

SWISS EPHEMERIS for the year 813

JANUARY 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|---------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|----------|---|---|
| S 1 | 6 57 44 | 15°31'59 | 11°13'38 | 24°28'28 | 22°58'58 | 29°33'33 | 15°13'3 | 13°3'7 | 17°27'54 | 6°22'21 | 22°36'36 | 14°R 6 | 12°49'12 | 24°17'17 | 21°R18 | | |
| S 2 | 7 1 40 | 16°13'02 | 23°37'23 | 24°36'24 | 24°11'24 | 0°20'0 | 15°13'13 | 13°14'13 | 17°57'17 | 6°22'22 | 22°38'38 | 14°R 6 | 12°46'12 | 24°23'23 | 21°R15 | | |
| M 3 | 7 5 37 | 17°14'06 | 5°27'48 | 24°50'24 | 25°23'25 | 1°7'7 | 15°24'15 | 13°21'13 | 18°0'18 | 6°23'23 | 22°39'39 | 14°3'14 | 12°43'12 | 24°30'30 | 21°12'12 | | |
| T 4 | 7 9 33 | 18°15'08 | 18°15'18 | 25°11'25 | 26°35'26 | 1°55'1 | 15°35'15 | 13°28'13 | 18°4'18 | 6°24'24 | 22°40'40 | 13°58'58 | 12°40'12 | 24°37'37 | 21°8'8 | | |
| W 5 | 7 13 30 | 19°16'10 | 1°3'0 | 25°38'25 | 27°48'27 | 2°42'2 | 15°46'15 | 13°35'13 | 18°7'18 | 6°25'25 | 22°42'42 | 13°51'51 | 12°37'12 | 24°43'43 | 21°5'5 | | |
| T 6 | 7 17 26 | 20°17'11 | 14°5'14 | 26°11'26 | 29°0'29 | 3°30'3 | 15°57'15 | 13°42'13 | 18°10'18 | 6°26'26 | 22°43'43 | 13°41'41 | 12°34'12 | 24°50'50 | 21°1'1 | | |
| F 7 | 7 21 23 | 21°18'11 | 27°27'27 | 26°49'26 | 0°12'12 | 4°17'4 | 16°8'16 | 13°50'13 | 18°13'18 | 6°27'27 | 22°45'45 | 13°29'29 | 12°30'12 | 24°57'57 | 20°58'58 | | |
| S 8 | 7 25 20 | 22°19'09 | 11°6'6 | 27°32'27 | 1°24'1 | 5°5'5 | 16°19'16 | 13°57'13 | 18°16'18 | 6°28'28 | 22°46'46 | 13°17'17 | 12°27'12 | 25°3'25 | 20°54'54 | | |
| S 9 | 7 29 16 | 23°20'07 | 24°57'24 | 28°19'28 | 2°35'2 | 5°52'5 | 16°30'16 | 14°4'14 | 18°20'18 | 6°29'29 | 22°47'47 | 13°6'13 | 12°24'12 | 25°10'10 | 20°50'50 | | |
| M10 | 7 33 13 | 24°21'03 | 8°56'8 | 29°9'29 | 3°47'3 | 6°40'6 | 16°42'16 | 14°11'14 | 18°23'18 | 6°30'30 | 22°49'49 | 12°56'12 | 12°21'12 | 25°16'16 | 20°47'47 | | |
| T 11 | 7 37 9 | 25°21'58 | 23°1'23 | 0°3'3 | 4°59'4 | 7°27'7 | 16°53'16 | 14°18'14 | 18°26'18 | 6°30'30 | 22°50'50 | 12°50'12 | 12°18'12 | 25°23'23 | 20°43'43 | | |
| W12 | 7 41 6 | 26°22'51 | 7°7'7 | 1°1'1 | 6°10'6 | 8°14'8 | 17°5'17 | 14°25'14 | 18°29'18 | 6°31'31 | 22°52'52 | 12°46'12 | 12°15'12 | 25°30'30 | 20°39'39 | | |
| T 13 | 7 45 2 | 27°23'43 | 21°13'21 | 2°1'2 | 7°22'7 | 9°2'9 | 17°17'17 | 14°32'14 | 18°32'18 | 6°32'32 | 22°53'53 | 12°45'12 | 12°11'12 | 25°36'36 | 20°35'35 | | |
| F 14 | 7 48 59 | 28°24'33 | 5°18'5 | 3°4'3 | 8°33'8 | 9°49'9 | 17°29'17 | 14°39'14 | 18°35'18 | 6°32'32 | 22°55'55 | 12°45'12 | 12°8'12 | 25°43'43 | 20°31'31 | | |
| S 15 | 7 52 55 | 29°25'22 | 19°21'19 | 4°9'4 | 9°44'9 | 10°37'10 | 17°40'17 | 14°46'14 | 18°38'18 | 6°33'33 | 22°56'56 | 12°45'12 | 12°5'12 | 25°50'50 | 20°26'26 | | |
