

SWISS EPHEMERIS for the year 230

JANUARY 230 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃      | ♄     | ♅     | ♆     | ♇      | ♈     | ♉     | ♊    | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|---------|----------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|------|------|---|---|---|---|---|---|---|---|
| F 1  | 6 39 3  | 10°34'51 | 26°43 | 0°3 4 | 25♁19 | 1♂49  | 17°3 8 | 13°22 | 1°3 1 | 10°10 | 17°R45 | 7°R45 | 9♁12  | 0♂4  | n.a. |   |   |   |   |   |   |   |   |
| S 2  | 6 43 0  | 11°46'51 | 8°351 | 1°40  | 26°11 | 2°37  | 17°23  | 13°27 | 1°5   | 10°10 | 17°Ω43 | 7°η34 | 9°9   | 0°11 | n.a. |   |   |   |   |   |   |   |   |
| S 3  | 6 46 57 | 12°47'51 | 21°7  | 3°16  | 27°3  | 3°24  | 17°37  | 13°32 | 1°8   | 10°11 | 17°42  | 7°24  | 9°6   | 0°18 | n.a. |   |   |   |   |   |   |   |   |
| M 4  | 6 50 53 | 13°48'50 | 3♂32  | 4°54  | 27°56 | 4°11  | 17°51  | 13°37 | 1°12  | 10°11 | 17°41  | 7°16  | 9°2   | 0°25 | n.a. |   |   |   |   |   |   |   |   |
| T 5  | 6 54 50 | 14°49'47 | 16°7  | 6°32  | 28°50 | 4°59  | 18°5   | 13°42 | 1°15  | 10°12 | 17°40  | 7°12  | 8°59  | 0°31 | n.a. |   |   |   |   |   |   |   |   |
| W 6  | 6 58 46 | 15°50'43 | 28°52 | 8°10  | 29°44 | 5°46  | 18°20  | 13°47 | 1°19  | 10°12 | 17°39  | 7°9   | 8°56  | 0°38 | n.a. |   |   |   |   |   |   |   |   |
| T 7  | 7 2 43  | 16°51'38 | 11♂50 | 9°50  | 0♂39  | 6°33  | 18°34  | 13°52 | 1°22  | 10°13 | 17°37  | 7°D 9 | 8°53  | 0°45 | n.a. |   |   |   |   |   |   |   |   |
| F 8  | 7 6 39  | 17°52'31 | 25°2  | 11°30 | 1°35  | 7°20  | 18°48  | 13°58 | 1°25  | 10°14 | 17°36  | 7°10  | 8°50  | 0°52 | n.a. |   |   |   |   |   |   |   |   |
| S 9  | 7 10 36 | 18°53'23 | 8°Υ29 | 13°11 | 2°31  | 8°7   | 19°3   | 14°3  | 1°29  | 10°14 | 17°35  | 7°11  | 8°47  | 0°58 | n.a. |   |   |   |   |   |   |   |   |
| S 10 | 7 14 32 | 19°54'13 | 22°15 | 14°52 | 3°27  | 8°55  | 19°17  | 14°9  | 1°32  | 10°15 | 17°33  | 7°R11 | 8°43  | 1°5  | n.a. |   |   |   |   |   |   |   |   |
| M11  | 7 18 29 | 20°55'01 | 6♁19  | 16°35 | 4°24  | 9°42  | 19°31  | 14°14 | 1°36  | 10°15 | 17°32  | 7°10  | 8°40  | 1°12 | n.a. |   |   |   |   |   |   |   |   |
| T 12 | 7 22 26 | 21°55'48 | 20°41 | 18°18 | 5°22  | 10°29 | 19°45  | 14°20 | 1°39  | 10°16 | 17°31  | 7°7   | 8°37  | 1°18 | n.a. |   |   |   |   |   |   |   |   |
| W13  | 7 26 22 | 22°56'33 | 5♁19  | 20°2  | 6°20  | 11°16 | 20°0   | 14°25 | 1°43  | 10°17 | 17°29  | 7°2   | 8°34  | 1°25 | n.a. |   |   |   |   |   |   |   |   |
| T 14 | 7 30 19 | 23°57'16 | 20°6  | 21°47 | 7°19  | 12°3  | 20°14  | 14°31 | 1°46  | 10°18 | 17°28  | 6°56  | 8°31  | 1°32 | n.a. |   |   |   |   |   |   |   |   |
| F 15 | 7 34 15 | 24°57'58 | 4♁56  | 23°32 | 8°18  | 12°50 | 20°28  | 14°37 | 1°49  | 10°19 | 17°26  | 6°49  | 8°27  | 1°39 | n.a. |   |   |   |   |   |   |   |   |
| S 16 | 7 38 12 | 25°58'38 | 19°40 | 25°19 | 9°17  | 13°37 | 20°43  | 14°43 | 1°53  | 10°19 | 17°25  | 6°43  | 8°24  | 1°45 | n.a. |   |   |   |   |   |   |   |   |
| S 17 | 7 42 8  | 26°59'17 | 4♁11  | 27°6  | 10°17 | 14°24 | 20°57  | 14°49 | 1°56  | 10°20 | 17°24  | 6°38  | 8°21  | 1°52 | n.a. |   |   |   |   |   |   |   |   |
| M18  | 7 46 5  | 27°59'54 | 18°22 | 28°54 | 11°17 | 15°11 | 21°11  | 14°55 | 1°59  | 10°21 | 17°22  | 6°34  | 8°18  | 1°59 | n.a. |   |   |   |   |   |   |   |   |
| T 19 | 7 50 1  | 29°0'29  | 2η9   | 0♂43  | 12°18 | 15°58 | 21°25  | 15°1  | 2°2   | 10°22 | 17°21  | 6°D33 | 8°15  | 2°6  | n.a. |   |   |   |   |   |   |   |   |
| W20  | 7 53 58 | 0♂1'03   | 15°31 | 2°32  | 13°19 | 16°45 | 21°39  | 15°7  | 2°6   | 10°23 | 17°19  | 6°33  | 8°12  | 2°12 | n.a. |   |   |   |   |   |   |   |   |
| T 21 | 7 57 55 | 1°1'36   | 28°28 | 4°22  | 14°20 | 17°32 | 21°54  | 15°13 | 2°9   | 10°24 | 17°18  | 6°34  | 8°8   | 2°19 | n.a. |   |   |   |   |   |   |   |   |
| F 22 | 8 1 51  | 2°2'07   | 11♁3  | 6°13  | 15°22 | 18°19 | 22°8   | 15°19 | 2°12  | 10°25 | 17°16  | 6°36  | 8°5   | 2°26 | n.a. |   |   |   |   |   |   |   |   |
| S 23 | 8 5 48  | 3°2'37   | 23°20 | 8°5   | 16°24 | 19°6  | 22°22  | 15°26 | 2°15  | 10°26 | 17°15  | 6°38  | 8°2   | 2°32 | n.a. |   |   |   |   |   |   |   |   |
| S 24 | 8 9 44  | 4°3'05   | 5♁23  | 9°56  | 17°26 | 19°53 | 22°36  | 15°32 | 2°19  | 10°27 | 17°13  | 6°R38 | 7°59  | 2°39 | n.a. |   |   |   |   |   |   |   |   |
| M25  | 8 13 41 | 5°3'32   | 17°19 | 11°49 | 18°29 | 20°39 | 22°50  | 15°38 | 2°22  | 10°29 | 17°12  | 6°37  | 7°56  | 2°46 | n.a. |   |   |   |   |   |   |   |   |
| T 26 | 8 17 37 | 6°3'58   | 29°10 | 13°41 | 19°32 | 21°26 | 23°4   | 15°45 | 2°25  | 10°30 | 17°10  | 6°35  | 7°52  | 2°53 | n.a. |   |   |   |   |   |   |   |   |
| W27  | 8 21 34 | 7°4'22   | 11♂3  | 15°34 | 20°35 | 22°13 | 23°19  | 15°51 | 2°28  | 10°31 | 17°9   | 6°31  | 7°49  | 2°59 | n.a. |   |   |   |   |   |   |   |   |
| T 28 | 8 25 30 | 8°4'44   | 23°0  | 17°26 | 21°39 | 23°0  | 23°33  | 15°58 | 2°31  | 10°32 | 17°7   | 6°27  | 7°46  | 3°6  | n.a. |   |   |   |   |   |   |   |   |
| F 29 | 8 29 27 | 9°5'05   | 5♁6   | 19°19 | 22°43 | 23°46 | 23°47  | 16°4  | 2°34  | 10°33 | 17°6   | 6°22  | 7°43  | 3°13 | n.a. |   |   |   |   |   |   |   |   |
| S 30 | 8 33 24 | 10°5'24  | 17°22 | 21°10 | 23°47 | 24°33 | 24°1   | 16°11 | 2°37  | 10°35 | 17°4   | 6°17  | 7°40  | 3°19 | n.a. |   |   |   |   |   |   |   |   |
| S 31 | 8 37 20 | 11°5'42  | 29♁50 | 23♁1  | 24♂51 | 25♁20 | 24♁15  | 16°18 | 2°40  | 10°36 | 17°2   | 6°η13 | 7°η37 | 3♂26 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 02h18m08s Julian Calendar 1 Jan. 230 == Greg. Calendar 1 Jan. 230

FEBRUARY 230 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉       | ☽      | ♀      | ♁     | ♂     | ♃     | ♄     | ♅     | ♆     | ♇      | ♈     | ♉    | ♊    | ♋    | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|---------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|------|------|------|---|---|---|---|---|---|---|---|
| M 1  | 8 41 17  | 12°5'57 | 12♁31  | 24♁50  | 25♂56 | 26♁6  | 24♁29 | 16°25 | 2°343 | 10°37 | 17°R 1 | 6°R10 | 7η33 | 3♂33 | n.a. |   |   |   |   |   |   |   |   |
| T 2  | 8 45 13  | 13°6'11 | 25°26  | 26°38  | 27°1  | 26°53 | 24°43 | 16°31 | 2°46  | 10°39 | 16°Ω59 | 6η8   | 7°30 | 3°40 | n.a. |   |   |   |   |   |   |   |   |
| W 3  | 8 49 10  | 14°6'23 | 8♂33   | 28°24  | 28°6  | 27°40 | 24°57 | 16°38 | 2°49  | 10°40 | 16°58  | 6°D 8 | 7°27 | 3°46 | n.a. |   |   |   |   |   |   |   |   |
| T 4  | 8 53 6   | 15°6'33 | 21°53  | 0♂7    | 29°11 | 28°26 | 25°11 | 16°45 | 2°52  | 10°42 | 16°56  | 6°9   | 7°24 | 3°53 | n.a. |   |   |   |   |   |   |   |   |
| F 5  | 8 57 3   | 16°6'40 | 5°Υ5   | 1°48   | 0♁16  | 29°13 | 25°24 | 16°52 | 2°54  | 10°43 | 16°55  | 6°10  | 7°21 | 4°0  | n.a. |   |   |   |   |   |   |   |   |
| S 6  | 9 0 59   | 17°6'45 | 19°29  | 3°25   | 1°22  | 29°59 | 25°38 | 16°59 | 2°57  | 10°45 | 16°53  | 6°11  | 7°18 | 4°7  | n.a. |   |   |   |   |   |   |   |   |
| S 7  | 9 4 56   | 18°6'49 | 3♁3    | 4°57   | 2°28  | 0♂45  | 25°52 | 17°6  | 3°0   | 10°46 | 16°51  | 6°13  | 7°14 | 4°13 | n.a. |   |   |   |   |   |   |   |   |
| M 8  | 9 8 53   | 19°6'49 | 17°7   | 6°25   | 3°34  | 1°32  | 26°6  | 17°13 | 3°3   | 10°48 | 16°50  | 6°R13 | 7°11 | 4°20 | n.a. |   |   |   |   |   |   |   |   |
| T 9  | 9 12 49  | 20°6'48 | 1η19   | 7°48   | 4°40  | 2°18  | 26°19 | 17°20 | 3°5   | 10°49 | 16°48  | 6°13  | 7°8  | 4°27 | n.a. |   |   |   |   |   |   |   |   |
| W10  | 9 16 46  | 21°6'44 | 15°37  | 9°5    | 5°46  | 3°4   | 26°33 | 17°27 | 3°8   | 10°51 | 16°47  | 6°12  | 7°5  | 4°33 | n.a. |   |   |   |   |   |   |   |   |
| T 11 | 9 20 42  | 22°6'38 | 29°59  | 10°16  | 6°53  | 3°51  | 26°47 | 17°34 | 3°11  | 10°52 | 16°45  | 6°10  | 7°2  | 4°40 | n.a. |   |   |   |   |   |   |   |   |
| F 12 | 9 24 39  | 23°6'30 | 14♁19  | 11°20  | 8°0   | 4°37  | 27°0  | 17°42 | 3°13  | 10°54 | 16°44  | 6°9   | 6°58 | 4°47 | n.a. |   |   |   |   |   |   |   |   |
| S 13 | 9 28 35  | 24°6'20 | 28°34  | 12°17  | 9°7   | 5°23  | 27°14 | 17°49 | 3°16  | 10°56 | 16°42  | 6°7   | 6°55 | 4°54 | n.a. |   |   |   |   |   |   |   |   |
| S 14 | 9 32 32  | 25°6'07 | 12°Ω39 | 13°6   | 10°14 | 6°9   | 27°27 | 17°56 | 3°19  | 10°57 | 16°41  | 6°6   | 6°52 | 5°0  | n.a. |   |   |   |   |   |   |   |   |
| M15  | 9 36 28  | 26°5'52 | 26°30  | 13°47  | 11°21 | 6°55  | 27°41 | 18°3  | 3°21  | 10°59 | 16°39  | 6°5   | 6°49 | 5°7  | n.a. |   |   |   |   |   |   |   |   |
| T 16 | 9 40 25  | 27°5'35 | 10η3   | 14°20  | 12°28 | 7°41  | 27°54 | 18°11 | 3°23  | 11°1  | 16°37  | 6°D 5 | 6°46 | 5°14 | n.a. |   |   |   |   |   |   |   |   |
| W17  | 9 44 22  | 28°5'16 | 23°17  | 14°45  | 13°36 | 8°27  | 28°7  | 18°18 | 3°26  | 11°3  | 16°36  | 6°5   | 6°43 | 5°21 | n.a. |   |   |   |   |   |   |   |   |
| T 18 | 9 48 18  | 29°4'55 | 6♁11   | 15°2   | 14°43 | 9°13  | 28°21 | 18°25 | 3°28  | 11°4  | 16°34  | 6°6   | 6°39 | 5°27 | n.a. |   |   |   |   |   |   |   |   |
| F 19 | 9 52 15  | 0♂4'32  | 18°47  | 15°R 9 | 15°51 | 9°59  | 28°34 | 18°33 | 3°31  | 11°6  | 16°33  | 6°7   | 6°36 | 5°34 | n.a. |   |   |   |   |   |   |   |   |
| S 20 | 9 56 11  | 1°4'07  | 1η6    | 15°9   | 16°59 | 10°45 | 28°47 | 18°40 | 3°33  | 11°8  | 16°31  | 6°7   | 6°33 | 5°41 | n.a. |   |   |   |   |   |   |   |   |
| S 21 | 10 0 8   | 2°3'41  | 13°13  | 15°1   | 18°7  | 11°31 | 29°0  | 18°48 | 3°35  | 11°10 | 16°30  | 6°8   | 6°30 | 5°47 | n.a. |   |   |   |   |   |   |   |   |
| M22  | 10 4 4   | 3°3'12  | 25°11  | 14°44  | 19°15 | 12°17 | 29°13 | 18°55 | 3°37  | 11°12 | 16°28  | 6°8   | 6°27 | 5°54 | n.a. |   |   |   |   |   |   |   |   |
| T 23 | 10 8 1   | 4°2'42  | 7♂4    | 14°21  | 20°23 | 13°3  | 29°26 | 19°3  | 3°40  | 11°13 | 16°27  | 6°R 8 | 6°24 | 6°1  | n.a. |   |   |   |   |   |   |   |   |
| W24  | 10 11 57 | 5°2'10  | 18°58  | 13°51  | 21°32 | 13°48 | 29°39 | 19°10 | 3°42  | 11°15 | 16°25  | 6°8   | 6°20 | 6°8  | n.a. |   |   |   |   |   |   |   |   |
| T 25 | 10 15 54 | 6°1'36  | 0♁56   | 13°15  | 22°40 | 14°34 | 29°52 | 19°18 | 3°44  | 11°17 | 16°24  | 6°D 8 | 6°17 | 6°14 | n.a. |   |   |   |   |   |   |   |   |
| F 26 | 10 19 51 | 7°1'00  | 13°4   | 12°34  | 23°49 | 15°20 | 0♁5   | 19°25 | 3°46  | 11°19 | 16°22  | 6°8   | 6°14 | 6°21 | n.a. |   |   |   |   |   |   |   |   |
| S 27 | 10 23 47 | 8°0'22  | 25°25  | 11°48  | 24°57 | 16°5  | 0°18  | 19°33 | 3°48  | 11°21 | 16°21  | 6°8   | 6°11 | 6°28 | n.a. |   |   |   |   |   |   |   |   |
| S 28 | 10 27 44 | 8♂59'42 | 8♁1    | 11♂0   | 26♁6  | 16♂51 | 0♁31  | 19°40 | 3°50  | 11°23 | 16°Ω20 | 6η8   | 6η8  | 6♂34 | n.a. |   |   |   |   |   |   |   |   |

