

SWISS EPHEMERIS for the year 242

JANUARY 242 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽       | ♀     | ♂     | ♂       | ♂     | ♂     | ♂      | ♂     | ♂      | ♂      | ♂      | ♂      | ♂    |
|------|---------|----------|---------|-------|-------|---------|-------|-------|--------|-------|--------|--------|--------|--------|------|
| S 1  | 6 39 27 | 10°51'19 | 26°33   | 18°41 | 25°13 | 0°R 2   | 20°59 | 3°R39 | 16°54  | 7°R15 | 15°R14 | 16°R43 | 17° 6  | 8°V24  | n.a. |
| S 2  | 6 43 23 | 11°52'18 | 9°II11  | 20° 2 | 26°28 | 29°II40 | 21°13 | 3°M37 | 16°57  | 7°B14 | 15°M14 | 16°B43 | 17° 3  | 8°31   | n.a. |
| M 3  | 6 47 20 | 12°53'15 | 22° 7   | 21°23 | 27°43 | 29°18   | 21°27 | 3°35  | 17° 0  | 7°14  | 15°13  | 16°42  | 17° 0  | 8°38   | n.a. |
| T 4  | 6 51 16 | 13°54'11 | 5°E21   | 22°46 | 28°58 | 28°57   | 21°41 | 3°33  | 17° 3  | 7°14  | 15°13  | 16°42  | 16°56  | 8°45   | n.a. |
| W 5  | 6 55 13 | 14°55'06 | 18°53   | 24°10 | 0°M13 | 28°36   | 21°56 | 3°31  | 17° 6  | 7°13  | 15°12  | 16°D42 | 16°53  | 8°51   | n.a. |
| T 6  | 6 59 9  | 15°56'00 | 2°L41   | 25°35 | 1°28  | 28°16   | 22°10 | 3°28  | 17° 9  | 7°13  | 15°12  | 16°42  | 16°50  | 8°58   | n.a. |
| F 7  | 7 3 6   | 16°56'52 | 16°42   | 27° 0 | 2°43  | 27°56   | 22°24 | 3°26  | 17°12  | 7°12  | 15°11  | 16°R42 | 16°47  | 9° 5   | n.a. |
| S 8  | 7 7 2   | 17°57'44 | 0°M52   | 28°27 | 3°58  | 27°37   | 22°39 | 3°23  | 17°15  | 7°12  | 15°10  | 16°42  | 16°44  | 9°11   | n.a. |
| S 9  | 7 10 59 | 18°58'34 | 15° 7   | 29°55 | 5°12  | 27°18   | 22°53 | 3°21  | 17°19  | 7°12  | 15°10  | 16°42  | 16°41  | 9°18   | n.a. |
| M10  | 7 14 56 | 19°59'23 | 29°24   | 1°B23 | 6°27  | 27° 1   | 23° 7 | 3°18  | 17°22  | 7°11  | 15° 9  | 16°42  | 16°37  | 9°25   | n.a. |
| T 11 | 7 18 52 | 21° 0'11 | 13°E39  | 2°52  | 7°42  | 26°43   | 23°22 | 3°15  | 17°25  | 7°11  | 15° 8  | 16°41  | 16°34  | 9°32   | n.a. |
| W12  | 7 22 49 | 22° 0'58 | 27°50   | 4°23  | 8°57  | 26°27   | 23°36 | 3°12  | 17°28  | 7°11  | 15° 7  | 16°D41 | 16°31  | 9°38   | n.a. |
| T 13 | 7 26 45 | 23° 1'45 | 11°M54  | 5°54  | 10°12 | 26°11   | 23°50 | 3° 9  | 17°31  | 7°11  | 15° 6  | 16°42  | 16°28  | 9°45   | n.a. |
| F 14 | 7 30 42 | 24° 2'30 | 25°50   | 7°25  | 11°27 | 25°56   | 24° 5 | 3° 6  | 17°34  | 7°11  | 15° 6  | 16°42  | 16°25  | 9°52   | n.a. |
| S 15 | 7 34 38 | 25° 3'14 | 9°X37   | 8°58  | 12°42 | 25°42   | 24°19 | 3° 3  | 17°38  | 7°11  | 15° 5  | 16°43  | 16°22  | 9°59   | n.a. |
| S 16 | 7 38 35 | 26° 3'56 | 23°12   | 10°32 | 13°56 | 25°28   | 24°33 | 3° 0  | 17°41  | 7°10  | 15° 4  | 16°44  | 16°18  | 10° 5  | n.a. |
| M17  | 7 42 32 | 27° 4'38 | 6°B36   | 12° 6 | 15°11 | 25°15   | 24°48 | 2°57  | 17°44  | 7°D10 | 15° 3  | 16°44  | 16°15  | 10°12  | n.a. |
| T 18 | 7 46 28 | 28° 5'18 | 19°46   | 13°41 | 16°26 | 25° 3   | 25° 2 | 2°53  | 17°47  | 7°10  | 15° 2  | 16°R44 | 16°12  | 10°19  | n.a. |
| W19  | 7 50 25 | 29° 5'56 | 2°M42   | 15°17 | 17°41 | 24°52   | 25°16 | 2°50  | 17°51  | 7°10  | 15° 1  | 16°44  | 16° 9  | 10°25  | n.a. |
| T 20 | 7 54 21 | 0°M6'33  | 15°24   | 16°54 | 18°55 | 24°41   | 25°31 | 2°46  | 17°54  | 7°11  | 15° 0  | 16°43  | 16° 6  | 10°32  | n.a. |
| F 21 | 7 58 18 | 1° 7'08  | 27°52   | 18°32 | 20°10 | 24°32   | 25°45 | 2°43  | 17°57  | 7°11  | 14°59  | 16°41  | 16° 2  | 10°39  | n.a. |
| S 22 | 8 2 14  | 2° 7'41  | 10°X 8  | 20°11 | 21°25 | 24°23   | 25°59 | 2°39  | 18° 1  | 7°11  | 14°58  | 16°39  | 15°59  | 10°46  | n.a. |
| S 23 | 8 6 11  | 3° 8'12  | 22°13   | 21°50 | 22°39 | 24°15   | 26°14 | 2°35  | 18° 4  | 7°11  | 14°57  | 16°36  | 15°56  | 10°52  | n.a. |
| M24  | 8 10 7  | 4° 8'41  | 4°Y10   | 23°31 | 23°54 | 24° 7   | 26°28 | 2°31  | 18° 7  | 7°11  | 14°55  | 16°34  | 15°53  | 10°59  | n.a. |
| T 25 | 8 14 4  | 5° 9'09  | 16° 2   | 25°12 | 25° 8 | 24° 1   | 26°42 | 2°28  | 18°11  | 7°11  | 14°54  | 16°32  | 15°50  | 11° 6  | n.a. |
| W26  | 8 18 1  | 6° 9'34  | 27°55   | 26°55 | 26°23 | 23°55   | 26°57 | 2°24  | 18°14  | 7°12  | 14°53  | 16°30  | 15°47  | 11°12  | n.a. |
| T 27 | 8 21 57 | 7° 9'58  | 9°B52   | 28°38 | 27°37 | 23°50   | 27°11 | 2°20  | 18°18  | 7°12  | 14°52  | 16°D30 | 15°43  | 11°19  | n.a. |
| F 28 | 8 25 54 | 8°10'19  | 21°58   | 0°M22 | 28°52 | 23°46   | 27°25 | 2°16  | 18°21  | 7°12  | 14°51  | 16°31  | 15°40  | 11°26  | n.a. |
| S 29 | 8 29 50 | 9°10'39  | 4°II17  | 2° 7  | 0°X 6 | 23°43   | 27°39 | 2°11  | 18°24  | 7°13  | 14°49  | 16°32  | 15°37  | 11°33  | n.a. |
| S 30 | 8 33 47 | 10°10'56 | 16°55   | 3°54  | 1°20  | 23°41   | 27°53 | 2° 7  | 18°28  | 7°13  | 14°48  | 16°34  | 15°34  | 11°39  | n.a. |
| M31  | 8 37 43 | 11°11'11 | 29°II55 | 5°M41 | 2°X35 | 23°II39 | 28° 8 | 2°M 3 | 18°M31 | 7°B14 | 14°M47 | 16°B35 | 15°B31 | 11°V46 | n.a. |

Delta T = 02h16m33s Julian Calendar 1 Jan. 242 == Greg. Calendar 1 Jan. 242

FEBRUARY 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀      | ♂     | ♂       | ♂      | ♂      | ♂      | ♂     | ♂      | ♂      | ♂      | ♂      | ♂    |
|------|----------|----------|--------|--------|-------|---------|--------|--------|--------|-------|--------|--------|--------|--------|------|
| T 1  | 8 41 40  | 12°11'25 | 13°E18 | 7°M29  | 3°X49 | 23°R38  | 28°Z22 | 1°R59  | 18°M35 | 7°B14 | 14°R46 | 16°R36 | 15°Z28 | 11°V53 | n.a. |
| W 2  | 8 45 36  | 13°11'36 | 27° 5  | 9°18   | 5° 3  | 23°D38  | 28°36  | 1°M55  | 18°38  | 7°15  | 14°M44 | 16°B36 | 15°24  | 12° 0  | n.a. |
| T 3  | 8 49 33  | 14°11'45 | 11°O15 | 11° 9  | 6°18  | 23°II38 | 28°50  | 1°50   | 18°42  | 7°15  | 14°43  | 16°34  | 15°21  | 12° 6  | n.a. |
| F 4  | 8 53 30  | 15°11'52 | 25°43  | 13° 0  | 7°32  | 23°39   | 29° 4  | 1°46   | 18°45  | 7°16  | 14°42  | 16°31  | 15°18  | 12°13  | n.a. |
| S 5  | 8 57 26  | 16°11'58 | 10°M23 | 14°52  | 8°46  | 23°41   | 29°18  | 1°41   | 18°48  | 7°16  | 14°40  | 16°27  | 15°15  | 12°20  | n.a. |
| S 6  | 9 1 23   | 17°12'01 | 25° 7  | 16°45  | 10° 0 | 23°44   | 29°32  | 1°37   | 18°52  | 7°17  | 14°39  | 16°22  | 15°12  | 12°26  | n.a. |
| M 7  | 9 5 19   | 18°12'03 | 9°E49  | 18°40  | 11°14 | 23°47   | 29°46  | 1°32   | 18°55  | 7°18  | 14°37  | 16°18  | 15° 8  | 12°33  | n.a. |
| T 8  | 9 9 16   | 19°12'03 | 24°22  | 20°35  | 12°28 | 23°51   | 0°M 0  | 1°28   | 18°59  | 7°18  | 14°36  | 16°15  | 15° 5  | 12°40  | n.a. |
| W 9  | 9 13 12  | 20°12'01 | 8°M42  | 22°30  | 13°42 | 23°56   | 0°14   | 1°23   | 19° 2  | 7°19  | 14°34  | 16°13  | 15° 2  | 12°47  | n.a. |
| T 10 | 9 17 9   | 21°11'58 | 22°45  | 24°27  | 14°56 | 24° 1   | 0°28   | 1°19   | 19° 6  | 7°20  | 14°33  | 16°D12 | 14°59  | 12°53  | n.a. |
| F 11 | 9 21 5   | 22°11'53 | 6°X30  | 26°24  | 16°10 | 24° 7   | 0°42   | 1°14   | 19° 9  | 7°21  | 14°31  | 16°13  | 14°56  | 13° 0  | n.a. |
| S 12 | 9 25 2   | 23°11'47 | 19°59  | 28°22  | 17°24 | 24°14   | 0°56   | 1° 9   | 19°13  | 7°22  | 14°30  | 16°14  | 14°53  | 13° 7  | n.a. |
| S 13 | 9 28 59  | 24°11'38 | 3°B13  | 0°X20  | 18°38 | 24°21   | 1° 9   | 1° 5   | 19°16  | 7°23  | 14°28  | 16°16  | 14°49  | 13°14  | n.a. |
| M14  | 9 32 55  | 25°11'28 | 16°12  | 2°18   | 19°52 | 24°29   | 1°23   | 1° 0   | 19°19  | 7°23  | 14°27  | 16°R16 | 14°46  | 13°20  | n.a. |
| T 15 | 9 36 52  | 26°11'16 | 28°59  | 4°16   | 21° 5 | 24°38   | 1°37   | 0°55   | 19°23  | 7°24  | 14°25  | 16°16  | 14°43  | 13°27  | n.a. |
| W16  | 9 40 48  | 27°11'02 | 11°M35 | 6°14   | 22°19 | 24°47   | 1°51   | 0°51   | 19°26  | 7°25  | 14°24  | 16°13  | 14°40  | 13°34  | n.a. |
| T 17 | 9 44 45  | 28°10'45 | 24° 1  | 8°11   | 23°33 | 24°57   | 2° 4   | 0°46   | 19°30  | 7°26  | 14°22  | 16° 8  | 14°37  | 13°40  | n.a. |
| F 18 | 9 48 41  | 29°10'27 | 6°X17  | 10° 7  | 24°47 | 25° 7   | 2°18   | 0°41   | 19°33  | 7°27  | 14°21  | 16° 1  | 14°34  | 13°47  | n.a. |
| S 19 | 9 52 38  | 0°X10'07 | 18°25  | 12° 2  | 26° 0 | 25°18   | 2°31   | 0°37   | 19°37  | 7°29  | 14°19  | 15°53  | 14°30  | 13°54  | n.a. |
| S 20 | 9 56 34  | 1° 9'44  | 0°Y26  | 13°55  | 27°14 | 25°29   | 2°45   | 0°32   | 19°40  | 7°30  | 14°17  | 15°44  | 14°27  | 14° 1  | n.a. |
| M21  | 10 0 31  | 2° 9'19  | 12°21  | 15°46  | 28°27 | 25°41   | 2°58   | 0°27   | 19°43  | 7°31  | 14°16  | 15°35  | 14°24  | 14° 7  | n.a. |
| T 22 | 10 4 27  | 3° 8'52  | 24°12  | 17°35  | 29°41 | 25°54   | 3°12   | 0°22   | 19°47  | 7°32  | 14°14  | 15°28  | 14°21  | 14°14  | n.a. |
| W23  | 10 8 24  | 4° 8'23  | 6°B 4  | 19°21  | 0°Y54 | 26° 7   | 3°25   | 0°18   | 19°50  | 7°33  | 14°12  | 15°22  | 14°18  | 14°21  | n.a. |
| T 24 | 10 12 21 | 5° 7'51  | 17°59  | 21° 3  | 2° 8  | 26°20   | 3°38   | 0°13   | 19°53  | 7°34  | 14°11  | 15°18  | 14°14  | 14°27  | n.a. |
| F 25 | 10 16 17 | 6° 7'17  | 0°II 2 | 22°41  | 3°21  | 26°34   | 3°52   | 0° 8   | 19°57  | 7°36  | 14° 9  | 15°16  | 14°11  | 14°34  | n.a. |
| S 26 | 10 20 14 | 7° 6'40  | 12°18  | 24°15  | 4°34  | 26°49   | 4° 5   | 0° 4   | 20° 0  | 7°37  | 14° 8  | 15°D16 | 14° 8  | 14°41  | n.a. |
| S 27 | 10 24 10 | 8° 6'02  | 24°51  | 25°45  | 5°47  | 27° 4   | 4°18   | 29°O59 | 20° 4  | 7°38  | 14° 6  | 15°17  | 14° 5  | 14°48  | n.a. |
| M28  | 10 28 7  | 9°X 5'20 | 7°E47  | 27°X 9 | 7°Y 1 | 27°II19 | 4°M31  | 29°O54 | 20°M 7 | 7°B39 | 14°M 4 | 15°B18 | 14°B 2 | 14°V54 | n.a. |