| S 16 | 7 56 52 | 0°26'09 | 3°11'21 | 5°16'5 | 10°55'10 | 11°24'11 | 17°52'17 | 14°53'14 | 18°41'18 | 6°34'34 | 22°58'58 | 12°44'12 | 12°2'12 | 25°56'56 | 20°22'22 | | |
| M17 | 8 0 49 | 1°26'55 | 17°18'17 | 6°26'6 | 12°6'12 | 12°12'12 | 18°4'18 | 15°0'15 | 18°44'18 | 6°34'34 | 22°59'59 | 12°40'12 | 11°59'11 | 26°3'26 | 20°18'18 | | |
| T 18 | 8 4 45 | 2°27'39 | 1°9'1 | 7°37'7 | 13°17'13 | 12°59'12 | 18°17'18 | 15°7'15 | 18°46'18 | 6°35'35 | 23°1'1 | 12°33'12 | 11°55'11 | 26°10'10 | 20°14'14 | | |
| W19 | 8 8 42 | 3°28'21 | 14°51'14 | 8°51'8 | 14°28'14 | 13°46'13 | 18°29'18 | 15°14'15 | 18°49'18 | 6°35'35 | 23°3'3 | 12°23'12 | 11°52'11 | 26°16'16 | 20°9'9 | | |
| T 20 | 8 12 38 | 4°29'02 | 28°22'28 | 10°5'10 | 15°39'15 | 14°34'14 | 18°41'18 | 15°20'15 | 18°52'18 | 6°36'36 | 23°4'4 | 12°11'12 | 11°49'11 | 26°23'23 | 20°5'5 | | |
| F 21 | 8 16 35 | 5°29'42 | 11°19'11 | 11°22'11 | 16°49'16 | 15°21'15 | 18°54'18 | 15°27'15 | 18°55'18 | 6°36'36 | 23°6'6 | 11°58'11 | 11°46'11 | 26°30'30 | 20°1'1 | | |
| S 22 | 8 20 31 | 6°30'20 | 24°39'24 | 12°40'12 | 17°59'17 | 16°8'16 | 19°6'19 | 15°34'15 | 18°58'18 | 6°37'37 | 23°7'7 | 11°44'11 | 11°43'11 | 26°36'36 | 19°56'56 | | |
| S 23 | 8 24 28 | 7°30'56 | 7°11'21 | 13°59'13 | 19°10'19 | 16°56'16 | 19°18'19 | 15°41'15 | 19°0'19 | 6°37'37 | 23°9'9 | 11°32'11 | 11°40'11 | 26°43'43 | 19°52'52 | | |
| M24 | 8 28 24 | 8°31'31 | 19°47'19 | 15°20'15 | 20°20'20 | 17°43'17 | 19°31'19 | 15°48'15 | 19°3'19 | 6°37'37 | 23°10'10 | 11°22'11 | 11°36'11 | 26°50'50 | 19°47'47 | | |
| T 25 | 8 32 21 | 9°32'05 | 1°57'1 | 16°42'16 | 21°30'21 | 18°30'18 | 19°44'19 | 15°54'15 | 19°6'19 | 6°38'38 | 23°12'12 | 11°15'11 | 11°33'11 | 26°56'56 | 19°43'43 | | |
| W26 | 8 36 18 | 10°32'37 | 13°55'13 | 18°5'18 | 22°40'22 | 19°18'19 | 19°57'19 | 16°1'16 | 19°8'19 | 6°38'38 | 23°14'14 | 11°11'11 | 11°30'11 | 27°3'27 | 19°38'38 | | |
| T 27 | 8 40 14 | 11°33'08 | 25°46'25 | 19°30'19 | 23°49'23 | 20°5'20 | 20°9'20 | 16°8'16 | 19°11'19 | 6°38'38 | 23°15'15 | 11°9'11 | 11°27'11 | 27°10'10 | 19°33'33 | | |
| F 28 | 8 44 11 | 12°33'37 | 7°11'33 | 20°55'20 | 24°59'24 | 20°52'20 | 20°22'20 | 16°14'16 | 19°13'19 | 6°38'38 | 23°17'17 | 11°8'11 | 11°24'11 | 27°16'16 | 19°29'29 | | |
| S 29 | 8 48 7 | 13°34'05 | 19°24'19 | 22°22'22 | 26°8'26 | 21°39'21 | 20°35'20 | 16°21'16 | 19°16'19 | 6°39'39 | 23°19'19 | 11°8'11 | 11°21'11 | 27°23'23 | 19°24'24 | | |
| S 30 | 8 52 4 | 14°34'32 | 1°22'1 | 23°50'23 | 27°17'27 | 22°27'22 | 20°48'20 | 16°28'16 | 19°18'19 | 6°39'39 | 23°20'20 | 11°7'11 | 11°17'11 | 27°29'29 | 19°19'19 | | |
| M31 | 8 56 0 | 15°34'58 | 13°35'13 | 25°19'25 | 28°26'28 | 23°14'23 | 21°1'21 | 16°34'16 | 19°21'19 | 6°39'39 | 23°22'22 | 11°5'11 | 11°14'11 | 27°36'36 | 19°15'15 | | |