Delta T = 02h18m07s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 230

MARCH 230 C.E.JC

00:00 UT

| Day | Sid.t    | ☉                     | ☽                  | ♀                   | ♂                  | ♂                  | ♂                 | ♂                  | ♂                 | ♂                  | ♂                   | ♂                  | ♂                 | ♂                 | ♂    |
|-----|----------|-----------------------|--------------------|---------------------|--------------------|--------------------|-------------------|--------------------|-------------------|--------------------|---------------------|--------------------|-------------------|-------------------|------|
| M 1 | 10 31 40 | 9 <sup>h</sup> 59'00  | 20 <sup>h</sup> 55 | 10 <sup>h</sup> R10 | 27 <sup>h</sup> 15 | 17 <sup>h</sup> 37 | 0 <sup>h</sup> 43 | 19 <sup>h</sup> 48 | 3 <sup>h</sup> 52 | 11 <sup>h</sup> 25 | 16 <sup>h</sup> R18 | 6 <sup>h</sup> 9   | 6 <sup>h</sup> 4  | 6 <sup>h</sup> 41 | n.a. |
| T 2 | 10 35 37 | 10 <sup>h</sup> 58'16 | 4 <sup>h</sup> 8   | 9 <sup>h</sup> 18   | 28 <sup>h</sup> 24 | 18 <sup>h</sup> 22 | 0 <sup>h</sup> 56 | 19 <sup>h</sup> 55 | 3 <sup>h</sup> 54 | 11 <sup>h</sup> 27 | 16 <sup>h</sup> 17  | 6 <sup>h</sup> R9  | 6 <sup>h</sup> 1  | 6 <sup>h</sup> 48 | n.a. |
| W 3 | 10 39 33 | 11 <sup>h</sup> 57'30 | 17 <sup>h</sup> 39 | 8 <sup>h</sup> 27   | 29 <sup>h</sup> 33 | 19 <sup>h</sup> 7  | 1 <sup>h</sup> 8  | 20 <sup>h</sup> 3  | 3 <sup>h</sup> 56 | 11 <sup>h</sup> 29 | 16 <sup>h</sup> 15  | 6 <sup>h</sup> 9   | 5 <sup>h</sup> 58 | 6 <sup>h</sup> 55 | n.a. |
| T 4 | 10 43 30 | 12 <sup>h</sup> 56'42 | 1 <sup>h</sup> 26  | 7 <sup>h</sup> 36   | 0 <sup>h</sup> 42  | 19 <sup>h</sup> 53 | 1 <sup>h</sup> 21 | 20 <sup>h</sup> 11 | 3 <sup>h</sup> 57 | 11 <sup>h</sup> 31 | 16 <sup>h</sup> 14  | 6 <sup>h</sup> 8   | 5 <sup>h</sup> 55 | 7 <sup>h</sup> 1  | n.a. |
| F 5 | 10 47 26 | 13 <sup>h</sup> 55'52 | 15 <sup>h</sup> 26 | 6 <sup>h</sup> 48   | 1 <sup>h</sup> 51  | 20 <sup>h</sup> 38 | 1 <sup>h</sup> 33 | 20 <sup>h</sup> 18 | 3 <sup>h</sup> 59 | 11 <sup>h</sup> 33 | 16 <sup>h</sup> 13  | 6 <sup>h</sup> 7   | 5 <sup>h</sup> 52 | 7 <sup>h</sup> 8  | n.a. |
| S 6 | 10 51 23 | 14 <sup>h</sup> 54'59 | 29 <sup>h</sup> 35 | 6 <sup>h</sup> 2    | 3 <sup>h</sup> 1   | 21 <sup>h</sup> 23 | 1 <sup>h</sup> 46 | 20 <sup>h</sup> 26 | 4 <sup>h</sup> 1  | 11 <sup>h</sup> 35 | 16 <sup>h</sup> 11  | 6 <sup>h</sup> 6   | 5 <sup>h</sup> 49 | 7 <sup>h</sup> 15 | n.a. |
| S 7 | 10 55 19 | 15 <sup>h</sup> 54'04 | 13 <sup>h</sup> 50 | 5 <sup>h</sup> 20   | 4 <sup>h</sup> 10  | 22 <sup>h</sup> 9  | 1 <sup>h</sup> 58 | 20 <sup>h</sup> 34 | 4 <sup>h</sup> 2  | 11 <sup>h</sup> 37 | 16 <sup>h</sup> 10  | 6 <sup>h</sup> 5   | 5 <sup>h</sup> 45 | 7 <sup>h</sup> 22 | n.a. |
| M 8 | 10 59 16 | 16 <sup>h</sup> 53'06 | 28 <sup>h</sup> 7  | 4 <sup>h</sup> 42   | 5 <sup>h</sup> 20  | 22 <sup>h</sup> 54 | 2 <sup>h</sup> 10 | 20 <sup>h</sup> 41 | 4 <sup>h</sup> 4  | 11 <sup>h</sup> 39 | 16 <sup>h</sup> 9   | 6 <sup>h</sup> 4   | 5 <sup>h</sup> 42 | 7 <sup>h</sup> 28 | n.a. |
| T 9 | 11 3 13  | 17 <sup>h</sup> 52'07 | 12 <sup>h</sup> 23 | 4 <sup>h</sup> 9    | 6 <sup>h</sup> 29  | 23 <sup>h</sup> 39 | 2 <sup>h</sup> 22 | 20 <sup>h</sup> 49 | 4 <sup>h</sup> 6  | 11 <sup>h</sup> 41 | 16 <sup>h</sup> 7   | 6 <sup>h</sup> D4  | 5 <sup>h</sup> 39 | 7 <sup>h</sup> 35 | n.a. |
| W10 | 11 7 9   | 18 <sup>h</sup> 51'05 | 26 <sup>h</sup> 34 | 3 <sup>h</sup> 41   | 7 <sup>h</sup> 39  | 24 <sup>h</sup> 24 | 2 <sup>h</sup> 34 | 20 <sup>h</sup> 56 | 4 <sup>h</sup> 7  | 11 <sup>h</sup> 43 | 16 <sup>h</sup> 6   | 6 <sup>h</sup> 4   | 5 <sup>h</sup> 36 | 7 <sup>h</sup> 42 | n.a. |
| T11 | 11 11 6  | 19 <sup>h</sup> 50'00 | 10 <sup>h</sup> 39 | 3 <sup>h</sup> 18   | 8 <sup>h</sup> 48  | 25 <sup>h</sup> 9  | 2 <sup>h</sup> 46 | 21 <sup>h</sup> 4  | 4 <sup>h</sup> 9  | 11 <sup>h</sup> 46 | 16 <sup>h</sup> 5   | 6 <sup>h</sup> 5   | 5 <sup>h</sup> 33 | 7 <sup>h</sup> 48 | n.a. |
| F12 | 11 15 2  | 20 <sup>h</sup> 48'53 | 24 <sup>h</sup> 36 | 3 <sup>h</sup> 0    | 9 <sup>h</sup> 58  | 25 <sup>h</sup> 54 | 2 <sup>h</sup> 58 | 21 <sup>h</sup> 12 | 4 <sup>h</sup> 10 | 11 <sup>h</sup> 48 | 16 <sup>h</sup> 4   | 6 <sup>h</sup> 6   | 5 <sup>h</sup> 29 | 7 <sup>h</sup> 55 | n.a. |
| S13 | 11 18 59 | 21 <sup>h</sup> 47'44 | 8 <sup>h</sup> 23  | 2 <sup>h</sup> 47   | 11 <sup>h</sup> 8  | 26 <sup>h</sup> 39 | 3 <sup>h</sup> 10 | 21 <sup>h</sup> 19 | 4 <sup>h</sup> 11 | 11 <sup>h</sup> 50 | 16 <sup>h</sup> 2   | 6 <sup>h</sup> 7   | 5 <sup>h</sup> 26 | 8 <sup>h</sup> 2  | n.a. |
| S14 | 11 22 55 | 22 <sup>h</sup> 46'32 | 22 <sup>h</sup> 0  | 2 <sup>h</sup> 41   | 12 <sup>h</sup> 18 | 27 <sup>h</sup> 24 | 3 <sup>h</sup> 21 | 21 <sup>h</sup> 27 | 4 <sup>h</sup> 13 | 11 <sup>h</sup> 52 | 16 <sup>h</sup> 1   | 6 <sup>h</sup> 8   | 5 <sup>h</sup> 23 | 8 <sup>h</sup> 9  | n.a. |
| M15 | 11 26 52 | 23 <sup>h</sup> 45'18 | 5 <sup>h</sup> 24  | 2 <sup>h</sup> D39  | 13 <sup>h</sup> 28 | 28 <sup>h</sup> 9  | 3 <sup>h</sup> 33 | 21 <sup>h</sup> 35 | 4 <sup>h</sup> 14 | 11 <sup>h</sup> 54 | 16 <sup>h</sup> 0   | 6 <sup>h</sup> R8  | 5 <sup>h</sup> 20 | 8 <sup>h</sup> 15 | n.a. |
| T16 | 11 30 48 | 24 <sup>h</sup> 44'02 | 18 <sup>h</sup> 35 | 2 <sup>h</sup> 43   | 14 <sup>h</sup> 38 | 28 <sup>h</sup> 54 | 3 <sup>h</sup> 44 | 21 <sup>h</sup> 42 | 4 <sup>h</sup> 15 | 11 <sup>h</sup> 56 | 15 <sup>h</sup> 59  | 6 <sup>h</sup> 8   | 5 <sup>h</sup> 17 | 8 <sup>h</sup> 22 | n.a. |
| W17 | 11 34 45 | 25 <sup>h</sup> 42'44 | 1 <sup>h</sup> 32  | 2 <sup>h</sup> 52   | 15 <sup>h</sup> 48 | 29 <sup>h</sup> 38 | 3 <sup>h</sup> 56 | 21 <sup>h</sup> 50 | 4 <sup>h</sup> 16 | 11 <sup>h</sup> 59 | 15 <sup>h</sup> 58  | 6 <sup>h</sup> 6   | 5 <sup>h</sup> 14 | 8 <sup>h</sup> 29 | n.a. |
| T18 | 11 38 42 | 26 <sup>h</sup> 41'23 | 14 <sup>h</sup> 15 | 3 <sup>h</sup> 6    | 16 <sup>h</sup> 58 | 0 <sup>h</sup> 23  | 4 <sup>h</sup> 7  | 21 <sup>h</sup> 58 | 4 <sup>h</sup> 18 | 12 <sup>h</sup> 1  | 15 <sup>h</sup> 57  | 6 <sup>h</sup> 4   | 5 <sup>h</sup> 10 | 8 <sup>h</sup> 35 | n.a. |
| F19 | 11 42 38 | 27 <sup>h</sup> 40'01 | 26 <sup>h</sup> 44 | 3 <sup>h</sup> 25   | 18 <sup>h</sup> 8  | 1 <sup>h</sup> 8   | 4 <sup>h</sup> 18 | 22 <sup>h</sup> 5  | 4 <sup>h</sup> 19 | 12 <sup>h</sup> 3  | 15 <sup>h</sup> 56  | 6 <sup>h</sup> 1   | 5 <sup>h</sup> 7  | 8 <sup>h</sup> 42 | n.a. |
| S20 | 11 46 35 | 28 <sup>h</sup> 38'37 | 9 <sup>h</sup> 0   | 3 <sup>h</sup> 49   | 19 <sup>h</sup> 19 | 1 <sup>h</sup> 52  | 4 <sup>h</sup> 29 | 22 <sup>h</sup> 13 | 4 <sup>h</sup> 20 | 12 <sup>h</sup> 5  | 15 <sup>h</sup> 54  | 5 <sup>h</sup> 57  | 5 <sup>h</sup> 4  | 8 <sup>h</sup> 49 | n.a. |
| S21 | 11 50 31 | 29 <sup>h</sup> 37'11 | 21 <sup>h</sup> 6  | 4 <sup>h</sup> 17   | 20 <sup>h</sup> 29 | 2 <sup>h</sup> 37  | 4 <sup>h</sup> 40 | 22 <sup>h</sup> 21 | 4 <sup>h</sup> 21 | 12 <sup>h</sup> 7  | 15 <sup>h</sup> 53  | 5 <sup>h</sup> 54  | 5 <sup>h</sup> 1  | 8 <sup>h</sup> 56 | n.a. |
| M22 | 11 54 28 | 0 <sup>h</sup> 35'43  | 3 <sup>h</sup> 4   | 4 <sup>h</sup> 49   | 21 <sup>h</sup> 39 | 3 <sup>h</sup> 21  | 4 <sup>h</sup> 51 | 22 <sup>h</sup> 28 | 4 <sup>h</sup> 22 | 12 <sup>h</sup> 10 | 15 <sup>h</sup> 52  | 5 <sup>h</sup> 50  | 4 <sup>h</sup> 58 | 9 <sup>h</sup> 2  | n.a. |
| T23 | 11 58 24 | 1 <sup>h</sup> 34'14  | 14 <sup>h</sup> 57 | 5 <sup>h</sup> 25   | 22 <sup>h</sup> 50 | 4 <sup>h</sup> 6   | 5 <sup>h</sup> 2  | 22 <sup>h</sup> 36 | 4 <sup>h</sup> 23 | 12 <sup>h</sup> 12 | 15 <sup>h</sup> 51  | 5 <sup>h</sup> 48  | 4 <sup>h</sup> 55 | 9 <sup>h</sup> 9  | n.a. |
| W24 | 12 2 21  | 2 <sup>h</sup> 32'43  | 26 <sup>h</sup> 51 | 6 <sup>h</sup> 5    | 24 <sup>h</sup> 0  | 4 <sup>h</sup> 50  | 5 <sup>h</sup> 13 | 22 <sup>h</sup> 43 | 4 <sup>h</sup> 23 | 12 <sup>h</sup> 14 | 15 <sup>h</sup> 50  | 5 <sup>h</sup> 47  | 4 <sup>h</sup> 51 | 9 <sup>h</sup> 16 | n.a. |
| T25 | 12 6 17  | 3 <sup>h</sup> 31'10  | 8 <sup>h</sup> 48  | 6 <sup>h</sup> 49   | 25 <sup>h</sup> 11 | 5 <sup>h</sup> 34  | 5 <sup>h</sup> 24 | 22 <sup>h</sup> 51 | 4 <sup>h</sup> 24 | 12 <sup>h</sup> 16 | 15 <sup>h</sup> 49  | 5 <sup>h</sup> D47 | 4 <sup>h</sup> 48 | 9 <sup>h</sup> 23 | n.a. |
| F26 | 12 10 14 | 4 <sup>h</sup> 29'35  | 20 <sup>h</sup> 55 | 7 <sup>h</sup> 37   | 26 <sup>h</sup> 21 | 6 <sup>h</sup> 19  | 5 <sup>h</sup> 34 | 22 <sup>h</sup> 59 | 4 <sup>h</sup> 25 | 12 <sup>h</sup> 18 | 15 <sup>h</sup> 48  | 5 <sup>h</sup> 48  | 4 <sup>h</sup> 45 | 9 <sup>h</sup> 29 | n.a. |
| S27 | 12 14 11 | 5 <sup>h</sup> 27'59  | 3 <sup>h</sup> 16  | 8 <sup>h</sup> 27   | 27 <sup>h</sup> 32 | 7 <sup>h</sup> 3   | 5 <sup>h</sup> 45 | 23 <sup>h</sup> 6  | 4 <sup>h</sup> 26 | 12 <sup>h</sup> 21 | 15 <sup>h</sup> 48  | 5 <sup>h</sup> 49  | 4 <sup>h</sup> 42 | 9 <sup>h</sup> 36 | n.a. |
| S28 | 12 18 7  | 6 <sup>h</sup> 26'21  | 15 <sup>h</sup> 55 | 9 <sup>h</sup> 21   | 28 <sup>h</sup> 43 | 7 <sup>h</sup> 47  | 5 <sup>h</sup> 55 | 23 <sup>h</sup> 14 | 4 <sup>h</sup> 26 | 12 <sup>h</sup> 23 | 15 <sup>h</sup> 47  | 5 <sup>h</sup> 51  | 4 <sup>h</sup> 39 | 9 <sup>h</sup> 43 | n.a. |
| M29 | 12 22 4  | 7 <sup>h</sup> 24'41  | 28 <sup>h</sup> 55 | 10 <sup>h</sup> 18  | 29 <sup>h</sup> 53 | 8 <sup>h</sup> 31  | 6 <sup>h</sup> 5  | 23 <sup>h</sup> 21 | 4 <sup>h</sup> 27 | 12 <sup>h</sup> 25 | 15 <sup>h</sup> 46  | 5 <sup>h</sup> 52  | 4 <sup>h</sup> 35 | 9 <sup>h</sup> 49 | n.a. |
| T30 | 12 26 0  | 8 <sup>h</sup> 23'00  | 12 <sup>h</sup> 19 | 11 <sup>h</sup> 18  | 1 <sup>h</sup> 4   | 9 <sup>h</sup> 15  | 6 <sup>h</sup> 15 | 23 <sup>h</sup> 29 | 4 <sup>h</sup> 28 | 12 <sup>h</sup> 27 | 15 <sup>h</sup> 45  | 5 <sup>h</sup> R52 | 4 <sup>h</sup> 32 | 9 <sup>h</sup> 56 | n.a. |
| W31 | 12 29 57 | 9 <sup>h</sup> 21'17  | 26 <sup>h</sup> 6  | 12 <sup>h</sup> 21  | 2 <sup>h</sup> 15  | 9 <sup>h</sup> 59  | 6 <sup>h</sup> 25 | 23 <sup>h</sup> 36 | 4 <sup>h</sup> 28 | 12 <sup>h</sup> 30 | 15 <sup>h</sup> 44  | 5 <sup>h</sup> 51  | 4 <sup>h</sup> 29 | 10 <sup>h</sup> 3 | n.a. |