Delta T = 02h16m32s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 242

MARCH 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♂     | ♂      | ♂     | ♂      | ♂     | ♂    | ♂      | ♂      | ♂     | ♂     | ♂    | ♂ |
|------|----------|----------|-------|-------|-------|--------|-------|--------|-------|------|--------|--------|-------|-------|------|---|
| T 1  | 10 32 3  | 10X 4'37 | 21☾ 9 | 28X28 | 8Y14  | 27II35 | 4≈44  | 29°R50 | 20≈10 | 7B41 | 14°R 3 | 15°R18 | 13Z59 | 15Y 1 | n.a. |   |
| W 2  | 10 36 0  | 11° 3'51 | 4Ω59  | 29°41 | 9°27  | 27°51  | 4°57  | 29Ω45  | 20°13 | 7°42 | 14M 1  | 15Z16  | 13°55 | 15° 8 | n.a. |   |
| T 3  | 10 39 57 | 12° 3'02 | 19°17 | 0Y48  | 10°40 | 28° 8  | 5°10  | 29°41  | 20°17 | 7°44 | 13°59  | 15°12  | 13°52 | 15°15 | n.a. |   |
| F 4  | 10 43 53 | 13° 2'12 | 4M 0  | 1°48  | 11°53 | 28°25  | 5°23  | 29°36  | 20°20 | 7°45 | 13°58  | 15° 6  | 13°49 | 15°21 | n.a. |   |
| S 5  | 10 47 50 | 14° 1'19 | 19° 0 | 2°42  | 13° 5 | 28°43  | 5°35  | 29°32  | 20°23 | 7°47 | 13°56  | 14°58  | 13°46 | 15°28 | n.a. |   |
| S 6  | 10 51 46 | 15° 0'24 | 4≈ 9  | 3°30  | 14°18 | 29° 1  | 5°48  | 29°27  | 20°26 | 7°48 | 13°54  | 14°49  | 13°43 | 15°35 | n.a. |   |
| M 7  | 10 55 43 | 15°59'27 | 19°16 | 4°10  | 15°31 | 29°19  | 6° 1  | 29°23  | 20°30 | 7°50 | 13°53  | 14°40  | 13°39 | 15°41 | n.a. |   |
| T 8  | 10 59 39 | 16°58'28 | 4M12  | 4°43  | 16°44 | 29°38  | 6°13  | 29°18  | 20°33 | 7°51 | 13°51  | 14°32  | 13°36 | 15°48 | n.a. |   |
| W 9  | 11 3 36  | 17°57'27 | 18°48 | 5°10  | 17°56 | 29°57  | 6°26  | 29°14  | 20°36 | 7°53 | 13°49  | 14°27  | 13°33 | 15°55 | n.a. |   |
| T 10 | 11 7 32  | 18°56'25 | 3X 1  | 5°29  | 19° 9 | 0☽16   | 6°38  | 29°10  | 20°39 | 7°54 | 13°48  | 14°23  | 13°30 | 16° 2 | n.a. |   |
| F 11 | 11 11 29 | 19°55'20 | 16°49 | 5°41  | 20°22 | 0°36   | 6°51  | 29° 5  | 20°42 | 7°56 | 13°46  | 14°D22 | 13°27 | 16° 8 | n.a. |   |
| S 12 | 11 15 25 | 20°54'14 | 0Z13  | 5°R47 | 21°34 | 0°56   | 7° 3  | 29° 1  | 20°45 | 7°58 | 13°44  | 14°22  | 13°24 | 16°15 | n.a. |   |
| S 13 | 11 19 22 | 21°53'06 | 13°17 | 5°46  | 22°46 | 1°17   | 7°15  | 28°57  | 20°48 | 7°59 | 13°43  | 14°R23 | 13°20 | 16°22 | n.a. |   |
| M14  | 11 23 19 | 22°51'57 | 26° 3 | 5°38  | 23°59 | 1°38   | 7°27  | 28°53  | 20°51 | 8° 1 | 13°41  | 14°22  | 13°17 | 16°29 | n.a. |   |
| T 15 | 11 27 15 | 23°50'45 | 8≈35  | 5°24  | 25°11 | 1°59   | 7°39  | 28°49  | 20°54 | 8° 3 | 13°39  | 14°20  | 13°14 | 16°35 | n.a. |   |
| W16  | 11 31 12 | 24°49'32 | 20°55 | 5° 4  | 26°23 | 2°21   | 7°51  | 28°45  | 20°57 | 8° 4 | 13°38  | 14°15  | 13°11 | 16°42 | n.a. |   |
| T 17 | 11 35 8  | 25°48'16 | 3X 6  | 4°39  | 27°35 | 2°42   | 8° 3  | 28°41  | 21° 0 | 8° 6 | 13°36  | 14° 6  | 13° 8 | 16°49 | n.a. |   |
| F 18 | 11 39 5  | 26°46'59 | 15°11 | 4°10  | 28°48 | 3° 5   | 8°15  | 28°37  | 21° 3 | 8° 8 | 13°34  | 13°56  | 13° 5 | 16°55 | n.a. |   |
| S 19 | 11 43 1  | 27°45'39 | 27°11 | 3°36  | 0B 0  | 3°27   | 8°27  | 28°33  | 21° 6 | 8°10 | 13°33  | 13°43  | 13° 1 | 17° 2 | n.a. |   |
| S 20 | 11 46 58 | 28°44'18 | 9Y 6  | 2°59  | 1°12  | 3°50   | 8°38  | 28°30  | 21° 9 | 8°11 | 13°31  | 13°29  | 12°58 | 17° 9 | n.a. |   |
| M21  | 11 50 54 | 29°42'54 | 20°59 | 2°19  | 2°23  | 4°13   | 8°50  | 28°26  | 21°12 | 8°13 | 13°30  | 13°16  | 12°55 | 17°16 | n.a. |   |
| T 22 | 11 54 51 | 0Y41'29  | 2B50  | 1°38  | 3°35  | 4°36   | 9° 1  | 28°22  | 21°15 | 8°15 | 13°28  | 13° 3  | 12°52 | 17°22 | n.a. |   |
| W23  | 11 58 48 | 1°40'01  | 14°42 | 0°55  | 4°47  | 5° 0   | 9°13  | 28°19  | 21°18 | 8°17 | 13°27  | 12°53  | 12°49 | 17°29 | n.a. |   |
| T 24 | 12 2 44  | 2°38'31  | 26°38 | 0°12  | 5°59  | 5°24   | 9°24  | 28°15  | 21°21 | 8°19 | 13°25  | 12°46  | 12°45 | 17°36 | n.a. |   |
| F 25 | 12 6 41  | 3°36'59  | 8II40 | 29X29 | 7°10  | 5°48   | 9°35  | 28°12  | 21°23 | 8°21 | 13°23  | 12°41  | 12°42 | 17°42 | n.a. |   |
| S 26 | 12 10 37 | 4°35'25  | 20°54 | 28°48 | 8°22  | 6°13   | 9°46  | 28° 8  | 21°26 | 8°23 | 13°22  | 12°39  | 12°39 | 17°49 | n.a. |   |
| S 27 | 12 14 34 | 5°33'49  | 3☽24  | 28° 9 | 9°33  | 6°37   | 9°57  | 28° 5  | 21°29 | 8°25 | 13°20  | 12°39  | 12°36 | 17°56 | n.a. |   |
| M28  | 12 18 30 | 6°32'10  | 16°15 | 27°32 | 10°45 | 7° 2   | 10° 8 | 28° 2  | 21°31 | 8°27 | 13°19  | 12°39  | 12°33 | 18° 3 | n.a. |   |
| T 29 | 12 22 27 | 7°30'29  | 29°30 | 26°58 | 11°56 | 7°27   | 10°19 | 27°59  | 21°34 | 8°29 | 13°17  | 12°38  | 12°30 | 18° 9 | n.a. |   |
| W30  | 12 26 23 | 8°28'46  | 13Ω15 | 26°28 | 13° 7 | 7°53   | 10°30 | 27°56  | 21°37 | 8°31 | 13°16  | 12°35  | 12°26 | 18°16 | n.a. |   |
| T 31 | 12 30 20 | 9Y27'01  | 27Ω29 | 26X 2 | 14B19 | 8☽19   | 10≈40 | 27Ω53  | 21≈39 | 8B33 | 13M14  | 12Z31  | 12Z23 | 18Y23 | n.a. |   |