Delta T = 47m44s

Julian Calendar 1 Jan. 813 == Greg. Calendar 5 Jan. 813

FEBRUARY 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ |
|------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|----------|----------|----------|---|---|
| T 1 | 8 59 57 | 16°35'21 | 26°7'6 | 26°48'26 | 29°35'29 | 24°1'24 | 21°14'21 | 16°34'16 | 19°23'19 | 6°39'39 | 23°23'23 | 11°R 0 | 11°R11 | 27°43'27 | 19°R10 | | |
| W 2 | 9 3 53 | 17°35'44 | 8°58'8 | 28°19'28 | 0°44'0 | 24°48'24 | 21°28'21 | 16°47'16 | 19°25'19 | 6°39'39 | 23°25'25 | 10°R52 | 11°8'11 | 27°49'27 | 19°R5 | | |
| T 3 | 9 7 50 | 18°36'05 | 22°15'22 | 29°51'29 | 1°53'1 | 25°35'25 | 21°41'21 | 16°54'16 | 19°28'19 | 6°39'39 | 23°27'27 | 10°42'10 | 11°5'11 | 27°56'27 | 19°1'1 | | |
| F 4 | 9 11 47 | 19°36'24 | 5°55'5 | 1°24'1 | 3°1'3 | 26°22'26 | 21°54'21 | 17°0'17 | 19°30'19 | 6°39'39 | 23°28'28 | 10°30'10 | 11°1'11 | 28°3'28 | 18°56'56 | | |
| S 5 | 9 15 43 | 20°36'41 | 19°56'19 | 2°58'2 | 4°9'4 | 27°10'27 | 22°8'22 | 17°6'17 | 19°32'19 | 6°39'39 | 23°30'30 | 10°17'10 | 10°58'10 | 28°9'28 | 18°51'51 | | |
| S 6 | 9 19 40 | 21°36'57 | 4°13'4 | 4°34'4 | 5°17'5 | 27°57'27 | 22°21'22 | 17°13'17 | 19°34'19 | 6°39'39 | 23°32'32 | 10°5'10 | 10°55'10 | 28°16'28 | 18°46'46 | | |
| M 7 | 9 23 36 | 22°37'10 | 18°41'18 | 6°10'6 | 6°25'6 | 28°44'28 | 22°35'22 | 17°19'17 | 19°36'19 | 6°39'39 | 23°33'33 | 9°56'9 | 10°52'10 | 28°23'28 | 18°42'42 | | |
| T 8 | 9 27 33 | 23°37'22 | 3°11'3 | 7°47'7 | 7°33'7 | 29°31'29 | 22°48'22 | 17°25'17 | 19°38'19 | 6°38'38 | 23°35'35 | 9°49'9 | 10°49'10 | 28°29'28 | 18°37'37 | | |
| W 9 | 9 31 29 | 24°37'31 | 17°40'17 | 9°25'9 | 8°40'8 | 0°18'0 | 23°2'23 | 17°31'17 | 19°40'19 | 6°38'38 | 23°36'36 | 9°45'9 | 10°46'10 | 28°36'28 | 18°32'32 | | |
| T 10 | 9 35 26 | 25°37'38 | 2°1'1 | 11°4'11 | 9°47'9 | 1°5'1 | 23°15'23 | 17°38'17 | 19°42'19 | 6°38'38 | 23°38'38 | 9°43'9 | 10°42'10 | 28°43'28 | 18°28'28 | | |
| F 11 | 9 39 22 | 26°37'44 | 16°13'16 | 12°45'12 | 10°54'10 | 1°52'1 | 23°29'23 | 17°44'17 | 19°44'19 | 6°38'38 | 23°40'40 | 9°D43 | 10°39'10 | 28°49'28 | 18°23'23 | | |
| S 12 | 9 43 19 | 27°37'46 | 0°11'14 | 14°26'14 | 12°1'12 | 2°39'2 | 23°43'23 | 17°50'17 | 19°46'19 | 6°37'37 | 23°41'41 | 9°R43 | 10°36'10 | 28°56'28 | 18°18'18 | | |
| S 13 | 9 47 16 | 28°37'47 | 14°4'14 | 16°9'16 | 13°8'13 | 3°26'3 | 23°57'23 | 17°56'17 | 19°48'19 | 6°37'37 | 23°43'43 | 9°42'9 | 10°33'10 | 29°3'29 | 18°14'14 | | |
| M14 | 9 51 12 | 29°37'46 | 27°43'27 | 17°52'17 | 14°14'14 | 4°12'4 | 24°10'24 | 18°2'18 | 19°50'19 | 6°37'37 | 23°45'45 | 9°39'9 | 10°30'10 | 29°9'29 | 18°9'9 | | |
| T 15 | 9 55 9 | 0°37'42 | 11°11'11 | 19°37'19 | 15°20'15 | 4°59'4 | 24°24'24 | 18°7'18 | 19°52'19 | 6°36'36 | 23°46'46 | 9°33'9 | 10°27'10 | 29°16'29 | 18°5'5 | | |
| W16 | 9 59 5 | 1°37'36 | 24°30'24 | 21°23'21 | 16°26'16 | 5°46'5 | 24°38'24 | 18°13'18 | 19°53'19 | 6°36'36 | 23°48'48 | 9°25'9 | 10°23'10 | 29°23'29 | 18°0'0 | | |
| T 17 | 10 3 2 | 2°37'28 | 7°13'36 | 23°10'23 | 17°32'17 | 6°33'6 | 24°52'24 | 18°19'18 | 19°55'19 | 6°35'35 | 23°50'50 | 9°14'9 | 10°20'10 | 29°29'29 | 17°56'56 | | |
| F 18 | 10 6 58 | 3°37'17 | 20°30'20 | 24°58'24 | 18°37'18 | 7°20'7 | 25°6'25 | 18°25'18 | 19°57'19 | 6°35'35 | 23°51'51 | 9°3'9 | 10°17'10 | 29°36'29 | 17°51'51 | | |
| S 19 | 10 10 55 | 4°37'05 | 3°11'12 | 26°47'26 | 19°42'19 | 8°6'8 | 25°20'25 | 18°30'18 | 19°58'19 | 6°34'34 | 23°53'53 | 8°51'8 | 10°14'10 | 29°42'29 | 17°47'47 | | |
| S 20 | 10 14 51 | 5°36'50 | 15°40'15 | 28°38'28 | 20°47'20 | 8°53'8 | 25°34'25 | 18°36'18 | 20°0'20 | 6°34'34 | 23°54'54 | 8°40'8 | 10°11'10 | 29°49'29 | 17°42'42 | | |
| M21 | 10 18 48 | 6°36'34 | 27°56'27 | 0°19'0 | 21°51'21 | 9°40'9 | 25°48'25 | 18°42'18 | 20°1'20 | 6°33'33 | 23°56'56 | 8°31'8 | 10°7'10 | 29°56'29 | 17°38'38 | | |
| T 22 | 10 22 45 | 7°36'15 | 10°1'10 | 2°22'2 | 22°55'22 | 10°26'10 | 26°2'26 | 18°47'18 | 20°3'20 | 6°33'33 | 23°58'58 | 8°24'8 | 10°4'10 | 0°11'0 | 17°34'34 | | |
| W23 | 10 26 41 | 8°35'55 | 21°56'21 | 4°16'4 | 23°59'23 | 11°13'11 | 26°16'26 | 18°53'18 | 20°4'20 | 6°32'32 | 23°59'59 | 8°21'8 | 10°1'10 | 0°9'0 | 17°30'30 | | |
| T 24 | 10 30 38 | 9°35'32 | 3°11'3 | 6°11'6 | 25°3'25 | 11°59'11 | 26°30'26 | 18°58'18 | 20°5'20 | 6°31'31 | 24°1'1 | 8°D19 | 9°58'9 | 0°16'0 | 17°25'25 | | |
| F 25 | 10 34 34 | 10°35'08 | 15°32'15 | 8°8'8 | 26°6'26 | 12°46'12 | 26°45'26 | 19°3'19 | 20°7'20 | 6°30'30 | 24°2'2 | 8°19'8 | 9°55'9 | 0°22'0 | 17°21'21 | | |
| S 26 | 10 38 31 | 11°34'42 | 27°22'27 | 10°5'10 | 27°9'27 | 13°32'13 | 2 | | | | | | | | | | |