Delta T = 02h18m07s Julian Calendar 1 March 230 == Greg. Calendar 1 March 230

APRIL 230 C.E.JC

00:00 UT

| Day | Sid.t    | ☉                     | ☽                  | ♀                  | ♂                  | ♂                  | ♂                 | ♂                  | ♂                  | ♂                  | ♂                   | ♂                  | ♂                 | ♂                  | ♂    |
|-----|----------|-----------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------------------|--------------------|--------------------|---------------------|--------------------|-------------------|--------------------|------|
| T 1 | 12 33 53 | 10 <sup>h</sup> 19'32 | 10 <sup>h</sup> 16 | 13 <sup>h</sup> 27 | 3 <sup>h</sup> 26  | 10 <sup>h</sup> 43 | 6 <sup>h</sup> 35 | 23 <sup>h</sup> 44 | 4 <sup>h</sup> 28  | 12 <sup>h</sup> 32 | 15 <sup>h</sup> R43 | 5 <sup>h</sup> R48 | 4 <sup>h</sup> 26 | 10 <sup>h</sup> 10 | n.a. |
| F 2 | 12 37 50 | 11 <sup>h</sup> 17'45 | 24 <sup>h</sup> 42 | 14 <sup>h</sup> 35 | 4 <sup>h</sup> 37  | 11 <sup>h</sup> 27 | 6 <sup>h</sup> 45 | 23 <sup>h</sup> 51 | 4 <sup>h</sup> 29  | 12 <sup>h</sup> 34 | 15 <sup>h</sup> 43  | 5 <sup>h</sup> 43  | 4 <sup>h</sup> 23 | 10 <sup>h</sup> 16 | n.a. |
| S 3 | 12 41 46 | 12 <sup>h</sup> 15'56 | 9 <sup>h</sup> 20  | 15 <sup>h</sup> 46 | 5 <sup>h</sup> 48  | 12 <sup>h</sup> 11 | 6 <sup>h</sup> 55 | 23 <sup>h</sup> 59 | 4 <sup>h</sup> 29  | 12 <sup>h</sup> 37 | 15 <sup>h</sup> 42  | 5 <sup>h</sup> 38  | 4 <sup>h</sup> 20 | 10 <sup>h</sup> 23 | n.a. |
| S 4 | 12 45 43 | 13 <sup>h</sup> 14'06 | 24 <sup>h</sup> 2  | 16 <sup>h</sup> 59 | 6 <sup>h</sup> 59  | 12 <sup>h</sup> 55 | 7 <sup>h</sup> 4  | 24 <sup>h</sup> 6  | 4 <sup>h</sup> 29  | 12 <sup>h</sup> 39 | 15 <sup>h</sup> 41  | 5 <sup>h</sup> 32  | 4 <sup>h</sup> 16 | 10 <sup>h</sup> 30 | n.a. |
| M 5 | 12 49 39 | 14 <sup>h</sup> 12'13 | 8 <sup>h</sup> 11  | 18 <sup>h</sup> 14 | 8 <sup>h</sup> 10  | 13 <sup>h</sup> 39 | 7 <sup>h</sup> 13 | 24 <sup>h</sup> 13 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 41 | 15 <sup>h</sup> 41  | 5 <sup>h</sup> 28  | 4 <sup>h</sup> 13 | 10 <sup>h</sup> 37 | n.a. |
| T 6 | 12 53 36 | 15 <sup>h</sup> 10'19 | 23 <sup>h</sup> 12 | 19 <sup>h</sup> 32 | 9 <sup>h</sup> 21  | 14 <sup>h</sup> 23 | 7 <sup>h</sup> 23 | 24 <sup>h</sup> 21 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 43 | 15 <sup>h</sup> 40  | 5 <sup>h</sup> 24  | 4 <sup>h</sup> 10 | 10 <sup>h</sup> 43 | n.a. |
| W 7 | 12 57 33 | 16 <sup>h</sup> 8'22  | 7 <sup>h</sup> 28  | 20 <sup>h</sup> 52 | 10 <sup>h</sup> 32 | 15 <sup>h</sup> 6  | 7 <sup>h</sup> 32 | 24 <sup>h</sup> 28 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 46 | 15 <sup>h</sup> 39  | 5 <sup>h</sup> 22  | 4 <sup>h</sup> 7  | 10 <sup>h</sup> 50 | n.a. |
| T 8 | 13 1 29  | 17 <sup>h</sup> 6'24  | 21 <sup>h</sup> 29 | 22 <sup>h</sup> 14 | 11 <sup>h</sup> 43 | 15 <sup>h</sup> 50 | 7 <sup>h</sup> 41 | 24 <sup>h</sup> 35 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 48 | 15 <sup>h</sup> 39  | 5 <sup>h</sup> D22 | 4 <sup>h</sup> 4  | 10 <sup>h</sup> 57 | n.a. |
| F 9 | 13 5 26  | 18 <sup>h</sup> 4'23  | 5 <sup>h</sup> 14  | 23 <sup>h</sup> 39 | 12 <sup>h</sup> 54 | 16 <sup>h</sup> 34 | 7 <sup>h</sup> 50 | 24 <sup>h</sup> 43 | 4 <sup>h</sup> R30 | 12 <sup>h</sup> 50 | 15 <sup>h</sup> 38  | 5 <sup>h</sup> 23  | 4 <sup>h</sup> 0  | 11 <sup>h</sup> 3  | n.a. |
| S10 | 13 9 22  | 19 <sup>h</sup> 2'20  | 18 <sup>h</sup> 43 | 25 <sup>h</sup> 6  | 14 <sup>h</sup> 5  | 17 <sup>h</sup> 17 | 7 <sup>h</sup> 59 | 24 <sup>h</sup> 50 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 52 | 15 <sup>h</sup> 38  | 5 <sup>h</sup> 24  | 3 <sup>h</sup> 57 | 11 <sup>h</sup> 10 | n.a. |
| S11 | 13 13 19 | 20 <sup>h</sup> 0'16  | 1 <sup>h</sup> 57  | 26 <sup>h</sup> 34 | 15 <sup>h</sup> 17 | 18 <sup>h</sup> 1  | 8 <sup>h</sup> 7  | 24 <sup>h</sup> 57 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 55 | 15 <sup>h</sup> 37  | 5 <sup>h</sup> R25 | 3 <sup>h</sup> 54 | 11 <sup>h</sup> 17 | n.a. |
| M12 | 13 17 15 | 20 <sup>h</sup> 58'09 | 14 <sup>h</sup> 58 | 28 <sup>h</sup> 5  | 16 <sup>h</sup> 28 | 18 <sup>h</sup> 44 | 8 <sup>h</sup> 16 | 25 <sup>h</sup> 4  | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 57 | 15 <sup>h</sup> 37  | 5 <sup>h</sup> 25  | 3 <sup>h</sup> 51 | 11 <sup>h</sup> 24 | n.a. |
| T13 | 13 21 12 | 21 <sup>h</sup> 56'01 | 27 <sup>h</sup> 47 | 29 <sup>h</sup> 38 | 17 <sup>h</sup> 39 | 19 <sup>h</sup> 27 | 8 <sup>h</sup> 24 | 25 <sup>h</sup> 11 | 4 <sup>h</sup> 30  | 12 <sup>h</sup> 59 | 15 <sup>h</sup> 36  | 5 <sup>h</sup> 22  | 3 <sup>h</sup> 48 | 11 <sup>h</sup> 30 | n.a. |
| W14 | 13 25 8  | 22 <sup>h</sup> 53'51 | 10 <sup>h</sup> 25 | 1 <sup>h</sup> 13  | 18 <sup>h</sup> 50 | 20 <sup>h</sup> 11 | 8 <sup>h</sup> 33 | 25 <sup>h</sup> 18 | 4 <sup>h</sup> 30  | 13 <sup>h</sup> 1  | 15 <sup>h</sup> 36  | 5 <sup>h</sup> 18  | 3 <sup>h</sup> 45 | 11 <sup>h</sup> 37 | n.a. |
| T15 | 13 29 5  | 23 <sup>h</sup> 51'39 | 22 <sup>h</sup> 53 | 2 <sup>h</sup> 50  | 20 <sup>h</sup> 2  | 20 <sup>h</sup> 54 | 8 <sup>h</sup> 41 | 25 <sup>h</sup> 25 | 4 <sup>h</sup> 29  | 13 <sup>h</sup> 3  | 15 <sup>h</sup> 35  | 5 <sup>h</sup> 11  | 3 <sup>h</sup> 41 | 11 <sup>h</sup> 44 | n.a. |
| F16 | 13 33 2  | 24 <sup>h</sup> 49'26 | 5 <sup>h</sup> 11  | 4 <sup>h</sup> 29  | 21 <sup>h</sup> 13 | 21 <sup>h</sup> 37 | 8 <sup>h</sup> 49 | 25 <sup>h</sup> 33 | 4 <sup>h</sup> 29  | 13 <sup>h</sup> 6  | 15 <sup>h</sup> 35  | 5 <sup>h</sup> 3   | 3 <sup>h</sup> 38 | 11 <sup>h</sup> 50 | n.a. |
| S17 | 13 36 58 | 25 <sup>h</sup> 47'11 | 17 <sup>h</sup> 20 | 6 <sup>h</sup> 10  | 22 <sup>h</sup> 25 | 22 <sup>h</sup> 20 | 8 <sup>h</sup> 57 | 25 <sup>h</sup> 40 | 4 <sup>h</sup> 29  | 13 <sup>h</sup> 8  | 15 <sup>h</sup> 35  | 4 <sup>h</sup> 54  | 3 <sup>h</sup> 35 | 11 <sup>h</sup> 57 | n.a. |
| S18 | 13 40 55 | 26 <sup>h</sup> 44'55 | 29 <sup>h</sup> 21 | 7 <sup>h</sup> 53  | 23 <sup>h</sup> 36 | 23 <sup>h</sup> 3  | 9 <sup>h</sup> 5  | 25 <sup>h</sup> 46 | 4 <sup>h</sup> 28  | 13 <sup>h</sup> 10 | 15 <sup>h</sup> 34  | 4 <sup>h</sup> 44  | 3 <sup>h</sup> 32 | 12 <sup>h</sup> 4  | n.a. |
| M19 | 13 44 51 | 27 <sup>h</sup> 42'38 | 11 <sup>h</sup> 16 | 9 <sup>h</sup> 38  | 24 <sup>h</sup> 48 | 23 <sup>h</sup> 46 | 9 <sup>h</sup> 12 | 25 <sup>h</sup> 53 | 4 <sup>h</sup> 28  | 13 <sup>h</sup> 12 | 15 <sup>h</sup> 34  | 4 <sup>h</sup> 35  | 3 <sup>h</sup> 29 | 12 <sup>h</sup> 11 | n.a. |
| T20 | 13 48 48 | 28 <sup>h</sup> 40'19 | 23 <sup>h</sup> 9  | 11<                |                    |                    |                   |                    |                    |                    |                     |                    |                   |                    |      |