Delta T = 02h16m32s Julian Calendar 1 March 242 == Greg. Calendar 1 March 242

APRIL 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♂      | ♂     | ♂     | ♂      | ♂     | ♂    | ♂      | ♂      | ♂     | ♂     | ♂    | ♂ |
|------|----------|----------|-------|--------|--------|-------|-------|--------|-------|------|--------|--------|-------|-------|------|---|
| F 1  | 12 34 17 | 10Y25'14 | 12M11 | 25°R41 | 15B30  | 8☽44  | 10≈51 | 27°R50 | 21≈42 | 8B35 | 13°R13 | 12°R23 | 12Z20 | 18Y30 | n.a. |   |
| S 2  | 12 38 13 | 11°23'25 | 27°15 | 25X24  | 16°41  | 9°11  | 11° 1 | 27Ω47  | 21°44 | 8°37 | 13M12  | 12Z13  | 12°17 | 18°36 | n.a. |   |
| S 3  | 12 42 10 | 12°21'33 | 12≈33 | 25°11  | 17°51  | 9°37  | 11°12 | 27°45  | 21°47 | 8°39 | 13°10  | 12° 3  | 12°14 | 18°43 | n.a. |   |
| M 4  | 12 46 6  | 13°19'40 | 27°54 | 25° 4  | 19° 2  | 10° 3 | 11°22 | 27°42  | 21°49 | 8°41 | 13° 9  | 11°52  | 12°10 | 18°50 | n.a. |   |
| T 5  | 12 50 3  | 14°17'46 | 13M 4 | 25°D 1 | 20°13  | 10°30 | 11°32 | 27°39  | 21°52 | 8°43 | 13° 7  | 11°42  | 12° 7 | 18°56 | n.a. |   |
| W 6  | 12 53 59 | 15°15'49 | 27°56 | 25° 3  | 21°24  | 10°57 | 11°42 | 27°37  | 21°54 | 8°45 | 13° 6  | 11°35  | 12° 4 | 19° 3 | n.a. |   |
| T 7  | 12 57 56 | 16°13'52 | 12X22 | 25°10  | 22°34  | 11°24 | 11°52 | 27°35  | 21°56 | 8°47 | 13° 5  | 11°31  | 12° 1 | 19°10 | n.a. |   |
| F 8  | 13 1 52  | 17°11'53 | 26°20 | 25°22  | 23°45  | 11°52 | 12° 1 | 27°32  | 21°59 | 8°49 | 13° 3  | 11°29  | 11°58 | 19°17 | n.a. |   |
| S 9  | 13 5 49  | 18° 9'52 | 9Z49  | 25°38  | 24°55  | 12°19 | 12°11 | 27°30  | 22° 1 | 8°51 | 13° 2  | 11°28  | 11°55 | 19°23 | n.a. |   |
| S 10 | 13 9 46  | 19° 7'50 | 22°54 | 25°59  | 26° 5  | 12°47 | 12°20 | 27°28  | 22° 3 | 8°53 | 13° 1  | 11°28  | 11°51 | 19°30 | n.a. |   |
| M11  | 13 13 42 | 20° 5'47 | 5≈36  | 26°24  | 27°15  | 13°15 | 12°30 | 27°26  | 22° 5 | 8°55 | 13° 0  | 11°27  | 11°48 | 19°37 | n.a. |   |
| T 12 | 13 17 39 | 21° 3'42 | 18° 2 | 26°54  | 28°25  | 13°43 | 12°39 | 27°24  | 22° 8 | 8°58 | 12°58  | 11°25  | 11°45 | 19°43 | n.a. |   |
| W13  | 13 21 35 | 22° 1'36 | 0X14  | 27°27  | 29°35  | 14°11 | 12°48 | 27°23  | 22°10 | 9° 0 | 12°57  | 11°20  | 11°42 | 19°50 | n.a. |   |
| T 14 | 13 25 32 | 22°59'28 | 12°18 | 28° 5  | 0II45  | 14°40 | 12°57 | 27°21  | 22°12 | 9° 2 | 12°56  | 11°12  | 11°39 | 19°57 | n.a. |   |
| F 15 | 13 29 28 | 23°57'19 | 24°15 | 28°46  | 1°55   | 15° 9 | 13° 6 | 27°19  | 22°14 | 9° 4 | 12°55  | 11° 2  | 11°36 | 20° 4 | n.a. |   |
| S 16 | 13 33 25 | 24°55'09 | 6Y 9  | 29°31  | 3° 5   | 15°37 | 13°15 | 27°18  | 22°16 | 9° 6 | 12°54  | 10°49  | 11°32 | 20°10 | n.a. |   |
| S 17 | 13 37 21 | 25°52'57 | 18° 1 | 0Y20   | 4°14   | 16° 6 | 13°23 | 27°16  | 22°18 | 9° 8 | 12°52  | 10°36  | 11°29 | 20°17 | n.a. |   |
| M18  | 13 41 18 | 26°50'43 | 29°52 | 1°12   | 5°24   | 16°36 | 13°32 | 27°15  | 22°20 | 9°11 | 12°51  | 10°22  | 11°26 | 20°24 | n.a. |   |
| T 19 | 13 45 14 | 27°48'29 | 11B46 | 2° 7   | 6°33   | 17° 5 | 13°40 | 27°14  | 22°22 | 9°13 | 12°50  | 10°10  | 11°23 | 20°31 | n.a. |   |
| W20  | 13 49 11 | 28°46'12 | 23°42 | 3° 5   | 7°43   | 17°34 | 13°49 | 27°13  | 22°23 | 9°15 | 12°49  | 10° 0  | 11°20 | 20°37 | n.a. |   |
| T 21 | 13 53 8  | 29°43'55 | 5II42 | 4° 7   | 8°52   | 18° 4 | 13°57 | 27°12  | 22°25 | 9°17 | 12°48  | 9°53   | 11°16 | 20°44 | n.a. |   |
| F 22 | 13 57 4  | 0B41'35  | 17°50 | 5°11   | 10° 1  | 18°34 | 14° 5 | 27°11  | 22°27 | 9°20 | 12°47  | 9°48   | 11°13 | 20°51 | n.a. |   |
| S 23 | 14 1 1   | 1°39'14  | 0☽ 8  | 6°19   | 11°10  | 19° 4 | 14°12 | 27°10  | 22°29 | 9°22 | 12°46  | 9°46   | 11°10 | 20°57 | n.a. |   |
| S 24 | 14 4 57  | 2°36'52  | 12°40 | 7°29   | 12°19  | 19°34 | 14°20 | 27°10  | 22°30 | 9°24 | 12°45  | 9°D46  | 11° 7 | 21° 4 | n.a. |   |
| M25  | 14 8 54  | 3°34'28  | 25°30 | 8°42   | 13°27  | 20° 4 | 14°28 | 27° 9  | 22°32 | 9°26 | 12°44  | 9°46   | 11° 4 | 21°11 | n.a. |   |
| T 26 | 14 12 50 | 4°32'02  | 8Ω42  | 9°58   | 14°36  | 20°35 | 14°35 | 27° 8  | 22°34 | 9°28 | 12°44  | 9°R46  | 11° 1 | 21°18 | n.a. |   |
| W27  | 14 16 47 | 5°29'35  | 22°19 | 11°16  | 15°44  | 21° 5 | 14°42 | 27° 8  | 22°35 | 9°31 | 12°43  | 9°45   | 10°57 | 21°24 | n.a. |   |
| T 28 | 14 20 43 | 6°27'06  | 6M24  | 12°37  | 16°53  | 21°36 | 14°49 | 27° 8  | 22°37 | 9°33 | 12°42  | 9°42   | 10°54 | 21°31 | n.a. |   |
| F 29 | 14 24 40 | 7°24'36  | 20°55 | 14° 0  | 18° 1  | 22° 7 | 14°56 | 27° 8  | 22°38 | 9°35 | 12°41  | 9°36   | 10°51 | 21°38 | n.a. |   |
| S 30 | 14 28 37 | 8B22'04  | 5≈49  | 15Y26  | 19II 9 | 22☽38 | 15≈ 3 | 27°D 8 | 22≈39 | 9B37 | 12M40  | 9Z29   | 10Z48 | 21Y44 | n.a. |   |

Delta T = 02h16m31s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 242

MAY 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♂     | ♂     | ♂     | ♂     | ♂     | ♂     | ♂      | ♂     | ♂      | ♂     | ♂    | ♂ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|------|---|
| S 1  | 14 32 33 | 9♌19'31  | 20♋58 | 16♍55 | 20♎17 | 23♏9  | 15♏10 | 27♏8  | 22♏41 | 9♏40  | 12♏R40 | 9♏R20 | 10♏345 | 21♍51 | n.a. |   |
| M 2  | 14 36 30 | 10°16'56 | 6♌14  | 18°26 | 21°25 | 23°40 | 15°16 | 27°8  | 22°42 | 9°42  | 12♏39  | 9♏12  | 10°42  | 21°58 | n.a. |   |
| T 3  | 14 40 26 | 11°14'21 | 21°26 | 19°59 | 22°32 | 24°11 | 15°22 | 27°8  | 22°43 | 9°44  | 12°38  | 9°4   | 10°38  | 22°5  | n.a. |   |
| W 4  | 14 44 23 | 12°11'45 | 6♌22  | 21°35 | 23°40 | 24°43 | 15°29 | 27°8  | 22°45 | 9°46  | 12°38  | 8°58  | 10°35  | 22°11 | n.a. |   |
| T 5  | 14 48 19 | 13°9'08  | 20°55 | 23°13 | 24°47 | 25°14 | 15°35 | 27°9  | 22°46 | 9°49  | 12°37  | 8°55  | 10°32  | 22°18 | n.a. |   |
| F 6  | 14 52 16 | 14°6'30  | 5♌0   | 24°54 | 25°54 | 25°46 | 15°41 | 27°9  | 22°47 | 9°51  | 12°36  | 8°D53 | 10°29  | 22°25 | n.a. |   |
| S 7  | 14 56 12 | 15°3'51  | 18°38 | 26°38 | 27°1  | 26°18 | 15°46 | 27°10 | 22°48 | 9°53  | 12°36  | 8°54  | 10°26  | 22°32 | n.a. |   |
| S 8  | 15 0 9   | 16°1'11  | 1♌48  | 28°23 | 28°8  | 26°50 | 15°52 | 27°11 | 22°49 | 9°55  | 12°35  | 8°55  | 10°22  | 22°38 | n.a. |   |
| M 9  | 15 4 6   | 16°58'31 | 14°34 | 0♌11  | 29°15 | 27°22 | 15°57 | 27°11 | 22°50 | 9°58  | 12°35  | 8°R55 | 10°19  | 22°45 | n.a. |   |
| T 10 | 15 8 2   | 17°55'51 | 27°1  | 2°2   | 0♌21  | 27°54 | 16°2  | 27°12 | 22°51 | 10°0  | 12°34  | 8°55  | 10°16  | 22°52 | n.a. |   |
| W11  | 15 11 59 | 18°53'09 | 9♌12  | 3°54  | 1°28  | 28°26 | 16°7  | 27°13 | 22°52 | 10°2  | 12°34  | 8°53  | 10°13  | 22°58 | n.a. |   |
| T 12 | 15 15 55 | 19°50'27 | 21°13 | 5°49  | 2°34  | 28°59 | 16°12 | 27°15 | 22°53 | 10°4  | 12°33  | 8°49  | 10°10  | 23°5  | n.a. |   |
| F 13 | 15 19 52 | 20°47'44 | 3♍8   | 7°47  | 3°40  | 29°31 | 16°17 | 27°16 | 22°54 | 10°7  | 12°33  | 8°42  | 10°7   | 23°12 | n.a. |   |
| S 14 | 15 23 48 | 21°45'01 | 14°59 | 9°46  | 4°46  | 0♌4   | 16°21 | 27°17 | 22°54 | 10°9  | 12°33  | 8°35  | 10°3   | 23°19 | n.a. |   |
| S 15 | 15 27 45 | 22°42'18 | 26°51 | 11°48 | 5°51  | 0°37  | 16°26 | 27°19 | 22°55 | 10°11 | 12°32  | 8°26  | 10°0   | 23°25 | n.a. |   |
| M16  | 15 31 41 | 23°39'33 | 8♌45  | 13°51 | 6°57  | 1°10  | 16°30 | 27°20 | 22°56 | 10°13 | 12°32  | 8°18  | 9°57   | 23°32 | n.a. |   |
| T 17 | 15 35 38 | 24°36'49 | 20°42 | 15°56 | 8°2   | 1°43  | 16°34 | 27°22 | 22°56 | 10°15 | 12°32  | 8°10  | 9°54   | 23°39 | n.a. |   |
| W18  | 15 39 35 | 25°34'03 | 2♎46  | 18°3  | 9°7   | 2°16  | 16°38 | 27°23 | 22°57 | 10°18 | 12°32  | 8°4   | 9°51   | 23°45 | n.a. |   |
| T 19 | 15 43 31 | 26°31'17 | 14°56 | 20°11 | 10°12 | 2°49  | 16°41 | 27°25 | 22°57 | 10°20 | 12°31  | 8°0   | 9°48   | 23°52 | n.a. |   |
| F 20 | 15 47 28 | 27°28'30 | 27°15 | 22°21 | 11°17 | 3°22  | 16°45 | 27°27 | 22°58 | 10°22 | 12°31  | 7°57  | 9°44   | 23°59 | n.a. |   |
| S 21 | 15 51 24 | 28°25'43 | 9♌45  | 24°31 | 12°21 | 3°56  | 16°48 | 27°29 | 22°58 | 10°24 | 12°31  | 7°D57 | 9°41   | 24°6  | n.a. |   |
| S 22 | 15 55 21 | 29°22'55 | 22°28 | 26°42 | 13°25 | 4°29  | 16°51 | 27°31 | 22°59 | 10°26 | 12°31  | 7°57  | 9°38   | 24°12 | n.a. |   |
| M23  | 15 59 17 | 0♎20'06  | 5♎26  | 28°54 | 14°29 | 5°3   | 16°54 | 27°34 | 22°59 | 10°28 | 12°31  | 7°59  | 9°35   | 24°19 | n.a. |   |
| T 24 | 16 3 14  | 1°17'17  | 18°42 | 1♎5   | 15°33 | 5°36  | 16°57 | 27°36 | 22°59 | 10°31 | 12°D31 | 8°0   | 9°32   | 24°26 | n.a. |   |
| W25  | 16 7 10  | 2°14'27  | 2♎17  | 3°16  | 16°37 | 6°10  | 16°59 | 27°38 | 22°59 | 10°33 | 12°31  | 8°R1  | 9°28   | 24°33 | n.a. |   |
| T 26 | 16 11 7  | 3°11'36  | 16°14 | 5°27  | 17°40 | 6°44  | 17°2  | 27°41 | 23°0  | 10°35 | 12°31  | 8°0   | 9°25   | 24°39 | n.a. |   |
| F 27 | 16 15 4  | 4°8'44   | 0♌32  | 7°38  | 18°43 | 7°18  | 17°4  | 27°43 | 23°0  | 10°37 | 12°31  | 7°58  | 9°22   | 24°46 | n.a. |   |
| S 28 | 16 19 0  | 5°5'52   | 15°9  | 9°47  | 19°46 | 7°52  | 17°6  | 27°46 | 23°0  | 10°39 | 12°31  | 7°54  | 9°19   | 24°53 | n.a. |   |
| S 29 | 16 22 57 | 6°2'59   | 29°59 | 11°55 | 20°48 | 8°26  | 17°8  | 27°49 | 23°R0 | 10°41 | 12°31  | 7°50  | 9°16   | 24°59 | n.a. |   |
| M30  | 16 26 53 | 7°0'06   | 14♎57 | 14°2  | 21°50 | 9°1   | 17°9  | 27°52 | 23°0  | 10°43 | 12°32  | 7°46  | 9°13   | 25°6  | n.a. |   |
| T 31 | 16 30 50 | 7♎57'13  | 29♎52 | 16♎8  | 22♎52 | 9♎35  | 17♎11 | 27♎55 | 23♎0  | 10♎45 | 12♎32  | 7♎42  | 9♎9    | 25♎13 | n.a. |   |

