | 8°29 | 15°11 | 17°34 |
| W19  | 9 54 14  | 29°47'40 | 22°53 | 5°54  | 21°59 | 28°58 | 15°54  | 20° 2  | 15°49 | 10°17 | 15°30 | 7°38  | 8°25 | 15°18 | 17°37 |
| T 20 | 9 58 11  | 0♎48'18  | 4♄48  | 7°13  | 23°12 | 28°34 | 15°50  | 19°59  | 15°50 | 10°19 | 15°30 | 7°33  | 8°22 | 15°25 | 17°41 |
| F 21 | 10 2 7   | 1°48'55  | 16°54 | 8°33  | 24°24 | 28°10 | 15°46  | 19°56  | 15°51 | 10°21 | 15°31 | 7°25  | 8°19 | 15°31 | 17°45 |
| S 22 | 10 6 4   | 2°49'30  | 29°12 | 9°55  | 25°37 | 27°46 | 15°43  | 19°53  | 15°53 | 10°23 | 15°31 | 7°15  | 8°16 | 15°38 | 17°49 |
| S 23 | 10 10 1  | 3°50'03  | 11♎46 | 11°17 | 26°49 | 27°23 | 15°39  | 19°50  | 15°54 | 10°25 | 15°32 | 7° 4  | 8°13 | 15°45 | 17°53 |
| M24  | 10 13 57 | 4°50'35  | 24°36 | 12°42 | 28° 2 | 26°59 | 15°36  | 19°47  | 15°56 | 10°27 | 15°33 | 6°52  | 8°10 | 15°51 | 17°57 |
| T 25 | 10 17 54 | 5°51'05  | 7♎41  | 14° 7 | 29°15 | 26°36 | 15°33  | 19°44  | 15°58 | 10°29 | 15°33 | 6°41  | 8° 6 | 15°58 | 18° 1 |
| W26  | 10 21 50 | 6°51'34  | 21° 1 | 15°33 | 0♎27  | 26°13 | 15°31  | 19°42  | 15°59 | 10°31 | 15°34 | 6°32  | 8° 3 | 16° 5 | 18° 5 |
| T 27 | 10 25 47 | 7°52'01  | 4♄33  | 17° 1 | 1°40  | 25°51 | 15°28  | 19°39  | 16° 1 | 10°32 | 15°34 | 6°25  | 8° 0 | 16°11 | 18° 9 |
| F 28 | 10 29 43 | 8°52'26  | 18♌15 | 18♎29 | 2♎53  | 25♄29 | 15♄26  | 19♄37  | 16♄ 3 | 10♎34 | 15♄35 | 6♄22  | 7♄57 | 16♎18 | 18♎13 |

Delta T = 14m37s

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SWISS EPHEMERIS for the year 2358

MARCH 2358

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂      | ♃      | ♅      | ♁     | ♄     | ♁     | ♁     | ♁    | ♁     | ♁     |
|------|----------|----------|-------|-------|-------|--------|--------|--------|-------|-------|-------|-------|------|-------|-------|
| S 1  | 10 33 40 | 9♂52'50  | 2♂ 4  | 19♁59 | 4♁ 6  | 25°R 7 | 15°R23 | 19°R35 | 16♁ 4 | 10♂36 | 15♁35 | 6°D20 | 7♁54 | 16♂25 | 18♂17 |
| S 2  | 10 37 36 | 10°53'13 | 16° 1 | 21°29 | 5°19  | 24♂46  | 15♁21  | 19♁32  | 16° 6 | 10°38 | 15°36 | 6♁20  | 7°50 | 16°31 | 18°20 |
| M 3  | 10 41 33 | 11°53'35 | 0♁ 2  | 23° 1 | 6°32  | 24°26  | 15°20  | 19°30  | 16° 8 | 10°41 | 15°37 | 6°21  | 7°47 | 16°38 | 18°24 |
| T 4  | 10 45 29 | 12°53'55 | 14° 8 | 24°34 | 7°44  | 24° 5  | 15°18  | 19°28  | 16°10 | 10°43 | 15°38 | 6°R22 | 7°44 | 16°45 | 18°28 |
| W 5  | 10 49 26 | 13°54'14 | 28°17 | 26° 7 | 8°57  | 23°46  | 15°17  | 19°27  | 16°12 | 10°45 | 15°38 | 6°21  | 7°41 | 16°52 | 18°32 |
| T 6  | 10 53 23 | 14°54'32 | 12♁28 | 27°42 | 10°10 | 23°27  | 15°15  | 19°25  | 16°14 | 10°47 | 15°39 | 6°18  | 7°38 | 16°58 | 18°36 |
| F 7  | 10 57 19 | 15°54'48 | 26°38 | 29°18 | 11°23 | 23° 8  | 15°14  | 19°23  | 16°16 | 10°49 | 15°40 | 6°12  | 7°35 | 17° 5 | 18°40 |
| S 8  | 11 1 16  | 16°55'03 | 10♁45 | 0♁55  | 12°36 | 22°51  | 15°14  | 19°22  | 16°18 | 10°51 | 15°40 | 6° 5  | 7°31 | 17°12 | 18°44 |
| S 9  | 11 5 12  | 17°55'15 | 24°44 | 2°33  | 13°49 | 22°33  | 15°13  | 19°20  | 16°20 | 10°53 | 15°41 | 5°57  | 7°28 | 17°18 | 18°48 |
| M10  | 11 9 9   | 18°55'27 | 8♁31  | 4°11  | 15° 3 | 22°17  | 15°12  | 19°19  | 16°22 | 10°55 | 15°42 | 5°49  | 7°25 | 17°25 | 18°52 |
| T 11 | 11 13 5  | 19°55'36 | 22° 2 | 5°51  | 16°16 | 22° 1  | 15°12  | 19°18  | 16°25 | 10°57 | 15°43 | 5°41  | 7°22 | 17°32 | 18°56 |
| W12  | 11 17 2  | 20°55'44 | 5♂15  | 7°32  | 17°29 | 21°46  | 15°D12 | 19°17  | 16°27 | 11° 0 | 15°44 | 5°36  | 7°19 | 17°38 | 19° 0 |
| T 13 | 11 20 58 | 21°55'49 | 18° 9 | 9°15  | 18°42 | 21°32  | 15°12  | 19°16  | 16°29 | 11° 2 | 15°45 | 5°32  | 7°16 | 17°45 | 19° 4 |
| F 14 | 11 24 55 | 22°55'53 | 0♁44  | 10°58 | 19°55 | 21°18  | 15°13  | 19°15  | 16°32 | 11° 4 | 15°45 | 5°D30 | 7°12 | 17°52 | 19° 8 |
| S 15 | 11 28 52 | 23°55'55 | 13° 2 | 12°42 | 21° 8 | 21° 6  | 15°13  | 19°14  | 16°34 | 11° 6 | 15°46 | 5°30  | 7° 9 | 17°58 | 19°12 |
| S 16 | 11 32 48 | 24°55'55 | 25° 6 | 14°27 | 22°21 | 20°54  | 15°14  | 19°13  | 16°36 | 11° 8 | 15°47 | 5°32  | 7° 6 | 18° 5 | 19°16 |
| M17  | 11 36 45 | 25°55'52 | 7♂ 1  | 16°14 | 23°35 | 20°42  | 15°15  | 19°13  | 16°39 | 11°10 | 15°48 | 5°33  | 7° 3 | 18°12 | 19°20 |
| T 18 | 11 40 41 | 26°55'48 | 18°51 | 18° 2 | 24°48 | 20°32  | 15°16  | 19°12  | 16°41 | 11°13 | 15°49 | 5°35  | 7° 0 | 18°18 | 19°24 |
| W19  | 11 44 38 | 27°55'41 | 0♁42  | 19°51 | 26° 1 | 20°22  | 15°18  | 19°12  | 16°44 | 11°15 | 15°50 | 5°R35 | 6°56 | 18°25 | 19°28 |
| T 20 | 11 48 34 | 28°55'32 | 12°38 | 21°41 | 27°14 | 20°14  | 15°19  | 19°12  | 16°46 | 11°17 | 15°51 | 5°34  | 6°53 | 18°32 | 19°32 |
| F 21 | 11 52 31 | 29°55'21 | 24°45 | 23°32 | 28°27 | 20° 6  | 15°21  | 19°D12 | 16°49 | 11°19 | 15°52 | 5°31  | 6°50 | 18°38 | 19°36 |
| S 22 | 11 56 27 | 0♂55'08  | 7♂ 6  | 25°24 | 29°41 | 19°58  | 15°23  | 19°12  | 16°52 | 11°22 | 15°53 | 5°27  | 6°47 | 18°45 | 19°40 |
| S 23 | 12 0 24  | 1°54'53  | 19°45 | 27°18 | 0♁54  | 19°52  | 15°25  | 19°12  | 16°54 | 11°24 | 15°54 | 5°22  | 6°44 | 18°52 | 19°44 |
| M24  | 12 4 21  | 2°54'35  | 2♂44  | 29°12 | 2° 7  | 19°46  | 15°27  | 19°12  | 16°57 | 11°26 | 15°55 | 5°16  | 6°41 | 18°58 | 19°48 |
| T 25 | 12 8 17  | 3°54'15  | 16° 4 | 1°Y 8 | 3°21  | 19°41  | 15°30  | 19°12  | 17° 0 | 11°28 | 15°56 | 5°11  | 6°37 | 19° 5 | 19°52 |
| W26  | 12 12 14 | 4°53'53  | 29°43 | 3° 5  | 4°34  | 19°37  | 15°32  | 19°13  | 17° 2 | 11°31 | 15°57 | 5° 7  | 6°34 | 19°12 | 19°55 |
| T 27 | 12 16 10 | 5°53'29  | 13♁38 | 5° 3  | 5°47  | 19°34  | 15°35  | 19°13  | 17° 5 | 11°33 | 15°58 | 5° 4  | 6°31 | 19°18 | 19°59 |
| F 28 | 12 20 7  | 6°53'03  | 27°47 | 7° 2  | 7° 1  | 19°31  | 15°38  | 19°14  | 17° 8 | 11°35 | 15°59 | 5° 2  | 6°28 | 19°25 | 20° 3 |
| S 29 | 12 24 3  | 7°52'35  | 12♂ 4 | 9° 2  | 8°14  | 19°29  | 15°42  | 19°15  | 17°11 | 11°37 | 16° 0 | 5°D 2 | 6°25 | 19°32 | 20° 7 |
| S 30 | 12 28 0  | 8°52'06  | 26°26 | 11° 2 | 9°27  | 19°28  | 15°45  | 19°16  | 17°14 | 11°40 | 16° 2 | 5° 3  | 6°22 | 19°38 | 20°11 |
| M31  | 12 31 56 | 9♂51'35  | 10♁47 | 13♂ 3 | 10♁41 | 19°D28 | 15♁49  | 19♁17  | 17♁16 | 11♂42 | 16♁ 3 | 5♁ 5  | 6♁18 | 19♂45 | 20♁15 |