SWISS EPHEMERIS for the year 230

MAY 230 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁     | ♁     | ♁     | ♁     | ♁    | ♁     | ♁    |
|------|----------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|
| S 1  | 14 32 10 | 9♁13'41  | 18♁19 | 3♁12  | 9♁ 8  | 2♁19  | 10♁32 | 27♁13 | 4°R19 | 13♁38 | 15♁33 | 3°R53 | 2♁51 | 13♁31 | n.a. |
| S 2  | 14 36 6  | 10°11'10 | 3♁25  | 5°21  | 10°20 | 3° 1  | 10°37 | 27°20 | 4♁18  | 13°40 | 15°33 | 3♁43  | 2°47 | 13°38 | n.a. |
| M 3  | 14 40 3  | 11° 8'37 | 18°26 | 7°30  | 11°32 | 3°44  | 10°43 | 27°26 | 4°17  | 13°42 | 15°33 | 3°34  | 2°44 | 13°45 | n.a. |
| T 4  | 14 44 0  | 12° 6'03 | 3♁15  | 9°41  | 12°43 | 4°26  | 10°48 | 27°32 | 4°16  | 13°44 | 15°34 | 3°28  | 2°41 | 13°51 | n.a. |
| W 5  | 14 47 56 | 13° 3'27 | 17°45 | 11°53 | 13°55 | 5° 8  | 10°53 | 27°38 | 4°14  | 13°46 | 15°34 | 3°23  | 2°38 | 13°58 | n.a. |
| T 6  | 14 51 53 | 14° 0'50 | 1♁53  | 14° 4 | 15° 7 | 5°50  | 10°58 | 27°44 | 4°13  | 13°48 | 15°34 | 3°21  | 2°35 | 14° 5 | n.a. |
| F 7  | 14 55 49 | 14°58'12 | 15°36 | 16°16 | 16°19 | 6°32  | 11° 3 | 27°50 | 4°12  | 13°50 | 15°34 | 3°D20 | 2°32 | 14°12 | n.a. |
| S 8  | 14 59 46 | 15°55'33 | 28°59 | 18°28 | 17°31 | 7°14  | 11° 8 | 27°56 | 4°11  | 13°52 | 15°35 | 3°R20 | 2°28 | 14°18 | n.a. |
| S 9  | 15 3 42  | 16°52'52 | 12♁ 1 | 20°39 | 18°43 | 7°56  | 11°12 | 28° 2 | 4° 9  | 13°54 | 15°35 | 3°20  | 2°25 | 14°25 | n.a. |
| M10  | 15 7 39  | 17°50'11 | 24°48 | 22°50 | 19°55 | 8°38  | 11°16 | 28° 8 | 4° 8  | 13°56 | 15°35 | 3°19  | 2°22 | 14°32 | n.a. |
| T 11 | 15 11 35 | 18°47'28 | 7♁21  | 24°59 | 21° 7 | 9°20  | 11°20 | 28°14 | 4° 6  | 13°58 | 15°36 | 3°14  | 2°19 | 14°38 | n.a. |
| W12  | 15 15 32 | 19°44'44 | 19°43 | 27° 7 | 22°19 | 10° 2 | 11°24 | 28°20 | 4° 5  | 14° 0 | 15°36 | 3° 8  | 2°16 | 14°45 | n.a. |
| T 13 | 15 19 29 | 20°41'59 | 1♁57  | 29°14 | 23°32 | 10°44 | 11°28 | 28°25 | 4° 3  | 14° 2 | 15°37 | 2°58  | 2°12 | 14°52 | n.a. |
| F 14 | 15 23 25 | 21°39'14 | 14° 3 | 1♁20  | 24°44 | 11°26 | 11°32 | 28°31 | 4° 2  | 14° 4 | 15°37 | 2°46  | 2° 9 | 14°59 | n.a. |
| S 15 | 15 27 22 | 22°36'27 | 26° 4 | 3°23  | 25°56 | 12° 7 | 11°35 | 28°37 | 4° 0  | 14° 6 | 15°38 | 2°33  | 2° 6 | 15° 5 | n.a. |
| S 16 | 15 31 18 | 23°33'41 | 8♁ 0  | 5°25  | 27° 8 | 12°49 | 11°38 | 28°42 | 3°59  | 14° 8 | 15°38 | 2°20  | 2° 3 | 15°12 | n.a. |
| M17  | 15 35 15 | 24°30'53 | 19°53 | 7°25  | 28°20 | 13°31 | 11°41 | 28°48 | 3°57  | 14° 9 | 15°39 | 2° 7  | 2° 0 | 15°19 | n.a. |
| T 18 | 15 39 11 | 25°28'05 | 1♁45  | 9°22  | 29°33 | 14°12 | 11°44 | 28°53 | 3°55  | 14°11 | 15°39 | 1°56  | 1°57 | 15°26 | n.a. |
| W19  | 15 43 8  | 26°25'17 | 13°37 | 11°18 | 0♁45  | 14°54 | 11°47 | 28°58 | 3°54  | 14°13 | 15°40 | 1°48  | 1°53 | 15°32 | n.a. |
| T 20 | 15 47 4  | 27°22'28 | 25°33 | 13°11 | 1°57  | 15°35 | 11°49 | 29° 3 | 3°52  | 14°15 | 15°41 | 1°42  | 1°50 | 15°39 | n.a. |
| F 21 | 15 51 1  | 28°19'39 | 7♁38  | 15° 2 | 3° 9  | 16°17 | 11°52 | 29° 9 | 3°50  | 14°17 | 15°41 | 1°39  | 1°47 | 15°46 | n.a. |
| S 22 | 15 54 58 | 29°16'49 | 19°54 | 16°51 | 4°22  | 16°58 | 11°54 | 29°14 | 3°48  | 14°18 | 15°42 | 1°38  | 1°44 | 15°52 | n.a. |
| S 23 | 15 58 54 | 0♁13'59  | 2♁28  | 18°37 | 5°34  | 17°39 | 11°56 | 29°19 | 3°47  | 14°20 | 15°43 | 1°38  | 1°41 | 15°59 | n.a. |
| M24  | 16 2 51  | 1°11'10  | 15°23 | 20°21 | 6°47  | 18°21 | 11°57 | 29°24 | 3°45  | 14°22 | 15°44 | 1°37  | 1°37 | 16° 6 | n.a. |
| T 25 | 16 6 47  | 2° 8'20  | 28°45 | 22° 2 | 7°59  | 19° 2 | 11°59 | 29°29 | 3°43  | 14°23 | 15°45 | 1°36  | 1°34 | 16°13 | n.a. |
| W26  | 16 10 44 | 3° 5'29  | 12♁36 | 23°42 | 9°11  | 19°43 | 12° 0 | 29°33 | 3°41  | 14°25 | 15°45 | 1°32  | 1°31 | 16°19 | n.a. |
| T 27 | 16 14 40 | 4° 2'39  | 26°56 | 25°18 | 10°24 | 20°24 | 12° 1 | 29°38 | 3°39  | 14°27 | 15°46 | 1°26  | 1°28 | 16°26 | n.a. |
| F 28 | 16 18 37 | 4°59'49  | 11♁42 | 26°53 | 11°36 | 21° 5 | 12° 2 | 29°43 | 3°37  | 14°28 | 15°47 | 1°17  | 1°25 | 16°33 | n.a. |
| S 29 | 16 22 33 | 5°56'59  | 26°49 | 28°25 | 12°49 | 21°46 | 12° 3 | 29°47 | 3°35  | 14°30 | 15°48 | 1° 7  | 1°22 | 16°39 | n.a. |
| S 30 | 16 26 30 | 6°54'08  | 12♁ 6 | 29°55 | 14° 2 | 22°27 | 12° 4 | 29°52 | 3°33  | 14°31 | 15°49 | 0°56  | 1°18 | 16°46 | n.a. |
| M31  | 16 30 27 | 7♁51'18  | 27♁22 | 1♁22  | 15♁14 | 23♁ 8 | 12° 4 | 29°56 | 3♁31  | 14°33 | 15°50 | 0♁46  | 1♁15 | 16°53 | n.a. |