Delta T = 02h16m31s Julian Calendar 1 May 242 == Greg. Calendar 1 May 242

JUNE 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♂     | ♂     | ♂      | ♂     | ♂     | ♂     | ♂     | ♂     | ♂    | ♂     | ♂    | ♂ |
|------|----------|----------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|------|-------|------|---|
| W 1  | 16 34 46 | 8♎54'20  | 14♌37 | 18♎12 | 23♏54 | 10♏9  | 17♎12  | 27♎58 | 23°R0 | 10♏47 | 12♏32 | 7°R39 | 9♏6  | 25♍20 | n.a. |   |
| T 2  | 16 38 43 | 9°51'26  | 29°5  | 20°14 | 24°55 | 10°44 | 17°13  | 28°1  | 22°59 | 10°49 | 12°32 | 7♏38  | 9°3  | 25°26 | n.a. |   |
| F 3  | 16 42 40 | 10°48'32 | 13♏10 | 22°15 | 25°56 | 11°19 | 17°14  | 28°4  | 22°59 | 10°51 | 12°33 | 7°D38 | 9°0  | 25°33 | n.a. |   |
| S 4  | 16 46 36 | 11°45'39 | 26°50 | 24°13 | 26°57 | 11°53 | 17°15  | 28°7  | 22°59 | 10°53 | 12°33 | 7°39  | 8°57 | 25°40 | n.a. |   |
| S 5  | 16 50 33 | 12°42'46 | 10♎5  | 26°10 | 27°57 | 12°28 | 17°15  | 28°11 | 22°59 | 10°55 | 12°33 | 7°40  | 8°54 | 25°46 | n.a. |   |
| M 6  | 16 54 29 | 13°39'52 | 22°55 | 28°5  | 28°57 | 13°3  | 17°15  | 28°14 | 22°58 | 10°57 | 12°34 | 7°42  | 8°50 | 25°53 | n.a. |   |
| T 7  | 16 58 26 | 14°36'59 | 5♌26  | 29°57 | 29°57 | 13°38 | 17°R15 | 28°18 | 22°58 | 10°59 | 12°34 | 7°43  | 8°47 | 26°0  | n.a. |   |
| W 8  | 17 2 22  | 15°34'07 | 17°40 | 1♏48  | 0♎56  | 14°13 | 17°15  | 28°21 | 22°57 | 11°1  | 12°35 | 7°R43 | 8°44 | 26°7  | n.a. |   |
| T 9  | 17 6 19  | 16°31'14 | 29°42 | 3°37  | 1°55  | 14°48 | 17°15  | 28°25 | 22°57 | 11°3  | 12°35 | 7°42  | 8°41 | 26°13 | n.a. |   |
| F 10 | 17 10 15 | 17°28'22 | 11♍37 | 5°23  | 2°53  | 15°23 | 17°14  | 28°29 | 22°56 | 11°5  | 12°36 | 7°41  | 8°38 | 26°20 | n.a. |   |
| S 11 | 17 14 12 | 18°25'31 | 23°29 | 7°8   | 3°51  | 15°59 | 17°14  | 28°33 | 22°56 | 11°7  | 12°36 | 7°39  | 8°34 | 26°27 | n.a. |   |
| S 12 | 17 18 8  | 19°22'40 | 5♌22  | 8°51  | 4°49  | 16°34 | 17°13  | 28°37 | 22°55 | 11°9  | 12°37 | 7°36  | 8°31 | 26°33 | n.a. |   |
| M13  | 17 22 5  | 20°19'49 | 17°19 | 10°31 | 5°46  | 17°9  | 17°12  | 28°41 | 22°54 | 11°10 | 12°38 | 7°33  | 8°28 | 26°40 | n.a. |   |
| T 14 | 17 26 2  | 21°16'59 | 29°23 | 12°10 | 6°43  | 17°45 | 17°10  | 28°45 | 22°54 | 11°12 | 12°38 | 7°31  | 8°25 | 26°47 | n.a. |   |
| W15  | 17 29 58 | 22°14'09 | 11♎36 | 13°47 | 7°39  | 18°21 | 17°9   | 28°49 | 22°53 | 11°14 | 12°39 | 7°29  | 8°22 | 26°54 | n.a. |   |
| T 16 | 17 33 55 | 23°11'20 | 23°59 | 15°21 | 8°35  | 18°56 | 17°7   | 28°54 | 22°52 | 11°16 | 12°40 | 7°28  | 8°19 | 27°0  | n.a. |   |
| F 17 | 17 37 51 | 24°8'31  | 6♏35  | 16°54 | 9°31  | 19°32 | 17°5   | 28°58 | 22°51 | 11°18 | 12°41 | 7°D27 | 8°15 | 27°7  | n.a. |   |
| S 18 | 17 41 48 | 25°5'42  | 19°23 | 18°24 | 10°26 | 20°8  | 17°3   | 29°2  | 22°50 | 11°19 | 12°41 | 7°27  | 8°12 | 27°14 | n.a. |   |
| S 19 | 17 45 44 | 26°2'54  | 2♎25  | 19°52 | 11°20 | 20°44 | 17°1   | 29°7  | 22°49 | 11°21 | 12°42 | 7°28  | 8°9  | 27°20 | n.a. |   |
| M20  | 17 49 41 | 27°0'06  | 15°40 | 21°19 | 12°14 | 21°20 | 16°59  | 29°12 | 22°48 | 11°23 | 12°43 | 7°29  | 8°6  | 27°27 | n.a. |   |
| T 21 | 17 53 38 | 27°57'18 | 29°10 | 22°43 | 13°7  | 21°56 | 16°56  | 29°16 | 22°47 | 11°24 | 12°44 | 7°30  | 8°3  | 27°34 | n.a. |   |
| W22  | 17 57 34 | 28°54'30 | 12♎54 | 24°5  | 14°0  | 22°32 | 16°53  | 29°21 | 22°46 | 11°26 | 12°45 | 7°31  | 7°59 | 27°41 | n.a. |   |
| T 23 | 18 1 31  | 29°51'43 | 26°51 | 25°25 | 14°52 | 23°9  | 16°50  | 29°26 | 22°45 | 11°28 | 12°46 | 7°R31 | 7°56 | 27°47 | n.a. |   |
| F 24 | 18 5 27  | 0♌48'56  | 11♌2  | 26°42 | 15°44 | 23°45 | 16°47  | 29°31 | 22°44 | 11°29 | 12°47 | 7°31  | 7°53 | 27°54 | n.a. |   |
| S 25 | 18 9 24  | 1°46'09  | 25°23 | 27°57 | 16°35 | 24°22 | 16°44  | 29°36 | 22°43 | 11°31 | 12°48 | 7°30  | 7°50 | 28°1  | n.a. |   |
| S 26 | 18 13 20 | 2°43'23  | 9♎15  | 29°10 | 17°25 | 24°58 | 16°40  | 29°41 | 22°42 | 11°33 | 12°49 | 7°30  | 7°47 | 28°7  | n.a. |   |
| M27  | 18 17 17 | 3°40'37  | 24°23 | 0♎21  | 18°14 | 25°35 | 16°36  | 29°46 | 22°40 | 11°34 | 12°50 | 7°30  | 7°44 | 28°14 | n.a. |   |
| T 28 | 18 21 13 | 4°37'51  | 8♌53  | 1°29  | 19°3  | 26°11 | 16°32  | 29°51 | 22°39 | 11°36 | 12°51 | 7°29  | 7°40 | 28°21 | n.a. |   |
| W29  | 18 25 10 | 5°35'07  | 23°16 | 2°34  | 19°51 | 26°48 | 16°28  | 29°56 | 22°38 | 11°37 | 12°52 | 7°29  | 7°37 | 28°28 | n.a. |   |
| T 30 | 18 29 7  | 6♏32'23  | 7♏26  | 3♎37  | 20♎38 | 27♎25 | 16♎24  | 0♎1   | 22°36 | 11♎39 | 12°53 | 7°D29 | 7♏34 | 28♎34 | n.a. |   |