Delta T = 14m37s

APRIL 2358

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁     | ♄     | ♁     | ♁     | ♁    | ♁     | ♁     |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| T 1  | 12 35 53 | 10♂51'02 | 25♁ 6 | 15♂ 5 | 11♁54 | 19♂28 | 15♁52 | 19♁18 | 17♁19 | 11♂44 | 16♁ 4 | 5♁ 6  | 6♁15 | 19♂52 | 20♁18 |
| W 2  | 12 39 50 | 11°50'27 | 9♁18  | 17° 7 | 13° 7 | 19°29 | 15°56 | 19°19 | 17°22 | 11°46 | 16° 5 | 5°R 7 | 6°12 | 19°59 | 20°22 |
| T 3  | 12 43 46 | 12°49'51 | 23°22 | 19° 9 | 14°21 | 19°31 | 16° 0 | 19°20 | 17°25 | 11°49 | 16° 6 | 5° 6  | 6° 9 | 20° 5 | 20°26 |
| F 4  | 12 47 43 | 13°49'13 | 7♁17  | 21°11 | 15°34 | 19°34 | 16° 5 | 19°22 | 17°28 | 11°51 | 16° 7 | 5° 5  | 6° 6 | 20°12 | 20°30 |
| S 5  | 12 51 39 | 14°48'33 | 21° 1 | 23°13 | 16°48 | 19°37 | 16° 9 | 19°23 | 17°31 | 11°53 | 16° 9 | 5° 3  | 6° 2 | 20°19 | 20°33 |
| S 6  | 12 55 36 | 15°47'52 | 4♁34  | 25°14 | 18° 1 | 19°41 | 16°14 | 19°25 | 17°34 | 11°56 | 16°10 | 5° 0  | 5°59 | 20°25 | 20°37 |
| M 7  | 12 59 32 | 16°47'08 | 17°53 | 27°14 | 19°14 | 19°45 | 16°19 | 19°27 | 17°37 | 11°58 | 16°11 | 4°57  | 5°56 | 20°32 | 20°41 |
| T 8  | 13 3 29  | 17°46'22 | 0♂59  | 29°13 | 20°28 | 19°50 | 16°24 | 19°29 | 17°41 | 12° 0 | 16°12 | 4°55  | 5°53 | 20°39 | 20°44 |
| W 9  | 13 7 25  | 18°45'35 | 13°50 | 1♁ 9  | 21°41 | 19°56 | 16°29 | 19°31 | 17°44 | 12° 2 | 16°13 | 4°53  | 5°50 | 20°45 | 20°48 |
| T 10 | 13 11 22 | 19°44'46 | 26°27 | 3° 4  | 22°55 | 20° 3 | 16°34 | 19°33 | 17°47 | 12° 5 | 16°15 | 4°52  | 5°47 | 20°52 | 20°52 |
| F 11 | 13 15 19 | 20°43'54 | 8♁51  | 4°56  | 24° 8 | 20°10 | 16°39 | 19°35 | 17°50 | 12° 7 | 16°16 | 4°D52 | 5°43 | 20°59 | 20°55 |
| S 12 | 13 19 15 | 21°43'01 | 21° 2 | 6°45  | 25°22 | 20°18 | 16°45 | 19°37 | 17°53 | 12° 9 | 16°17 | 4°53  | 5°40 | 21° 5 | 20°59 |
| S 13 | 13 23 12 | 22°42'05 | 3♂ 3  | 8°31  | 26°35 | 20°26 | 16°51 | 19°40 | 17°56 | 12°11 | 16°18 | 4°54  | 5°37 | 21°12 | 21° 2 |
| M14  | 13 27 8  | 23°41'07 | 14°57 | 10°14 | 27°49 | 20°35 | 16°57 | 19°42 | 18° 0 | 12°14 | 16°20 | 4°55  | 5°34 | 21°19 | 21° 6 |
| T 15 | 13 31 5  | 24°40'07 | 26°48 | 11°52 | 29° 2 | 20°45 | 17° 3 | 19°45 | 18° 3 | 12°16 | 16°21 | 4°56  | 5°31 | 21°25 | 21° 9 |
| W16  | 13 35 1  | 25°39'05 | 8♁39  | 13°26 | 0♂16  | 20°55 | 17° 9 | 19°48 | 18° 6 | 12°18 | 16°22 | 4°57  | 5°28 | 21°32 | 21°13 |
| T 17 | 13 38 58 | 26°38'01 | 20°35 | 14°56 | 1°29  | 21° 6 | 17°15 | 19°50 | 18° 9 | 12°20 | 16°23 | 4°57  | 5°24 | 21°39 | 21°16 |
| F 18 | 13 42 54 | 27°36'54 | 2♂40  | 16°21 | 2°42  | 21°17 | 17°22 | 19°53 | 18°13 | 12°23 | 16°25 | 4°R57 | 5°21 | 21°45 | 21°20 |
| S 19 | 13 46 51 | 28°35'45 | 15° 0 | 17°40 | 3°56  | 21°29 | 17°29 | 19°56 | 18°16 | 12°25 | 16°26 | 4°57  | 5°18 | 21°52 | 21°23 |
| S 20 | 13 50 48 | 29°34'34 | 27°38 | 18°55 | 5° 9  | 21°41 | 17°36 | 19°59 | 18°19 | 12°27 | 16°27 | 4°56  | 5°15 | 21°59 | 21°26 |
| M21  | 13 54 44 | 0♁33'20  | 10♂38 | 20° 4 | 6°23  | 21°54 | 17°42 | 20° 3 | 18°23 | 12°29 | 16°29 | 4°56  | 5°12 | 22° 6 | 21°30 |
| T 22 | 13 58 41 | 1°32'04  | 24° 1 | 21° 8 | 7°36  | 22° 7 | 17°50 | 20° 6 | 18°26 | 12°31 | 16°30 | 4°55  | 5° 8 | 22°12 | 21°33 |
| W23  | 14 2 37  | 2°30'47  | 7♁49  | 22° 6 | 8°50  | 22°21 | 17°57 | 20° 9 | 18°29 | 12°34 | 16°31 | 4°55  | 5° 5 | 22°19 | 21°36 |
| T 24 | 14 6 34  | 3°29'27  | 22° 0 | 22°58 | 10° 3 | 22°36 | 18° 4 | 20°13 | 18°33 | 12°36 | 16°33 | 4°55  | 5° 2 | 22°26 | 21°39 |
| F 25 | 14 10 30 | 4°28'05  | 6♂129 | 23°45 | 11°17 | 22°51 | 18°12 | 20°16 | 18°36 | 12°38 | 16°34 | 4°55  | 4°59 | 22°32 | 21°42 |
| S 26 | 14 14 27 | 5°26'41  | 21°12 | 24°25 | 12°30 | 23° 6 | 18°19 | 20°20 | 18°39 | 12°40 | 16°35 | 4°55  | 4°56 | 22°39 | 21°45 |
| S 27 | 14 18 23 | 6°25'15  | 6♁ 1  | 25° 0 | 13°44 | 23°22 | 18°27 | 20°24 | 18°43 | 12°42 | 16°37 | 4°55  | 4°53 | 22°46 | 21°49 |
| M28  | 14 22 20 | 7°23'48  | 20°49 | 25°29 | 14°57 | 23°38 | 18°35 | 20°28 | 18°46 | 12°44 | 16°38 | 4°54  | 4°49 | 22°52 | 21°52 |
| T 29 | 14 26 17 | 8°22'19  | 5♁29  | 25°52 | 16°10 | 23°54 | 18°43 | 20°32 | 18°50 | 12°46 | 16°39 | 4°54  | 4°46 | 22°59 | 21°55 |
| W30  | 14 30 13 | 9♁20'49  | 19♁55 | 26♁ 8 | 17♂24 | 24♂11 | 18♁51 | 20♁36 | 18♁53 | 12♂48 | 16♁41 | 4♁54  | 4♁43 | 23♂ 6 | 21♁58 |

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SWISS EPHEMERIS for the year 2358

MAY 2358

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♅     | ♁     | ♄     | ♁     | ♁     | ♁    | ♁     | ♁     |
|------|----------|----------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|
| T 1  | 14 34 10 | 10♈19'17 | 4♋6   | 26♈19  | 18♈37 | 24♈29 | 19♁0  | 20♁40 | 18♈56 | 12♈50 | 16♈42 | 4°D54 | 4♈40 | 23♈12 | 22♈1  |
| F 2  | 14 38 6  | 11°17'43 | 17°57 | 26°R24 | 19°51 | 24°47 | 19° 8 | 20°44 | 19° 0 | 12°53 | 16°43 | 4♈54  | 4°37 | 23°19 | 22° 3 |
| S 3  | 14 42 3  | 12°16'08 | 1♋30  | 26°24  | 21° 4 | 25° 5 | 19°17 | 20°48 | 19° 3 | 12°55 | 16°45 | 4°54  | 4°33 | 23°26 | 22° 6 |
| S 4  | 14 45 59 | 13°14'31 | 14°45 | 26°18  | 22°18 | 25°24 | 19°25 | 20°53 | 19° 7 | 12°57 | 16°46 | 4°55  | 4°30 | 23°32 | 22° 9 |
| M 5  | 14 49 56 | 14°12'52 | 27°44 | 26° 7  | 23°31 | 25°43 | 19°34 | 20°57 | 19°10 | 12°59 | 16°47 | 4°55  | 4°27 | 23°39 | 22°12 |
| T 6  | 14 53 52 | 15°11'12 | 10♈28 | 25°51  | 24°45 | 26° 2 | 19°43 | 21° 2 | 19°14 | 13° 1 | 16°49 | 4°56  | 4°24 | 23°46 | 22°15 |
| W 7  | 14 57 49 | 16° 9'31 | 22°59 | 25°31  | 25°58 | 26°22 | 19°52 | 21° 7 | 19°17 | 13° 3 | 16°50 | 4°57  | 4°21 | 23°53 | 22°17 |
| T 8  | 15 1 46  | 17° 7'47 | 5♈18  | 25° 6  | 27°12 | 26°42 | 20° 1 | 21°11 | 19°21 | 13° 5 | 16°52 | 4°R57 | 4°18 | 23°59 | 22°20 |
| F 9  | 15 5 42  | 18° 6'02 | 17°28 | 24°38  | 28°25 | 27° 3 | 20°10 | 21°16 | 19°24 | 13° 7 | 16°53 | 4°57  | 4°14 | 24° 6 | 22°23 |
| S 10 | 15 9 39  | 19° 4'16 | 29°30 | 24° 7  | 29°39 | 27°24 | 20°20 | 21°21 | 19°27 | 13° 8 | 16°54 | 4°56  | 4°11 | 24°13 | 22°25 |
| S 11 | 15 13 35 | 20° 2'27 | 11♈26 | 23°33  | 0♁52  | 27°45 | 20°29 | 21°26 | 19°31 | 13°10 | 16°56 | 4°54  | 4° 8 | 24°19 | 22°28 |
| M12  | 15 17 32 | 21° 0'37 | 23°18 | 22°58  | 2° 6  | 28° 6 | 20°39 | 21°31 | 19°34 | 13°12 | 16°57 | 4°52  | 4° 5 | 24°26 | 22°30 |
| T13  | 15 21 28 | 21°58'46 | 5♁8   | 22°21  | 3°19  | 28°28 | 20°48 | 21°36 | 19°38 | 13°14 | 16°58 | 4°49  | 4° 2 | 24°33 | 22°33 |
| W14  | 15 25 25 | 22°56'52 | 16°59 | 21°44  | 4°33  | 28°51 | 20°58 | 21°41 | 19°41 | 13°16 | 17° 0 | 4°46  | 3°59 | 24°39 | 22°35 |
| T15  | 15 29 21 | 23°54'56 | 28°55 | 21° 7  | 5°46  | 29°13 | 21° 8 | 21°47 | 19°45 | 13°18 | 17° 1 | 4°44  | 3°55 | 24°46 | 22°37 |
| F16  | 15 33 18 | 24°52'59 | 11♈0  | 20°31  | 6°59  | 29°36 | 21°18 | 21°52 | 19°48 | 13°20 | 17° 2 | 4°43  | 3°52 | 24°53 | 22°40 |
| S17  | 15 37 15 | 25°50'59 | 23°17 | 19°56  | 8°13  | 29°59 | 21°28 | 21°57 | 19°52 | 13°21 | 17° 4 | 4°D42 | 3°49 | 24°59 | 22°42 |
| S18  | 15 41 11 | 26°48'58 | 5♈51  | 19°23  | 9°26  | 0♈22  | 21°38 | 22° 3 | 19°55 | 13°23 | 17° 5 | 4°42  | 3°46 | 25° 6 | 22°44 |
| M19  | 15 45 8  | 27°46'55 | 18°46 | 18°52  | 10°40 | 0°46  | 21°48 | 22° 8 | 19°59 | 13°25 | 17° 7 | 4°43  | 3°43 | 25°13 | 22°46 |
| T20  | 15 49 4  | 28°44'50 | 2♁5   | 18°25  | 11°53 | 1°10  | 21°59 | 22°14 | 20° 2 | 13°27 | 17° 8 | 4°45  | 3°39 | 25°20 | 22°48 |
| W21  | 15 53 1  | 29°42'44 | 15°51 | 18° 1  | 13° 7 | 1°34  | 22° 9 | 22°20 | 20° 5 | 13°28 | 17° 9 | 4°46  | 3°36 | 25°26 | 22°50 |
| T22  | 15 56 57 | 0♈40'35  | 0♈4   | 17°41  | 14°20 | 1°59  | 22°20 | 22°25 | 20° 9 | 13°30 | 17°11 | 4°R47 | 3°33 | 25°33 | 22°52 |
| F23  | 16 0 54  | 1°38'25  | 14°41 | 17°24  | 15°34 | 2°24  | 22°30 | 22°31 | 20°12 | 13°32 | 17°12 | 4°47  | 3°30 | 25°40 | 22°54 |
| S24  | 16 4 50  | 2°36'14  | 29°38 | 17°12  | 16°47 | 2°49  | 22°41 | 22°37 | 20°16 | 13°33 | 17°13 | 4°45  | 3°27 | 25°46 | 22°56 |
| S25  | 16 8 47  | 3°34'01  | 14♈46 | 17° 4  | 18° 0 | 3°14  | 22°52 | 22°43 | 20°19 | 13°35 | 17°14 | 4°42  | 3°24 | 25°53 | 22°58 |
| M26  | 16 12 44 | 4°31'47  | 29°56 | 17°D 1 | 19°14 | 3°40  | 23° 3 | 22°49 | 20°23 | 13°37 | 17°16 | 4°39  | 3°20 | 26° 0 | 23° 0 |
| T27  | 16 16 40 | 5°29'32  | 14♁57 | 17° 2  | 20°27 | 4° 5  | 23°14 | 22°55 | 20°26 | 13°38 | 17°17 | 4°34  | 3°17 | 26° 6 | 23° 2 |
| W28  | 16 20 37 | 6°27'16  | 29°43 | 17° 8  | 21°41 | 4°31  | 23°25 | 23° 1 | 20°29 | 13°40 | 17°18 | 4°30  | 3°14 | 26°13 | 23° 3 |
| T29  | 16 24 33 | 7°24'58  | 14♁6  | 17°18  | 22°54 | 4°58  | 23°36 | 23° 7 | 20°33 | 13°41 | 17°20 | 4°27  | 3°11 | 26°20 | 23° 5 |
| F30  | 16 28 30 | 8°22'39  | 28° 5 | 17°33  | 24° 8 | 5°24  | 23°47 | 23°14 | 20°36 | 13°43 | 17°21 | 4°25  | 3° 8 | 26°26 | 23° 7 |
| S31  | 16 32 26 | 9♈20'20  | 11♈37 | 17♁52  | 25♁21 | 5♈51  | 23♁58 | 23♁20 | 20♁39 | 13♈44 | 17♁22 | 4°D25 | 3♁5  | 26♈33 | 23♈8  |