Delta T = 02h18m06s

Julian Calendar 1 May 230 == Greg. Calendar 1 May 230

JUNE 230 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃      | ♅    | ♁     | ♁     | ♁     | ♁      | ♁     | ♁     | ♁    |
|------|----------|----------|-------|--------|-------|-------|--------|------|-------|-------|-------|--------|-------|-------|------|
| T 1  | 16 34 23 | 8♁48'27  | 12♁26 | 2♁46   | 16♁27 | 23♁49 | 12°R 4 | 0♁ 0 | 3°R29 | 14°34 | 15°51 | 0°R38  | 1♁12  | 17° 0 | n.a. |
| W 2  | 16 38 20 | 9°45'35  | 27°10 | 4° 8   | 17°39 | 24°30 | 12° 4  | 0° 5 | 3♁26  | 14°36 | 15°52 | 0♁33   | 1° 9  | 17° 6 | n.a. |
| T 3  | 16 42 16 | 10°42'44 | 11♁28 | 5°28   | 18°52 | 25°11 | 12° 4  | 0° 9 | 3°24  | 14°37 | 15°53 | 0°30   | 1° 6  | 17°13 | n.a. |
| F 4  | 16 46 13 | 11°39'52 | 25°18 | 6°45   | 20° 5 | 25°51 | 12° 4  | 0°13 | 3°22  | 14°39 | 15°54 | 0°D29  | 1° 3  | 17°20 | n.a. |
| S 5  | 16 50 9  | 12°36'59 | 8♁43  | 7°59   | 21°17 | 26°32 | 12° 3  | 0°17 | 3°20  | 14°40 | 15°55 | 0°R29  | 0°59  | 17°26 | n.a. |
| S 6  | 16 54 6  | 13°34'06 | 21°43 | 9°11   | 22°30 | 27°13 | 12° 2  | 0°21 | 3°18  | 14°41 | 15°56 | 0°29   | 0°56  | 17°33 | n.a. |
| M 7  | 16 58 2  | 14°31'13 | 4♁24  | 10°20  | 23°43 | 27°53 | 12° 1  | 0°25 | 3°16  | 14°43 | 15°58 | 0°27   | 0°53  | 17°40 | n.a. |
| T 8  | 17 1 59  | 15°28'20 | 16°50 | 11°26  | 24°56 | 28°34 | 12° 0  | 0°28 | 3°13  | 14°44 | 15°59 | 0°23   | 0°50  | 17°47 | n.a. |
| W 9  | 17 5 56  | 16°25'27 | 29° 3 | 12°29  | 26° 9 | 29°14 | 11°59  | 0°32 | 3°11  | 14°45 | 16° 0 | 0°17   | 0°47  | 17°53 | n.a. |
| T 10 | 17 9 52  | 17°22'34 | 11♁ 8 | 13°29  | 27°21 | 29°55 | 11°57  | 0°35 | 3° 9  | 14°47 | 16° 1 | 0° 8   | 0°43  | 18° 0 | n.a. |
| F 11 | 17 13 49 | 18°19'40 | 23° 7 | 14°26  | 28°34 | 0♁35  | 11°56  | 0°39 | 3° 6  | 14°48 | 16° 3 | 29♁57  | 0°40  | 18° 7 | n.a. |
| S 12 | 17 17 45 | 19°16'47 | 5♁ 1  | 15°20  | 29°47 | 1°16  | 11°54  | 0°42 | 3° 4  | 14°49 | 16° 4 | 29°45  | 0°37  | 18°14 | n.a. |
| S 13 | 17 21 42 | 20°13'54 | 16°54 | 16°10  | 1♁ 0  | 1°56  | 11°52  | 0°46 | 3° 2  | 14°50 | 16° 5 | 29°32  | 0°34  | 18°20 | n.a. |
| M14  | 17 25 38 | 21°11'01 | 28°46 | 16°57  | 2°13  | 2°36  | 11°49  | 0°49 | 2°59  | 14°51 | 16° 6 | 29°21  | 0°31  | 18°27 | n.a. |
| T 15 | 17 29 35 | 22° 8'09 | 10♁40 | 17°41  | 3°26  | 3°16  | 11°47  | 0°52 | 2°57  | 14°53 | 16° 8 | 29°10  | 0°28  | 18°34 | n.a. |
| W16  | 17 33 31 | 23° 5'17 | 22°35 | 18°20  | 4°39  | 3°57  | 11°44  | 0°55 | 2°55  | 14°54 | 16° 9 | 29° 3  | 0°24  | 18°40 | n.a. |
| T 17 | 17 37 28 | 24° 2'26 | 4♁36  | 18°56  | 5°52  | 4°37  | 11°41  | 0°58 | 2°52  | 14°55 | 16°11 | 28°57  | 0°21  | 18°47 | n.a. |
| F 18 | 17 41 25 | 24°59'35 | 16°44 | 19°28  | 7° 5  | 5°17  | 11°38  | 1° 1 | 2°50  | 14°56 | 16°12 | 28°55  | 0°18  | 18°54 | n.a. |
| S 19 | 17 45 21 | 25°56'44 | 29° 4 | 19°55  | 8°18  | 5°57  | 11°35  | 1° 3 | 2°48  | 14°57 | 16°13 | 28°D54 | 0°15  | 19° 1 | n.a. |
| S 20 | 17 49 18 | 26°53'55 | 11♁39 | 20°18  | 9°31  | 6°37  | 11°32  | 1° 6 | 2°45  | 14°58 | 16°15 | 28°54  | 0°12  | 19° 7 | n.a. |
| M21  | 17 53 14 | 27°51'06 | 24°33 | 20°37  | 10°44 | 7°17  | 11°28  | 1° 8 | 2°43  | 14°59 | 16°16 | 28°R55 | 0° 9  | 19°14 | n.a. |
| T 22 | 17 57 11 | 28°48'17 | 7♁51  | 20°51  | 11°58 | 7°57  | 11°24  | 1°11 | 2°40  | 15° 0 | 16°18 | 28°55  | 0° 5  | 19°21 | n.a. |
| W23  | 18 1 7   | 29°45'30 | 21°35 | 21° 1  | 13°11 | 8°37  | 11°20  | 1°13 | 2°38  | 15° 0 | 16°20 | 28°53  | 0° 2  | 19°27 | n.a. |
| T 24 | 18 5 4   | 0♁42'44  | 5♁46  | 21°R 6 | 14°24 | 9°16  | 11°16  | 1°15 | 2°36  | 15° 1 | 16°21 | 28°49  | 29♁59 | 19°34 | n.a. |
| F 25 | 18 9 0   | 1°39'58  | 20°23 | 21° 5  | 15°37 | 9°56  | 11°12  | 1°18 | 2°33  | 15° 2 | 16°23 | 28°42  | 29°56 | 19°41 | n.a. |
| S 26 | 18 12 57 | 2°37'14  | 5♁22  | 21° 0  | 16°51 | 10°36 | 11° 7  | 1°20 | 2°31  | 15° 3 | 16°24 | 28°35  | 29°53 | 19°48 | n.a. |
| S 27 | 18 16 54 | 3°34'30  | 20°34 | 20°50  | 18° 4 | 11°16 | 11° 3  | 1°21 | 2°28  | 15° 4 | 16°26 | 28°27  | 29°49 | 19°54 | n.a. |
| M28  | 18 20 50 | 4°31'48  | 5♁49  | 20°35  | 19°17 | 11°55 | 10°58  | 1°23 | 2°26  | 15° 4 | 16°28 | 28°19  | 29°46 | 20° 1 | n.a. |
| T 29 | 18 24 47 | 5°29'06  | 20°56 | 20°15  | 20°31 | 12°35 | 10°53  | 1°25 | 2°24  | 15° 5 | 16°29 | 28°13  | 29°43 | 20° 8 | n.a. |
| W30  | 18 28 43 | 6♁26'24  | 5♁46  | 19♁51  | 21♁44 | 13♁15 | 10° 48 | 1°27 | 2♁21  | 15° 6 | 16°31 | 28° 9  | 29♁40 | 20°14 | n.a. |

Delta T = 02h18m05s

Julian Calendar

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SWISS EPHEMERIS for the year 230

JULY 230 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀      | ♁     | ♂     | ♃      | ♅     | ♁     | ♁      | ♁     | ♁      | ♁     | ♁     | ♁    |
|------|----------|----------|-------|--------|-------|-------|--------|-------|-------|--------|-------|--------|-------|-------|------|
| T 1  | 18 32 40 | 7♄23'44  | 20♂13 | 19°R22 | 22♂58 | 13♂54 | 10°R43 | 1♂28  | 2°R19 | 15♂6   | 16♂33 | 28°R7  | 29♂37 | 20♂21 | n.a. |
| F 2  | 18 36 36 | 8°21'03  | 4♂11  | 18♄49  | 24°11 | 14°34 | 10♄37  | 1°30  | 2♄16  | 15°7   | 16°34 | 28°D7  | 29°34 | 20°28 | n.a. |
| S 3  | 18 40 33 | 9°18'24  | 17°42 | 18°12  | 25°25 | 15°13 | 10°32  | 1°31  | 2°14  | 15°8   | 16°36 | 28♂8   | 29°30 | 20°35 | n.a. |
| S 4  | 18 44 29 | 10°15'45 | 0♄47  | 17°32  | 26°38 | 15°52 | 10°26  | 1°32  | 2°12  | 15°8   | 16°38 | 28°9   | 29°27 | 20°41 | n.a. |
| M 5  | 18 48 26 | 11°13'07 | 13°30 | 16°50  | 27°52 | 16°32 | 10°20  | 1°33  | 2°9   | 15°9   | 16°40 | 28°R9  | 29°24 | 20°48 | n.a. |
| T 6  | 18 52 23 | 12°10'29 | 25°54 | 16°5   | 29°5  | 17°11 | 10°14  | 1°34  | 2°7   | 15°9   | 16°41 | 28°8   | 29°21 | 20°55 | n.a. |
| W 7  | 18 56 19 | 13°7'52  | 8♂5   | 15°20  | 0♄19  | 17°50 | 10°8   | 1°35  | 2°5   | 15°10  | 16°43 | 28°5   | 29°18 | 21°1  | n.a. |
| T 8  | 19 0 16  | 14°5'16  | 20°6  | 14°34  | 1°33  | 18°30 | 10°2   | 1°36  | 2°2   | 15°10  | 16°45 | 28°0   | 29°15 | 21°8  | n.a. |
| F 9  | 19 4 12  | 15°2'41  | 2♂1   | 13°49  | 2°46  | 19°9  | 9°55   | 1°37  | 2°0   | 15°10  | 16°47 | 27°54  | 29°11 | 21°15 | n.a. |
| S 10 | 19 8 9   | 16°0'07  | 13°53 | 13°4   | 4°0   | 19°48 | 9°49   | 1°37  | 1°58  | 15°11  | 16°49 | 27°47  | 29°8  | 21°22 | n.a. |
| S 11 | 19 12 5  | 16°57'34 | 25°45 | 12°22  | 5°14  | 20°27 | 9°42   | 1°38  | 1°55  | 15°11  | 16°50 | 27°39  | 29°5  | 21°28 | n.a. |
| M12  | 19 16 2  | 17°55'01 | 7♄39  | 11°43  | 6°27  | 21°6  | 9°36   | 1°38  | 1°53  | 15°11  | 16°52 | 27°32  | 29°2  | 21°35 | n.a. |
| T 13 | 19 19 58 | 18°52'30 | 19°37 | 11°8   | 7°41  | 21°45 | 9°29   | 1°38  | 1°51  | 15°12  | 16°54 | 27°26  | 28°59 | 21°42 | n.a. |
| W14  | 19 23 55 | 19°50'01 | 1♄41  | 10°38  | 8°55  | 22°24 | 9°22   | 1°39  | 1°48  | 15°12  | 16°56 | 27°21  | 28°55 | 21°48 | n.a. |
| T 15 | 19 27 52 | 20°47'32 | 13°51 | 10°12  | 10°9  | 23°3  | 9°15   | 1°R39 | 1°46  | 15°12  | 16°58 | 27°19  | 28°52 | 21°55 | n.a. |
| F 16 | 19 31 48 | 21°45'05 | 26°10 | 9°52   | 11°23 | 23°42 | 9°8    | 1°39  | 1°44  | 15°12  | 17°0  | 27°D18 | 28°49 | 22°2  | n.a. |
| S 17 | 19 35 45 | 22°42'39 | 8♂41  | 9°39   | 12°37 | 24°21 | 9°0    | 1°38  | 1°42  | 15°12  | 17°2  | 27°18  | 28°46 | 22°9  | n.a. |
| S 18 | 19 39 41 | 23°40'15 | 21°25 | 9°32   | 13°51 | 24°59 | 8°53   | 1°38  | 1°40  | 15°12  | 17°4  | 27°20  | 28°43 | 22°15 | n.a. |
| M19  | 19 43 38 | 24°37'52 | 4♂25  | 9°D32  | 15°5  | 25°38 | 8°46   | 1°38  | 1°37  | 15°12  | 17°6  | 27°21  | 28°40 | 22°22 | n.a. |
| T 20 | 19 47 34 | 25°35'31 | 17°44 | 9°39   | 16°19 | 26°17 | 8°38   | 1°37  | 1°35  | 15°R12 | 17°8  | 27°22  | 28°36 | 22°29 | n.a. |
| W21  | 19 51 31 | 26°33'11 | 1♄24  | 9°54   | 17°33 | 26°55 | 8°31   | 1°37  | 1°33  | 15°12  | 17°10 | 27°R22 | 28°33 | 22°35 | n.a. |
| T 22 | 19 55 27 | 27°30'54 | 15°26 | 10°15  | 18°47 | 27°34 | 8°23   | 1°36  | 1°31  | 15°12  | 17°12 | 27°21  | 28°30 | 22°42 | n.a. |
| F 23 | 19 59 24 | 28°28'38 | 29°48 | 10°45  | 20°1  | 28°13 | 8°16   | 1°35  | 1°29  | 15°12  | 17°14 | 27°19  | 28°27 | 22°49 | n.a. |
| S 24 | 20 3 21  | 29°26'24 | 14♂30 | 11°21  | 21°15 | 28°51 | 8°8    | 1°34  | 1°27  | 15°12  | 17°16 | 27°16  | 28°24 | 22°56 | n.a. |
| S 25 | 20 7 17  | 0♄24'11  | 29°23 | 12°5   | 22°29 | 29°30 | 8°0    | 1°33  | 1°25  | 15°12  | 17°18 | 27°12  | 28°21 | 23°2  | n.a. |
| M26  | 20 11 14 | 1°22'01  | 14♄22 | 12°56  | 23°43 | 0♄8   | 7°52   | 1°32  | 1°23  | 15°12  | 17°20 | 27°8   | 28°17 | 23°9  | n.a. |
| T 27 | 20 15 10 | 2°19'52  | 29°17 | 13°53  | 24°58 | 0°47  | 7°45   | 1°31  | 1°21  | 15°11  | 17°22 | 27°6   | 28°14 | 23°16 | n.a. |
| W28  | 20 19 7  | 3°17'44  | 14♂0  | 14°58  | 26°12 | 1°25  | 7°37   | 1°30  | 1°19  | 15°11  | 17°24 | 27°4   | 28°11 | 23°22 | n.a. |
| T 29 | 20 23 3  | 4°15'38  | 28°24 | 16°9   | 27°26 | 2°3   | 7°29   | 1°29  | 1°17  | 15°11  | 17°26 | 27°D4  | 28°8  | 23°29 | n.a. |
| F 30 | 20 27 0  | 5°13'34  | 12♂25 | 17°25  | 28°40 | 2°42  | 7°21   | 1°27  | 1°15  | 15°11  | 17°28 | 27°4   | 28°5  | 23°36 | n.a. |
| S 31 | 20 30 56 | 6♄11'31  | 26♂0  | 18♄48  | 29♄55 | 3♄20  | 7♄13   | 1♂25  | 1♄13  | 15♂10  | 17♄30 | 27♄5   | 28♄1  | 23♂43 | n.a. |