Delta T = 02h16m30s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 242

JULY 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                   | ♀                   | ♁                  | ♂                  | ♃                   | ♅                 | ♁                   | ♁                  | ♁                  | ♁                  | ♁                 | ♁                  | ♁    | ♁ |
|------|----------|-----------------------|---------------------|---------------------|--------------------|--------------------|---------------------|-------------------|---------------------|--------------------|--------------------|--------------------|-------------------|--------------------|------|---|
| F 1  | 18 33 3  | 7 <sup>h</sup> 29'40  | 21 <sup>h</sup> 318 | 4 <sup>h</sup> 37   | 21 <sup>h</sup> 25 | 28 <sup>h</sup> 2  | 16 <sup>h</sup> R20 | 0 <sup>h</sup> 7  | 22 <sup>h</sup> R35 | 11 <sup>h</sup> 40 | 12 <sup>h</sup> 55 | 7 <sup>h</sup> R29 | 7 <sup>h</sup> 31 | 28 <sup>h</sup> 41 | n.a. |   |
| S 2  | 18 37 0  | 8 <sup>h</sup> 26'57  | 4 <sup>h</sup> 52   | 5 <sup>h</sup> 34   | 22 <sup>h</sup> 10 | 28 <sup>h</sup> 39 | 16 <sup>h</sup> 15  | 0 <sup>h</sup> 12 | 22 <sup>h</sup> 33  | 11 <sup>h</sup> 41 | 12 <sup>h</sup> 56 | 7 <sup>h</sup> 29  | 7 <sup>h</sup> 28 | 28 <sup>h</sup> 48 | n.a. |   |
| S 3  | 18 40 56 | 9 <sup>h</sup> 24'16  | 18 <sup>h</sup> 4   | 6 <sup>h</sup> 28   | 22 <sup>h</sup> 55 | 29 <sup>h</sup> 16 | 16 <sup>h</sup> 10  | 0 <sup>h</sup> 18 | 22 <sup>h</sup> 32  | 11 <sup>h</sup> 43 | 12 <sup>h</sup> 57 | 7 <sup>h</sup> 29  | 7 <sup>h</sup> 25 | 28 <sup>h</sup> 54 | n.a. |   |
| M 4  | 18 44 53 | 10 <sup>h</sup> 21'36 | 0 <sup>h</sup> 55   | 7 <sup>h</sup> 18   | 23 <sup>h</sup> 39 | 29 <sup>h</sup> 53 | 16 <sup>h</sup> 5   | 0 <sup>h</sup> 23 | 22 <sup>h</sup> 30  | 11 <sup>h</sup> 44 | 12 <sup>h</sup> 58 | 7 <sup>h</sup> 29  | 7 <sup>h</sup> 21 | 29 <sup>h</sup> 1  | n.a. |   |
| T 5  | 18 48 49 | 11 <sup>h</sup> 18'57 | 13 <sup>h</sup> 27  | 8 <sup>h</sup> 6    | 24 <sup>h</sup> 22 | 0 <sup>h</sup> 30  | 16 <sup>h</sup> 0   | 0 <sup>h</sup> 29 | 22 <sup>h</sup> 29  | 11 <sup>h</sup> 46 | 13 <sup>h</sup> 0  | 7 <sup>h</sup> 28  | 7 <sup>h</sup> 18 | 29 <sup>h</sup> 8  | n.a. |   |
| W 6  | 18 52 46 | 12 <sup>h</sup> 16'19 | 25 <sup>h</sup> 43  | 8 <sup>h</sup> 50   | 25 <sup>h</sup> 4  | 1 <sup>h</sup> 7   | 15 <sup>h</sup> 55  | 0 <sup>h</sup> 35 | 22 <sup>h</sup> 27  | 11 <sup>h</sup> 47 | 13 <sup>h</sup> 1  | 7 <sup>h</sup> 28  | 7 <sup>h</sup> 15 | 29 <sup>h</sup> 15 | n.a. |   |
| T 7  | 18 56 42 | 13 <sup>h</sup> 13'42 | 7 <sup>h</sup> 47   | 9 <sup>h</sup> 31   | 25 <sup>h</sup> 45 | 1 <sup>h</sup> 45  | 15 <sup>h</sup> 50  | 0 <sup>h</sup> 40 | 22 <sup>h</sup> 25  | 11 <sup>h</sup> 48 | 13 <sup>h</sup> 2  | 7 <sup>h</sup> D28 | 7 <sup>h</sup> 12 | 29 <sup>h</sup> 21 | n.a. |   |
| F 8  | 19 0 39  | 14 <sup>h</sup> 11'06 | 19 <sup>h</sup> 43  | 10 <sup>h</sup> 7   | 26 <sup>h</sup> 25 | 2 <sup>h</sup> 22  | 15 <sup>h</sup> 44  | 0 <sup>h</sup> 46 | 22 <sup>h</sup> 24  | 11 <sup>h</sup> 49 | 13 <sup>h</sup> 4  | 7 <sup>h</sup> 28  | 7 <sup>h</sup> 9  | 29 <sup>h</sup> 28 | n.a. |   |
| S 9  | 19 4 36  | 15 <sup>h</sup> 8'32  | 1 <sup>h</sup> 36   | 10 <sup>h</sup> 40  | 27 <sup>h</sup> 3  | 2 <sup>h</sup> 59  | 15 <sup>h</sup> 39  | 0 <sup>h</sup> 52 | 22 <sup>h</sup> 22  | 11 <sup>h</sup> 51 | 13 <sup>h</sup> 5  | 7 <sup>h</sup> 28  | 7 <sup>h</sup> 5  | 29 <sup>h</sup> 35 | n.a. |   |
| S 10 | 19 8 32  | 16 <sup>h</sup> 5'59  | 13 <sup>h</sup> 30  | 11 <sup>h</sup> 9   | 27 <sup>h</sup> 41 | 3 <sup>h</sup> 37  | 15 <sup>h</sup> 33  | 0 <sup>h</sup> 58 | 22 <sup>h</sup> 20  | 11 <sup>h</sup> 52 | 13 <sup>h</sup> 7  | 7 <sup>h</sup> 29  | 7 <sup>h</sup> 2  | 29 <sup>h</sup> 41 | n.a. |   |
| M11  | 19 12 29 | 17 <sup>h</sup> 3'28  | 25 <sup>h</sup> 29  | 11 <sup>h</sup> 33  | 28 <sup>h</sup> 18 | 4 <sup>h</sup> 15  | 15 <sup>h</sup> 27  | 1 <sup>h</sup> 4  | 22 <sup>h</sup> 18  | 11 <sup>h</sup> 53 | 13 <sup>h</sup> 8  | 7 <sup>h</sup> 29  | 6 <sup>h</sup> 59 | 29 <sup>h</sup> 48 | n.a. |   |
| T 12 | 19 16 25 | 18 <sup>h</sup> 0'58  | 7 <sup>h</sup> 38   | 11 <sup>h</sup> 52  | 28 <sup>h</sup> 53 | 4 <sup>h</sup> 52  | 15 <sup>h</sup> 21  | 1 <sup>h</sup> 10 | 22 <sup>h</sup> 16  | 11 <sup>h</sup> 54 | 13 <sup>h</sup> 10 | 7 <sup>h</sup> 30  | 6 <sup>h</sup> 56 | 29 <sup>h</sup> 55 | n.a. |   |
| W13  | 19 20 22 | 18 <sup>h</sup> 58'30 | 20 <sup>h</sup> 0   | 12 <sup>h</sup> 7   | 29 <sup>h</sup> 27 | 5 <sup>h</sup> 30  | 15 <sup>h</sup> 14  | 1 <sup>h</sup> 16 | 22 <sup>h</sup> 15  | 11 <sup>h</sup> 55 | 13 <sup>h</sup> 11 | 7 <sup>h</sup> 31  | 6 <sup>h</sup> 53 | 0 <sup>h</sup> 2   | n.a. |   |
| T 14 | 19 24 18 | 19 <sup>h</sup> 56'02 | 2 <sup>h</sup> 36   | 12 <sup>h</sup> 17  | 0 <sup>h</sup> 0   | 6 <sup>h</sup> 8   | 15 <sup>h</sup> 8   | 1 <sup>h</sup> 22 | 22 <sup>h</sup> 13  | 11 <sup>h</sup> 56 | 13 <sup>h</sup> 13 | 7 <sup>h</sup> R32 | 6 <sup>h</sup> 50 | 0 <sup>h</sup> 8   | n.a. |   |
| F 15 | 19 28 15 | 20 <sup>h</sup> 53'36 | 15 <sup>h</sup> 30  | 12 <sup>h</sup> R22 | 0 <sup>h</sup> 31  | 6 <sup>h</sup> 46  | 15 <sup>h</sup> 2   | 1 <sup>h</sup> 28 | 22 <sup>h</sup> 11  | 11 <sup>h</sup> 57 | 13 <sup>h</sup> 14 | 7 <sup>h</sup> 32  | 6 <sup>h</sup> 46 | 0 <sup>h</sup> 15  | n.a. |   |
| S 16 | 19 32 11 | 21 <sup>h</sup> 51'12 | 28 <sup>h</sup> 40  | 12 <sup>h</sup> 21  | 1 <sup>h</sup> 1   | 7 <sup>h</sup> 24  | 14 <sup>h</sup> 55  | 1 <sup>h</sup> 34 | 22 <sup>h</sup> 9   | 11 <sup>h</sup> 58 | 13 <sup>h</sup> 16 | 7 <sup>h</sup> 31  | 6 <sup>h</sup> 43 | 0 <sup>h</sup> 22  | n.a. |   |
| S 17 | 19 36 8  | 22 <sup>h</sup> 48'48 | 12 <sup>h</sup> 6   | 12 <sup>h</sup> 16  | 1 <sup>h</sup> 30  | 8 <sup>h</sup> 2   | 14 <sup>h</sup> 48  | 1 <sup>h</sup> 40 | 22 <sup>h</sup> 7   | 11 <sup>h</sup> 59 | 13 <sup>h</sup> 18 | 7 <sup>h</sup> 29  | 6 <sup>h</sup> 40 | 0 <sup>h</sup> 28  | n.a. |   |
| M18  | 19 40 5  | 23 <sup>h</sup> 46'26 | 25 <sup>h</sup> 46  | 12 <sup>h</sup> 4   | 1 <sup>h</sup> 56  | 8 <sup>h</sup> 40  | 14 <sup>h</sup> 41  | 1 <sup>h</sup> 47 | 22 <sup>h</sup> 5   | 12 <sup>h</sup> 0  | 13 <sup>h</sup> 19 | 7 <sup>h</sup> 27  | 6 <sup>h</sup> 37 | 0 <sup>h</sup> 35  | n.a. |   |
| T 19 | 19 44 1  | 24 <sup>h</sup> 44'05 | 9 <sup>h</sup> 39   | 11 <sup>h</sup> 47  | 2 <sup>h</sup> 22  | 9 <sup>h</sup> 18  | 14 <sup>h</sup> 35  | 1 <sup>h</sup> 53 | 22 <sup>h</sup> 3   | 12 <sup>h</sup> 1  | 13 <sup>h</sup> 21 | 7 <sup>h</sup> 25  | 6 <sup>h</sup> 34 | 0 <sup>h</sup> 42  | n.a. |   |
| W20  | 19 47 58 | 25 <sup>h</sup> 41'45 | 23 <sup>h</sup> 41  | 11 <sup>h</sup> 25  | 2 <sup>h</sup> 46  | 9 <sup>h</sup> 56  | 14 <sup>h</sup> 27  | 1 <sup>h</sup> 59 | 22 <sup>h</sup> 1   | 12 <sup>h</sup> 2  | 13 <sup>h</sup> 23 | 7 <sup>h</sup> 23  | 6 <sup>h</sup> 31 | 0 <sup>h</sup> 49  | n.a. |   |
| T 21 | 19 51 54 | 26 <sup>h</sup> 39'26 | 7 <sup>h</sup> 50   | 10 <sup>h</sup> 57  | 3 <sup>h</sup> 8   | 10 <sup>h</sup> 35 | 14 <sup>h</sup> 20  | 2 <sup>h</sup> 6  | 21 <sup>h</sup> 59  | 12 <sup>h</sup> 3  | 13 <sup>h</sup> 24 | 7 <sup>h</sup> 21  | 6 <sup>h</sup> 27 | 0 <sup>h</sup> 55  | n.a. |   |
| F 22 | 19 55 51 | 27 <sup>h</sup> 37'08 | 22 <sup>h</sup> 2   | 10 <sup>h</sup> 24  | 3 <sup>h</sup> 28  | 11 <sup>h</sup> 13 | 14 <sup>h</sup> 13  | 2 <sup>h</sup> 12 | 21 <sup>h</sup> 56  | 12 <sup>h</sup> 4  | 13 <sup>h</sup> 26 | 7 <sup>h</sup> D21 | 6 <sup>h</sup> 24 | 1 <sup>h</sup> 2   | n.a. |   |
| S 23 | 19 59 47 | 28 <sup>h</sup> 34'51 | 6 <sup>h</sup> 15   | 9 <sup>h</sup> 46   | 3 <sup>h</sup> 46  | 11 <sup>h</sup> 52 | 14 <sup>h</sup> 6   | 2 <sup>h</sup> 19 | 21 <sup>h</sup> 54  | 12 <sup>h</sup> 5  | 13 <sup>h</sup> 28 | 7 <sup>h</sup> 21  | 6 <sup>h</sup> 21 | 1 <sup>h</sup> 9   | n.a. |   |
| S 24 | 20 3 44  | 29 <sup>h</sup> 32'36 | 20 <sup>h</sup> 27  | 9 <sup>h</sup> 3    | 4 <sup>h</sup> 3   | 12 <sup>h</sup> 30 | 13 <sup>h</sup> 58  | 2 <sup>h</sup> 25 | 21 <sup>h</sup> 52  | 12 <sup>h</sup> 6  | 13 <sup>h</sup> 30 | 7 <sup>h</sup> 22  | 6 <sup>h</sup> 18 | 1 <sup>h</sup> 15  | n.a. |   |
| M25  | 20 7 40  | 0 <sup>h</sup> 30'22  | 4 <sup>h</sup> 36   | 8 <sup>h</sup> 17   | 4 <sup>h</sup> 18  | 13 <sup>h</sup> 9  | 13 <sup>h</sup> 51  | 2 <sup>h</sup> 32 | 21 <sup>h</sup> 50  | 12 <sup>h</sup> 6  | 13 <sup>h</sup> 31 | 7 <sup>h</sup> 23  | 6 <sup>h</sup> 15 | 1 <sup>h</sup> 22  | n.a. |   |
| T 26 | 20 11 37 | 1 <sup>h</sup> 28'09  | 18 <sup>h</sup> 39  | 7 <sup>h</sup> 27   | 4 <sup>h</sup> 30  | 13 <sup>h</sup> 47 | 13 <sup>h</sup> 43  | 2 <sup>h</sup> 39 | 21 <sup>h</sup> 48  | 12 <sup>h</sup> 7  | 13 <sup>h</sup> 33 | 7 <sup>h</sup> 24  | 6 <sup>h</sup> 11 | 1 <sup>h</sup> 29  | n.a. |   |
| W27  | 20 15 34 | 2 <sup>h</sup> 25'57  | 2 <sup>h</sup> 34   | 6 <sup>h</sup> 35   | 4 <sup>h</sup> 41  | 14 <sup>h</sup> 26 | 13 <sup>h</sup> 36  | 2 <sup>h</sup> 45 | 21 <sup>h</sup> 46  | 12 <sup>h</sup> 8  | 13 <sup>h</sup> 35 | 7 <sup>h</sup> R25 | 6 <sup>h</sup> 8  | 1 <sup>h</sup> 36  | n.a. |   |
| T 28 | 20 19 30 | 3 <sup>h</sup> 23'47  | 16 <sup>h</sup> 19  | 5 <sup>h</sup> 42   | 4 <sup>h</sup> 49  | 15 <sup>h</sup> 5  | 13 <sup>h</sup> 28  | 2 <sup>h</sup> 52 | 21 <sup>h</sup> 43  | 12 <sup>h</sup> 8  | 13 <sup>h</sup> 37 | 7 <sup>h</sup> 25  | 6 <sup>h</sup> 5  | 1 <sup>h</sup> 42  | n.a. |   |
| F 29 | 20 23 27 | 4 <sup>h</sup> 21'39  | 29 <sup>h</sup> 51  | 4 <sup>h</sup> 48   | 4 <sup>h</sup> 55  | 15 <sup>h</sup> 44 | 13 <sup>h</sup> 21  | 2 <sup>h</sup> 59 | 21 <sup>h</sup> 41  | 12 <sup>h</sup> 9  | 13 <sup>h</sup> 39 | 7 <sup>h</sup> 23  | 6 <sup>h</sup> 2  | 1 <sup>h</sup> 49  | n.a. |   |
| S 30 | 20 27 23 | 5 <sup>h</sup> 19'32  | 13 <sup>h</sup> 9   | 3 <sup>h</sup> 55   | 4 <sup>h</sup> 59  | 16 <sup>h</sup> 23 | 13 <sup>h</sup> 13  | 3 <sup>h</sup> 6  | 21 <sup>h</sup> 39  | 12 <sup>h</sup> 10 | 13 <sup>h</sup> 41 | 7 <sup>h</sup> 21  | 5 <sup>h</sup> 59 | 1 <sup>h</sup> 56  | n.a. |   |
| S 31 | 20 31 20 | 6 <sup>h</sup> 17'26  | 26 <sup>h</sup> 10  | 3 <sup>h</sup> 3    | 5 <sup>h</sup> R 1 | 17 <sup>h</sup> 2  | 13 <sup>h</sup> 5   | 3 <sup>h</sup> 12 | 21 <sup>h</sup> 37  | 12 <sup>h</sup> 10 | 13 <sup>h</sup> 43 | 7 <sup>h</sup> 17  | 5 <sup>h</sup> 56 | 2 <sup>h</sup> 2   | n.a. |   |