Delta T = 14m38s

JUNE 2358

00:00 UT

| Day | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁     | ♄     | ♁     | ♁     | ♁    | ♁     | ♁      |
|-----|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|
| S 1 | 16 36 23 | 10♈17'59 | 24♈46 | 18♈16 | 26♈35 | 6♈18  | 24♁9  | 23♁26 | 20♈43 | 13♈46 | 17♈24 | 4♈26  | 3♈1  | 26♈40 | 23♈10  |
| M 2 | 16 40 19 | 11°15'38 | 7♈34  | 18°44 | 27°48 | 6°45  | 24°21 | 23°33 | 20°46 | 13°47 | 17°25 | 4°27  | 2°58 | 26°47 | 23°11  |
| T 3 | 16 44 16 | 12°13'15 | 20° 4 | 19°16 | 29° 2 | 7°12  | 24°32 | 23°39 | 20°49 | 13°49 | 17°26 | 4°29  | 2°55 | 26°53 | 23°13  |
| W 4 | 16 48 13 | 13°10'52 | 2♈21  | 19°52 | 0♈15  | 7°40  | 24°44 | 23°46 | 20°52 | 13°50 | 17°27 | 4°R29 | 2°52 | 27° 0 | 23°14  |
| T 5 | 16 52 9  | 14° 8'27 | 14°27 | 20°32 | 1°29  | 8° 8  | 24°55 | 23°52 | 20°56 | 13°51 | 17°29 | 4°29  | 2°49 | 27° 7 | 23°15  |
| F 6 | 16 56 6  | 15° 6'02 | 26°26 | 21°16 | 2°42  | 8°36  | 25° 7 | 23°59 | 20°59 | 13°53 | 17°30 | 4°27  | 2°45 | 27°13 | 23°16  |
| S 7 | 17 0 2   | 16° 3'36 | 8♈20  | 22° 3 | 3°56  | 9° 4  | 25°19 | 24° 6 | 21° 2 | 13°54 | 17°31 | 4°22  | 2°42 | 27°20 | 23°18  |
| S 8 | 17 3 59  | 17° 1'09 | 20°12 | 22°55 | 5° 9  | 9°32  | 25°31 | 24°12 | 21° 5 | 13°55 | 17°32 | 4°16  | 2°39 | 27°27 | 23°19  |
| M 9 | 17 7 55  | 17°58'40 | 2♁2   | 23°49 | 6°23  | 10° 1 | 25°42 | 24°19 | 21° 9 | 13°57 | 17°33 | 4° 9  | 2°36 | 27°33 | 23°20  |
| T10 | 17 11 52 | 18°56'11 | 13°53 | 24°48 | 7°36  | 10°30 | 25°54 | 24°26 | 21°12 | 13°58 | 17°35 | 4° 0  | 2°33 | 27°40 | 23°21  |
| W11 | 17 15 48 | 19°53'41 | 25°47 | 25°49 | 8°50  | 10°59 | 26° 6 | 24°33 | 21°15 | 13°59 | 17°36 | 3°52  | 2°30 | 27°47 | 23°22  |
| T12 | 17 19 45 | 20°51'09 | 7♈46  | 26°54 | 10° 3 | 11°28 | 26°18 | 24°40 | 21°18 | 14° 0 | 17°37 | 3°44  | 2°26 | 27°54 | 23°23  |
| F13 | 17 23 42 | 21°48'36 | 19°52 | 28° 2 | 11°17 | 11°57 | 26°31 | 24°47 | 21°21 | 14° 1 | 17°38 | 3°38  | 2°23 | 28° 0 | 23°23  |
| S14 | 17 27 38 | 22°46'03 | 2♈10  | 29°13 | 12°30 | 12°27 | 26°43 | 24°54 | 21°24 | 14° 2 | 17°39 | 3°34  | 2°20 | 28° 7 | 23°24  |
| S15 | 17 31 35 | 23°43'28 | 14°42 | 0♈28  | 13°44 | 12°56 | 26°55 | 25° 1 | 21°27 | 14° 3 | 17°41 | 3°32  | 2°17 | 28°14 | 23°25  |
| M16 | 17 35 31 | 24°40'51 | 27°32 | 1°45  | 14°57 | 13°26 | 27° 7 | 25° 8 | 21°30 | 14° 4 | 17°42 | 3°D32 | 2°14 | 28°20 | 23°26  |
| T17 | 17 39 28 | 25°38'14 | 10♁45 | 3° 6  | 16°11 | 13°56 | 27°19 | 25°15 | 21°33 | 14° 5 | 17°43 | 3°32  | 2°11 | 28°27 | 23°26  |
| W18 | 17 43 24 | 26°35'36 | 24°23 | 4°29  | 17°24 | 14°26 | 27°32 | 25°22 | 21°36 | 14° 6 | 17°44 | 3°33  | 2° 7 | 28°34 | 23°27  |
| T19 | 17 47 21 | 27°32'57 | 8♈28  | 5°56  | 18°38 | 14°57 | 27°44 | 25°29 | 21°39 | 14° 7 | 17°45 | 3°R33 | 2° 4 | 28°40 | 23°27  |
| F20 | 17 51 17 | 28°30'17 | 23° 0 | 7°25  | 19°51 | 15°27 | 27°57 | 25°36 | 21°42 | 14° 8 | 17°46 | 3°32  | 2° 1 | 28°47 | 23°28  |
| S21 | 17 55 14 | 29°27'36 | 7♁56  | 8°57  | 21° 5 | 15°58 | 28° 9 | 25°44 | 21°45 | 14° 9 | 17°47 | 3°28  | 1°58 | 28°54 | 23°28  |
| S22 | 17 59 11 | 0♈24'54  | 23° 7 | 10°33 | 22°18 | 16°29 | 28°22 | 25°51 | 21°48 | 14°10 | 17°48 | 3°22  | 1°55 | 29° 1 | 23°28  |
| M23 | 18 3 7   | 1°22'12  | 8♁26  | 12°11 | 23°32 | 17° 0 | 28°34 | 25°58 | 21°51 | 14°11 | 17°49 | 3°15  | 1°51 | 29° 7 | 23°29  |
| T24 | 18 7 4   | 2°19'29  | 23°40 | 13°52 | 24°46 | 17°31 | 28°47 | 26° 5 | 21°54 | 14°12 | 17°50 | 3° 6  | 1°48 | 29°14 | 23°29  |
| W25 | 18 11 0  | 3°16'46  | 8♁39  | 15°36 | 25°59 | 18° 2 | 29° 0 | 26°13 | 21°57 | 14°12 | 17°51 | 2°58  | 1°45 | 29°21 | 23°29  |
| T26 | 18 14 57 | 4°14'02  | 23°15 | 17°22 | 27°13 | 18°34 | 29°12 | 26°20 | 21°59 | 14°13 | 17°52 | 2°51  | 1°42 | 29°27 | 23°29  |
| F27 | 18 18 53 | 5°11'18  | 7♈23  | 19°12 | 28°26 | 19° 5 | 29°25 | 26°28 | 22° 2 | 14°14 | 17°53 | 2°45  | 1°39 | 29°34 | 23°R29 |
| S28 | 18 22 50 | 6° 8'34  | 21° 1 | 21° 4 | 29°40 | 19°37 | 29°38 | 26°35 | 22° 5 | 14°14 | 17°54 | 2°42  | 1°36 | 29°41 | 23°29  |
| S29 | 18 26 47 | 7° 5'50  | 4♈12  | 22°58 | 0♁54  | 20° 9 | 29°51 | 26°43 | 22° 7 | 14°15 | 17°55 | 2°D41 | 1°32 | 29°47 | 23°29  |
| M30 | 18 30 43 | 8♁3'05   | 16♈57 | 24♈55 | 2♁7   | 20♈41 | 0♈3   | 26♁50 | 22♁10 | 14♈16 | 17♁56 | 2♁42  | 1♁29 | 29♈54 | 23♈29  |

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SWISS EPHEMERIS for the year 2358

JULY 2358

00:00 UT

| Day  | Sid.t    | ☉                    | ☽                  | ♀                  | ♁                  | ♂                  | ♃                 | ♄                  | ♅                  | ♆                  | ♇                  | ♈                  | ♉                  | ♊                 | ♋                  | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|---|---|---|---|---|---|---|---|
| T 1  | 18 34 40 | 9 <sup>56</sup> 0'21 | 29 <sup>Υ</sup> 23 | 26 <sup>Π</sup> 55 | 3 <sup>Ξ</sup> 21  | 21 <sup>♁</sup> 13 | 0 <sup>♁</sup> 16 | 26 <sup>Ξ</sup> 58 | 22 <sup>♁</sup> 13 | 14 <sup>Υ</sup> 16 | 17 <sup>♁</sup> 57 | 2°R42              | 1 <sup>♁</sup> 26  | 0 <sup>Ξ</sup> 1  | 23°R29             |   |   |   |   |   |   |   |   |
| W 2  | 18 38 36 | 9°57'36              | 11 <sup>♁</sup> 33 | 28°56              | 4°34               | 21°45              | 0°29              | 27°5               | 22°15              | 14°17              | 17°58              | 2 <sup>♁</sup> 42  | 1°23               | 0°8               | 23 <sup>♁</sup> 28 |   |   |   |   |   |   |   |   |
| T 3  | 18 42 33 | 10°54'31             | 23°33              | 1 <sup>Ξ</sup> 0   | 5°48               | 22°17              | 0°42              | 27°13              | 22°18              | 14°17              | 17°59              | 2°40               | 1°20               | 0°14              | 23°28              |   |   |   |   |   |   |   |   |
| F 4  | 18 46 29 | 11°52'07             | 5 <sup>Π</sup> 26  | 3°5                | 7°2                | 22°50              | 0°55              | 27°20              | 22°20              | 14°18              | 18°0               | 2°35               | 1°17               | 0°21              | 23°28              |   |   |   |   |   |   |   |   |
| S 5  | 18 50 26 | 12°49'22             | 17°16              | 5°12               | 8°15               | 23°23              | 1°8               | 27°28              | 22°23              | 14°18              | 18°1               | 2°28               | 1°13               | 0°28              | 23°27              |   |   |   |   |   |   |   |   |
| S 6  | 18 54 22 | 13°46'37             | 29°6               | 7°21               | 9°29               | 23°55              | 1°21              | 27°36              | 22°25              | 14°19              | 18°1               | 2°18               | 1°10               | 0°34              | 23°27              |   |   |   |   |   |   |   |   |
| M 7  | 18 58 19 | 14°43'52             | 10 <sup>Ξ</sup> 57 | 9°30               | 10°43              | 24°28              | 1°34              | 27°43              | 22°28              | 14°19              | 18°2               | 2°7                | 1°7                | 0°41              | 23°26              |   |   |   |   |   |   |   |   |
| T 8  | 19 2 16  | 15°41'07             | 22°52              | 11°40              | 11°56              | 25°1               | 1°47              | 27°51              | 22°30              | 14°19              | 18°3               | 1°54               | 1°4                | 0°48              | 23°26              |   |   |   |   |   |   |   |   |
| W 9  | 19 6 12  | 16°38'22             | 4 <sup>♁</sup> 52  | 13°50              | 13°10              | 25°34              | 2°1               | 27°59              | 22°33              | 14°20              | 18°4               | 1°41               | 1°1                | 0°55              | 23°25              |   |   |   |   |   |   |   |   |
| T 10 | 19 10 9  | 17°35'36             | 16°58              | 16°1               | 14°24              | 26°8               | 2°14              | 28°6               | 22°35              | 14°20              | 18°5               | 1°29               | 0°57               | 1°1               | 23°24              |   |   |   |   |   |   |   |   |
| F 11 | 19 14 5  | 18°32'51             | 29°12              | 18°12              | 15°38              | 26°41              | 2°27              | 28°14              | 22°37              | 14°20              | 18°5               | 1°19               | 0°54               | 1°8               | 23°24              |   |   |   |   |   |   |   |   |
| S 12 | 19 18 2  | 19°30'05             | 11 <sup>♁</sup> 36 | 20°22              | 16°51              | 27°15              | 2°40              | 28°22              | 22°39              | 14°20              | 18°6               | 1°11               | 0°51               | 1°15              | 23°23              |   |   |   |   |   |   |   |   |
| S 13 | 19 21 58 | 20°27'19             | 24°11              | 22°31              | 18°5               | 27°48              | 2°53              | 28°29              | 22°42              | 14°21              | 18°7               | 1°6                | 0°48               | 1°21              | 23°22              |   |   |   |   |   |   |   |   |
| M 14 | 19 25 55 | 21°24'32             | 7 <sup>♁</sup> 3   | 24°40              | 19°19              | 28°22              | 3°6               | 28°37              | 22°44              | 14°21              | 18°8               | 1°4                | 0°45               | 1°28              | 23°21              |   |   |   |   |   |   |   |   |
| T 15 | 19 29 51 | 22°21'46             | 20°12              | 26°48              | 20°33              | 28°56              | 3°20              | 28°45              | 22°46              | 14°21              | 18°8               | 1°D3               | 0°42               | 1°35              | 23°20              |   |   |   |   |   |   |   |   |
| W 16 | 19 33 48 | 23°18'59             | 3 <sup>♁</sup> 43  | 28°54              | 21°46              | 29°30              | 3°33              | 28°53              | 22°48              | 14°21              | 18°9               | 1°R3               | 0°38               | 1°41              | 23°19              |   |   |   |   |   |   |   |   |
| T 17 | 19 37 45 | 24°16'12             | 17°39              | 0 <sup>♁</sup> 59  | 23°0               | 0 <sup>♁</sup> 4   | 3°46              | 29°1               | 22°50              | 14°21              | 18°10              | 1°3                | 0°35               | 1°48              | 23°18              |   |   |   |   |   |   |   |   |
| F 18 | 19 41 41 | 25°13'25             | 1 <sup>♁</sup> 59  | 3°3                | 24°14              | 0°38               | 3°59              | 29°8               | 22°52              | 14°R21             | 18°10              | 1°0                | 0°32               | 1°55              | 23°17              |   |   |   |   |   |   |   |   |
| S 19 | 19 45 38 | 26°10'38             | 16°42              | 5°5                | 25°28              | 1°13               | 4°13              | 29°16              | 22°54              | 14°21              | 18°11              | 0°56               | 0°29               | 2°2               | 23°15              |   |   |   |   |   |   |   |   |
| S 20 | 19 49 34 | 27°7'52              | 1 <sup>♁</sup> 42  | 7°5                | 26°42              | 1°47               | 4°26              | 29°24              | 22°56              | 14°21              | 18°12              | 0°48               | 0°26               | 2°8               | 23°14              |   |   |   |   |   |   |   |   |
| M 21 | 19 53 31 | 28°5'05              | 16°53              | 9°4                | 27°55              | 2°22               | 4°39              | 29°32              | 22°58              | 14°21              | 18°12              | 0°39               | 0°23               | 2°15              | 23°13              |   |   |   |   |   |   |   |   |
| T 22 | 19 57 27 | 29°2'19              | 2 <sup>♁</sup> 4   | 11°1               | 29°9               | 2°56               | 4°53              | 29°39              | 23°0               | 14°21              | 18°13              | 0°28               | 0°19               | 2°22              | 23°12              |   |   |   |   |   |   |   |   |
| W 23 | 20 1 24  | 29°59'32             | 17°3               | 12°56              | 0 <sup>♁</sup> 23  | 3°31               | 5°6               | 29°47              | 23°2               | 14°21              | 18°13              | 0°17               | 0°16               | 2°28              | 23°10              |   |   |   |   |   |   |   |   |
| T 24 | 20 5 21  | 0 <sup>♁</sup> 56'47 | 1 <sup>♁</sup> 43  | 14°49              | 1°37               | 4°6                | 5°19              | 29°55              | 23°3               | 14°20              | 18°14              | 0°8                | 0°13               | 2°35              | 23°9               |   |   |   |   |   |   |   |   |
| F 25 | 20 9 17  | 1°54'01              | 15°56              | 16°41              | 2°51               | 4°41               | 5°33              | 0 <sup>♁</sup> 3   | 23°5               | 14°20              | 18°14              | 0°1                | 0°10               | 2°42              | 23°7               |   |   |   |   |   |   |   |   |
| S 26 | 20 13 14 | 2°51'17              | 29°40              | 18°31              | 4°5                | 5°16               | 5°46              | 0°11               | 23°7               | 14°20              | 18°15              | 29 <sup>Υ</sup> 56 | 0°7                | 2°49              | 23°6               |   |   |   |   |   |   |   |   |
| S 27 | 20 17 10 | 3°48'33              | 12 <sup>Υ</sup> 54 | 20°19              | 5°18               | 5°51               | 5°59              | 0°18               | 23°8               | 14°20              | 18°15              | 29°54              | 0°3                | 2°55              | 23°4               |   |   |   |   |   |   |   |   |
| M 28 | 20 21 7  | 4°45'49              | 2 <sup>♁</sup> 43  | 22°5               | 6°32               | 6°27               | 6°13              | 0°26               | 23°10              | 14°19              | 18°16              | 29°53              | 0°0                | 3°2               | 23°2               |   |   |   |   |   |   |   |   |
| T 29 | 20 25 3  | 5°43'07              | 8 <sup>♁</sup> 10  | 23°49              | 7°46               | 7°2                | 6°26              | 0°34               | 23°12              | 14°19              | 18°16              | 29°53              | 29 <sup>Υ</sup> 57 | 3°9               | 23°1               |   |   |   |   |   |   |   |   |
| W 30 | 20 29 0  | 6°40'26              | 20°20              | 25°31              | 9°0                | 7°38               | 6°39              | 0°42               | 23°13              | 14°19              | 18°17              | 29°52              | 29°54              | 3°15              | 22°59              |   |   |   |   |   |   |   |   |
| T 31 | 20 32 56 | 7 <sup>♁</sup> 37'45 | 2 <sup>Π</sup> 18  | 27 <sup>♁</sup> 12 | 10 <sup>♁</sup> 14 | 8 <sup>♁</sup> 13  | 6 <sup>♁</sup> 53 | 0 <sup>♁</sup> 49  | 23 <sup>♁</sup> 14 | 14 <sup>Υ</sup> 18 | 18 <sup>♁</sup> 17 | 29 <sup>Υ</sup> 50 | 29 <sup>Υ</sup> 51 | 3 <sup>Ξ</sup> 22 | 22 <sup>♁</sup> 57 |   |   |   |   |   |   |   |   |