SWISS EPHEMERIS for the year 813

MARCH 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|------|-------|--------|---|---|---|---|---|---|---|---|
| T 1 | 10 50 20 | 14°33'14 | 4°0 | 16°3 | 0°16 | 15°51 | 27°41 | 19°24 | 20°11 | 6°R27 | 24°9 | 8°R18 | 9°42 | 0°M49 | 17°R 5 | | | | | | | | |
| W 2 | 10 54 17 | 15°32'40 | 16°52 | 18° 4 | 1°18 | 16°38 | 27°56 | 19°29 | 20°12 | 6°M27 | 24°10 | 8°R14 | 9°39 | 0°56 | 17°R 1 | | | | | | | | |
| T 3 | 10 58 14 | 16°32'05 | 0°11 | 20° 5 | 2°19 | 17°24 | 28°10 | 19°34 | 20°13 | 6°26 | 24°12 | 8° 8 | 9°36 | 1° 2 | 16°58 | | | | | | | | |
| F 4 | 11 2 10 | 17°31'29 | 13°57 | 22° 7 | 3°20 | 18°10 | 28°24 | 19°39 | 20°14 | 6°25 | 24°13 | 8° 1 | 9°32 | 1° 9 | 16°54 | | | | | | | | |
| S 5 | 11 6 7 | 18°30'50 | 28° 8 | 24° 9 | 4°21 | 18°57 | 28°39 | 19°43 | 20°15 | 6°24 | 24°15 | 7°52 | 9°29 | 1°16 | 16°50 | | | | | | | | |
| S 6 | 11 10 3 | 19°30'09 | 12°41 | 26°12 | 5°21 | 19°43 | 28°53 | 19°48 | 20°16 | 6°23 | 24°16 | 7°45 | 9°26 | 1°22 | 16°47 | | | | | | | | |
| M 7 | 11 14 0 | 20°29'26 | 27°29 | 28°14 | 6°20 | 20°29 | 29° 8 | 19°53 | 20°16 | 6°22 | 24°18 | 7°38 | 9°23 | 1°29 | 16°43 | | | | | | | | |
| T 8 | 11 17 56 | 21°28'40 | 12°24 | 0°15 | 7°20 | 21°15 | 29°22 | 19°57 | 20°17 | 6°21 | 24°19 | 7°34 | 9°20 | 1°35 | 16°40 | | | | | | | | |
| W 9 | 11 21 53 | 22°27'53 | 27°16 | 2°16 | 8°18 | 22° 1 | 29°36 | 20° 2 | 20°18 | 6°20 | 24°21 | 7°31 | 9°17 | 1°42 | 16°37 | | | | | | | | |
| T 10 | 11 25 49 | 23°27'03 | 12°0 | 4°15 | 9°17 | 22°47 | 29°51 | 20° 6 | 20°18 | 6°19 | 24°22 | 7°D31 | 9°13 | 1°49 | 16°33 | | | | | | | | |
| F 11 | 11 29 46 | 24°26'11 | 26°30 | 6°13 | 10°15 | 23°33 | 0°15 | 20°11 | 20°19 | 6°18 | 24°24 | 7°32 | 9°10 | 1°55 | 16°30 | | | | | | | | |
| S 12 | 11 33 43 | 25°25'17 | 10°42 | 8° 9 | 11°12 | 24°19 | 0°20 | 20°15 | 20°20 | 6°17 | 24°25 | 7°33 | 9° 7 | 2° 2 | 16°27 | | | | | | | | |
| S 13 | 11 37 39 | 26°24'21 | 24°36 | 10° 3 | 12° 9 | 25° 5 | 0°34 | 20°19 | 20°20 | 6°15 | 24°27 | 7°R34 | 9° 4 | 2° 9 | 16°24 | | | | | | | | |
| M14 | 11 41 36 | 27°23'22 | 8°11 | 11°54 | 13° 5 | 25°51 | 0°48 | 20°23 | 20°20 | 6°14 | 24°28 | 7°33 | 9° 1 | 2°15 | 16°21 | | | | | | | | |
| T 15 | 11 45 32 | 28°22'20 | 21°28 | 13°42 | 14° 1 | 26°36 | 1° 3 | 20°27 | 20°21 | 6°13 | 24°29 | 7°31 | 8°58 | 2°22 | 16°19 | | | | | | | | |
| W16 | 11 49 29 | 29°21'16 | 4°13 | 15°27 | 14°56 | 27°22 | 1°17 | 20°31 | 20°21 | 6°12 | 24°31 | 7°27 | 8°54 | 2°29 | 16°16 | | | | | | | | |
| T 17 | 11 53 25 | 0°15'20 | 17°18 | 17° 8 | 15°51 | 28° 8 | 1°32 | 20°35 | 20°21 | 6°11 | 24°32 | 7°22 | 8°51 | 2°35 | 16°13 | | | | | | | | |
| F 18 | 11 57 22 | 1°19'02 | 29°53 | 18°44 | 16°45 | 28°54 | 1°46 | 20°39 | 20°21 | 6° 9 | 24°34 | 7°15 | 8°48 | 2°42 | 16°11 | | | | | | | | |
| S 19 | 12 1 18 | 2°17'51 | 12°16 | 20°17 | 17°38 | 29°39 | 2° 1 | 20°43 | 20°22 | 6° 8 | 24°35 | 7° 9 | 8°45 | 2°49 | 16° 8 | | | | | | | | |
| S 20 | 12 5 15 | 3°16'38 | 24°29 | 21°44 | 18°31 | 0°15 | 2°15 | 20°46 | 20°22 | 6° 7 | 24°36 | 7° 3 | 8°42 | 2°55 | 16° 6 | | | | | | | | |
| M21 | 12 9 12 | 4°15'23 | 6°33 | 23° 7 | 19°23 | 1°10 | 2°30 | 20°50 | 20°R22 | 6° 6 | 24°38 | 6°59 | 8°38 | 3° 2 | 16° 4 | | | | | | | | |
| T 22 | 12 13 8 | 5°14'06 | 18°30 | 24°25 | 20°14 | 1°56 | 2°44 | 20°53 | 20°22 | 6° 4 | 24°39 | 6°56 | 8°35 | 3° 8 | 16° 2 | | | | | | | | |
| W23 | 12 17 5 | 6°12'47 | 0°12 | 25°38 | 21° 5 | 2°41 | 2°58 | 20°57 | 20°22 | 6° 3 | 24°40 | 6°54 | 8°32 | 3°15 | 16° 0 | | | | | | | | |
| T 24 | 12 21 1 | 7°11'26 | 12° 8 | 26°45 | 21°55 | 3°26 | 3°13 | 21° 0 | 20°22 | 6° 1 | 24°41 | 6°D54 | 8°29 | 3°22 | 15°58 | | | | | | | | |
| F 25 | 12 24 58 | 8°10'04 | 23°55 | 27°47 | 22°44 | 4°12 | 3°27 | 21° 3 | 20°21 | 6° 0 | 24°43 | 6°55 | 8°26 | 3°28 | 15°56 | | | | | | | | |
| S 26 | 12 28 54 | 9° 8'39 | 5°46 | 28°43 | 23°32 | 4°57 | 3°42 | 21° 6 | 20°21 | 5°59 | 24°44 | 6°57 | 8°23 | 3°35 | 15°54 | | | | | | | | |
| S 27 | 12 32 51 | 10° 7'13 | 17°45 | 29°33 | 24°20 | 5°42 | 3°56 | 21° 9 | 20°21 | 5°57 | 24°45 | 6°58 | 8°19 | 3°42 | 15°52 | | | | | | | | |
| M28 | 12 36 47 | 11° 5'45 | 29°56 | 0°17 | 25° 7 | 6°27 | 4°10 | 21°12 | 20°21 | 5°56 | 24°46 | 7° 0 | 8°16 | 3°48 | 15°51 | | | | | | | | |
| T 29 | 12 40 44 | 12° 4'16 | 12°23 | 0°56 | 25°52 | 7°13 | 4°25 | 21°15 | 20°20 | 5°54 | 24°48 | 7°R 0 | 8°13 | 3°55 | 15°50 | | | | | | | | |
| W30 | 12 44 41 | 13° 2'45 | 25°12 | 1°29 | 26°37 | 7°58 | 4°39 | 21°18 | 20°20 | 5°53 | 24°49 | 7° 0 | 8°10 | 4° 2 | 15°48 | | | | | | | | |
| T 31 | 12 48 37 | 14°1'12 | 8°26 | 1°55 | 27°21 | 8°43 | 4°53 | 21°21 | 20°R19 | 5°M52 | 24°50 | 6°58 | 8° 7 | 4°M 8 | 15°47 | | | | | | | | |