Delta T = 02h16m29s

Julian Calendar 1 July 242 == Greg. Calendar 1 July 242

AUGUST 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉                     | ☽                  | ♀                   | ♁                   | ♂                  | ♃                   | ♅                 | ♁                   | ♁                   | ♁                  | ♁                  | ♁                 | ♁                 | ♁    | ♁ |
|------|----------|-----------------------|--------------------|---------------------|---------------------|--------------------|---------------------|-------------------|---------------------|---------------------|--------------------|--------------------|-------------------|-------------------|------|---|
| M 1  | 20 35 16 | 7 <sup>h</sup> 15'22  | 8 <sup>h</sup> 55  | 2 <sup>h</sup> R15  | 5 <sup>h</sup> R 0  | 17 <sup>h</sup> 41 | 12 <sup>h</sup> R57 | 3 <sup>h</sup> 19 | 21 <sup>h</sup> R34 | 12 <sup>h</sup> 11  | 13 <sup>h</sup> 45 | 7 <sup>h</sup> R12 | 5 <sup>h</sup> 52 | 2 <sup>h</sup> 9  | n.a. |   |
| T 2  | 20 39 13 | 8 <sup>h</sup> 13'20  | 21 <sup>h</sup> 24 | 1 <sup>h</sup> 30   | 4 <sup>h</sup> 57   | 18 <sup>h</sup> 20 | 12 <sup>h</sup> 49  | 3 <sup>h</sup> 26 | 21 <sup>h</sup> 32  | 12 <sup>h</sup> 11  | 13 <sup>h</sup> 47 | 7 <sup>h</sup> 7   | 5 <sup>h</sup> 49 | 2 <sup>h</sup> 16 | n.a. |   |
| W 3  | 20 43 9  | 9 <sup>h</sup> 11'20  | 3 <sup>h</sup> 39  | 0 <sup>h</sup> 51   | 4 <sup>h</sup> 52   | 18 <sup>h</sup> 59 | 12 <sup>h</sup> 41  | 3 <sup>h</sup> 33 | 21 <sup>h</sup> 30  | 12 <sup>h</sup> 12  | 13 <sup>h</sup> 49 | 7 <sup>h</sup> 2   | 5 <sup>h</sup> 46 | 2 <sup>h</sup> 23 | n.a. |   |
| T 4  | 20 47 6  | 10 <sup>h</sup> 9'22  | 15 <sup>h</sup> 42 | 0 <sup>h</sup> 17   | 4 <sup>h</sup> 44   | 19 <sup>h</sup> 39 | 12 <sup>h</sup> 33  | 3 <sup>h</sup> 40 | 21 <sup>h</sup> 27  | 12 <sup>h</sup> 12  | 13 <sup>h</sup> 51 | 6 <sup>h</sup> 58  | 5 <sup>h</sup> 43 | 2 <sup>h</sup> 29 | n.a. |   |
| F 5  | 20 51 3  | 11 <sup>h</sup> 7'26  | 27 <sup>h</sup> 38 | 29 <sup>h</sup> 50  | 4 <sup>h</sup> 34   | 20 <sup>h</sup> 18 | 12 <sup>h</sup> 26  | 3 <sup>h</sup> 47 | 21 <sup>h</sup> 25  | 12 <sup>h</sup> 13  | 13 <sup>h</sup> 53 | 6 <sup>h</sup> 56  | 5 <sup>h</sup> 40 | 2 <sup>h</sup> 36 | n.a. |   |
| S 6  | 20 54 59 | 12 <sup>h</sup> 5'31  | 9 <sup>h</sup> 30  | 29 <sup>h</sup> 30  | 4 <sup>h</sup> 22   | 20 <sup>h</sup> 57 | 12 <sup>h</sup> 18  | 3 <sup>h</sup> 54 | 21 <sup>h</sup> 23  | 12 <sup>h</sup> 13  | 13 <sup>h</sup> 55 | 6 <sup>h</sup> D55 | 5 <sup>h</sup> 37 | 2 <sup>h</sup> 43 | n.a. |   |
| S 7  | 20 58 56 | 13 <sup>h</sup> 3'39  | 21 <sup>h</sup> 23 | 29 <sup>h</sup> 19  | 4 <sup>h</sup> 7    | 21 <sup>h</sup> 37 | 12 <sup>h</sup> 10  | 4 <sup>h</sup> 1  | 21 <sup>h</sup> 20  | 12 <sup>h</sup> 13  | 13 <sup>h</sup> 57 | 6 <sup>h</sup> 55  | 5 <sup>h</sup> 33 | 2 <sup>h</sup> 49 | n.a. |   |
| M 8  | 21 2 52  | 14 <sup>h</sup> 1'49  | 3 <sup>h</sup> 22  | 29 <sup>h</sup> D15 | 3 <sup>h</sup> 50   | 22 <sup>h</sup> 16 | 12 <sup>h</sup> 2   | 4 <sup>h</sup> 8  | 21 <sup>h</sup> 18  | 12 <sup>h</sup> 13  | 13 <sup>h</sup> 59 | 6 <sup>h</sup> 56  | 5 <sup>h</sup> 30 | 2 <sup>h</sup> 56 | n.a. |   |
| T 9  | 21 6 49  | 15 <sup>h</sup> 0'01  | 15 <sup>h</sup> 33 | 29 <sup>h</sup> 21  | 3 <sup>h</sup> 31   | 22 <sup>h</sup> 56 | 11 <sup>h</sup> 54  | 4 <sup>h</sup> 15 | 21 <sup>h</sup> 16  | 12 <sup>h</sup> 14  | 14 <sup>h</sup> 1  | 6 <sup>h</sup> 58  | 5 <sup>h</sup> 27 | 3 <sup>h</sup> 3  | n.a. |   |
| W10  | 21 10 45 | 15 <sup>h</sup> 58'16 | 27 <sup>h</sup> 59 | 29 <sup>h</sup> 35  | 3 <sup>h</sup> 9    | 23 <sup>h</sup> 36 | 11 <sup>h</sup> 46  | 4 <sup>h</sup> 22 | 21 <sup>h</sup> 13  | 12 <sup>h</sup> 14  | 14 <sup>h</sup> 3  | 6 <sup>h</sup> 59  | 5 <sup>h</sup> 24 | 3 <sup>h</sup> 10 | n.a. |   |
| T 11 | 21 14 42 | 16 <sup>h</sup> 56'32 | 10 <sup>h</sup> 44 | 29 <sup>h</sup> 57  | 2 <sup>h</sup> 46   | 24 <sup>h</sup> 16 | 11 <sup>h</sup> 38  | 4 <sup>h</sup> 29 | 21 <sup>h</sup> 11  | 12 <sup>h</sup> 14  | 14 <sup>h</sup> 5  | 6 <sup>h</sup> R59 | 5 <sup>h</sup> 21 | 3 <sup>h</sup> 16 | n.a. |   |
| F 12 | 21 18 38 | 17 <sup>h</sup> 54'50 | 23 <sup>h</sup> 50 | 0 <sup>h</sup> L29  | 2 <sup>h</sup> 20   | 24 <sup>h</sup> 55 | 11 <sup>h</sup> 30  | 4 <sup>h</sup> 37 | 21 <sup>h</sup> 8   | 12 <sup>h</sup> 14  | 14 <sup>h</sup> 7  | 6 <sup>h</sup> 58  | 5 <sup>h</sup> 17 | 3 <sup>h</sup> 23 | n.a. |   |
| S 13 | 21 22 35 | 18 <sup>h</sup> 53'10 | 7 <sup>h</sup> 19  | 1 <sup>h</sup> 8    | 1 <sup>h</sup> 52   | 25 <sup>h</sup> 35 | 11 <sup>h</sup> 22  | 4 <sup>h</sup> 44 | 21 <sup>h</sup> 6   | 12 <sup>h</sup> 14  | 14 <sup>h</sup> 9  | 6 <sup>h</sup> 55  | 5 <sup>h</sup> 14 | 3 <sup>h</sup> 30 | n.a. |   |
| S 14 | 21 26 32 | 19 <sup>h</sup> 51'32 | 21 <sup>h</sup> 9  | 1 <sup>h</sup> 56   | 1 <sup>h</sup> 23   | 26 <sup>h</sup> 15 | 11 <sup>h</sup> 15  | 4 <sup>h</sup> 51 | 21 <sup>h</sup> 4   | 12 <sup>h</sup> 15  | 14 <sup>h</sup> 12 | 6 <sup>h</sup> 50  | 5 <sup>h</sup> 11 | 3 <sup>h</sup> 36 | n.a. |   |
| M15  | 21 30 28 | 20 <sup>h</sup> 49'56 | 5 <sup>h</sup> 17  | 2 <sup>h</sup> 52   | 0 <sup>h</sup> 52   | 26 <sup>h</sup> 55 | 11 <sup>h</sup> 7   | 4 <sup>h</sup> 58 | 21 <sup>h</sup> 1   | 12 <sup>h</sup> 15  | 14 <sup>h</sup> 14 | 6 <sup>h</sup> 43  | 5 <sup>h</sup> 8  | 3 <sup>h</sup> 43 | n.a. |   |
| T 16 | 21 34 25 | 21 <sup>h</sup> 48'22 | 19 <sup>h</sup> 38 | 3 <sup>h</sup> 54   | 0 <sup>h</sup> 20   | 27 <sup>h</sup> 35 | 10 <sup>h</sup> 59  | 5 <sup>h</sup> 5  | 20 <sup>h</sup> 59  | 12 <sup>h</sup> R15 | 14 <sup>h</sup> 16 | 6 <sup>h</sup> 36  | 5 <sup>h</sup> 5  | 3 <sup>h</sup> 50 | n.a. |   |
| W17  | 21 38 21 | 22 <sup>h</sup> 46'50 | 4 <sup>h</sup> 6   | 5 <sup>h</sup> 4    | 29 <sup>h</sup> L46 | 28 <sup>h</sup> 16 | 10 <sup>h</sup> 52  | 5 <sup>h</sup> 13 | 20 <sup>h</sup> 56  | 12 <sup>h</sup> 15  | 14 <sup>h</sup> 18 | 6 <sup>h</sup> 29  | 5 <sup>h</sup> 2  | 3 <sup>h</sup> 56 | n.a. |   |
| T 18 | 21 42 18 | 23 <sup>h</sup> 45'19 | 18 <sup>h</sup> 35 | 6 <sup>h</sup> 20   | 29 <sup>h</sup> 11  | 28 <sup>h</sup> 56 | 10 <sup>h</sup> 44  | 5 <sup>h</sup> 20 | 20 <sup>h</sup> 54  | 12 <sup>h</sup> 15  | 14 <sup>h</sup> 20 | 6 <sup>h</sup> 24  | 4 <sup>h</sup> 58 | 4 <sup>h</sup> 3  | n.a. |   |
| F 19 | 21 46 14 | 24 <sup>h</sup> 43'50 | 3 <sup>h</sup> 0   | 7 <sup>h</sup> 42   | 28 <sup>h</sup> 35  | 29                 |                     |                   |                     |                     |                    |                    |                   |                   |      |   |

SWISS EPHEMERIS for the year 242

SEPTEMBER 242 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁      | ♂     | ♃     | ♅     | ♁      | ♁      | ♁     | ♁     | ♁    | ♁    | ♁    |
|------|----------|----------|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|------|------|------|
| T 1  | 22 37 30 | 7♎27'21  | 23♋46 | 0♎0   | 21°R18 | 8♂26  | 9°R 8 | 7♎2   | 20°R21 | 12°R11 | 14♎52 | 5°R16 | 4♂14 | 5♂37 | n.a. |
| F 2  | 22 41 26 | 8°26'19  | 5♂39  | 1°50  | 20♉54  | 9° 8  | 9♁ 2  | 7°10  | 20♁19  | 12♂10  | 14°54 | 5♂ 9  | 4°11 | 5°44 | n.a. |
| S 3  | 22 45 23 | 9°25'20  | 17°29 | 3°39  | 20°32  | 9°49  | 8°56  | 7°17  | 20°17  | 12°10  | 14°57 | 5° 4  | 4° 8 | 5°50 | n.a. |
| S 4  | 22 49 19 | 10°24'23 | 29°20 | 5°28  | 20°13  | 10°30 | 8°51  | 7°25  | 20°14  | 12° 9  | 14°59 | 5° 1  | 4° 4 | 5°57 | n.a. |
| M 5  | 22 53 16 | 11°23'28 | 11♐17 | 7°17  | 19°55  | 11°12 | 8°45  | 7°32  | 20°12  | 12° 8  | 15° 1 | 5°D 1 | 4° 1 | 6° 4 | n.a. |
| T 6  | 22 57 12 | 12°22'36 | 23°25 | 9° 5  | 19°40  | 11°53 | 8°40  | 7°39  | 20°10  | 12° 8  | 15° 4 | 5° 1  | 3°58 | 6°11 | n.a. |
| W 7  | 23 1 9   | 13°21'46 | 5♂49  | 10°52 | 19°28  | 12°35 | 8°35  | 7°47  | 20° 8  | 12° 7  | 15° 6 | 5°R 1 | 3°55 | 6°17 | n.a. |
| T 8  | 23 5 5   | 14°20'59 | 18°35 | 12°39 | 19°18  | 13°17 | 8°29  | 7°54  | 20° 6  | 12° 6  | 15° 8 | 5° 0  | 3°52 | 6°24 | n.a. |
| F 9  | 23 9 2   | 15°20'14 | 1♉46  | 14°25 | 19°10  | 13°58 | 8°25  | 8° 1  | 20° 4  | 12° 6  | 15°11 | 4°58  | 3°49 | 6°31 | n.a. |
| S 10 | 23 12 59 | 16°19'31 | 15°24 | 16°10 | 19° 5  | 14°40 | 8°20  | 8° 9  | 20° 2  | 12° 5  | 15°13 | 4°52  | 3°45 | 6°37 | n.a. |
| S 11 | 23 16 55 | 17°18'51 | 29°29 | 17°55 | 19° 2  | 15°22 | 8°15  | 8°16  | 19°59  | 12° 4  | 15°16 | 4°44  | 3°42 | 6°44 | n.a. |
| M12  | 23 20 52 | 18°18'13 | 13♎58 | 19°39 | 19°D 1 | 16° 4 | 8°11  | 8°23  | 19°57  | 12° 3  | 15°18 | 4°34  | 3°39 | 6°51 | n.a. |
| T 13 | 23 24 48 | 19°17'37 | 28°44 | 21°22 | 19° 3  | 16°46 | 8° 7  | 8°30  | 19°55  | 12° 2  | 15°20 | 4°23  | 3°36 | 6°57 | n.a. |
| W14  | 23 28 45 | 20°17'03 | 13♁39 | 23° 4 | 19° 8  | 17°28 | 8° 3  | 8°38  | 19°53  | 12° 1  | 15°23 | 4°12  | 3°33 | 7° 4 | n.a. |
| T 15 | 23 32 41 | 21°16'31 | 28°34 | 24°46 | 19°14  | 18°10 | 7°59  | 8°45  | 19°51  | 12° 0  | 15°25 | 4° 3  | 3°29 | 7°11 | n.a. |
| F 16 | 23 36 38 | 22°16'01 | 13♎20 | 26°26 | 19°23  | 18°52 | 7°55  | 8°52  | 19°50  | 11°59  | 15°27 | 3°56  | 3°26 | 7°18 | n.a. |
| S 17 | 23 40 34 | 23°15'33 | 27°51 | 28° 6 | 19°34  | 19°34 | 7°52  | 8°59  | 19°48  | 11°59  | 15°29 | 3°51  | 3°23 | 7°24 | n.a. |
| S 18 | 23 44 31 | 24°15'06 | 12♁ 3 | 29°46 | 19°47  | 20°17 | 7°48  | 9° 7  | 19°46  | 11°58  | 15°32 | 3°49  | 3°20 | 7°31 | n.a. |
| M19  | 23 48 28 | 25°14'42 | 25°56 | 1♁24  | 20° 2  | 20°59 | 7°45  | 9°14  | 19°44  | 11°56  | 15°34 | 3°49  | 3°17 | 7°38 | n.a. |
| T 20 | 23 52 24 | 26°14'19 | 9♂29  | 3° 2  | 20°19  | 21°41 | 7°42  | 9°21  | 19°42  | 11°55  | 15°36 | 3°49  | 3°14 | 7°44 | n.a. |
| W21  | 23 56 21 | 27°13'58 | 22°46 | 4°40  | 20°38  | 22°24 | 7°40  | 9°28  | 19°40  | 11°54  | 15°39 | 3°48  | 3°10 | 7°51 | n.a. |
| T 22 | 0 0 17   | 28°13'39 | 5♁48  | 6°16  | 20°59  | 23° 6 | 7°37  | 9°35  | 19°39  | 11°53  | 15°41 | 3°45  | 3° 7 | 7°58 | n.a. |
| F 23 | 0 4 14   | 29°13'22 | 18°37 | 7°52  | 21°22  | 23°49 | 7°35  | 9°42  | 19°37  | 11°52  | 15°43 | 3°39  | 3° 4 | 8° 4 | n.a. |
| S 24 | 0 8 10   | 0♁13'06  | 1♁15  | 9°27  | 21°47  | 24°32 | 7°33  | 9°49  | 19°35  | 11°51  | 15°46 | 3°30  | 3° 1 | 8°11 | n.a. |
| S 25 | 0 12 7   | 1°12'53  | 13°43 | 11° 2 | 22°13  | 25°15 | 7°31  | 9°57  | 19°34  | 11°50  | 15°48 | 3°18  | 2°58 | 8°18 | n.a. |
| M26  | 0 16 3   | 2°12'41  | 26° 1 | 12°36 | 22°41  | 25°57 | 7°29  | 10° 4 | 19°32  | 11°49  | 15°50 | 3° 5  | 2°54 | 8°25 | n.a. |
| T 27 | 0 20 0   | 3°12'32  | 8♋12  | 14°10 | 23°11  | 26°40 | 7°28  | 10°11 | 19°31  | 11°47  | 15°52 | 2°50  | 2°51 | 8°31 | n.a. |
| W28  | 0 23 56  | 4°12'24  | 20°14 | 15°43 | 23°42  | 27°23 | 7°26  | 10°17 | 19°29  | 11°46  | 15°55 | 2°36  | 2°48 | 8°38 | n.a. |
| T 29 | 0 27 53  | 5°12'19  | 2♁10  | 17°15 | 24°15  | 28° 6 | 7°25  | 10°24 | 19°28  | 11°45  | 15°57 | 2°23  | 2°45 | 8°45 | n.a. |
| F 30 | 0 31 50  | 6°12'15  | 14♁ 0 | 18♁47 | 24♉49  | 28♁49 | 7♁24  | 10♎31 | 19♁26  | 11♁43  | 15♎59 | 2♁13  | 2♁42 | 8♁51 | n.a. |