Delta T = 14m38s

AUGUST 2358

00:00 UT

| Day  | Sid.t    | ☉                    | ☽                  | ♀                  | ♁                  | ♂                  | ♃                  | ♄                 | ♅                  | ♆                  | ♇                  | ♈                 | ♉                  | ♊                 | ♋                  | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|---|---|---|---|---|---|---|---|
| F 1  | 20 36 53 | 8 <sup>♁</sup> 35'05 | 14 <sup>Π</sup> 10 | 28 <sup>♁</sup> 51 | 11 <sup>♁</sup> 28 | 8 <sup>♁</sup> 49  | 7 <sup>♁</sup> 6   | 0 <sup>♁</sup> 57 | 23 <sup>♁</sup> 16 | 14°R18             | 18 <sup>♁</sup> 17 | 29°R46            | 29 <sup>Υ</sup> 48 | 3 <sup>Ξ</sup> 29 | 22°R55             |   |   |   |   |   |   |   |   |
| S 2  | 20 40 49 | 9°32'26              | 26°0               | 0 <sup>♁</sup> 28  | 12°42              | 9°25               | 7°19               | 1°5               | 23°17              | 14°Υ17             | 18°18              | 29°Υ39            | 29°44              | 3°35              | 22 <sup>♁</sup> 53 |   |   |   |   |   |   |   |   |
| S 3  | 20 44 46 | 10°29'48             | 7 <sup>Ξ</sup> 51  | 2°3                | 13°56              | 10°1               | 7°33               | 1°13              | 23°19              | 14°17              | 18°18              | 29°29             | 29°41              | 3°42              | 22°52              |   |   |   |   |   |   |   |   |
| M 4  | 20 48 43 | 11°27'11             | 19°46              | 3°37               | 15°10              | 10°37              | 7°46               | 1°20              | 23°20              | 14°16              | 18°18              | 29°18             | 29°38              | 3°49              | 22°50              |   |   |   |   |   |   |   |   |
| T 5  | 20 52 39 | 12°24'35             | 1 <sup>♁</sup> 47  | 5°9                | 16°24              | 11°13              | 7°59               | 1°28              | 23°21              | 14°16              | 18°19              | 29°5              | 29°35              | 3°56              | 22°48              |   |   |   |   |   |   |   |   |
| W 6  | 20 56 36 | 13°21'59             | 13°56              | 6°38               | 17°38              | 11°49              | 8°13               | 1°36              | 23°22              | 14°15              | 18°19              | 28°51             | 29°32              | 4°2               | 22°46              |   |   |   |   |   |   |   |   |
| T 7  | 21 0 32  | 14°19'25             | 26°14              | 8°7                | 18°52              | 12°25              | 8°26               | 1°43              | 23°23              | 14°15              | 18°19              | 28°39             | 29°29              | 4°9               | 22°43              |   |   |   |   |   |   |   |   |
| F 8  | 21 4 29  | 15°16'50             | 8 <sup>♁</sup> 41  | 9°33               | 20°6               | 13°2               | 8°39               | 1°51              | 23°25              | 14°14              | 18°19              | 28°29             | 29°25              | 4°16              | 22°41              |   |   |   |   |   |   |   |   |
| S 9  | 21 8 25  | 16°14'17             | 21°18              | 10°57              | 21°20              | 13°38              | 8°53               | 1°59              | 23°26              | 14°13              | 18°20              | 28°21             | 29°22              | 4°22              | 22°39              |   |   |   |   |   |   |   |   |
| S 10 | 21 12 22 | 17°11'44             | 4 <sup>♁</sup> 6   | 12°20              | 22°34              | 14°15              | 9°6                | 2°6               | 23°27              | 14°13              | 18°20              | 28°17             | 29°19              | 4°29              | 22°37              |   |   |   |   |   |   |   |   |
| M 11 | 21 16 18 | 18°9'12              | 17°6               | 13°40              | 23°48              | 14°51              | 9°19               | 2°14              | 23°27              | 14°12              | 18°20              | 28°14             | 29°16              | 4°36              | 22°35              |   |   |   |   |   |   |   |   |
| T 12 | 21 20 15 | 19°6'41              | 0 <sup>♁</sup> 22  | 14°59              | 25°2               | 15°28              | 9°32               | 2°21              | 23°28              | 14°11              | 18°20              | 28°D14            | 29°13              | 4°43              | 22°32              |   |   |   |   |   |   |   |   |
| W 13 | 21 24 12 | 20°4'11              | 13°53              | 16°15              | 26°16              | 16°5               | 9°46               | 2°29              | 23°29              | 14°10              | 18°20              | 28°R14            | 29°9               | 4°49              | 22°30              |   |   |   |   |   |   |   |   |
| T 14 | 21 28 8  | 21°1'41              | 27°43              | 17°30              | 27°30              | 16°42              | 9°59               | 2°37              | 23°30              | 14°9               | 18°20              | 28°14             | 29°6               | 4°56              | 22°28              |   |   |   |   |   |   |   |   |
| F 15 | 21 32 5  | 21°59'12             | 11 <sup>♁</sup> 52 | 18°42              | 28°44              | 17°19              | 10°12              | 2°44              | 23°31              | 14°9               | 18°20              | 28°13             | 29°3               | 5°3               | 22°25              |   |   |   |   |   |   |   |   |
| S 16 | 21 36 1  | 22°56'44             | 26°18              | 19°52              | 29°58              | 17°56              | 10°25              | 2°52              | 23°31              | 14°8               | 18°20              | 28°9              | 29°0               | 5°9               | 22°23              |   |   |   |   |   |   |   |   |
| S 17 | 21 39 58 | 23°54'16             | 11 <sup>♁</sup> 3  | 21°0               | 1 <sup>♁</sup> 12  | 18°33              | 10°38              | 2°59              | 23°32              | 14°7               | 18°20              | 28°3              | 28°57              | 5°16              | 22°20              |   |   |   |   |   |   |   |   |
| M 18 | 21 43 54 | 24°51'50             | 25°51              | 22°6               | 2°27               | 19°11              | 10°52              | 3°6               | 23°33              | 14°6               | 18°20              | 27°55             | 28°54              | 5°23              | 22°18              |   |   |   |   |   |   |   |   |
| T 19 | 21 47 51 | 25°49'24             | 10 <sup>♁</sup> 43 | 23°9               | 3°41               | 19°48              | 11°5               | 3°14              | 23°33              | 14°5               | 18°R20             | 27°46             | 28°50              | 5°30              | 22°15              |   |   |   |   |   |   |   |   |
| W 20 | 21 51 48 | 26°47'00             | 25°28              | 24°9               | 4°55               | 20°25              | 11°18              | 3°21              | 23°34              | 14°4               | 18°20              | 27°36             | 28°47              | 5°36              | 22°13              |   |   |   |   |   |   |   |   |
| T 21 | 21 55 44 | 27°44'36             | 9 <sup>♁</sup> 57  | 25°7               | 6°9                | 21°3               | 11°31              | 3°29              | 23°34              | 14°3               | 18°20              | 27°28             | 28°44              | 5°43              | 22°10              |   |   |   |   |   |   |   |   |
| F 22 | 21 59 41 | 28°42'14             | 24°5               | 26°2               | 7°23               | 21°41              | 11°44              | 3°36              | 23°35              | 14°2               | 18°20              | 27°22             | 28°41              | 5°50              | 22°8               |   |   |   |   |   |   |   |   |
| S 23 | 22 3 37  | 29°39'53             | 7 <sup>Υ</sup> 47  | 26°53              | 8°37               | 22°18              | 11°57              | 3°43              | 23°35              | 14°1               | 18°20              | 27°18             | 28°38              | 5°56              | 22°5               |   |   |   |   |   |   |   |   |
| S 24 | 22 7 34  | 0 <sup>♁</sup> 37'34 | 21°3               | 27°42              | 9°51               | 22°56              | 12°10              | 3°50              | 23°35              | 14°0               | 18°20              | 27°16             | 28°35              | 6°3               | 22°2               |   |   |   |   |   |   |   |   |
| M 25 | 22 11 30 | 1°35'16              | 3 <sup>♁</sup> 54  | 28°28              | 11°5               | 23°34              | 12°23              | 3°58              | 23°36              | 13°59              | 18°20              | 27°D16            | 28°31              | 6°10              | 22°0               |   |   |   |   |   |   |   |   |
| T 26 | 22 15 27 | 2°33'00              | 16°23              | 29°9               | 12°19              | 24°12              | 12°36              | 4°5               | 23°36              | 13°58              | 18°20              | 27°17             | 28°28              | 6°17              | 21°57              |   |   |   |   |   |   |   |   |
| W 27 | 22 19 23 | 3°30'45              | 28°36              | 29°48              | 13°33              | 24°50              | 12°49              | 4°12              | 23°36              | 13°56              | 18°20              | 27°R18            | 28°25              | 6°23              | 21°54              |   |   |   |   |   |   |   |   |
| T 28 | 22 23 20 | 4°28'32              | 10 <sup>Π</sup> 36 | 0 <sup>♁</sup> 22  | 14°48              | 25°28              | 13°1               | 4°19              | 23°36              | 13°55              | 18°20              | 27°18             | 28°22              | 6°30              | 21°52              |   |   |   |   |   |   |   |   |
| F 29 | 22 27 16 | 5°26'21              | 22°29              | 0°52               | 16°2               | 26°7               | 13°14              | 4°26              | 23°36              | 13°54              | 18°19              | 27°16             | 28°19              | 6°37              | 21°49              |   |   |   |   |   |   |   |   |
| S 30 | 22 31 13 | 6°24'11              | 4 <sup>Ξ</sup> 21  | 1°17               | 17°16              | 26°45              | 13°27              | 4°33              | 23°R36             | 13°53              | 18°19              | 27°13             | 28°15              | 6°43              | 21°46              |   |   |   |   |   |   |   |   |
| S 31 | 22 35 10 | 7 <sup>♁</sup> 22'03 | 16 <sup>Ξ</sup> 14 | 1 <sup>♁</sup> 38  | 18 <sup>♁</sup> 30 | 27 <sup>♁</sup> 23 | 13 <sup>♁</sup> 40 | 4 <sup>♁</sup> 40 | 23 <sup>♁</sup> 36 | 13 <sup>Υ</sup> 52 | 18 <sup>♁</sup> 19 | 27 <sup>Υ</sup> 7 | 28 <sup>Υ</sup> 12 | 6 <sup>Ξ</sup> 50 | 21 <sup>♁</sup> 43 |   |   |   |   |   |   |   |   |