Delta T = 02h18m04s Julian Calendar 1 July 230 == Greg. Calendar 1 July 230

AUGUST 230 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽     | ♀     | ♁     | ♂     | ♃    | ♅     | ♁     | ♁      | ♁     | ♁      | ♁     | ♁     | ♁    |
|------|----------|----------|-------|-------|-------|-------|------|-------|-------|--------|-------|--------|-------|-------|------|
| S 1  | 20 34 53 | 7♄9'29   | 9♄10  | 20♄15 | 1♄9   | 3♄58  | 7°R5 | 1°R24 | 1°R12 | 15°R10 | 17♄32 | 27♄7   | 27♄58 | 23♂49 | n.a. |
| M 2  | 20 38 50 | 8°7'28   | 21°57 | 21°48 | 2°23  | 4°36  | 6♄57 | 1♂22  | 1♄10  | 15♂10  | 17°34 | 27°8   | 27°55 | 23°56 | n.a. |
| T 3  | 20 42 46 | 9°5'30   | 4♂24  | 23°24 | 3°38  | 5°15  | 6°49 | 1°20  | 1°8   | 15°9   | 17°36 | 27°R9  | 27°52 | 24°3  | n.a. |
| W 4  | 20 46 43 | 10°3'32  | 16°36 | 25°5  | 4°52  | 5°53  | 6°41 | 1°18  | 1°6   | 15°9   | 17°38 | 27°9   | 27°49 | 24°9  | n.a. |
| T 5  | 20 50 39 | 11°1'36  | 28°37 | 26°49 | 6°7   | 6°31  | 6°34 | 1°16  | 1°5   | 15°8   | 17°41 | 27°8   | 27°46 | 24°16 | n.a. |
| F 6  | 20 54 36 | 11°59'42 | 10♂32 | 28°36 | 7°21  | 7°9   | 6°26 | 1°14  | 1°3   | 15°8   | 17°43 | 27°6   | 27°42 | 24°23 | n.a. |
| S 7  | 20 58 32 | 12°57'49 | 22°23 | 0♄25  | 8°35  | 7°47  | 6°18 | 1°11  | 1°2   | 15°7   | 17°45 | 27°5   | 27°39 | 24°29 | n.a. |
| S 8  | 21 2 29  | 13°55'58 | 4♄17  | 2°16  | 9°50  | 8°25  | 6°10 | 1°9   | 1°0   | 15°6   | 17°47 | 27°2   | 27°36 | 24°36 | n.a. |
| M 9  | 21 6 25  | 14°54'09 | 16°14 | 4°9   | 11°4  | 9°2   | 6°2  | 1°7   | 0°58  | 15°6   | 17°49 | 27°1   | 27°33 | 24°43 | n.a. |
| T 10 | 21 10 22 | 15°52'21 | 28°19 | 6°3   | 12°19 | 9°40  | 5°55 | 1°4   | 0°57  | 15°5   | 17°51 | 26°59  | 27°30 | 24°50 | n.a. |
| W11  | 21 14 19 | 16°50'35 | 10♄33 | 7°58  | 13°34 | 10°18 | 5°47 | 1°1   | 0°56  | 15°4   | 17°53 | 26°58  | 27°27 | 24°56 | n.a. |
| T 12 | 21 18 15 | 17°48'51 | 22°57 | 9°53  | 14°48 | 10°56 | 5°40 | 0°59  | 0°54  | 15°4   | 17°55 | 26°D58 | 27°23 | 25°3  | n.a. |
| F 13 | 21 22 12 | 18°47'08 | 5♂34  | 11°49 | 16°3  | 11°33 | 5°32 | 0°56  | 0°53  | 15°3   | 17°57 | 26°58  | 27°20 | 25°10 | n.a. |
| S 14 | 21 26 8  | 19°45'28 | 18°23 | 13°44 | 17°17 | 12°11 | 5°25 | 0°53  | 0°51  | 15°2   | 17°59 | 26°58  | 27°17 | 25°16 | n.a. |
| S 15 | 21 30 5  | 20°43'50 | 1♂25  | 15°40 | 18°32 | 12°49 | 5°17 | 0°50  | 0°50  | 15°1   | 18°2  | 26°59  | 27°14 | 25°23 | n.a. |
| M16  | 21 34 1  | 21°42'13 | 14°41 | 17°35 | 19°47 | 13°26 | 5°10 | 0°47  | 0°49  | 15°1   | 18°4  | 26°59  | 27°11 | 25°30 | n.a. |
| T 17 | 21 37 58 | 22°40'39 | 28°11 | 19°29 | 21°1  | 14°4  | 5°3  | 0°44  | 0°48  | 15°0   | 18°6  | 27°0   | 27°7  | 25°37 | n.a. |
| W18  | 21 41 54 | 23°39'07 | 11♄56 | 21°23 | 22°16 | 14°41 | 4°56 | 0°40  | 0°47  | 14°59  | 18°8  | 27°0   | 27°4  | 25°43 | n.a. |
| T 19 | 21 45 51 | 24°37'38 | 25°55 | 23°16 | 23°31 | 15°19 | 4°49 | 0°37  | 0°45  | 14°58  | 18°10 | 27°R0  | 27°1  | 25°50 | n.a. |
| F 20 | 21 49 48 | 25°36'11 | 10♂11 | 25°8  | 24°46 | 15°56 | 4°42 | 0°34  | 0°44  | 14°57  | 18°12 | 27°0   | 26°58 | 25°57 | n.a. |
| S 21 | 21 53 44 | 26°34'46 | 24°29 | 26°59 | 26°0  | 16°34 | 4°35 | 0°30  | 0°43  | 14°56  | 18°14 | 27°D0  | 26°55 | 26°3  | n.a. |
| S 22 | 21 57 41 | 27°33'24 | 8♄58  | 28°50 | 27°15 | 17°11 | 4°28 | 0°27  | 0°42  | 14°55  | 18°16 | 27°0   | 26°52 | 26°10 | n.a. |
| M23  | 22 1 37  | 28°32'03 | 23°31 | 0♂39  | 28°30 | 17°48 | 4°22 | 0°23  | 0°41  | 14°54  | 18°18 | 27°0   | 26°48 | 26°17 | n.a. |
| T 24 | 22 5 34  | 29°30'45 | 8♄2   | 2°28  | 29°45 | 18°25 | 4°15 | 0°19  | 0°41  | 14°53  | 18°20 | 27°0   | 26°45 | 26°23 | n.a. |
| W25  | 22 9 30  | 0♂29'29  | 22°25 | 4°15  | 1♂0   | 19°3  | 4°9  | 0°15  | 0°40  | 14°52  | 18°22 | 27°R1  | 26°42 | 26°30 | n.a. |
| T 26 | 22 13 27 | 1°28'16  | 6♂34  | 6°2   | 2°15  | 19°40 | 4°3  | 0°12  | 0°39  | 14°51  | 18°25 | 27°0   | 26°39 | 26°37 | n.a. |
| F 27 | 22 17 23 | 2°27'04  | 20°26 | 7°47  | 3°29  | 20°17 | 3°57 | 0°8   | 0°38  | 14°50  | 18°27 | 27°0   | 26°36 | 26°44 | n.a. |
| S 28 | 22 21 20 | 3°25'54  | 3♄58  | 9°32  | 4°44  | 20°54 | 3°51 | 0°4   | 0°38  | 14°48  | 18°29 | 27°0   | 26°32 | 26°50 | n.a. |
| S 29 | 22 25 17 | 4°24'46  | 17°8  | 11°15 | 5°59  | 21°31 | 3°45 | 0°0   | 0°37  | 14°47  | 18°31 | 26°59  | 26°29 | 26°57 | n.a. |
| M30  | 22 29 13 | 5°23'40  | 29°57 | 12°58 | 7°14  | 22°8  | 3°39 | 29♂56 | 0°36  | 14°46  | 18°33 | 26°58  | 26°26 | 27°4  | n.a. |
| T 31 | 22 33 10 | 6♂22'35  | 12♂27 | 14♂40 | 8♂29  | 22♄45 | 3♄34 | 29♂51 | 0♄36  | 14♂45  | 18♄35 | 26♄57  | 26♄23 | 27♂10 | n.a. |

Delta T = 02h18m04s Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 230

SEPTEMBER 230 C.E.JC

00:00 UT

| Day  | Sid.t    | ☉        | ☽      | ♀     | ♂     | ♂     | ♂     | ♂      | ♂     | ♂      | ♂      | ♂      | ♂      | ♂     | ♂    | ♂ |
|------|----------|----------|--------|-------|-------|-------|-------|--------|-------|--------|--------|--------|--------|-------|------|---|
| W 1  | 22 37 6  | 7♍21'33  | 24♌40  | 16♍20 | 9♍44  | 23♄22 | 3°R28 | 29°R47 | 0°R35 | 14°R44 | 18♌37  | 26°R56 | 26♌20  | 27♌17 | n.a. |   |
| T 2  | 22 41 3  | 8°20'33  | 6♌42   | 18° 0 | 10°59 | 23°59 | 3♌23  | 29°K43 | 0°R35 | 14°Y42 | 18°39  | 26°D56 | 26°17  | 27°24 | n.a. |   |
| F 3  | 22 44 59 | 9°19'34  | 18°37  | 19°39 | 12°14 | 24°35 | 3°18  | 29°39  | 0°34  | 14°41  | 18°41  | 26°Ω56 | 26°13  | 27°31 | n.a. |   |
| S 4  | 22 48 56 | 10°18'37 | 0°R29  | 21°17 | 13°29 | 25°12 | 3°13  | 29°34  | 0°34  | 14°40  | 18°43  | 26°57  | 26°10  | 27°37 | n.a. |   |
| S 5  | 22 52 52 | 11°17'43 | 12°23  | 22°54 | 14°44 | 25°49 | 3° 9  | 29°30  | 0°34  | 14°38  | 18°45  | 26°58  | 26° 7  | 27°44 | n.a. |   |
| M 6  | 22 56 49 | 12°16'50 | 24°23  | 24°31 | 15°59 | 26°25 | 3° 4  | 29°25  | 0°33  | 14°37  | 18°47  | 26°59  | 26° 4  | 27°51 | n.a. |   |
| T 7  | 23 0 46  | 13°15'59 | 6♌33   | 26° 6 | 17°14 | 27° 2 | 3° 0  | 29°21  | 0°33  | 14°36  | 18°49  | 27° 0  | 26° 1  | 27°57 | n.a. |   |
| W 8  | 23 4 42  | 14°15'10 | 18°57  | 27°41 | 18°29 | 27°38 | 2°56  | 29°16  | 0°33  | 14°34  | 18°51  | 27° 1  | 25°58  | 28° 4 | n.a. |   |
| T 9  | 23 8 39  | 15°14'22 | 1°K35  | 29°15 | 19°44 | 28°15 | 2°52  | 29°12  | 0°33  | 14°33  | 18°53  | 27°R 1 | 25°54  | 28°11 | n.a. |   |
| F 10 | 23 12 35 | 16°13'37 | 14°31  | 0♌48  | 20°59 | 28°51 | 2°48  | 29° 7  | 0°33  | 14°31  | 18°54  | 27° 0  | 25°51  | 28°17 | n.a. |   |
| S 11 | 23 16 32 | 17°12'54 | 27°43  | 2°20  | 22°14 | 29°28 | 2°44  | 29° 2  | 0°D33 | 14°30  | 18°56  | 26°59  | 25°48  | 28°24 | n.a. |   |
| S 12 | 23 20 28 | 18°12'14 | 11°Y11 | 3°51  | 23°29 | 0♌ 4  | 2°41  | 28°58  | 0°33  | 14°28  | 18°58  | 26°56  | 25°45  | 28°31 | n.a. |   |
| M13  | 23 24 25 | 19°11'35 | 24°52  | 5°22  | 24°44 | 0°40  | 2°38  | 28°53  | 0°33  | 14°27  | 19° 0  | 26°53  | 25°42  | 28°38 | n.a. |   |
| T 14 | 23 28 21 | 20°10'59 | 8♌44   | 6°52  | 25°59 | 1°17  | 2°34  | 28°48  | 0°33  | 14°25  | 19° 2  | 26°50  | 25°38  | 28°44 | n.a. |   |
| W15  | 23 32 18 | 21°10'25 | 22°45  | 8°21  | 27°14 | 1°53  | 2°32  | 28°44  | 0°33  | 14°24  | 19° 4  | 26°47  | 25°35  | 28°51 | n.a. |   |
| T 16 | 23 36 14 | 22° 9'53 | 6♌52   | 9°50  | 28°29 | 2°29  | 2°29  | 28°39  | 0°34  | 14°22  | 19° 6  | 26°45  | 25°32  | 28°58 | n.a. |   |
| F 17 | 23 40 11 | 23° 9'25 | 21° 2  | 11°17 | 29°44 | 3° 5  | 2°26  | 28°34  | 0°34  | 14°21  | 19° 8  | 26°D44 | 25°29  | 29° 4 | n.a. |   |
| S 18 | 23 44 8  | 24° 8'58 | 5♄13   | 12°44 | 0♌59  | 3°41  | 2°24  | 28°29  | 0°34  | 14°19  | 19° 9  | 26°44  | 25°26  | 29°11 | n.a. |   |
| S 19 | 23 48 4  | 25° 8'34 | 19°23  | 14°10 | 2°14  | 4°17  | 2°22  | 28°25  | 0°35  | 14°18  | 19°11  | 26°46  | 25°23  | 29°18 | n.a. |   |
| M20  | 23 52 1  | 26° 8'12 | 3♌31   | 15°35 | 3°29  | 4°53  | 2°20  | 28°20  | 0°35  | 14°16  | 19°13  | 26°47  | 25°19  | 29°24 | n.a. |   |
| T 21 | 23 55 57 | 27° 7'53 | 17°33  | 17° 0 | 4°45  | 5°29  | 2°18  | 28°15  | 0°36  | 14°15  | 19°15  | 26°48  | 25°16  | 29°31 | n.a. |   |
| W22  | 23 59 54 | 28° 7'36 | 1♍29   | 18°23 | 6° 0  | 6° 5  | 2°17  | 28°10  | 0°36  | 14°13  | 19°16  | 26°R48 | 25°13  | 29°38 | n.a. |   |
| T 23 | 0 3 50   | 29° 7'21 | 15°14  | 19°46 | 7°15  | 6°40  | 2°16  | 28° 5  | 0°37  | 14°11  | 19°18  | 26°47  | 25°10  | 29°45 | n.a. |   |
| F 24 | 0 7 47   | 0♌ 7'08  | 28°47  | 21° 7 | 8°30  | 7°16  | 2°15  | 28° 0  | 0°38  | 14°10  | 19°20  | 26°44  | 25° 7  | 29°51 | n.a. |   |
| S 25 | 0 11 43  | 1° 6'57  | 12♌ 5  | 22°28 | 9°45  | 7°52  | 2°14  | 27°56  | 0°38  | 14° 8  | 19°21  | 26°39  | 25° 3  | 29°58 | n.a. |   |
| S 26 | 0 15 40  | 2° 6'48  | 25° 6  | 23°47 | 11° 0 | 8°27  | 2°13  | 27°51  | 0°39  | 14° 6  | 19°23  | 26°34  | 25° 0  | 0°R 5 | n.a. |   |
| M27  | 0 19 37  | 3° 6'41  | 7♌51   | 25° 5 | 12°15 | 9° 3  | 2°12  | 27°46  | 0°40  | 14° 5  | 19°25  | 26°27  | 24°57  | 0°11  | n.a. |   |
| T 28 | 0 23 33  | 4° 6'36  | 20°19  | 26°22 | 13°30 | 9°38  | 2°12  | 27°41  | 0°41  | 14° 3  | 19°26  | 26°21  | 24°54  | 0°18  | n.a. |   |
| W29  | 0 27 30  | 5° 6'33  | 2♌32   | 27°38 | 14°46 | 10°14 | 2°D12 | 27°36  | 0°42  | 14° 1  | 19°28  | 26°15  | 24°51  | 0°25  | n.a. |   |
| T 30 | 0 31 26  | 6♌ 6'32  | 14♌34  | 28♌52 | 16♌ 1 | 10♌49 | 2♌12  | 27°K32 | 0°43  | 14°Y 0 | 19°Ω30 | 26°Ω11 | 24°Ω48 | 0°R31 | n.a. |   |