Delta T = 02h16m28s

Julian Calendar 1 Sept. 242 == Greg. Calendar 1 Sept. 242

OCTOBER 242 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁      | ♁      | ♁     | ♁      | ♁    | ♁     | ♁    |
|------|---------|----------|-------|-------|-------|-------|-------|-------|--------|--------|-------|--------|------|-------|------|
| S 1  | 0 35 46 | 7♁12'14  | 25♂49 | 20♁19 | 25♉25 | 29♁32 | 7°R24 | 10♎38 | 19°R25 | 11°R42 | 16♎1  | 2°R 6  | 2♂39 | 8♁58  | n.a. |
| S 2  | 0 39 43 | 8°12'15  | 7♐38  | 21°50 | 26° 1 | 0♎15  | 7♁23  | 10°45 | 19°23  | 11♁41  | 16° 4 | 2♂ 1   | 2°35 | 9° 5  | n.a. |
| M 3  | 0 43 39 | 9°12'19  | 19°33 | 23°20 | 26°40 | 0°59  | 7°23  | 10°52 | 19°22  | 11°39  | 16° 6 | 1°59   | 2°32 | 9°11  | n.a. |
| T 4  | 0 47 36 | 10°12'24 | 1♁38  | 24°50 | 27°19 | 1°42  | 7°D23 | 10°59 | 19°21  | 11°38  | 16° 8 | 1°D59  | 2°29 | 9°18  | n.a. |
| W 5  | 0 51 32 | 11°12'32 | 13°59 | 26°19 | 28° 0 | 2°25  | 7°23  | 11° 5 | 19°20  | 11°37  | 16°10 | 1°R59  | 2°26 | 9°25  | n.a. |
| T 6  | 0 55 29 | 12°12'42 | 26°40 | 27°48 | 28°42 | 3° 9  | 7°23  | 11°12 | 19°19  | 11°35  | 16°12 | 1°58   | 2°23 | 9°31  | n.a. |
| F 7  | 0 59 25 | 13°12'54 | 9♉46  | 29°16 | 29°25 | 3°52  | 7°24  | 11°19 | 19°17  | 11°34  | 16°14 | 1°56   | 2°20 | 9°38  | n.a. |
| S 8  | 1 3 22  | 14°13'08 | 23°22 | 0♎44  | 0♎ 9  | 4°36  | 7°24  | 11°25 | 19°16  | 11°32  | 16°17 | 1°51   | 2°16 | 9°45  | n.a. |
| S 9  | 1 7 19  | 15°13'25 | 7♎28  | 2°11  | 0°54  | 5°19  | 7°25  | 11°32 | 19°15  | 11°31  | 16°19 | 1°43   | 2°13 | 9°52  | n.a. |
| M10  | 1 11 15 | 16°13'43 | 22° 3 | 3°38  | 1°40  | 6° 3  | 7°26  | 11°38 | 19°14  | 11°29  | 16°21 | 1°33   | 2°10 | 9°58  | n.a. |
| T 11 | 1 15 12 | 17°14'03 | 7♁ 0  | 5° 4  | 2°27  | 6°47  | 7°28  | 11°45 | 19°13  | 11°28  | 16°23 | 1°22   | 2° 7 | 10° 5 | n.a. |
| W12  | 1 19 8  | 18°14'25 | 22°11 | 6°29  | 3°14  | 7°31  | 7°29  | 11°51 | 19°12  | 11°26  | 16°25 | 1°11   | 2° 4 | 10°12 | n.a. |
| T 13 | 1 23 5  | 19°14'49 | 7♎26  | 7°54  | 4° 3  | 8°14  | 7°31  | 11°58 | 19°12  | 11°25  | 16°27 | 1° 1   | 2° 0 | 10°18 | n.a. |
| F 14 | 1 27 1  | 20°15'15 | 22°33 | 9°17  | 4°53  | 8°58  | 7°33  | 12° 4 | 19°11  | 11°23  | 16°29 | 0°54   | 1°57 | 10°25 | n.a. |
| S 15 | 1 30 58 | 21°15'43 | 7♁23  | 10°40 | 5°43  | 9°42  | 7°35  | 12°10 | 19°10  | 11°22  | 16°31 | 0°50   | 1°54 | 10°32 | n.a. |
| S 16 | 1 34 54 | 22°16'11 | 21°51 | 12° 2 | 6°34  | 10°26 | 7°38  | 12°16 | 19° 9  | 11°20  | 16°33 | 0°48   | 1°51 | 10°38 | n.a. |
| M17  | 1 38 51 | 23°16'42 | 5♂54  | 13°23 | 7°26  | 11°10 | 7°40  | 12°23 | 19° 9  | 11°19  | 16°35 | 0°D47  | 1°48 | 10°45 | n.a. |
| T 18 | 1 42 48 | 24°17'13 | 19°31 | 14°43 | 8°19  | 11°55 | 7°43  | 12°29 | 19° 8  | 11°17  | 16°37 | 0°R48  | 1°45 | 10°52 | n.a. |
| W19  | 1 46 44 | 25°17'46 | 2♁46  | 16° 2 | 9°12  | 12°39 | 7°46  | 12°35 | 19° 7  | 11°15  | 16°39 | 0°48   | 1°41 | 10°59 | n.a. |
| T 20 | 1 50 41 | 26°18'20 | 15°40 | 17°19 | 10° 6 | 13°23 | 7°49  | 12°41 | 19° 7  | 11°14  | 16°41 | 0°46   | 1°38 | 11° 5 | n.a. |
| F 21 | 1 54 37 | 27°18'56 | 28°19 | 18°35 | 11° 1 | 14° 7 | 7°52  | 12°47 | 19° 6  | 11°12  | 16°43 | 0°41   | 1°35 | 11°12 | n.a. |
| S 22 | 1 58 34 | 28°19'33 | 10♁44 | 19°48 | 11°56 | 14°52 | 7°56  | 12°53 | 19° 6  | 11°10  | 16°45 | 0°34   | 1°32 | 11°19 | n.a. |
| S 23 | 2 2 30  | 29°20'11 | 22°58 | 21° 0 | 12°52 | 15°36 | 8° 0  | 12°58 | 19° 6  | 11° 9  | 16°46 | 0°25   | 1°29 | 11°25 | n.a. |
| M24  | 2 6 27  | 0♎20'50  | 5♋ 5  | 22°10 | 13°49 | 16°21 | 8° 3  | 13° 4 | 19° 5  | 11° 7  | 16°48 | 0°14   | 1°25 | 11°32 | n.a. |
| T 25 | 2 10 23 | 1°21'31  | 17° 5 | 23°17 | 14°46 | 17° 5 | 8° 8  | 13°10 | 19° 5  | 11° 5  | 16°50 | 0° 2   | 1°22 | 11°39 | n.a. |
| W26  | 2 14 20 | 2°22'13  | 29° 1 | 24°21 | 15°44 | 17°50 | 8°12  | 13°16 | 19° 5  | 11° 4  | 16°52 | 29♁50  | 1°19 | 11°45 | n.a. |
| T 27 | 2 18 17 | 3°22'57  | 10♁53 | 25°22 | 16°42 | 18°34 | 8°16  | 13°21 | 19° 5  | 11° 2  | 16°54 | 29°40  | 1°16 | 11°52 | n.a. |
| F 28 | 2 22 13 | 4°23'42  | 22°42 | 26°19 | 17°41 | 19°19 | 8°21  | 13°27 | 19° 5  | 11° 0  | 16°55 | 29°32  | 1°13 | 11°59 | n.a. |
| S 29 | 2 26 10 | 5°24'29  | 4♐32  | 27°11 | 18°40 | 20° 4 | 8°26  | 13°32 | 19° 5  | 10°59  | 16°57 | 29°26  | 1°10 | 12° 5 | n.a. |
| S 30 | 2 30 6  | 6°25'17  | 16°24 | 27°59 | 19°40 | 20°49 | 8°31  | 13°38 | 19°D 5 | 10°57  | 16°59 | 29°22  | 1° 6 | 12°12 | n.a. |
| M31  | 2 34 3  | 7♎26'07  | 28♐21 | 28♎41 | 20♎40 | 21♎33 | 8♁36  | 13♎43 | 19♁ 5  | 10♁55  | 17♎1  | 29°D21 | 1♁ 3 | 12♁19 | n.a. |

Delta T = 02h16m27s

Julian Calendar

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SWISS EPHEMERIS for the year 242