Delta T = 14m39s

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SWISS EPHEMERIS for the year 2358

SEPTEMBER 2358

00:00 UT

| Day  | Sid.t    | ☉   | ☽                                | ♀                                | ♁                               | ♂                               | ♃                               | ♅                              | ♁                   | ♄                   | ♁                   | ♁                   | ♁                               | ♁                               | ♁                   |
|------|----------|---|----------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------------|---------------------------------|---------------------|
| M 1  | 22 39 6  | 8 <sup>h</sup> 19 <sup>m</sup> 57 <sup>s</sup>  | 28 <sup>°</sup> 13'              | 1 <sup>°</sup> 54'               | 19 <sup>h</sup> 44 <sup>m</sup> | 28 <sup>°</sup> 2'              | 13 <sup>h</sup> 53 <sup>m</sup> | 4 <sup>h</sup> 47 <sup>m</sup> | 23 <sup>h</sup> R36 | 13 <sup>h</sup> R50 | 18 <sup>h</sup> R19 | 26 <sup>h</sup> R59 | 28 <sup>h</sup> Y 9             | 6 <sup>h</sup> 57 <sup>m</sup>  | 21 <sup>h</sup> R40 |
| T 2  | 22 43 3  | 9 <sup>h</sup> 17 <sup>m</sup> 52 <sup>s</sup>  | 10 <sup>h</sup> 22 <sup>m</sup>  | 2 <sup>h</sup> 5'                | 20 <sup>h</sup> 58 <sup>m</sup> | 28 <sup>h</sup> 41 <sup>m</sup> | 14 <sup>h</sup> 5'              | 4 <sup>h</sup> 54 <sup>m</sup> | 23 <sup>h</sup> 36  | 13 <sup>h</sup> Y49 | 18 <sup>h</sup> 18  | 26 <sup>h</sup> Y51 | 28 <sup>h</sup> 6'              | 7 <sup>h</sup> 4'               | 21 <sup>h</sup> X38 |
| W 3  | 22 46 59 | 10 <sup>h</sup> 15 <sup>m</sup> 49 <sup>s</sup> | 22 <sup>h</sup> 41 <sup>m</sup>  | 2 <sup>h</sup> R11               | 22 <sup>h</sup> 13 <sup>m</sup> | 29 <sup>h</sup> 19 <sup>m</sup> | 14 <sup>h</sup> 18 <sup>m</sup> | 5 <sup>h</sup> 1'              | 23 <sup>h</sup> 36  | 13 <sup>h</sup> 48  | 18 <sup>h</sup> 18  | 26 <sup>h</sup> 42  | 28 <sup>h</sup> 3'              | 7 <sup>h</sup> 10 <sup>m</sup>  | 21 <sup>h</sup> 35  |
| T 4  | 22 50 56 | 11 <sup>h</sup> 13 <sup>m</sup> 48 <sup>s</sup> | 5 <sup>h</sup> 12 <sup>m</sup>   | 2 <sup>h</sup> 11 <sup>m</sup>   | 23 <sup>h</sup> 27 <sup>m</sup> | 29 <sup>h</sup> 58 <sup>m</sup> | 14 <sup>h</sup> 30 <sup>m</sup> | 5 <sup>h</sup> 8 <sup>m</sup>  | 23 <sup>h</sup> 35  | 13 <sup>h</sup> 46  | 18 <sup>h</sup> 18  | 26 <sup>h</sup> 34  | 28 <sup>h</sup> 0'              | 7 <sup>h</sup> 17 <sup>m</sup>  | 21 <sup>h</sup> 32  |
| F 5  | 22 54 52 | 12 <sup>h</sup> 11 <sup>m</sup> 48 <sup>s</sup> | 17 <sup>h</sup> 55 <sup>m</sup>  | 2 <sup>h</sup> 5'                | 24 <sup>h</sup> 41 <sup>m</sup> | 0 <sup>h</sup> 37 <sup>m</sup>  | 14 <sup>h</sup> 43 <sup>m</sup> | 5 <sup>h</sup> 15 <sup>m</sup> | 23 <sup>h</sup> 35  | 13 <sup>h</sup> 45  | 18 <sup>h</sup> 17  | 26 <sup>h</sup> 28  | 27 <sup>h</sup> 56 <sup>m</sup> | 7 <sup>h</sup> 24 <sup>m</sup>  | 21 <sup>h</sup> 29  |
| S 6  | 22 58 49 | 13 <sup>h</sup> 9 <sup>m</sup> 49 <sup>s</sup>  | 0 <sup>h</sup> 51 <sup>m</sup>   | 1 <sup>h</sup> 52 <sup>m</sup>   | 25 <sup>h</sup> 55 <sup>m</sup> | 1 <sup>h</sup> 16 <sup>m</sup>  | 14 <sup>h</sup> 55 <sup>m</sup> | 5 <sup>h</sup> 21 <sup>m</sup> | 23 <sup>h</sup> 35  | 13 <sup>h</sup> 44  | 18 <sup>h</sup> 17  | 26 <sup>h</sup> 23  | 27 <sup>h</sup> 53 <sup>m</sup> | 7 <sup>h</sup> 30 <sup>m</sup>  | 21 <sup>h</sup> 26  |
| S 7  | 23 2 45  | 14 <sup>h</sup> 7 <sup>m</sup> 52 <sup>s</sup>  | 13 <sup>h</sup> 59 <sup>m</sup>  | 1 <sup>h</sup> 34 <sup>m</sup>   | 27 <sup>h</sup> 9 <sup>m</sup>  | 1 <sup>h</sup> 55 <sup>m</sup>  | 15 <sup>h</sup> 8 <sup>m</sup>  | 5 <sup>h</sup> 28 <sup>m</sup> | 23 <sup>h</sup> 34  | 13 <sup>h</sup> 42  | 18 <sup>h</sup> 17  | 26 <sup>h</sup> 20  | 27 <sup>h</sup> 50 <sup>m</sup> | 7 <sup>h</sup> 37 <sup>m</sup>  | 21 <sup>h</sup> 23  |
| M 8  | 23 6 42  | 15 <sup>h</sup> 5 <sup>m</sup> 57 <sup>s</sup>  | 27 <sup>h</sup> 19 <sup>m</sup>  | 1 <sup>h</sup> 10 <sup>m</sup>   | 28 <sup>h</sup> 23 <sup>m</sup> | 2 <sup>h</sup> 34 <sup>m</sup>  | 15 <sup>h</sup> 20 <sup>m</sup> | 5 <sup>h</sup> 35 <sup>m</sup> | 23 <sup>h</sup> 34  | 13 <sup>h</sup> 41  | 18 <sup>h</sup> 16  | 26 <sup>h</sup> D19 | 27 <sup>h</sup> 47 <sup>m</sup> | 7 <sup>h</sup> 44 <sup>m</sup>  | 21 <sup>h</sup> 20  |
| T 9  | 23 10 39 | 16 <sup>h</sup> 4 <sup>m</sup> 03 <sup>s</sup>  | 10 <sup>h</sup> 50 <sup>m</sup>  | 0 <sup>h</sup> 39 <sup>m</sup>   | 29 <sup>h</sup> 38 <sup>m</sup> | 3 <sup>h</sup> 13 <sup>m</sup>  | 15 <sup>h</sup> 33 <sup>m</sup> | 5 <sup>h</sup> 41 <sup>m</sup> | 23 <sup>h</sup> 33  | 13 <sup>h</sup> 39  | 18 <sup>h</sup> 16  | 26 <sup>h</sup> 20  | 27 <sup>h</sup> 44 <sup>m</sup> | 7 <sup>h</sup> 51 <sup>m</sup>  | 21 <sup>h</sup> 17  |
| W10  | 23 14 35 | 17 <sup>h</sup> 2 <sup>m</sup> 10 <sup>s</sup>  | 24 <sup>h</sup> 33 <sup>m</sup>  | 0 <sup>h</sup> 3'                | 0 <sup>h</sup> 52 <sup>m</sup>  | 3 <sup>h</sup> 52 <sup>m</sup>  | 15 <sup>h</sup> 45 <sup>m</sup> | 5 <sup>h</sup> 48 <sup>m</sup> | 23 <sup>h</sup> 33  | 13 <sup>h</sup> 38  | 18 <sup>h</sup> 15  | 26 <sup>h</sup> 22  | 27 <sup>h</sup> 41 <sup>m</sup> | 7 <sup>h</sup> 57 <sup>m</sup>  | 21 <sup>h</sup> 14  |
| T 11 | 23 18 32 | 18 <sup>h</sup> 0 <sup>m</sup> 19 <sup>s</sup>  | 8 <sup>h</sup> 27 <sup>m</sup>   | 29 <sup>h</sup> 20 <sup>m</sup>  | 2 <sup>h</sup> 6 <sup>m</sup>   | 4 <sup>h</sup> 32 <sup>m</sup>  | 15 <sup>h</sup> 57 <sup>m</sup> | 5 <sup>h</sup> 54 <sup>m</sup> | 23 <sup>h</sup> 32  | 13 <sup>h</sup> 37  | 18 <sup>h</sup> 15  | 26 <sup>h</sup> 23  | 27 <sup>h</sup> 37 <sup>m</sup> | 8 <sup>h</sup> 4 <sup>m</sup>   | 21 <sup>h</sup> 11  |
| F 12 | 23 22 28 | 18 <sup>h</sup> 58 <sup>m</sup> 30 <sup>s</sup> | 22 <sup>h</sup> 33 <sup>m</sup>  | 28 <sup>h</sup> 33 <sup>m</sup>  | 3 <sup>h</sup> 20 <sup>m</sup>  | 5 <sup>h</sup> 11 <sup>m</sup>  | 16 <sup>h</sup> 9 <sup>m</sup>  | 6 <sup>h</sup> 1'              | 23 <sup>h</sup> 32  | 13 <sup>h</sup> 35  | 18 <sup>h</sup> 14  | 26 <sup>h</sup> R23 | 27 <sup>h</sup> 34 <sup>m</sup> | 8 <sup>h</sup> 11 <sup>m</sup>  | 21 <sup>h</sup> 9   |
| S 13 | 23 26 25 | 19 <sup>h</sup> 56 <sup>m</sup> 41 <sup>s</sup> | 6 <sup>h</sup> 38 <sup>m</sup>   | 27 <sup>h</sup> 41 <sup>m</sup>  | 4 <sup>h</sup> 34 <sup>m</sup>  | 5 <sup>h</sup> 51 <sup>m</sup>  | 16 <sup>h</sup> 21 <sup>m</sup> | 6 <sup>h</sup> 7 <sup>m</sup>  | 23 <sup>h</sup> 31  | 13 <sup>h</sup> 34  | 18 <sup>h</sup> 14  | 26 <sup>h</sup> 22  | 27 <sup>h</sup> 31 <sup>m</sup> | 8 <sup>h</sup> 17 <sup>m</sup>  | 21 <sup>h</sup> 6   |
| S 14 | 23 30 21 | 20 <sup>h</sup> 54 <sup>m</sup> 55 <sup>s</sup> | 21 <sup>h</sup> 10 <sup>m</sup>  | 26 <sup>h</sup> 45 <sup>m</sup>  | 5 <sup>h</sup> 49 <sup>m</sup>  | 6 <sup>h</sup> 30 <sup>m</sup>  | 16 <sup>h</sup> 33 <sup>m</sup> | 6 <sup>h</sup> 13 <sup>m</sup> | 23 <sup>h</sup> 30  | 13 <sup>h</sup> 32  | 18 <sup>h</sup> 13  | 26 <sup>h</sup> 19  | 27 <sup>h</sup> 28 <sup>m</sup> | 8 <sup>h</sup> 24 <sup>m</sup>  | 21 <sup>h</sup> 3   |