Delta T = 02h18m03s Julian Calendar 1 Sept. 230 == Greg. Calendar 1 Sept. 230

OCTOBER 230 C.E.JC

00:00 UT

| Day  | Sid.t   | ☉        | ☽     | ♀      | ♂     | ♂     | ♂    | ♂      | ♂     | ♂      | ♂      | ♂      | ♂      | ♂     | ♂    | ♂ |
|------|---------|----------|-------|--------|-------|-------|------|--------|-------|--------|--------|--------|--------|-------|------|---|
| F 1  | 0 35 23 | 7♌ 6'32  | 26♌28 | 0♌ 5   | 17♌16 | 11♌24 | 2♌13 | 27°R27 | 0°R44 | 13°R58 | 19♌31  | 26°R 8 | 24♌44  | 0°R38 | n.a. |   |
| S 2  | 0 39 19 | 8° 6'34  | 8♌18  | 1°16   | 18°31 | 11°59 | 2°13 | 27°K22 | 0°45  | 13°Y56 | 19°33  | 26°D 8 | 24°41  | 0°45  | n.a. |   |
| S 3  | 0 43 16 | 9° 6'38  | 20°11 | 2°24   | 19°46 | 12°34 | 2°14 | 27°18  | 0°46  | 13°55  | 19°34  | 26°Ω 8 | 24°38  | 0°51  | n.a. |   |
| M 4  | 0 47 12 | 10° 6'44 | 2♌10  | 3°31   | 21° 1 | 13°10 | 2°15 | 27°13  | 0°47  | 13°53  | 19°36  | 26°10  | 24°35  | 0°58  | n.a. |   |
| T 5  | 0 51 9  | 11° 6'51 | 14°22 | 4°35   | 22°16 | 13°45 | 2°16 | 27° 8  | 0°48  | 13°51  | 19°37  | 26°11  | 24°32  | 1° 5  | n.a. |   |
| W 6  | 0 55 6  | 12° 7'00 | 26°50 | 5°37   | 23°31 | 14°19 | 2°17 | 27° 4  | 0°50  | 13°50  | 19°39  | 26°R12 | 24°29  | 1°12  | n.a. |   |
| T 7  | 0 59 2  | 13° 7'10 | 9♌38  | 6°36   | 24°47 | 14°54 | 2°19 | 26°59  | 0°51  | 13°48  | 19°40  | 26°11  | 24°25  | 1°18  | n.a. |   |
| F 8  | 1 2 59  | 14° 7'22 | 22°48 | 7°31   | 26° 2 | 15°29 | 2°21 | 26°55  | 0°52  | 13°46  | 19°41  | 26° 8  | 24°22  | 1°25  | n.a. |   |
| S 9  | 1 6 55  | 15° 7'36 | 6°Y21 | 8°22   | 27°17 | 16° 4 | 2°23 | 26°50  | 0°54  | 13°45  | 19°43  | 26° 3  | 24°19  | 1°32  | n.a. |   |
| S 10 | 1 10 52 | 16° 7'52 | 20°14 | 9°10   | 28°32 | 16°39 | 2°25 | 26°46  | 0°55  | 13°43  | 19°44  | 25°55  | 24°16  | 1°38  | n.a. |   |
| M11  | 1 14 48 | 17° 8'10 | 4♌24  | 9°53   | 29°47 | 17°13 | 2°27 | 26°42  | 0°57  | 13°41  | 19°45  | 25°47  | 24°13  | 1°45  | n.a. |   |
| T 12 | 1 18 45 | 18° 8'29 | 18°46 | 10°30  | 1♌ 2  | 17°48 | 2°30 | 26°37  | 0°58  | 13°40  | 19°47  | 25°38  | 24° 9  | 1°52  | n.a. |   |
| W13  | 1 22 41 | 19° 8'51 | 3♌13  | 11° 2  | 2°17  | 18°22 | 2°32 | 26°33  | 1° 0  | 13°38  | 19°48  | 25°30  | 24° 6  | 1°58  | n.a. |   |
| T 14 | 1 26 38 | 20° 9'15 | 17°40 | 11°28  | 3°32  | 18°57 | 2°35 | 26°29  | 1° 1  | 13°36  | 19°49  | 25°24  | 24° 3  | 2° 5  | n.a. |   |
| F 15 | 1 30 34 | 21° 9'40 | 2♄ 1  | 11°46  | 4°47  | 19°31 | 2°38 | 26°25  | 1° 3  | 13°35  | 19°50  | 25°20  | 24° 0  | 2°12  | n.a. |   |
| S 16 | 1 34 31 | 22°10'08 | 16°14 | 11°57  | 6° 3  | 20° 5 | 2°42 | 26°21  | 1° 5  | 13°33  | 19°52  | 25°D19 | 23°57  | 2°19  | n.a. |   |
| S 17 | 1 38 28 | 23°10'38 | 0♌16  | 11°R59 | 7°18  | 20°39 | 2°45 | 26°17  | 1° 7  | 13°31  | 19°53  | 25°19  | 23°54  | 2°25  | n.a. |   |
| M18  | 1 42 24 | 24°11'09 | 14° 7 | 11°52  | 8°33  | 21°13 | 2°49 | 26°13  | 1° 8  | 13°30  | 19°54  | 25°19  | 23°50  | 2°32  | n.a. |   |
| T 19 | 1 46 21 | 25°11'43 | 27°48 | 11°35  | 9°48  | 21°47 | 2°53 | 26° 9  | 1°10  | 13°28  | 19°55  | 25°R20 | 23°47  | 2°39  | n.a. |   |
| W20  | 1 50 17 | 26°12'18 | 11♍18 | 11° 8  | 11° 3 | 22°21 | 2°57 | 26° 5  | 1°12  | 13°26  | 19°56  | 25°19  | 23°44  | 2°45  | n.a. |   |
| T 21 | 1 54 14 | 27°12'55 | 24°38 | 10°31  | 12°18 | 22°55 | 3° 1 | 26° 1  | 1°14  | 13°25  | 19°57  | 25°15  | 23°41  | 2°52  | n.a. |   |
| F 22 | 1 58 10 | 28°13'34 | 7♌47  | 9°44   | 13°33 | 23°29 | 3° 6 | 25°57  | 1°16  | 13°23  | 19°58  | 25° 8  | 23°38  | 2°59  | n.a. |   |
| S 23 | 2 2 7   | 29°14'15 | 20°45 | 8°47   | 14°48 | 24° 3 | 3°10 | 25°54  | 1°18  | 13°21  | 19°59  | 24°59  | 23°35  | 3° 5  | n.a. |   |
| S 24 | 2 6 3   | 0♌14'57  | 3♌30  | 7°41   | 16° 3 | 24°36 | 3°15 | 25°50  | 1°20  | 13°20  | 20° 0  | 24°48  | 23°31  | 3°12  | n.a. |   |
| M25  | 2 10 0  | 1°15'40  | 16° 3 | 6°28   | 17°18 | 25°10 | 3°20 | 25°47  | 1°23  | 13°18  | 20° 1  | 24°35  | 23°28  | 3°19  | n.a. |   |
| T 26 | 2 13 57 | 2°16'25  | 28°24 | 5° 9   | 18°33 | 25°43 | 3°25 | 25°43  | 1°25  | 13°17  | 20° 2  | 24°22  | 23°25  | 3°25  | n.a. |   |
| W27  | 2 17 53 | 3°17'12  | 10♌33 | 3°48   | 19°49 | 26°16 | 3°31 | 25°40  | 1°27  | 13°15  | 20° 3  | 24°11  | 23°22  | 3°32  | n.a. |   |
| T 28 | 2 21 50 | 4°17'59  | 22°32 | 2°26   | 21° 4 | 26°49 | 3°36 | 25°37  | 1°29  | 13°13  | 20° 4  | 24° 1  | 23°19  | 3°39  | n.a. |   |
| F 29 | 2 25 46 | 5°18'48  | 4♌24  | 1° 7   | 22°19 | 27°23 | 3°42 | 25°34  | 1°32  | 13°12  | 20° 5  | 23°54  | 23°15  | 3°46  | n.a. |   |
| S 30 | 2 29 43 | 6°19'38  | 16°12 | 29♌53  | 23°34 | 27°56 | 3°48 | 25°31  | 1°34  | 13°10  | 20° 5  | 23°50  | 23°12  | 3°52  | n.a. |   |
| S 31 | 2 33 39 | 7♌20'29  | 28♌ 2 | 28♌47  | 24♌49 | 28♌29 | 3♌54 | 25°K28 | 1°R36 | 13°Y 9 | 20°Ω 6 | 23°Ω48 | 23°Ω 9 | 3°R59 | n.a. |   |