Delta T = 47m43s Julian Calendar 1 March 813 == Greg. Calendar 5 March 813

APRIL 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|---|---|---|---|---|---|---|---|
| F 1 | 12 52 34 | 14°59'37 | 22°7 | 2°16 | 28°4 | 9°28 | 5°8 | 21°23 | 20°R19 | 5°R50 | 24°51 | 6°R56 | 8° 4 | 4°M15 | 15°R46 | | | | | | | | |
| S 2 | 12 56 30 | 15°58'01 | 6°16 | 2°31 | 28°46 | 10°13 | 5°22 | 21°26 | 20°R18 | 5°M49 | 24°52 | 6°R53 | 8° 0 | 4°22 | 15°R45 | | | | | | | | |
| S 3 | 13 0 27 | 16°56'23 | 20°50 | 2°40 | 29°27 | 10°58 | 5°36 | 21°28 | 20°18 | 5°47 | 24°53 | 6°50 | 7°57 | 4°28 | 15°44 | | | | | | | | |
| M 4 | 13 4 23 | 17°54'43 | 5°43 | 2°R43 | 0°11 | 11°42 | 5°51 | 21°31 | 20°17 | 5°45 | 24°54 | 6°48 | 7°54 | 4°35 | 15°43 | | | | | | | | |
| T 5 | 13 8 20 | 18°53'01 | 20°49 | 2°41 | 0°45 | 12°27 | 6° 5 | 21°33 | 20°16 | 5°44 | 24°56 | 6°46 | 7°51 | 4°42 | 15°43 | | | | | | | | |
| W 6 | 13 12 16 | 19°51'18 | 5°58 | 2°34 | 1°22 | 13°12 | 6°19 | 21°35 | 20°16 | 5°42 | 24°57 | 6°D46 | 7°48 | 4°48 | 15°42 | | | | | | | | |
| T 7 | 13 16 13 | 20°49'33 | 21° 1 | 2°21 | 1°58 | 13°57 | 6°33 | 21°37 | 20°15 | 5°41 | 24°58 | 6°46 | 7°44 | 4°55 | 15°42 | | | | | | | | |
| F 8 | 13 20 9 | 21°47'46 | 5°50 | 2° 4 | 2°33 | 14°41 | 6°48 | 21°39 | 20°14 | 5°39 | 24°59 | 6°47 | 7°41 | 5° 1 | 15°41 | | | | | | | | |
| S 9 | 13 24 6 | 22°45'57 | 20°19 | 1°42 | 3° 6 | 15°26 | 7° 2 | 21°41 | 20°13 | 5°38 | 25° 0 | 6°48 | 7°38 | 5° 8 | 15°41 | | | | | | | | |
| S 10 | 13 28 3 | 23°44'05 | 4°24 | 1°16 | 3°38 | 16°10 | 7°16 | 21°43 | 20°12 | 5°36 | 25° 1 | 6°49 | 7°35 | 5°15 | 15°D41 | | | | | | | | |
| M11 | 13 31 59 | 24°42'12 | 18° 5 | 0°47 | 4° 9 | 16°55 | 7°30 | 21°44 | 20°11 | 5°35 | 25° 2 | 6°50 | 7°32 | 5°21 | 15°41 | | | | | | | | |
| T 12 | 13 35 56 | 25°40'17 | 1°23 | 0°15 | 4°38 | 17°39 | 7°44 | 21°46 | 20°10 | 5°33 | 25° 3 | 6°R50 | 7°29 | 5°28 | 15°41 | | | | | | | | |
| W13 | 13 39 52 | 26°38'20 | 14°20 | 29°41 | 5° 6 | 18°24 | 7°58 | 21°47 | 20° 9 | 5°31 | 25° 3 | 6°49 | 7°25 | 5°35 | 15°41 | | | | | | | | |
| T 14 | 13 43 49 | 27°36'20 | 26°58 | 29° 5 | 5°31 | 19° 8 | 8°12 | 21°49 | 20° 8 | 5°30 | 25° 4 | 6°48 | 7°22 | 5°41 | 15°42 | | | | | | | | |
| F 15 | 13 47 45 | 28°34'19 | 9°20 | 28°28 | 5°56 | 19°52 | 8°26 | 21°50 | 20° 7 | 5°28 | 25° 5 | 6°47 | 7°19 | 5°48 | 15°42 | | | | | | | | |
| S 16 | 13 51 42 | 29°32'16 | 21°31 | 27°50 | 6°18 | 20°37 | 8°40 | 21°51 | 20° 5 | 5°27 | 25° 6 | 6°46 | 7°16 | 5°55 | 15°43 | | | | | | | | |
| S 17 | 13 55 38 | 0°30'11 | 3°32 | 27°13 | 6°39 | 21°21 | 8°54 | 21°52 | 20° 4 | 5°25 | 25° 7 | 6°45 | 7°13 | 6° 1 | 15°43 | | | | | | | | |
| M18 | 13 59 35 | 1°28'04 | 15°26 | 26°37 | 6°57 | 22° 5 | 9° 8 | 21°53 | 20° 3 | 5°23 | 25° 8 | 6°45 | 7° 9 | 6° 8 | 15°44 | | | | | | | | |
| T 19 | 14 3 32 | 2°25'56 | 27°16 | 26° 3 | 7°14 | 22°49 | 9°22 | 21°54 | 20° 2 | 5°22 | 25° 9 | 6°44 | 7° 6 | 6°15 | 15°45 | | | | | | | | |
| W20 | 14 7 28 | 3°23'46 | 9°M 4 | 25°31 | 7°29 | 23°33 | 9°35 | 21°55 | 20° 0 | 5°20 | 25° 9 | 6°D44 | 7° 3 | 6°21 | 15°46 | | | | | | | | |
| T 21 | 14 11 25 | 4°21'34 | 20°52 | 25° 1 | 7°42 | 24°17 | 9°49 | 21°56 | 19°59 | 5°18 | 25°10 | 6°44 | 7° 0 | 6°28 | 15°47 | | | | | | | | |
| F 22 | 14 15 21 | 5°19'22 | 2°43 | 24°35 | 7°52 | 25° 1 | 10° 3 | 21°57 | 19°57 | 5°17 | 25°11 | 6°45 | 6°57 | 6°34 | 15°48 | | | | | | | | |
| S 23 | 14 19 18 | 6°17'07 | 14°39 | 24°12 | 8° 1 | 25°45 | 10°16 | 21°57 | 19°56 | 5°15 | 25°11 | 6°R45 | 6°54 | 6°41 | 15°50 | | | | | | | | |
| S 24 | 14 23 14 | 7°14'52 | 26°42 | 23°53 | 8° 7 | 26°28 | 10°30 | 21°57 | 19°54 | 5°14 | 25°12 | 6°45 | 6°50 | 6°48 | 15°51 | | | | | | | | |
| M25 | 14 27 11 | 8°12'35 | 8°58 | 23°37 | 8°11 | 27°12 | 10°44 | 21°58 | 19°53 | 5°12 | 25°13 | 6°45 | 6°47 | 6°54 | 15°53 | | | | | | | | |
| T 26 | 14 31 7 | 9°10'18 | 21°27 | 23°27 | 8°R13 | 27°56 | 10°57 | 21°58 | 19°51 | 5°10 | 25°13 | 6°44 | 6°44 | 7° 1 | 15°54 | | | | | | | | |
| W27 | 14 35 4 | 10° 7'59 | 4°15 | 23°20 | 8°12 | 28°39 | 11°11 | 21°58 | 19°49 | 5° 9 | 25°14 | 6°D44 | 6°41 | 7° 8 | 15°56 | | | | | | | | |
| T 28 | 14 39 1 | 11° 5'38 | 17°24 | 23°D18 | 8° 9 | 29°23 | 11°24 | 21°R58 | 19°48 | 5° 7 | 25°15 | 6°44 | 6°38 | 7°14 | 15°58 | | | | | | | | |
| F 29 | 14 42 57 | 12° 3'17 | 0°58 | 23°21 | 8° 4 | 0° 6 | 11°38 | 21°58 | 19°46 | 5° 5 | 25°15 | 6°45 | 6°35 | 7°21 | 16° 0 | | | | | | | | |
| S 30 | 14 46 54 | 13° 0'55 | 14°56 | 23°Y28 | 7°M56 | 0°50 | 11°51 | 21°58 | 19°44 | 5°M 4 | 25°16 | 6°R45 | 6°R31 | 7°M28 | 16°R 2 | | | | | | | | |

Delta T = 47m42s Julian Calendar created from Swiss Ephemeris, Copyright Astrodiest AG [10.1.2003]