| M15  | 23 34 18 | 21 <sup>h</sup> 53 <sup>m</sup> 09 <sup>s</sup> | 5 <sup>h</sup> 36 <sup>m</sup>   | 25 <sup>h</sup> 47 <sup>m</sup>  | 7 <sup>h</sup> 3'               | 7 <sup>h</sup> 10 <sup>m</sup>  | 16 <sup>h</sup> 46 <sup>m</sup> | 6 <sup>h</sup> 20 <sup>m</sup> | 23 <sup>h</sup> 29  | 13 <sup>h</sup> 31  | 18 <sup>h</sup> 13  | 26 <sup>h</sup> 15  | 27 <sup>h</sup> 25 <sup>m</sup> | 8 <sup>h</sup> 31 <sup>m</sup>  | 21 <sup>h</sup> 0   |
| T 16 | 23 38 14 | 22 <sup>h</sup> 51 <sup>m</sup> 25 <sup>s</sup> | 20 <sup>h</sup> 2 <sup>m</sup>   | 24 <sup>h</sup> 47 <sup>m</sup>  | 8 <sup>h</sup> 17 <sup>m</sup>  | 7 <sup>h</sup> 50 <sup>m</sup>  | 16 <sup>h</sup> 57 <sup>m</sup> | 6 <sup>h</sup> 26 <sup>m</sup> | 23 <sup>h</sup> 29  | 13 <sup>h</sup> 29  | 18 <sup>h</sup> 12  | 26 <sup>h</sup> 10  | 27 <sup>h</sup> 21 <sup>m</sup> | 8 <sup>h</sup> 38 <sup>m</sup>  | 20 <sup>h</sup> 57  |
| W17  | 23 42 11 | 23 <sup>h</sup> 49 <sup>m</sup> 43 <sup>s</sup> | 4 <sup>h</sup> X21 <sup>m</sup>  | 23 <sup>h</sup> 46 <sup>m</sup>  | 9 <sup>h</sup> 31 <sup>m</sup>  | 8 <sup>h</sup> 30 <sup>m</sup>  | 17 <sup>h</sup> 9 <sup>m</sup>  | 6 <sup>h</sup> 32 <sup>m</sup> | 23 <sup>h</sup> 28  | 13 <sup>h</sup> 28  | 18 <sup>h</sup> 12  | 26 <sup>h</sup> 5   | 27 <sup>h</sup> 18 <sup>m</sup> | 8 <sup>h</sup> 44 <sup>m</sup>  | 20 <sup>h</sup> 54  |
| T 18 | 23 46 8  | 24 <sup>h</sup> 48 <sup>m</sup> 02 <sup>s</sup> | 18 <sup>h</sup> 28 <sup>m</sup>  | 22 <sup>h</sup> 47 <sup>m</sup>  | 10 <sup>h</sup> 45 <sup>m</sup> | 9 <sup>h</sup> 9 <sup>m</sup>   | 17 <sup>h</sup> 21 <sup>m</sup> | 6 <sup>h</sup> 38 <sup>m</sup> | 23 <sup>h</sup> 27  | 13 <sup>h</sup> 26  | 18 <sup>h</sup> 11  | 26 <sup>h</sup> 1   | 27 <sup>h</sup> 15 <sup>m</sup> | 8 <sup>h</sup> 51 <sup>m</sup>  | 20 <sup>h</sup> 51  |
| F 19 | 23 50 4  | 25 <sup>h</sup> 46 <sup>m</sup> 23 <sup>s</sup> | 2 <sup>h</sup> Y18 <sup>m</sup>  | 21 <sup>h</sup> 50 <sup>m</sup>  | 11 <sup>h</sup> 59 <sup>m</sup> | 9 <sup>h</sup> 49 <sup>m</sup>  | 17 <sup>h</sup> 33 <sup>m</sup> | 6 <sup>h</sup> 44 <sup>m</sup> | 23 <sup>h</sup> 26  | 13 <sup>h</sup> 24  | 18 <sup>h</sup> 10  | 25 <sup>h</sup> 58  | 27 <sup>h</sup> 12 <sup>m</sup> | 8 <sup>h</sup> 58 <sup>m</sup>  | 20 <sup>h</sup> 48  |
| S 20 | 23 54 1  | 26 <sup>h</sup> 44 <sup>m</sup> 46 <sup>s</sup> | 15 <sup>h</sup> 49 <sup>m</sup>  | 20 <sup>h</sup> 57 <sup>m</sup>  | 13 <sup>h</sup> 13 <sup>m</sup> | 10 <sup>h</sup> 30 <sup>m</sup> | 17 <sup>h</sup> 45 <sup>m</sup> | 6 <sup>h</sup> 50 <sup>m</sup> | 23 <sup>h</sup> 25  | 13 <sup>h</sup> 23  | 18 <sup>h</sup> 10  | 25 <sup>h</sup> 56  | 27 <sup>h</sup> 9 <sup>m</sup>  | 9 <sup>h</sup> 4 <sup>m</sup>   | 20 <sup>h</sup> 45  |
| S 21 | 23 57 57 | 27 <sup>h</sup> 43 <sup>m</sup> 11 <sup>s</sup> | 28 <sup>h</sup> 58 <sup>m</sup>  | 20 <sup>h</sup> 9 <sup>m</sup>   | 14 <sup>h</sup> 28 <sup>m</sup> | 11 <sup>h</sup> 10 <sup>m</sup> | 17 <sup>h</sup> 56 <sup>m</sup> | 6 <sup>h</sup> 56 <sup>m</sup> | 23 <sup>h</sup> 24  | 13 <sup>h</sup> 21  | 18 <sup>h</sup> 9   | 25 <sup>h</sup> D56 | 27 <sup>h</sup> 6 <sup>m</sup>  | 9 <sup>h</sup> 11 <sup>m</sup>  | 20 <sup>h</sup> 42  |
| M22  | 0 1 54   | 28 <sup>h</sup> 41 <sup>m</sup> 37 <sup>s</sup> | 11 <sup>h</sup> 34 <sup>m</sup>  | 19 <sup>h</sup> 28 <sup>m</sup>  | 15 <sup>h</sup> 42 <sup>m</sup> | 11 <sup>h</sup> 50 <sup>m</sup> | 18 <sup>h</sup> 8 <sup>m</sup>  | 7 <sup>h</sup> 2'              | 23 <sup>h</sup> 23  | 13 <sup>h</sup> 20  | 18 <sup>h</sup> 9   | 25 <sup>h</sup> 56  | 27 <sup>h</sup> 2 <sup>m</sup>  | 9 <sup>h</sup> 18 <sup>m</sup>  | 20 <sup>h</sup> 39  |
| T 23 | 0 5 50   | 29 <sup>h</sup> 40 <sup>m</sup> 06 <sup>s</sup> | 24 <sup>h</sup> 17 <sup>m</sup>  | 18 <sup>h</sup> 54 <sup>m</sup>  | 16 <sup>h</sup> 56 <sup>m</sup> | 12 <sup>h</sup> 30 <sup>m</sup> | 18 <sup>h</sup> 19 <sup>m</sup> | 7 <sup>h</sup> 7 <sup>m</sup>  | 23 <sup>h</sup> 22  | 13 <sup>h</sup> 18  | 18 <sup>h</sup> 8   | 25 <sup>h</sup> 58  | 26 <sup>h</sup> 59 <sup>m</sup> | 9 <sup>h</sup> 25 <sup>m</sup>  | 20 <sup>h</sup> 36  |
| W24  | 0 9 47   | 0 <sup>h</sup> 38 <sup>m</sup> 37 <sup>s</sup>  | 6 <sup>h</sup> II31 <sup>m</sup> | 18 <sup>h</sup> 28 <sup>m</sup>  | 18 <sup>h</sup> 10 <sup>m</sup> | 13 <sup>h</sup> 11 <sup>m</sup> | 18 <sup>h</sup> 31 <sup>m</sup> | 7 <sup>h</sup> 13 <sup>m</sup> | 23 <sup>h</sup> 20  | 13 <sup>h</sup> 16  | 18 <sup>h</sup> 7   | 26 <sup>h</sup> 0   | 26 <sup>h</sup> 56 <sup>m</sup> | 9 <sup>h</sup> 31 <sup>m</sup>  | 20 <sup>h</sup> 34  |
| T 25 | 0 13 43  | 1 <sup>h</sup> 37 <sup>m</sup> 11 <sup>s</sup>  | 18 <sup>h</sup> 33 <sup>m</sup>  | 18 <sup>h</sup> 11 <sup>m</sup>  | 19 <sup>h</sup> 24 <sup>m</sup> | 13 <sup>h</sup> 51 <sup>m</sup> | 18 <sup>h</sup> 42 <sup>m</sup> | 7 <sup>h</sup> 19 <sup>m</sup> | 23 <sup>h</sup> 19  | 13 <sup>h</sup> 15  | 18 <sup>h</sup> 6   | 26 <sup>h</sup> 1   | 26 <sup>h</sup> 53 <sup>m</sup> | 9 <sup>h</sup> 38 <sup>m</sup>  | 20 <sup>h</sup> 31  |
| F 26 | 0 17 40  | 2 <sup>h</sup> 35 <sup>m</sup> 46 <sup>s</sup>  | 0 <sup>h</sup> 28 <sup>m</sup>   | 18 <sup>h</sup> D 4 <sup>m</sup> | 20 <sup>h</sup> 38 <sup>m</sup> | 14 <sup>h</sup> 31 <sup>m</sup> | 18 <sup>h</sup> 53 <sup>m</sup> | 7 <sup>h</sup> 24 <sup>m</sup> | 23 <sup>h</sup> 18  | 13 <sup>h</sup> 13  | 18 <sup>h</sup> 6   | 26 <sup>h</sup> R 2 | 26 <sup>h</sup> 50 <sup>m</sup> | 9 <sup>h</sup> 45 <sup>m</sup>  | 20 <sup>h</sup> 28  |
| S 27 | 0 21 37  | 3 <sup>h</sup> 34 <sup>m</sup> 24 <sup>s</sup>  | 12 <sup>h</sup> 20 <sup>m</sup>  | 18 <sup>h</sup> 6 <sup>m</sup>   | 21 <sup>h</sup> 53 <sup>m</sup> | 15 <sup>h</sup> 12 <sup>m</sup> | 19 <sup>h</sup> 5 <sup>m</sup>  | 7 <sup>h</sup> 30 <sup>m</sup> | 23 <sup>h</sup> 17  | 13 <sup>h</sup> 12  | 18 <sup>h</sup> 5   | 26 <sup>h</sup> 1   | 26 <sup>h</sup> 46 <sup>m</sup> | 9 <sup>h</sup> 51 <sup>m</sup>  | 20 <sup>h</sup> 25  |
| S 28 | 0 25 33  | 4 <sup>h</sup> 33 <sup>m</sup> 03 <sup>s</sup>  | 24 <sup>h</sup> 15 <sup>m</sup>  | 18 <sup>h</sup> 18 <sup>m</sup>  | 23 <sup>h</sup> 7 <sup>m</sup>  | 15 <sup>h</sup> 53 <sup>m</sup> | 19 <sup>h</sup> 16 <sup>m</sup> | 7 <sup>h</sup> 35 <sup>m</sup> | 23 <sup>h</sup> 15  | 13 <sup>h</sup> 10  | 18 <sup>h</sup> 4   | 26 <sup>h</sup> 0   | 26 <sup>h</sup> 43 <sup>m</sup> | 9 <sup>h</sup> 58 <sup>m</sup>  | 20 <sup>h</sup> 22  |
| M29  | 0 29 30  | 5 <sup>h</sup> 31 <sup>m</sup> 45 <sup>s</sup>  | 6 <sup>h</sup> 16 <sup>m</sup>   | 18 <sup>h</sup> 40 <sup>m</sup>  | 24 <sup>h</sup> 21 <sup>m</sup> | 16 <sup>h</sup> 34 <sup>m</sup> | 19 <sup>h</sup> 27 <sup>m</sup> | 7 <sup>h</sup> 40 <sup>m</sup> | 23 <sup>h</sup> 14  | 13 <sup>h</sup> 8   | 18 <sup>h</sup> 3   | 25 <sup>h</sup> 58  | 26 <sup>h</sup> 40 <sup>m</sup> | 10 <sup>h</sup> 5 <sup>m</sup>  | 20 <sup>h</sup> 19  |
| T 30 | 0 33 26  | 6 <sup>h</sup> 30 <sup>m</sup> 29 <sup>s</sup>  | 18 <sup>h</sup> 29 <sup>m</sup>  | 19 <sup>h</sup> 12 <sup>m</sup>  | 25 <sup>h</sup> 35 <sup>m</sup> | 17 <sup>h</sup> 14 <sup>m</sup> | 19 <sup>h</sup> 38 <sup>m</sup> | 7 <sup>h</sup> 46 <sup>m</sup> | 23 <sup>h</sup> 12  | 13 <sup>h</sup> Y 7 | 18 <sup>h</sup> 3   | 25 <sup>h</sup> Y55 | 26 <sup>h</sup> Y37             | 10 <sup>h</sup> 12 <sup>m</sup> | 20 <sup>h</sup> X17 |