Delta T = 02h18m02s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 230

NOVEMBER 230 C.E.JC

00:00 UT

| Day | Sid.t   | ☉        | ☽      | ♀      | ♁     | ♂     | ♃    | ♅      | ♁    | ♁      | ♁      | ♁      | ♁     | ♁    | ♁    |
|-----|---------|----------|--------|--------|-------|-------|------|--------|------|--------|--------|--------|-------|------|------|
| M 1 | 2 37 36 | 8♁21'21  | 9♁58   | 27°R49 | 26♁ 4 | 29♁ 1 | 4♁ 0 | 25°R25 | 1♁39 | 13°R 7 | 20♁ 7  | 23♁47  | 23♁ 6 | 4♁ 6 | n.a. |
| T 2 | 2 41 32 | 9°22'14  | 22° 7  | 27♁ 3  | 27°19 | 29°34 | 4° 6 | 25°K22 | 1°41 | 13°Y 6 | 20° 7  | 23°R47 | 23° 3 | 4°12 | n.a. |
| W 3 | 2 45 29 | 10°23'08 | 4X33   | 26°27  | 28°34 | 0♁ 7  | 4°13 | 25°19  | 1°44 | 13° 4  | 20° 8  | 23°47  | 23° 0 | 4°19 | n.a. |
| T 4 | 2 49 26 | 11°24'03 | 17°21  | 26° 4  | 29°49 | 0°39  | 4°20 | 25°17  | 1°46 | 13° 3  | 20° 9  | 23°45  | 22°56 | 4°26 | n.a. |
| F 5 | 2 53 22 | 12°24'59 | 0Y36   | 25°51  | 1♁ 4  | 1°12  | 4°27 | 25°14  | 1°49 | 13° 2  | 20° 9  | 23°40  | 22°53 | 4°32 | n.a. |
| S 6 | 2 57 19 | 13°25'55 | 14°18  | 25°D50 | 2°19  | 1°44  | 4°34 | 25°12  | 1°51 | 13° 0  | 20°10  | 23°33  | 22°50 | 4°39 | n.a. |
| S 7 | 3 1 15  | 14°26'53 | 28°27  | 25°59  | 3°34  | 2°16  | 4°41 | 25°10  | 1°54 | 12°59  | 20°10  | 23°23  | 22°47 | 4°46 | n.a. |
| M 8 | 3 5 12  | 15°27'51 | 12♁59  | 26°17  | 4°49  | 2°48  | 4°48 | 25° 8  | 1°57 | 12°57  | 20°11  | 23°11  | 22°44 | 4°52 | n.a. |
| T 9 | 3 9 8   | 16°28'51 | 27°47  | 26°45  | 6° 4  | 3°20  | 4°56 | 25° 5  | 1°59 | 12°56  | 20°11  | 22°59  | 22°40 | 4°59 | n.a. |
| W10 | 3 13 5  | 17°29'52 | 12II42 | 27°20  | 7°19  | 3°52  | 5° 3 | 25° 3  | 2° 2 | 12°55  | 20°12  | 22°48  | 22°37 | 5° 6 | n.a. |
| T11 | 3 17 1  | 18°30'54 | 27°36  | 28° 2  | 8°34  | 4°24  | 5°11 | 25° 2  | 2° 5 | 12°53  | 20°12  | 22°39  | 22°34 | 5°12 | n.a. |
| F12 | 3 20 58 | 19°31'57 | 12♁19  | 28°50  | 9°49  | 4°55  | 5°19 | 25° 0  | 2° 8 | 12°52  | 20°13  | 22°33  | 22°31 | 5°19 | n.a. |
| S13 | 3 24 55 | 20°33'01 | 26°47  | 29°44  | 11° 4 | 5°27  | 5°27 | 24°58  | 2°11 | 12°51  | 20°13  | 22°29  | 22°28 | 5°26 | n.a. |
| S14 | 3 28 51 | 21°34'06 | 10♁56  | 0♁42   | 12°19 | 5°58  | 5°36 | 24°57  | 2°13 | 12°50  | 20°13  | 22°28  | 22°25 | 5°33 | n.a. |
| M15 | 3 32 48 | 22°35'12 | 24°45  | 1°45   | 13°33 | 6°29  | 5°44 | 24°55  | 2°16 | 12°48  | 20°14  | 22°28  | 22°21 | 5°39 | n.a. |
| T16 | 3 36 44 | 23°36'20 | 8♁17   | 2°51   | 14°48 | 7° 1  | 5°53 | 24°54  | 2°19 | 12°47  | 20°14  | 22°27  | 22°18 | 5°46 | n.a. |
| W17 | 3 40 41 | 24°37'28 | 21°32  | 4° 1   | 16° 3 | 7°32  | 6° 1 | 24°52  | 2°22 | 12°46  | 20°14  | 22°25  | 22°15 | 5°53 | n.a. |
| T18 | 3 44 37 | 25°38'38 | 4♁33   | 5°13   | 17°18 | 8° 2  | 6°10 | 24°51  | 2°25 | 12°45  | 20°14  | 22°21  | 22°12 | 5°59 | n.a. |
| F19 | 3 48 34 | 26°39'48 | 17°22  | 6°27   | 18°33 | 8°33  | 6°19 | 24°50  | 2°28 | 12°44  | 20°14  | 22°13  | 22° 9 | 6° 6 | n.a. |
| S20 | 3 52 30 | 27°40'59 | 29°59  | 7°44   | 19°48 | 9° 4  | 6°28 | 24°49  | 2°31 | 12°43  | 20°14  | 22° 3  | 22° 6 | 6°13 | n.a. |
| S21 | 3 56 27 | 28°42'11 | 12♁27  | 9° 3   | 21° 3 | 9°34  | 6°38 | 24°49  | 2°34 | 12°42  | 20°15  | 21°50  | 22° 2 | 6°19 | n.a. |
| M22 | 4 0 24  | 29°43'23 | 24°46  | 10°23  | 22°18 | 10° 4 | 6°47 | 24°48  | 2°37 | 12°40  | 20°15  | 21°35  | 21°59 | 6°26 | n.a. |
| T23 | 4 4 20  | 0♁44'36  | 6♁56   | 11°44  | 23°32 | 10°35 | 6°56 | 24°47  | 2°41 | 12°39  | 20°R15 | 21°20  | 21°56 | 6°33 | n.a. |
| W24 | 4 8 17  | 1°45'49  | 18°57  | 13° 7  | 24°47 | 11° 5 | 7° 6 | 24°47  | 2°44 | 12°38  | 20°15  | 21° 6  | 21°53 | 6°39 | n.a. |
| T25 | 4 12 13 | 2°47'03  | 0♁52   | 14°31  | 26° 2 | 11°34 | 7°16 | 24°46  | 2°47 | 12°37  | 20°15  | 20°55  | 21°50 | 6°46 | n.a. |
| F26 | 4 16 10 | 3°48'17  | 12°41  | 15°56  | 27°17 | 12° 4 | 7°26 | 24°46  | 2°50 | 12°37  | 20°14  | 20°46  | 21°46 | 6°53 | n.a. |
| S27 | 4 20 6  | 4°49'32  | 24°28  | 17°21  | 28°32 | 12°33 | 7°36 | 24°46  | 2°53 | 12°36  | 20°14  | 20°40  | 21°43 | 6°59 | n.a. |
| S28 | 4 24 3  | 5°50'46  | 6♁17   | 18°47  | 29°46 | 13° 3 | 7°46 | 24°D46 | 2°57 | 12°35  | 20°14  | 20°37  | 21°40 | 7° 6 | n.a. |
| M29 | 4 27 59 | 6°52'00  | 18°11  | 20°14  | 1♁ 1  | 13°32 | 7°56 | 24°46  | 3° 0 | 12°34  | 20°14  | 20°D36 | 21°37 | 7°13 | n.a. |
| T30 | 4 31 56 | 7♁53'15  | 0X16   | 21♁42  | 2♁16  | 14♁ 1 | 8♁ 7 | 24X46  | 3♁ 3 | 12Y33  | 20♁14  | 20♁36  | 21♁34 | 7♁20 | n.a. |

Delta T = 02h18m02s

Julian Calendar 1 Nov. 230 == Greg. Calendar 1 Nov. 230

DECEMBER 230 C.E.JC

00:00 UT

| Day | Sid.t   | ☉        | ☽     | ♀     | ♁     | ♂     | ♃     | ♅     | ♁    | ♁      | ♁      | ♁      | ♁     | ♁     | ♁    |
|-----|---------|----------|-------|-------|-------|-------|-------|-------|------|--------|--------|--------|-------|-------|------|
| W 1 | 4 35 53 | 8♁54'29  | 12X37 | 23♁10 | 3♁31  | 14♁30 | 8♁17  | 24X47 | 3♁ 6 | 12°R32 | 20°R14 | 20°R36 | 21♁31 | 7♁26  | n.a. |
| T 2 | 4 39 49 | 9°55'43  | 25°20 | 24°39 | 4°45  | 14°58 | 8°28  | 24°47 | 3°10 | 12°Y32 | 20♁13  | 20♁35  | 21°27 | 7°33  | n.a. |
| F 3 | 4 43 46 | 10°56'57 | 8Y29  | 26° 8 | 6° 0  | 15°27 | 8°38  | 24°48 | 3°13 | 12°31  | 20°13  | 20°32  | 21°24 | 7°40  | n.a. |
| S 4 | 4 47 42 | 11°58'10 | 22° 8 | 27°38 | 7°15  | 15°55 | 8°49  | 24°48 | 3°16 | 12°30  | 20°13  | 20°26  | 21°21 | 7°46  | n.a. |
| S 5 | 4 51 39 | 12°59'24 | 6♁17  | 29° 8 | 8°29  | 16°23 | 9° 0  | 24°49 | 3°20 | 12°30  | 20°12  | 20°18  | 21°18 | 7°53  | n.a. |
| M 6 | 4 55 35 | 14° 0'37 | 20°54 | 0♁38  | 9°44  | 16°51 | 9°11  | 24°50 | 3°23 | 12°29  | 20°12  | 20° 8  | 21°15 | 8° 0  | n.a. |
| T 7 | 4 59 32 | 15° 1'50 | 5II54 | 2° 9  | 10°58 | 17°19 | 9°22  | 24°51 | 3°27 | 12°28  | 20°11  | 19°58  | 21°12 | 8° 6  | n.a. |
| W 8 | 5 3 28  | 16° 3'04 | 21° 6 | 3°40  | 12°13 | 17°46 | 9°34  | 24°52 | 3°30 | 12°28  | 20°11  | 19°48  | 21° 8 | 8°13  | n.a. |
| T 9 | 5 7 25  | 17° 4'17 | 6♁20  | 5°12  | 13°27 | 18°14 | 9°45  | 24°53 | 3°33 | 12°27  | 20°10  | 19°40  | 21° 5 | 8°20  | n.a. |
| F10 | 5 11 22 | 18° 5'30 | 21°26 | 6°44  | 14°42 | 18°41 | 9°56  | 24°54 | 3°37 | 12°27  | 20°10  | 19°34  | 21° 2 | 8°26  | n.a. |
| S11 | 5 15 18 | 19° 6'43 | 6♁15  | 8°16  | 15°56 | 19° 8 | 10° 8 | 24°56 | 3°40 | 12°26  | 20° 9  | 19°31  | 20°59 | 8°33  | n.a. |
| S12 | 5 19 15 | 20° 7'55 | 20°41 | 9°49  | 17°11 | 19°34 | 10°20 | 24°57 | 3°44 | 12°26  | 20° 9  | 19°D31 | 20°56 | 8°40  | n.a. |
| M13 | 5 23 11 | 21° 9'08 | 4♁42  | 11°22 | 18°25 | 20° 1 | 10°31 | 24°59 | 3°47 | 12°25  | 20° 8  | 19°31  | 20°52 | 8°46  | n.a. |
| T14 | 5 27 8  | 22°10'21 | 18°19 | 12°56 | 19°40 | 20°27 | 10°43 | 25° 1 | 3°51 | 12°25  | 20° 7  | 19°R32 | 20°49 | 8°53  | n.a. |
| W15 | 5 31 4  | 23°11'34 | 1♁32  | 14°30 | 20°54 | 20°53 | 10°55 | 25° 3 | 3°54 | 12°25  | 20° 7  | 19°32  | 20°46 | 9° 0  | n.a. |
| T16 | 5 35 1  | 24°12'46 | 14°27 | 16° 4 | 22° 9 | 21°19 | 11° 7 | 25° 5 | 3°58 | 12°24  | 20° 6  | 19°29  | 20°43 | 9° 6  | n.a. |
| F17 | 5 38 57 | 25°13'59 | 27° 5 | 17°39 | 23°23 | 21°44 | 11°19 | 25° 7 | 4° 1 | 12°24  | 20° 5  | 19°25  | 20°40 | 9°13  | n.a. |
| S18 | 5 42 54 | 26°15'11 | 9♁29  | 19°15 | 24°37 | 22° 9 | 11°31 | 25° 9 | 4° 5 | 12°24  | 20° 5  | 19°18  | 20°37 | 9°20  | n.a. |
| S19 | 5 46 51 | 27°16'23 | 21°43 | 20°51 | 25°51 | 22°34 | 11°43 | 25°11 | 4° 8 | 12°24  | 20° 4  | 19° 9  | 20°33 | 9°26  | n.a. |
| M20 | 5 50 47 | 28°17'35 | 3♁49  | 22°27 | 27° 6 | 22°59 | 11°56 | 25°14 | 4°12 | 12°24  | 20° 3  | 18°59  | 20°30 | 9°33  | n.a. |
| T21 | 5 54 44 | 29°18'46 | 15°48 | 24° 4 | 28°20 | 23°24 | 12° 8 | 25°16 | 4°15 | 12°24  | 20° 2  | 18°48  | 20°27 | 9°40  | n.a. |
| W22 | 5 58 40 | 0♁19'56  | 27°42 | 25°41 | 29°34 | 23°48 | 12°21 | 25°19 | 4°19 | 12°23  | 20° 1  | 18°39  | 20°24 | 9°47  | n.a. |
| T23 | 6 2 37  | 1°21'06  | 9♁33  | 27°19 | 0♁48  | 24°12 | 12°33 | 25°21 | 4°23 | 12°23  | 20° 0  | 18°31  | 20°21 | 9°53  | n.a. |
| F24 | 6 6 33  | 2°22'15  | 21°21 | 28°58 | 2° 2  | 24°35 | 12°46 | 25°24 | 4°26 | 12°D23 | 19°59  | 18°25  | 20°18 | 10° 0 | n.a. |
| S25 | 6 10 30 | 3°23'23  | 3♁10  | 0♁37  | 3°16  | 24°59 | 12°59 | 25°27 | 4°30 | 12°23  | 19°59  | 18°21  | 20°14 | 10° 7 | n.a. |
| S26 | 6 14 26 | 4°24'31  | 15° 1 | 2°16  | 4°30  | 25°22 | 13°11 | 25°30 | 4°33 | 12°23  | 19°58  | 18°D19 | 20°11 | 10°13 | n.a. |
| M27 | 6 18 23 | 5°25'37  | 26°58 | 3°57  | 5°44  | 25°44 | 13°24 | 25°33 | 4°37 | 12°24  | 19°57  | 18°20  | 20° 8 | 10°20 | n.a. |
| T28 | 6 22 20 | 6°26'42  | 9X 4  | 5°37  | 6°58  | 26° 7 | 13°37 | 25°37 | 4°40 | 12°24  | 19°56  | 18°21  | 20° 5 | 10°27 | n.a. |
| W29 | 6 26 16 | 7°27'46  | 21°25 | 7°19  | 8°12  | 26°29 | 13°50 | 25°40 | 4°44 | 12°24  | 19°54  | 18°23  | 20° 2 | 10°33 | n.a. |
| T30 | 6 30 13 | 8°28'49  | 4Y 4  | 9° 1  | 9°26  | 26°51 | 14° 3 | 25°43 | 4°47 | 12°24  | 19°53  | 18°R24 | 19°58 | 10°40 | n.a. |
| F31 | 6 34 9  | 9♁29'51  | 17Y 7 | 10♁43 | 10♁40 | 27♁12 | 14♁16 | 25X47 | 4♁51 | 12Y24  | 19♁52  | 18♁24  | 19♁55 | 10♁47 | n.a. |

Delta T = 02h18m01s

Julian Calendar

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