SWISS EPHEMERIS for the year 813

MAY 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|------|-------|-------|---|---|---|---|---|---|---|---|
| S 1 | 14 50 50 | 13♁58'32 | 29♋19 | 23♃40 | 7♁R46 | 1♁33 | 12♃4 | 21♁R58 | 19♁R42 | 5♁R 2 | 25♁16 | 6♁46 | 6♁28 | 7♁34 | 16♁ 4 | | | | | | | | |
| M 2 | 14 54 47 | 14°56'07 | 14♃4 | 23°56 | 7♁33 | 2°17 | 12°17 | 21♁57 | 19♁41 | 5♁ 1 | 25°17 | 6°46 | 6°25 | 7°41 | 16° 7 | | | | | | | | |
| T 3 | 14 58 43 | 15°53'42 | 29° 5 | 24°16 | 7°18 | 3° 0 | 12°31 | 21°57 | 19°39 | 4°59 | 25°17 | 6°47 | 6°22 | 7°48 | 16° 9 | | | | | | | | |
| W 4 | 15 2 40 | 16°51'15 | 14♁15 | 24°41 | 7° 1 | 3°43 | 12°44 | 21°56 | 19°37 | 4°57 | 25°18 | 6°47 | 6°19 | 7°54 | 16°12 | | | | | | | | |
| T 5 | 15 6 36 | 17°48'48 | 29°24 | 25°10 | 6°41 | 4°27 | 12°57 | 21°56 | 19°35 | 4°56 | 25°18 | 6°46 | 6°15 | 8° 1 | 16°14 | | | | | | | | |
| F 6 | 15 10 33 | 18°46'19 | 14♁24 | 25°44 | 6°20 | 5°10 | 13°10 | 21°55 | 19°33 | 4°54 | 25°19 | 6°45 | 6°12 | 8° 8 | 16°17 | | | | | | | | |
| S 7 | 15 14 30 | 19°43'49 | 29° 5 | 26°21 | 5°56 | 5°53 | 13°23 | 21°54 | 19°31 | 4°53 | 25°19 | 6°44 | 6° 9 | 8°14 | 16°20 | | | | | | | | |
| S 8 | 15 18 26 | 20°41'18 | 13♁22 | 27° 2 | 5°29 | 6°36 | 13°36 | 21°53 | 19°29 | 4°51 | 25°19 | 6°42 | 6° 6 | 8°21 | 16°23 | | | | | | | | |
| M 9 | 15 22 23 | 21°38'45 | 27°13 | 27°47 | 5° 1 | 7°19 | 13°48 | 21°52 | 19°27 | 4°50 | 25°20 | 6°40 | 6° 3 | 8°27 | 16°26 | | | | | | | | |
| T 10 | 15 26 19 | 22°36'11 | 10♁37 | 28°36 | 4°31 | 8° 2 | 14° 1 | 21°51 | 19°25 | 4°48 | 25°20 | 6°39 | 6° 0 | 8°34 | 16°29 | | | | | | | | |
| W11 | 15 30 16 | 23°33'36 | 23°35 | 29°28 | 4° 0 | 8°45 | 14°14 | 21°50 | 19°23 | 4°47 | 25°20 | 6°39 | 5°56 | 8°41 | 16°32 | | | | | | | | |
| T 12 | 15 34 12 | 24°31'00 | 6♁11 | 0♁24 | 3°27 | 9°27 | 14°27 | 21°48 | 19°21 | 4°45 | 25°20 | 6°39 | 5°53 | 8°47 | 16°36 | | | | | | | | |
| F 13 | 15 38 9 | 25°28'22 | 18°29 | 1°23 | 2°52 | 10°10 | 14°39 | 21°47 | 19°19 | 4°44 | 25°21 | 6°40 | 5°50 | 8°54 | 16°39 | | | | | | | | |
| S 14 | 15 42 6 | 26°25'43 | 0♁33 | 2°26 | 2°17 | 10°53 | 14°52 | 21°46 | 19°16 | 4°42 | 25°21 | 6°42 | 5°47 | 9° 1 | 16°43 | | | | | | | | |
| S 15 | 15 46 2 | 27°23'02 | 12°28 | 3°32 | 1°40 | 11°36 | 15° 4 | 21°44 | 19°14 | 4°41 | 25°21 | 6°43 | 5°44 | 9° 7 | 16°46 | | | | | | | | |
| M16 | 15 49 59 | 28°20'21 | 24°17 | 4°41 | 1° 3 | 12°18 | 15°16 | 21°42 | 19°12 | 4°39 | 25°21 | 6°45 | 5°41 | 9°14 | 16°50 | | | | | | | | |
| T 17 | 15 53 55 | 29°17'39 | 6♁ 4 | 5°53 | 0°25 | 13° 1 | 15°29 | 21°41 | 19°10 | 4°38 | 25°21 | 6°45 | 5°37 | 9°21 | 16°54 | | | | | | | | |
| W18 | 15 57 52 | 0♁14'56 | 17°52 | 7° 8 | 29♁48 | 13°43 | 15°41 | 21°39 | 19° 7 | 4°36 | 25°22 | 6°45 | 5°34 | 9°27 | 16°58 | | | | | | | | |
| T 19 | 16 1 48 | 1°12'12 | 29°44 | 8°27 | 29°10 | 14°26 | 15°53 | 21°37 | 19° 5 | 4°35 | 25°22 | 6°43 | 5°31 | 9°34 | 17° 2 | | | | | | | | |
| F 20 | 16 5 45 | 2° 9'28 | 11♁47 | 9°48 | 28°32 | 15° 8 | 16° 5 | 21°35 | 19° 3 | 4°33 | 25°22 | 6°40 | 5°28 | 9°41 | 17° 6 | | | | | | | | |
| S 21 | 16 9 41 | 3° 6'43 | 23°47 | 11°13 | 27°56 | 15°50 | 16°17 | 21°33 | 19° 1 | 4°32 | 25°22 | 6°36 | 5°25 | 9°47 | 17°10 | | | | | | | | |
| S 22 | 16 13 38 | 4° 3'57 | 6♁ 1 | 12°40 | 27°20 | 16°33 | 16°29 | 21°30 | 18°58 | 4°31 | 25°22 | 6°32 | 5°21 | 9°54 | 17°14 | | | | | | | | |
| M23 | 16 17 35 | 5° 1'11 | 18°27 | 14°11 | 26°45 | 17°15 | 16°41 | 21°28 | 18°56 | 4°29 | 25°22 | 6°27 | 5°18 | 10° 0 | 17°19 | | | | | | | | |
| T 24 | 16 21 31 | 5°58'25 | 1♁ 6 | 15°44 | 26°11 | 17°57 | 16°52 | 21°26 | 18°54 | 4°28 | 25°22 | 6°23 | 5°15 | 10° 7 | 17°23 | | | | | | | | |
| W25 | 16 25 28 | 6°55'38 | 13°59 | 17°20 | 25°38 | 18°39 | 17° 4 | 21°23 | 18°51 | 4°27 | 25°22 | 6°20 | 5°12 | 10°14 | 17°28 | | | | | | | | |
| T 26 | 16 29 24 | 7°52'50 | 27°10 | 18°59 | 25° 8 | 19°21 | 17°16 | 21°21 | 18°49 | 4°25 | 25°22 | 6°18 | 5° 9 | 10°20 | 17°32 | | | | | | | | |
| F 27 | 16 33 21 | 8°50'03 | 10♁39 | 20°41 | 24°38 | 20° 3 | 17°27 | 21°18 | 18°47 | 4°24 | 25°21 | 6°18 | 5° 6 | 10°27 | 17°37 | | | | | | | | |
| S 28 | 16 37 17 | 9°47'15 | 24°28 | 22°26 | 24°11 | 20°45 | 17°38 | 21°15 | 18°44 | 4°23 | 25°21 | 6°19 | 5° 2 | 10°34 | 17°42 | | | | | | | | |
| S 29 | 16 41 14 | 10°44'27 | 8♁37 | 24°14 | 23°46 | 21°27 | 17°50 | 21°13 | 18°42 | 4°22 | 25°21 | 6°20 | 4°59 | 10°40 | 17°47 | | | | | | | | |
| M30 | 16 45 10 | 11°41'39 | 23° 6 | 26° 4 | 23°23 | 22° 9 | 18° 1 | 21°10 | 18°39 | 4°20 | 25°21 | 6°21 | 4°56 | 10°47 | 17°52 | | | | | | | | |
| T 31 | 16 49 7 | 12♁38'51 | 7♁51 | 27♁57 | 23♁ 3 | 22♁51 | 18♁12 | 21♁ 7 | 18♁37 | 4♁19 | 25♁21 | 6°R22 | 4♁53 | 10♁54 | 17♁57 | | | | | | | | |