Delta T = 14m39s

OCTOBER 2358

00:00 UT

| Day  | Sid.t   | ☉   | ☽  | ♀                               | ♁                               | ♂                               | ♃                               | ♅                              | ♁                   | ♄                   | ♁                   | ♁                   | ♁                               | ♁                               | ♁                   |
|------|---------|---|--|---------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------------------|---------------------------------|---------------------|
| W 1  | 0 37 23 | 7 <sup>h</sup> 29 <sup>m</sup> 15 <sup>s</sup>  | 0 <sup>h</sup> 12 <sup>m</sup> 55 <sup>s</sup> | 19 <sup>h</sup> 52 <sup>m</sup> | 26 <sup>h</sup> 49 <sup>m</sup> | 17 <sup>h</sup> 55 <sup>m</sup> | 19 <sup>h</sup> 49 <sup>m</sup> | 7 <sup>h</sup> 51 <sup>m</sup> | 23 <sup>h</sup> R11 | 13 <sup>h</sup> R 5 | 18 <sup>h</sup> R 2 | 25 <sup>h</sup> R52 | 26 <sup>h</sup> Y34             | 10 <sup>h</sup> 18 <sup>m</sup> | 20 <sup>h</sup> R14 |
| T 2  | 0 41 19 | 8 <sup>h</sup> 28 <sup>m</sup> 03 <sup>s</sup>  | 13 <sup>h</sup> 36 <sup>m</sup>                | 20 <sup>h</sup> 41 <sup>m</sup> | 28 <sup>h</sup> 3'              | 18 <sup>h</sup> 36 <sup>m</sup> | 20 <sup>h</sup> 0 <sup>m</sup>  | 7 <sup>h</sup> 56 <sup>m</sup> | 23 <sup>h</sup> 9   | 13 <sup>h</sup> Y 3 | 18 <sup>h</sup> 1   | 25 <sup>h</sup> Y50 | 26 <sup>h</sup> 31 <sup>m</sup> | 10 <sup>h</sup> 25 <sup>m</sup> | 20 <sup>h</sup> X11 |
| F 3  | 0 45 16 | 9 <sup>h</sup> 26 <sup>m</sup> 54 <sup>s</sup>  | 26 <sup>h</sup> 35 <sup>m</sup>                | 21 <sup>h</sup> 37 <sup>m</sup> | 29 <sup>h</sup> 17 <sup>m</sup> | 19 <sup>h</sup> 17 <sup>m</sup> | 20 <sup>h</sup> 10 <sup>m</sup> | 8 <sup>h</sup> 1'              | 23 <sup>h</sup> 8   | 13 <sup>h</sup> 2   | 18 <sup>h</sup> 0   | 25 <sup>h</sup> 47  | 26 <sup>h</sup> 27 <sup>m</sup> | 10 <sup>h</sup> 32 <sup>m</sup> | 20 <sup>h</sup> 8   |
| S 4  | 0 49 12 | 10 <sup>h</sup> 25 <sup>m</sup> 46 <sup>s</sup> | 9 <sup>h</sup> 51 <sup>m</sup>                 | 22 <sup>h</sup> 41 <sup>m</sup> | 0 <sup>h</sup> 32 <sup>m</sup>  | 19 <sup>h</sup> 59 <sup>m</sup> | 20 <sup>h</sup> 21 <sup>m</sup> | 8 <sup>h</sup> 6 <sup>m</sup>  | 23 <sup>h</sup> 6   | 13 <sup>h</sup> 0   | 17 <sup>h</sup> 59  | 25 <sup>h</sup> 46  | 26 <sup>h</sup> 24 <sup>m</sup> | 10 <sup>h</sup> 38 <sup>m</sup> | 20 <sup>h</sup> 6   |
| S 5  | 0 53 9  | 11 <sup>h</sup> 24 <sup>m</sup> 40 <sup>s</sup> | 23 <sup>h</sup> 23 <sup>m</sup>                | 23 <sup>h</sup> 52 <sup>m</sup> | 1 <sup>h</sup> 46 <sup>m</sup>  | 20 <sup>h</sup> 40 <sup>m</sup> | 20 <sup>h</sup> 31 <sup>m</sup> | 8 <sup>h</sup> 11 <sup>m</sup> | 23 <sup>h</sup> 5   | 12 <sup>h</sup> 58  | 17 <sup>h</sup> 58  | 25 <sup>h</sup> D46 | 26 <sup>h</sup> 21 <sup>m</sup> | 10 <sup>h</sup> 45 <sup>m</sup> | 20 <sup>h</sup> 3   |
| M 6  | 0 57 6  | 12 <sup>h</sup> 23 <sup>m</sup> 37 <sup>s</sup> | 7 <sup>h</sup> 9 <sup>m</sup>                  | 25 <sup>h</sup> 9 <sup>m</sup>  | 3 <sup>h</sup> 0 <sup>m</sup>   | 21 <sup>h</sup> 21 <sup>m</sup> | 20 <sup>h</sup> 42 <sup>m</sup> | 8 <sup>h</sup> 16 <sup>m</sup> | 23 <sup>h</sup> 3   | 12 <sup>h</sup> 57  | 17 <sup>h</sup> 58  | 25 <sup>h</sup> 46  | 26 <sup>h</sup> 18 <sup>m</sup> | 10 <sup>h</sup> 52 <sup>m</sup> | 20 <sup>h</sup> 0   |
| T 7  | 1 1 2   | 13 <sup>h</sup> 22 <sup>m</sup> 35 <sup>s</sup> | 21 <sup>h</sup> 6 <sup>m</sup>                 | 26 <sup>h</sup> 31 <sup>m</sup> | 4 <sup>h</sup> 14 <sup>m</sup>  | 22 <sup>h</sup> 2 <sup>m</sup>  | 20 <sup>h</sup> 52 <sup>m</sup> | 8 <sup>h</sup> 20 <sup>m</sup> | 23 <sup>h</sup> 1   | 12 <sup>h</sup> 55  | 17 <sup>h</sup> 57  | 25 <sup>h</sup> 47  | 26 <sup>h</sup> 15 <sup>m</sup> | 10 <sup>h</sup> 59 <sup>m</sup> | 19 <sup>h</sup> 58  |
| W 8  | 1 4 59  | 14 <sup>h</sup> 21 <sup>m</sup> 35 <sup>s</sup> | 5 <sup>h</sup> X11 <sup>m</sup>                | 27 <sup>h</sup> 57 <sup>m</sup> | 5 <sup>h</sup> 28 <sup>m</sup>  | 22 <sup>h</sup> 44 <sup>m</sup> | 21 <sup>h</sup> 3 <sup>m</sup>  | 8 <sup>h</sup> 25 <sup>m</sup> | 22 <sup>h</sup> 59  | 12 <sup>h</sup> 53  | 17 <sup>h</sup> 56  | 25 <sup>h</sup> 48  | 26 <sup>h</sup> 12 <sup>m</sup> | 11 <sup>h</sup> 5 <sup>m</sup>  | 19 <sup>h</sup> 55  |
| T 9  | 1 8 55  | 15 <sup>h</sup> 20 <sup>m</sup> 37 <sup>s</sup> | 19 <sup>h</sup> 22 <sup>m</sup>                | 29 <sup>h</sup> 27 <sup>m</sup> | 6 <sup>h</sup> 42 <sup>m</sup>  | 23 <sup>h</sup> 25 <sup>m</sup> | 21 <sup>h</sup> 13 <sup>m</sup> | 8 <sup>h</sup> 30 <sup>m</sup> | 22 <sup>h</sup> 58  | 12 <sup>h</sup> 52  | 17 <sup>h</sup> 55  | 25 <sup>h</sup> 48  | 26 <sup>h</sup> 8 <sup>m</sup>  | 11 <sup>h</sup> 12 <sup>m</sup> | 19 <sup>h</sup> 53  |
| F 10 | 1 12 52 | 16 <sup>h</sup> 19 <sup>m</sup> 41 <sup>s</sup> | 3 <sup>h</sup> 35 <sup>m</sup>                 | 1 <sup>h</sup> 1 <sup>m</sup>   | 7 <sup>h</sup> 56 <sup>m</sup>  | 24 <sup>h</sup> 7 <sup>m</sup>  | 21 <sup>h</sup> 23 <sup>m</sup> | 8 <sup>h</sup> 34 <sup>m</sup> | 22 <sup>h</sup> 56  | 12 <sup>h</sup> 50  | 17 <sup>h</sup> 54  | 25 <sup>h</sup> 49  | 26 <sup>h</sup> 5 <sup>m</sup>  | 11 <sup>h</sup> 19 <sup>m</sup> | 19 <sup>h</sup> 50  |

SWISS EPHEMERIS for the year 2358

NOVEMBER 2358

00:00 UT

| Day | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄      | ♅      | ♆      | ♇      | ♈      | ♉      | ♊     | ♋      | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-----|---------|----------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|-------|--------|---|---|---|---|---|---|---|---|
| S 1 | 2 39 36 | 8♏ 7°09  | 18♌ 8 | 8♏33  | 5♊ 5  | 9♊40  | 24♏37 | 9♏49   | 22°R 8 | 12°R15 | 17°R31 | 25°Y49 | 24°Y55 | 13♌47 | 19°R 4 |   |   |   |   |   |   |   |   |
| S 2 | 2 43 32 | 9° 7'00  | 1♏59  | 10°12 | 6°19  | 10°24 | 24°44 | 9°51   | 22♌ 6  | 12°Y14 | 17♌30  | 25°R49 | 24°52  | 13°53 | 19♌ 2  |   |   |   |   |   |   |   |   |
| M 3 | 2 47 29 | 10° 6'52 | 16°10 | 11°50 | 7°32  | 11° 7 | 24°51 | 9°53   | 22° 4  | 12°12  | 17°29  | 25°48  | 24°49  | 14° 0 | 19° 1  |   |   |   |   |   |   |   |   |
| T 4 | 2 51 26 | 11° 6'46 | 0♊36  | 13°28 | 8°46  | 11°50 | 24°58 | 9°55   | 22° 1  | 12°11  | 17°28  | 25°47  | 24°46  | 14° 7 | 18°59  |   |   |   |   |   |   |   |   |
| W 5 | 2 55 22 | 12° 6'43 | 15°10 | 15° 6 | 10° 0 | 12°34 | 25° 5 | 9°57   | 21°59  | 12° 9  | 17°27  | 25°45  | 24°43  | 14°13 | 18°58  |   |   |   |   |   |   |   |   |
| T 6 | 2 59 19 | 13° 6'41 | 29°47 | 16°42 | 11°14 | 13°17 | 25°12 | 9°59   | 21°56  | 12° 8  | 17°26  | 25°43  | 24°39  | 14°20 | 18°56  |   |   |   |   |   |   |   |   |
| F 7 | 3 3 15  | 14° 6'41 | 14♌20 | 18°19 | 12°28 | 14° 1 | 25°19 | 10° 1  | 21°54  | 12° 7  | 17°25  | 25°40  | 24°36  | 14°27 | 18°55  |   |   |   |   |   |   |   |   |
| S 8 | 3 7 12  | 15° 6'42 | 28°45 | 19°55 | 13°42 | 14°45 | 25°25 | 10° 3  | 21°52  | 12° 5  | 17°23  | 25°39  | 24°33  | 14°34 | 18°54  |   |   |   |   |   |   |   |   |
| S 9 | 3 11 8  | 16° 6'45 | 12♌57 | 21°30 | 14°56 | 15°28 | 25°31 | 10° 4  | 21°49  | 12° 4  | 17°22  | 25°D38 | 24°30  | 14°40 | 18°52  |   |   |   |   |   |   |   |   |
| M10 | 3 15 5  | 17° 6'49 | 26°55 | 23° 5 | 16°10 | 16°12 | 25°38 | 10° 5  | 21°47  | 12° 3  | 17°21  | 25°38  | 24°27  | 14°47 | 18°51  |   |   |   |   |   |   |   |   |
| T11 | 3 19 2  | 18° 6'54 | 10♌38 | 24°40 | 17°24 | 16°56 | 25°44 | 10° 7  | 21°44  | 12° 1  | 17°20  | 25°39  | 24°24  | 14°54 | 18°50  |   |   |   |   |   |   |   |   |
| W12 | 3 22 58 | 19° 7'02 | 24° 6 | 26°14 | 18°37 | 17°40 | 25°50 | 10° 8  | 21°42  | 12° 0  | 17°19  | 25°41  | 24°20  | 15° 0 | 18°49  |   |   |   |   |   |   |   |   |
| T13 | 3 26 55 | 20° 7'10 | 7°Y19 | 27°48 | 19°51 | 18°24 | 25°55 | 10° 9  | 21°39  | 11°59  | 17°18  | 25°42  | 24°17  | 15° 7 | 18°48  |   |   |   |   |   |   |   |   |
| F14 | 3 30 51 | 21° 7'21 | 20°20 | 29°21 | 21° 5 | 19° 8 | 26° 1 | 10°10  | 21°37  | 11°58  | 17°17  | 25°R43 | 24°14  | 15°14 | 18°47  |   |   |   |   |   |   |   |   |
| S15 | 3 34 48 | 22° 7'33 | 3♌ 8  | 0♊54  | 22°19 | 19°52 | 26° 6 | 10°11  | 21°34  | 11°56  | 17°16  | 25°43  | 24°11  | 15°21 | 18°46  |   |   |   |   |   |   |   |   |
| S16 | 3 38 44 | 23° 7'46 | 15°45 | 2°27  | 23°32 | 20°36 | 26°12 | 10°11  | 21°32  | 11°55  | 17°14  | 25°42  | 24° 8  | 15°27 | 18°45  |   |   |   |   |   |   |   |   |
| M17 | 3 42 41 | 24° 8'02 | 28°10 | 3°59  | 24°46 | 21°20 | 26°17 | 10°12  | 21°29  | 11°54  | 17°13  | 25°39  | 24° 4  | 15°34 | 18°45  |   |   |   |   |   |   |   |   |
| T18 | 3 46 37 | 25° 8'19 | 10♏26 | 5°31  | 26° 0 | 22° 4 | 26°22 | 10°13  | 21°27  | 11°53  | 17°12  | 25°34  | 24° 1  | 15°41 | 18°44  |   |   |   |   |   |   |   |   |
| W19 | 3 50 34 | 26° 8'38 | 22°32 | 7° 3  | 27°14 | 22°49 | 26°26 | 10°13  | 21°24  | 11°52  | 17°11  | 25°29  | 23°58  | 15°48 | 18°43  |   |   |   |   |   |   |   |   |
| T20 | 3 54 31 | 27° 8'58 | 4♌31  | 8°34  | 28°27 | 23°33 | 26°31 | 10°13  | 21°22  | 11°51  | 17°10  | 25°23  | 23°55  | 15°54 | 18°43  |   |   |   |   |   |   |   |   |
| F21 | 3 58 27 | 28° 9'21 | 16°25 | 10° 5 | 29°41 | 24°18 | 26°35 | 10°13  | 21°19  | 11°50  | 17° 9  | 25°18  | 23°52  | 16° 1 | 18°42  |   |   |   |   |   |   |   |   |
| S22 | 4 2 24  | 29° 9'45 | 28°16 | 11°36 | 0♌55  | 25° 2 | 26°40 | 10°R13 | 21°17  | 11°49  | 17° 8  | 25°13  | 23°49  | 16° 8 | 18°42  |   |   |   |   |   |   |   |   |
| S23 | 4 6 20  | 0♊10'11  | 10♏ 9 | 13° 7 | 2° 8  | 25°47 | 26°44 | 10°13  | 21°14  | 11°48  | 17° 7  | 25° 9  | 23°45  | 16°14 | 18°41  |   |   |   |   |   |   |   |   |
| M24 | 4 10 17 | 1°10'39  | 22° 7 | 14°37 | 3°22  | 26°31 | 26°48 | 10°13  | 21°12  | 11°47  | 17° 6  | 25° 7  | 23°42  | 16°21 | 18°41  |   |   |   |   |   |   |   |   |
| T25 | 4 14 13 | 2°11'09  | 4♏14  | 16° 7 | 4°35  | 27°16 | 26°51 | 10°13  | 21°10  | 11°46  | 17° 5  | 25°D 6 | 23°39  | 16°28 | 18°41  |   |   |   |   |   |   |   |   |
| W26 | 4 18 10 | 3°11'40  | 16°37 | 17°36 | 5°49  | 28° 1 | 26°55 | 10°13  | 21° 7  | 11°45  | 17° 3  | 25° 7  | 23°36  | 16°35 | 18°40  |   |   |   |   |   |   |   |   |
| T27 | 4 22 6  | 4°12'14  | 29°19 | 19° 5 | 7° 3  | 28°46 | 26°58 | 10°12  | 21° 5  | 11°44  | 17° 2  | 25° 9  | 23°33  | 16°41 | 18°40  |   |   |   |   |   |   |   |   |
| F28 | 4 26 3  | 5°12'49  | 12♏24 | 20°34 | 8°16  | 29°31 | 27° 1 | 10°11  | 21° 2  | 11°43  | 17° 1  | 25°10  | 23°30  | 16°48 | 18°40  |   |   |   |   |   |   |   |   |
| S29 | 4 30 0  | 6°13'25  | 25°56 | 22° 2 | 9°30  | 0♌15  | 27° 4 | 10°11  | 21° 0  | 11°42  | 17° 0  | 25°R11 | 23°26  | 16°55 | 18°40  |   |   |   |   |   |   |   |   |
| S30 | 4 33 56 | 7°14'04  | 9♏55  | 23°30 | 10♌43 | 1♌ 0  | 27♏ 7 | 10♏10  | 20♌58  | 11°Y42 | 16♌59  | 25°Y10 | 23°Y23 | 17♌ 2 | 18°D40 |   |   |   |   |   |   |   |   |