NOVEMBER 242 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♁     | ♂     | ♃     | ♄     | ♅     | ♆      | ♇     | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| T 1  | 2 37 59 | 8♈26'58  | 10♉27 | 29♈18  | 21♈41 | 22♈18 | 8♈41  | 13♈48 | 19♈5  | 10♈R54 | 17♈2  | 29♈22  | 1♉0   | 12♉25 | n.a. |   |   |   |   |   |   |   |   |
| W 2  | 2 41 56 | 9°27'51  | 22°47 | 29°47  | 22°42 | 23°3  | 8°47  | 13°53 | 19°5  | 10♈52  | 17°4  | 29°23  | 0°57  | 12°32 | n.a. |   |   |   |   |   |   |   |   |
| T 3  | 2 45 52 | 10°28'45 | 5♈25  | 0♈7 8  | 23°43 | 23°48 | 8°53  | 13°59 | 19°5  | 10°50  | 17°5  | 29°R24 | 0°54  | 12°39 | n.a. |   |   |   |   |   |   |   |   |
| F 4  | 2 49 49 | 11°29'41 | 18°25 | 0°21   | 24°45 | 24°33 | 8°59  | 14°4  | 19°5  | 10°48  | 17°7  | 29°24  | 0°51  | 12°46 | n.a. |   |   |   |   |   |   |   |   |
| S 5  | 2 53 46 | 12°30'38 | 1♈52  | 0°R25  | 25°47 | 25°19 | 9°5   | 14°9  | 19°6  | 10°47  | 17°8  | 29°22  | 0°47  | 12°52 | n.a. |   |   |   |   |   |   |   |   |
| S 6  | 2 57 42 | 13°31'37 | 15°48 | 0°18   | 26°50 | 26°4  | 9°11  | 14°13 | 19°6  | 10°45  | 17°10 | 29°18  | 0°44  | 12°59 | n.a. |   |   |   |   |   |   |   |   |
| M 7  | 3 1 39  | 14°32'36 | 0♈12  | 0°1    | 27°53 | 26°49 | 9°17  | 14°18 | 19°6  | 10°43  | 17°11 | 29°13  | 0°41  | 13°6  | n.a. |   |   |   |   |   |   |   |   |
| T 8  | 3 5 35  | 15°33'37 | 15°2  | 29♈32  | 28°57 | 27°34 | 9°24  | 14°23 | 19°7  | 10°42  | 17°13 | 29°6   | 0°38  | 13°12 | n.a. |   |   |   |   |   |   |   |   |
| W 9  | 3 9 32  | 16°34'40 | 0♈11  | 28°52  | 0♈0   | 28°20 | 9°31  | 14°28 | 19°7  | 10°40  | 17°14 | 28°59  | 0°35  | 13°19 | n.a. |   |   |   |   |   |   |   |   |
| T 10 | 3 13 28 | 17°35'43 | 15°29 | 28°2   | 1°5   | 29°5  | 9°38  | 14°32 | 19°8  | 10°38  | 17°16 | 28°53  | 0°31  | 13°26 | n.a. |   |   |   |   |   |   |   |   |
| F 11 | 3 17 25 | 18°36'48 | 0♈44  | 27°1   | 2°9   | 29°50 | 9°45  | 14°37 | 19°8  | 10°37  | 17°17 | 28°48  | 0°28  | 13°32 | n.a. |   |   |   |   |   |   |   |   |
| S 12 | 3 21 21 | 19°37'53 | 15°48 | 25°52  | 3°14  | 0♈36  | 9°52  | 14°41 | 19°9  | 10°35  | 17°18 | 28°46  | 0°25  | 13°39 | n.a. |   |   |   |   |   |   |   |   |
| S 13 | 3 25 18 | 20°38'59 | 0♈31  | 24°35  | 4°19  | 1°21  | 9°59  | 14°46 | 19°10 | 10°33  | 17°20 | 28°D45 | 0°22  | 13°46 | n.a. |   |   |   |   |   |   |   |   |
| M14  | 3 29 15 | 21°40'06 | 14°48 | 23°14  | 5°24  | 2°7   | 10°7  | 14°50 | 19°11 | 10°32  | 17°21 | 28°46  | 0°19  | 13°52 | n.a. |   |   |   |   |   |   |   |   |
| T 15 | 3 33 11 | 22°41'14 | 28°38 | 21°51  | 6°30  | 2°53  | 10°15 | 14°54 | 19°11 | 10°30  | 17°22 | 28°47  | 0°16  | 13°59 | n.a. |   |   |   |   |   |   |   |   |
| W16  | 3 37 8  | 23°42'21 | 12♈0  | 20°29  | 7°36  | 3°38  | 10°22 | 14°58 | 19°12 | 10°28  | 17°24 | 28°49  | 0°12  | 14°6  | n.a. |   |   |   |   |   |   |   |   |
| T 17 | 3 41 4  | 24°43'29 | 24°59 | 19°11  | 8°42  | 4°24  | 10°30 | 15°2  | 19°13 | 10°27  | 17°25 | 28°R49 | 0°9   | 14°12 | n.a. |   |   |   |   |   |   |   |   |
| F 18 | 3 45 1  | 25°44'38 | 7♈36  | 17°59  | 9°48  | 5°10  | 10°39 | 15°6  | 19°14 | 10°25  | 17°26 | 28°49  | 0°6   | 14°19 | n.a. |   |   |   |   |   |   |   |   |
| S 19 | 3 48 57 | 26°45'47 | 19°57 | 16°55  | 10°55 | 5°56  | 10°47 | 15°10 | 19°15 | 10°23  | 17°27 | 28°46  | 0°3   | 14°26 | n.a. |   |   |   |   |   |   |   |   |
| S 20 | 3 52 54 | 27°46'56 | 2♈5   | 16°0   | 12°1  | 6°41  | 10°55 | 15°14 | 19°16 | 10°22  | 17°28 | 28°43  | 0°0   | 14°33 | n.a. |   |   |   |   |   |   |   |   |
| M21  | 3 56 50 | 28°48'06 | 14°5  | 15°16  | 13°8  | 7°27  | 11°4  | 15°17 | 19°17 | 10°20  | 17°29 | 28°38  | 29♈57 | 14°39 | n.a. |   |   |   |   |   |   |   |   |
| T 22 | 4 0 47  | 29°49'16 | 25°59 | 14°43  | 14°16 | 8°13  | 11°13 | 15°21 | 19°19 | 10°19  | 17°30 | 28°32  | 29°53 | 14°46 | n.a. |   |   |   |   |   |   |   |   |
| W23  | 4 4 44  | 0♈50'26  | 7♈49  | 14°22  | 15°23 | 8°59  | 11°22 | 15°24 | 19°20 | 10°17  | 17°31 | 28°27  | 29°50 | 14°53 | n.a. |   |   |   |   |   |   |   |   |
| T 24 | 4 8 40  | 1°51'37  | 19°40 | 14°10  | 16°31 | 9°45  | 11°31 | 15°28 | 19°21 | 10°15  | 17°32 | 28°22  | 29°47 | 14°59 | n.a. |   |   |   |   |   |   |   |   |
| F 25 | 4 12 37 | 2°52'48  | 1♈31  | 14°D 9 | 17°39 | 10°31 | 11°40 | 15°31 | 19°22 | 10°14  | 17°33 | 28°19  | 29°44 | 15°6  | n.a. |   |   |   |   |   |   |   |   |
| S 26 | 4 16 33 | 3°54'00  | 13°26 | 14°18  | 18°47 | 11°17 | 11°49 | 15°34 | 19°24 | 10°12  | 17°34 | 28°16  | 29°41 | 15°13 | n.a. |   |   |   |   |   |   |   |   |
| S 27 | 4 20 30 | 4°55'12  | 25°25 | 14°35  | 19°55 | 12°4  | 11°58 | 15°37 | 19°25 | 10°11  | 17°35 | 28°D15 | 29°37 | 15°19 | n.a. |   |   |   |   |   |   |   |   |
| M28  | 4 24 26 | 5°56'24  | 7♈32  | 15°0   | 21°4  | 12°50 | 12°8  | 15°40 | 19°27 | 10°9   | 17°36 | 28°16  | 29°34 | 15°26 | n.a. |   |   |   |   |   |   |   |   |
| T 29 | 4 28 23 | 6°57'37  | 19°47 | 15°32  | 22°13 | 13°36 | 12°18 | 15°43 | 19°28 | 10°8   | 17°37 | 28°17  | 29°31 | 15°33 | n.a. |   |   |   |   |   |   |   |   |
| W30  | 4 32 19 | 7♈58'50  | 2♈15  | 16♈11  | 23♈22 | 14♈22 | 12♈27 | 15♈46 | 19♈30 | 10♈6   | 17♈37 | 28♈18  | 29♈28 | 15♈39 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 02h16m27s

Julian Calendar 1 Nov. 242 == Greg. Calendar 1 Nov. 242

DECEMBER 242 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♄      | ♅     | ♆      | ♇      | ♈      | ♉     | ♊     | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|-------|-------|-------|-------|--------|-------|--------|--------|--------|-------|-------|------|---|---|---|---|---|---|---|---|
| T 1  | 4 36 16 | 9♈0'04   | 14♈58 | 16♈55 | 24♈31 | 15♈8  | 12♈37 | 15♈49  | 19♈31 | 10°R 5 | 17♈38  | 28♈20  | 29♈25 | 15♈46 | n.a. |   |   |   |   |   |   |   |   |
| F 2  | 4 40 13 | 10°1'18  | 27°58 | 17°45 | 25°40 | 15°55 | 12°47 | 15°51  | 19°33 | 10♈3   | 17°39  | 28°21  | 29°22 | 15°53 | n.a. |   |   |   |   |   |   |   |   |
| S 3  | 4 44 9  | 11°2'32  | 11♈20 | 18°38 | 26°49 | 16°41 | 12°58 | 15°54  | 19°35 | 10°2   | 17°39  | 28°R22 | 29°18 | 15°59 | n.a. |   |   |   |   |   |   |   |   |
| S 4  | 4 48 6  | 12°3'47  | 25°5  | 19°36 | 27°59 | 17°28 | 13°8  | 15°56  | 19°36 | 10°1   | 17°40  | 28°21  | 29°15 | 16°6  | n.a. |   |   |   |   |   |   |   |   |
| M 5  | 4 52 2  | 13°5'02  | 9♈13  | 20°38 | 29°8  | 18°14 | 13°18 | 15°59  | 19°38 | 9°59   | 17°41  | 28°20  | 29°12 | 16°13 | n.a. |   |   |   |   |   |   |   |   |
| T 6  | 4 55 59 | 14°6'18  | 23°43 | 21°42 | 0♈18  | 19°0  | 13°29 | 16°1   | 19°40 | 9°58   | 17°41  | 28°18  | 29°9  | 16°19 | n.a. |   |   |   |   |   |   |   |   |
| W 7  | 4 59 55 | 15°7'33  | 8♈32  | 22°49 | 1°28  | 19°47 | 13°39 | 16°3   | 19°42 | 9°57   | 17°42  | 28°17  | 29°6  | 16°26 | n.a. |   |   |   |   |   |   |   |   |
| T 8  | 5 3 52  | 16°8'49  | 23°33 | 23°59 | 2°38  | 20°34 | 13°50 | 16°5   | 19°44 | 9°55   | 17°42  | 28°15  | 29°3  | 16°33 | n.a. |   |   |   |   |   |   |   |   |
| F 9  | 5 7 48  | 17°10'05 | 8♈38  | 25°11 | 3°48  | 21°20 | 14°1  | 16°7   | 19°46 | 9°54   | 17°43  | 28°14  | 28°59 | 16°40 | n.a. |   |   |   |   |   |   |   |   |
| S 10 | 5 11 45 | 18°11'21 | 23°37 | 26°25 | 4°59  | 22°7  | 14°12 | 16°9   | 19°48 | 9°53   | 17°43  | 28°D13 | 28°56 | 16°46 | n.a. |   |   |   |   |   |   |   |   |
| S 11 | 5 15 42 | 19°12'37 | 8♈23  | 27°41 | 6°9   | 22°53 | 14°23 | 16°10  | 19°50 | 9°51   | 17°43  | 28°14  | 28°53 | 16°53 | n.a. |   |   |   |   |   |   |   |   |
| M12  | 5 19 38 | 20°13'52 | 22°48 | 28°58 | 7°20  | 23°40 | 14°34 | 16°12  | 19°52 | 9°50   | 17°44  | 28°14  | 28°50 | 17°0  | n.a. |   |   |   |   |   |   |   |   |
| T 13 | 5 23 35 | 21°15'07 | 6♈47  | 0♈16  | 8°30  | 24°27 | 14°45 | 16°14  | 19°54 | 9°49   | 17°44  | 28°15  | 28°47 | 17°6  | n.a. |   |   |   |   |   |   |   |   |
| W14  | 5 27 31 | 22°16'21 | 20°20 | 1°36  | 9°41  | 25°14 | 14°57 | 16°15  | 19°56 | 9°48   | 17°44  | 28°15  | 28°43 | 17°13 | n.a. |   |   |   |   |   |   |   |   |
| T 15 | 5 31 28 | 23°17'34 | 3♈27  | 2°57  | 10°52 | 26°0  | 15°8  | 16°16  | 19°58 | 9°47   | 17°45  | 28°16  | 28°40 | 17°20 | n.a. |   |   |   |   |   |   |   |   |
| F 16 | 5 35 24 | 24°18'47 | 16°11 | 4°19  | 12°3  | 26°47 | 15°20 | 16°17  | 20°0  | 9°46   | 17°45  | 28°16  | 28°37 | 17°26 | n.a. |   |   |   |   |   |   |   |   |
| S 17 | 5 39 21 | 25°19'59 | 28°35 | 5°42  | 13°14 | 27°34 | 15°32 | 16°18  | 20°3  | 9°45   | 17°45  | 28°R16 | 28°34 | 17°33 | n.a. |   |   |   |   |   |   |   |   |
| S 18 | 5 43 17 | 26°21'10 | 10♈43 | 7°6   | 14°25 | 28°21 | 15°43 | 16°19  | 20°5  | 9°43   | 17°45  | 28°16  | 28°31 | 17°40 | n.a. |   |   |   |   |   |   |   |   |
| M19  | 5 47 14 | 27°22'21 | 22°41 | 8°31  | 15°36 | 29°8  | 15°55 | 16°20  | 20°7  | 9°42   | 17°45  | 28°16  | 28°28 | 17°46 | n.a. |   |   |   |   |   |   |   |   |
| T 20 | 5 51 11 | 28°23'30 | 4♈32  | 9°57  | 16°48 | 29°55 | 16°7  | 16°21  | 20°10 | 9°41   | 17°45  | 28°D16 | 28°24 | 17°53 | n.a. |   |   |   |   |   |   |   |   |
| W21  | 5 55 7  | 29°24'39 | 16°21 | 11°23 | 17°59 | 0♈41  | 16°19 | 16°22  | 20°12 | 9°40   | 17°R45 | 28°16  | 28°21 | 18°0  | n.a. |   |   |   |   |   |   |   |   |
| T 22 | 5 59 4  | 0♈25'48  | 28°12 | 12°51 | 19°11 | 1°28  | 16°31 | 16°22  | 20°15 | 9°39   | 17°45  | 28°16  | 28°18 | 18°6  | n.a. |   |   |   |   |   |   |   |   |
| F 23 | 6 3 0   | 1°26'55  | 10♈6  | 14°18 | 20°22 | 2°15  | 16°43 | 16°23  | 20°17 | 9°39   | 17°45  | 28°17  | 28°15 | 18°13 | n.a. |   |   |   |   |   |   |   |   |
| S 24 | 6 6 57  | 2°28'02  | 22°8  | 15°47 | 21°34 | 3°2   | 16°56 | 16°23  | 20°20 | 9°38   | 17°45  | 28°17  | 28°12 | 18°20 | n.a. |   |   |   |   |   |   |   |   |
| S 25 | 6 10 53 | 3°29'08  | 4♈19  | 17°16 | 22°46 | 3°49  | 17°8  | 16°23  | 20°22 | 9°37   | 17°45  | 28°R17 | 28°9  | 18°26 | n.a. |   |   |   |   |   |   |   |   |
| M26  | 6 14 50 | 4°30'13  | 16°41 | 18°46 | 23°57 | 4°36  | 17°21 | 16°R23 | 20°25 | 9°36   | 17°45  | 28°16  | 28°5  | 18°33 | n.a. |   |   |   |   |   |   |   |   |
| T 27 | 6 18 47 | 5°31'17  | 29°14 | 20°16 | 25°9  | 5°23  | 17°33 | 16°23  | 20°28 | 9°35   | 17°45  | 28°16  | 28°2  | 18°40 | n.a. |   |   |   |   |   |   |   |   |
| W28  | 6 22 43 | 6°32'20  | 11♈59 | 21°48 | 26°21 | 6°11  | 17°46 | 16°23  | 20°30 | 9°34   | 17°44  | 28°15  | 27°59 | 18°46 | n.a. |   |   |   |   |   |   |   |   |
| T 29 | 6 26 40 | 7°33'23  | 24°58 | 23°19 | 27°33 | 6°58  | 17°58 | 16°23  | 20°33 | 9°34   | 17°44  | 28°13  | 27°56 | 18°53 | n.a. |   |   |   |   |   |   |   |   |
| F 30 | 6 30 36 | 8°34'25  | 8♈11  | 24°52 | 28°45 | 7°45  | 18°11 | 16°23  | 20°36 | 9°33   | 17°44  | 28°12  | 27°53 | 19°0  | n.a. |   |   |   |   |   |   |   |   |
| S 31 | 6 34 33 | 9♈35'26  | 21♈39 | 26♈25 | 29♈57 | 8♈32  | 18♈24 | 16♈22  | 20♈39 | 9♈32   | 17♈43  | 28♈11  | 27♈49 | 19♈6  | n.a. |   |   |   |   |   |   |   |   |

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