Delta T = 47m41s

Julian Calendar 1 May 813 == Greg. Calendar 5 May 813

JUNE 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ |
|------|----------|----------|-------|-------|--------|-------|--------|--------|--------|-------|--------|-------|------|-------|-------|---|---|---|---|---|---|---|---|
| W 1 | 16 53 4 | 13♁36'03 | 22♁47 | 29♁52 | 22°R44 | 23♁32 | 18♁Y23 | 21°R 4 | 18°R34 | 4°R18 | 25°R21 | 6°R21 | 4♁50 | 11♁ 0 | 18♁ 2 | | | | | | | | |
| T 2 | 16 57 0 | 14°33'14 | 7♁47 | 1♁50 | 22♁28 | 24°14 | 18°34 | 21♁ 1 | 18°32 | 4♁17 | 25°20 | 6°18 | 4°47 | 11° 7 | 18° 7 | | | | | | | | |
| F 3 | 17 0 57 | 15°30'26 | 22°42 | 3°50 | 22°14 | 24°56 | 18°45 | 20°58 | 18°30 | 4°16 | 25°20 | 6°14 | 4°43 | 11°14 | 18°13 | | | | | | | | |
| S 4 | 17 4 53 | 16°27'37 | 7♁23 | 5°52 | 22° 3 | 25°37 | 18°56 | 20°55 | 18°27 | 4°15 | 25°20 | 6° 8 | 4°40 | 11°20 | 18°18 | | | | | | | | |
| S 5 | 17 8 50 | 17°24'48 | 21°45 | 7°56 | 21°54 | 26°19 | 19° 6 | 20°51 | 18°25 | 4°13 | 25°20 | 6° 2 | 4°37 | 11°27 | 18°23 | | | | | | | | |
| M 6 | 17 12 46 | 18°21'58 | 5♁41 | 10° 2 | 21°47 | 27° 0 | 19°17 | 20°48 | 18°22 | 4°12 | 25°19 | 5°56 | 4°34 | 11°34 | 18°29 | | | | | | | | |
| T 7 | 17 16 43 | 19°19'08 | 19° 9 | 12° 9 | 21°43 | 27°42 | 19°27 | 20°45 | 18°20 | 4°11 | 25°19 | 5°51 | 4°31 | 11°40 | 18°35 | | | | | | | | |
| W 8 | 17 20 39 | 20°16'18 | 2♁11 | 14°18 | 21°D41 | 28°23 | 19°37 | 20°41 | 18°17 | 4°10 | 25°18 | 5°48 | 4°27 | 11°47 | 18°40 | | | | | | | | |
| T 9 | 17 24 36 | 21°13'27 | 14°49 | 16°27 | 21°41 | 29° 4 | 19°48 | 20°38 | 18°15 | 4° 9 | 25°18 | 5°46 | 4°24 | 11°53 | 18°46 | | | | | | | | |
| F 10 | 17 28 33 | 22°10'36 | 27° 7 | 18°37 | 21°44 | 29°46 | 19°58 | 20°34 | 18°13 | 4° 8 | 25°18 | 5°D46 | 4°21 | 12° 0 | 18°52 | | | | | | | | |
| S 11 | 17 32 29 | 23° 7'44 | 9♁10 | 20°48 | 21°49 | 0♁27 | 20° 8 | 20°30 | 18°10 | 4° 7 | 25°17 | 5°47 | 4°18 | 12° 7 | 18°58 | | | | | | | | |
| S 12 | 17 36 26 | 24° 4'53 | 21° 3 | 22°58 | 21°56 | 1° 8 | 20°18 | 20°27 | 18° 8 | 4° 6 | 25°17 | 5°48 | 4°15 | 12°13 | 19° 4 | | | | | | | | |
| M13 | 17 40 22 | 25° 2'01 | 2♁51 | 25° 8 | 22° 5 | 1°49 | 20°27 | 20°23 | 18° 5 | 4° 6 | 25°16 | 5°R49 | 4°12 | 12°20 | 19°10 | | | | | | | | |
| T 14 | 17 44 19 | 25°59'09 | 14°38 | 27°18 | 22°16 | 2°30 | 20°37 | 20°19 | 18° 3 | 4° 5 | 25°16 | 5°49 | 4° 8 | 12°27 | 19°16 | | | | | | | | |
| W15 | 17 48 15 | 26°56'17 | 26°29 | 29°27 | 22°30 | 3°11 | 20°46 | 20°15 | 18° 1 | 4° 4 | 25°15 | 5°46 | 4° 5 | 12°33 | 19°22 | | | | | | | | |
| T 16 | 17 52 12 | 27°53'25 | 8♁27 | 1♁35 | 22°45 | 3°52 | 20°56 | 20°11 | 17°58 | 4° 3 | 25°15 | 5°42 | 4° 2 | 12°40 | 19°29 | | | | | | | | |
| F 17 | 17 56 8 | 28°50'34 | 20°35 | 3°42 | 23° 2 | 4°33 | 21° 5 | 20° 7 | 17°56 | 4° 2 | 25°14 | 5°35 | 3°59 | 12°47 | 19°35 | | | | | | | | |
| S 18 | 18 0 5 | 29°47'42 | 2♁53 | 5°48 | 23°21 | 5°14 | 21°14 | 20° 3 | 17°53 | 4° 2 | 25°13 | 5°27 | 3°56 | 12°53 | 19°41 | | | | | | | | |
| S 19 | 18 4 2 | 0♁44'51 | 15°23 | 7°52 | 23°42 | 5°55 | 21°23 | 19°59 | 17°51 | 4° 1 | 25°13 | 5°17 | 3°53 | 13° 0 | 19°48 | | | | | | | | |
| M20 | 18 7 58 | 1°42'00 | 28° 6 | 9°55 | 24° 5 | 6°35 | 21°32 | 19°55 | 17°49 | 4° 0 | 25°12 | 5° 8 | 3°49 | 13° 7 | 19°54 | | | | | | | | |
| T 21 | 18 11 55 | 2°39'09 | 11♁ 1 | 11°56 | 24°29 | 7°16 | 21°41 | 19°51 | 17°46 | 3°59 | 25°12 | 4°58 | 3°46 | 13°13 | 20° 1 | | | | | | | | |
| W22 | 18 15 51 | 3°36'19 | 24° 8 | 13°56 | 24°55 | 7°57 | 21°50 | 19°47 | 17°44 | 3°59 | 25°11 | 4°51 | 3°43 | 13°20 | 20° 8 | | | | | | | | |
| T 23 | 18 19 48 | 4°33'30 | 7♁29 | 15°54 | 25°23 | 8°37 | 21°58 | 19°43 | 17°42 | 3°58 | 25°10 | 4°46 | 3°40 | 13°27 | 20°14 | | | | | | | | |
| F 24 | 18 23 44 | 5°30'41 | 21° 2 | 17°50 | 25°52 | 9°18 | 22° 7 | 19°39 | 17°39 | 3°58 | 25° 9 | 4°43 | 3°37 | 13°33 | 20°21 | | | | | | | | |
| S 25 | 18 27 41 | 6°27'53 | 4♁48 | 19°44 | 26°23 | 9°58 | 22°15 | 19°34 | 17°37 | 3°57 | 25° 9 | 4°D42 | 3°33 | 13°40 | 20°28 | | | | | | | | |
| S 26 | 18 31 37 | 7°25'05 | 18°48 | 21°37 | 26°54 | 10°39 | 22°23 | 19°30 | 17°35 | 3°57 | 25° 8 | 4°42 | 3°30 | 13°46 | 20°35 | | | | | | | | |
| M27 | 18 35 34 | 8°22'19 | 3♁ 2 | 23°28 | 27°28 | 11°19 | 22°31 | 19°26 | 17°33 | 3°56 | 25° 7 | 4°R43 | 3°27 | 13°53 | 20°42 | | | | | | | | |
| T 28 | 18 39 31 | 9°19'33 | 17°28 | 25°17 | 28° 2 | 11°59 | 22°39 | 19°21 | 17°30 | 3°56 | 25° 6 | 4°42 | 3°24 | 14° 0 | 20°49 | | | | | | | | |
| W29 | 18 43 27 | 10°16'48 | 2♁ 3 | 27° 4 | 28°38 | 12°40 | 22°46 | 19°17 | 17°28 | 3°55 | 25° 6 | 4°40 | 3°21 | 14° 6 | 20°56 | | | | | | | | |
| T 30 | 18 47 24 | 11♁14'05 | 16♁42 | 28♁49 | 29♁15 | 13♁20 | 22♁54 | 19♁13 | 17♁26 | 3♁55 | 25♁ 5 | 4♁34 | 3♁18 | 14♁13 | 21♁ 3 | | | | | | | | |