Delta T = 14m40s

DECEMBER 2358

00:00 UT

| Day | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃      | ♄      | ♅      | ♆      | ♇      | ♈      | ♉      | ♊     | ♋     | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|-----|---------|----------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|---|---|---|---|---|---|---|---|
| M 1 | 4 37 53 | 8♊14'44  | 24♏21 | 24♊57  | 11♌57 | 1♌46  | 27♏10  | 10°R 9 | 20°R55 | 11°R41 | 16°R58 | 25°R 7 | 23°Y20 | 17♌ 8 | 18♌40 |   |   |   |   |   |   |   |   |
| T 2 | 4 41 49 | 9°15'25  | 9♊ 7  | 26°24  | 13°10 | 2°31  | 27°12  | 10♏ 8  | 20♌53  | 11°Y40 | 16♌57  | 25°Y 2 | 23°17  | 17°15 | 18°40 |   |   |   |   |   |   |   |   |
| W 3 | 4 45 46 | 10°16'08 | 24° 8 | 27°50  | 14°24 | 3°16  | 27°14  | 10° 7  | 20°51  | 11°40  | 16°56  | 24°55  | 23°14  | 17°22 | 18°40 |   |   |   |   |   |   |   |   |
| T 4 | 4 49 42 | 11°16'52 | 9♌12  | 29°15  | 15°37 | 4° 1  | 27°16  | 10° 5  | 20°48  | 11°39  | 16°55  | 24°48  | 23°10  | 17°28 | 18°41 |   |   |   |   |   |   |   |   |
| F 5 | 4 53 39 | 12°17'37 | 24°11 | 0♌40   | 16°50 | 4°46  | 27°18  | 10° 4  | 20°46  | 11°38  | 16°54  | 24°41  | 23° 7  | 17°35 | 18°41 |   |   |   |   |   |   |   |   |
| S 6 | 4 57 35 | 13°18'24 | 8♏56  | 2° 3   | 18° 4 | 5°32  | 27°20  | 10° 2  | 20°44  | 11°38  | 16°53  | 24°35  | 23° 4  | 17°42 | 18°41 |   |   |   |   |   |   |   |   |
| S 7 | 5 1 32  | 14°19'11 | 23°21 | 3°26   | 19°17 | 6°17  | 27°21  | 10° 1  | 20°42  | 11°37  | 16°52  | 24°30  | 23° 1  | 17°49 | 18°42 |   |   |   |   |   |   |   |   |
| M 8 | 5 5 29  | 15°19'59 | 7♌24  | 4°47   | 20°30 | 7° 3  | 27°23  | 9°59   | 20°39  | 11°37  | 16°51  | 24°28  | 22°58  | 17°55 | 18°42 |   |   |   |   |   |   |   |   |
| T 9 | 5 9 25  | 16°20'48 | 21° 3 | 6° 6   | 21°44 | 7°48  | 27°24  | 9°57   | 20°37  | 11°36  | 16°50  | 24°D28 | 22°55  | 18° 2 | 18°43 |   |   |   |   |   |   |   |   |
| W10 | 5 13 22 | 17°21'37 | 4°Y20 | 7°24   | 22°57 | 8°34  | 27°25  | 9°55   | 20°35  | 11°36  | 16°49  | 24°29  | 22°51  | 18° 9 | 18°43 |   |   |   |   |   |   |   |   |
| T11 | 5 17 18 | 18°22'28 | 17°19 | 8°40   | 24°10 | 9°19  | 27°25  | 9°53   | 20°33  | 11°35  | 16°48  | 24°30  | 22°48  | 18°15 | 18°44 |   |   |   |   |   |   |   |   |
| F12 | 5 21 15 | 19°23'19 | 0♌ 1  | 9°53   | 25°23 | 10° 5 | 27°26  | 9°51   | 20°31  | 11°35  | 16°47  | 24°R30 | 22°45  | 18°22 | 18°45 |   |   |   |   |   |   |   |   |
| S13 | 5 25 11 | 20°24'11 | 12°31 | 11° 4  | 26°36 | 10°50 | 27°26  | 9°49   | 20°29  | 11°34  | 16°46  | 24°28  | 22°42  | 18°29 | 18°45 |   |   |   |   |   |   |   |   |
| S14 | 5 29 8  | 21°25'04 | 24°51 | 12°11  | 27°49 | 11°36 | 27°R26 | 9°46   | 20°27  | 11°34  | 16°46  | 24°24  | 22°39  | 18°36 | 18°46 |   |   |   |   |   |   |   |   |
| M15 | 5 33 4  | 22°25'58 | 7♏ 2  | 13°15  | 29° 2 | 12°22 | 27°26  | 9°44   | 20°25  | 11°34  | 16°45  | 24°17  | 22°36  | 18°42 | 18°47 |   |   |   |   |   |   |   |   |
| T16 | 5 37 1  | 23°26'53 | 19° 7 | 14°15  | 0♏15  | 13° 8 | 27°26  | 9°41   | 20°23  | 11°33  | 16°44  | 24° 8  | 22°32  | 18°49 | 18°48 |   |   |   |   |   |   |   |   |
| W17 | 5 40 58 | 24°27'49 | 1♌ 7  | 15°10  | 1°28  | 13°54 | 27°25  | 9°39   | 20°21  | 11°33  | 16°43  | 23°56  | 22°29  | 18°56 | 18°49 |   |   |   |   |   |   |   |   |
| T18 | 5 44 54 | 25°28'46 | 13° 2 | 16° 0  | 2°41  | 14°40 | 27°25  | 9°36   | 20°19  | 11°33  | 16°42  | 23°44  | 22°26  | 19° 3 | 18°50 |   |   |   |   |   |   |   |   |
| F19 | 5 48 51 | 26°29'43 | 24°55 | 16°44  | 3°54  | 15°26 | 27°24  | 9°33   | 20°17  | 11°33  | 16°41  | 23°31  | 22°23  | 19° 9 | 18°51 |   |   |   |   |   |   |   |   |
| S20 | 5 52 47 | 27°30'42 | 6♏46  | 17°20  | 5° 7  | 16°12 | 27°23  | 9°30   | 20°15  | 11°33  | 16°40  | 23°20  | 22°20  | 19°16 | 18°52 |   |   |   |   |   |   |   |   |
| S21 | 5 56 44 | 28°31'41 | 18°39 | 17°49  | 6°20  | 16°58 | 27°21  | 9°27   | 20°13  | 11°33  | 16°40  | 23°11  | 22°16  | 19°23 | 18°54 |   |   |   |   |   |   |   |   |
| M22 | 6 0 40  | 29°32'42 | 0♏36  | 18°10  | 7°32  | 17°44 | 27°20  | 9°24   | 20°12  | 11°33  | 16°39  | 23° 4  | 22°13  | 19°29 | 18°55 |   |   |   |   |   |   |   |   |
| T23 | 6 4 37  | 0♌33'43  | 12°41 | 18°20  | 8°45  | 18°30 | 27°18  | 9°21   | 20°10  | 11°D33 | 16°38  | 23° 0  | 22°10  | 19°36 | 18°56 |   |   |   |   |   |   |   |   |
| W24 | 6 8 34  | 1°34'45  | 24°59 | 18°R20 | 9°58  | 19°16 | 27°17  | 9°18   | 20° 8  | 11°33  | 16°37  | 22°58  | 22° 7  | 19°43 | 18°58 |   |   |   |   |   |   |   |   |
| T25 | 6 12 30 | 2°35'48  | 7♌34  | 18°10  | 11°10 | 20° 2 | 27°14  | 9°14   | 20° 7  | 11°33  | 16°37  | 22°D58 | 22° 4  | 19°50 | 18°59 |   |   |   |   |   |   |   |   |
| F26 | 6 16 27 | 3°36'52  | 20°32 | 17°47  | 12°23 | 20°49 | 27°12  | 9°11   | 20° 5  | 11°33  | 16°36  | 22°R58 | 22° 1  | 19°56 | 19° 1 |   |   |   |   |   |   |   |   |
| S27 | 6 20 23 | 4°37'57  | 3♏56  | 17°13  | 13°35 | 21°35 | 27°10  | 9° 7   | 20° 3  | 11°33  | 16°35  | 22°58  | 21°57  | 20° 3 | 19° 2 |   |   |   |   |   |   |   |   |
| S28 | 6 24 20 | 5°39'03  | 17°50 | 16°28  | 14°47 | 22°21 | 27° 7  | 9° 4   | 20° 2  | 11°33  | 16°34  | 22°56  | 21°54  | 20°10 | 19° 4 |   |   |   |   |   |   |   |   |
| M29 | 6 28 16 | 6°40'10  | 2♌13  | 15°31  | 16° 0 | 23° 8 | 27° 4  | 9° 0   | 20° 0  | 11°33  | 16°34  | 22°51  | 21°51  | 20°17 | 19° 6 |   |   |   |   |   |   |   |   |
| T30 | 6 32 13 | 7°41'17  | 17° 3 | 14°26  | 17°12 | 23°54 | 27° 1  | 8°56   | 19°59  | 11°33  | 16°33  | 22°43  | 21°48  | 20°23 | 19° 7 |   |   |   |   |   |   |   |   |
| W31 | 6 36 9  | 8°42'25  | 2♌14  | 13♌12  | 18♏24 | 24♌41 | 26♏58  | 8♏52   | 19♌57  | 11°Y34 | 16♌32  | 22°Y33 | 21°Y45 | 20♌30 | 19♌ 9 |   |   |   |   |   |   |   |   |

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