Delta T = 47m41s

Julian Calendar

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SWISS EPHEMERIS for the year 813

JULY 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | | |
|------|----------|-----------------------|--------------------|-------------------|--------------------|-------------------|--------------------|--------------------|---------------------|--------------------|---------------------|--------------------|-------------------|---------------------|--------------------|---|---|---|---|---|---|---|---|--|--|
| F 1 | 18 51 20 | 12 [☾] 11'22 | 1 [☾] 19 | 0 [♁] 33 | 29 [♁] 53 | 14 [♁] 0 | 23 [♁] 1 | 19 [♁] 8 | 17 [♁] R24 | 3 [♁] R54 | 25 [♁] R 4 | 4 [♁] R27 | 3 [♁] 14 | 14 [♁] M20 | 21 [♁] 10 | | | | | | | | | | |
| S 2 | 18 55 17 | 13° 8'39 | 15°47 | 2°15 | 0 [♁] 33 | 14°40 | 23° 9 | 19 [♁] 8 | 17 [♁] R24 | 3 [♁] M54 | 25 [♁] 3 | 4 [♁] 17 | 3 [♁] 11 | 14 [♁] M26 | 21 [♁] 17 | | | | | | | | | | |
| S 3 | 18 59 13 | 14° 5'58 | 0 [♁] 0 | 3°55 | 1°13 | 15°20 | 23°16 | 18°59 | 17°20 | 3°54 | 25° 2 | 4° 7 | 3° 8 | 14°33 | 21°25 | | | | | | | | | | |
| M 4 | 19 3 10 | 15° 3'17 | 13°51 | 5°33 | 1°55 | 16° 0 | 23°23 | 18°55 | 17°18 | 3°53 | 25° 1 | 3°56 | 3° 5 | 14°40 | 21°32 | | | | | | | | | | |
| T 5 | 19 7 7 | 16° 0'36 | 27°18 | 7° 9 | 2°37 | 16°40 | 23°30 | 18°51 | 17°16 | 3°53 | 25° 0 | 3°47 | 3° 2 | 14°46 | 21°39 | | | | | | | | | | |
| W 6 | 19 11 3 | 16°57'56 | 10 [♁] 20 | 8°44 | 3°20 | 17°20 | 23°36 | 18°46 | 17°14 | 3°53 | 24°59 | 3°40 | 2°59 | 14°53 | 21°47 | | | | | | | | | | |
| T 7 | 19 15 0 | 17°55'17 | 22°58 | 10°17 | 4° 5 | 18° 0 | 23°43 | 18°42 | 17°12 | 3°53 | 24°58 | 3°35 | 2°55 | 15° 0 | 21°54 | | | | | | | | | | |
| F 8 | 19 18 56 | 18°52'38 | 5 [♁] 17 | 11°48 | 4°50 | 18°40 | 23°49 | 18°37 | 17°10 | 3°53 | 24°58 | 3°33 | 2°52 | 15° 6 | 22° 2 | | | | | | | | | | |
| S 9 | 19 22 53 | 19°50'00 | 17°21 | 13°17 | 5°36 | 19°19 | 23°55 | 18°33 | 17° 8 | 3°53 | 24°57 | 3°D32 | 2°49 | 15°13 | 22° 9 | | | | | | | | | | |
| S 10 | 19 26 49 | 20°47'22 | 29°14 | 14°45 | 6°22 | 19°59 | 24° 1 | 18°28 | 17° 6 | 3°52 | 24°56 | 3°R32 | 2°46 | 15°20 | 22°17 | | | | | | | | | | |
| M11 | 19 30 46 | 21°44'46 | 11 [♁] 2 | 16°10 | 7°10 | 20°39 | 24° 7 | 18°24 | 17° 4 | 3°52 | 24°55 | 3°32 | 2°43 | 15°26 | 22°25 | | | | | | | | | | |
| T 12 | 19 34 42 | 22°42'10 | 22°51 | 17°34 | 7°58 | 21°18 | 24°13 | 18°19 | 17° 2 | 3°D52 | 24°54 | 3°30 | 2°39 | 15°33 | 22°32 | | | | | | | | | | |
| W13 | 19 38 39 | 23°39'34 | 4 [♁] 46 | 18°56 | 8°47 | 21°58 | 24°18 | 18°15 | 17° 0 | 3°52 | 24°52 | 3°27 | 2°36 | 15°40 | 22°40 | | | | | | | | | | |
| T 14 | 19 42 36 | 24°37'00 | 16°50 | 20°16 | 9°37 | 22°37 | 24°24 | 18°11 | 16°59 | 3°52 | 24°51 | 3°21 | 2°33 | 15°46 | 22°48 | | | | | | | | | | |
| F 15 | 19 46 32 | 25°34'27 | 29° 7 | 21°34 | 10°28 | 23°17 | 24°29 | 18° 6 | 16°57 | 3°53 | 24°50 | 3°12 | 2°30 | 15°53 | 22°56 | | | | | | | | | | |
| S 16 | 19 50 29 | 26°31'54 | 11 [♁] 39 | 22°50 | 11°19 | 23°56 | 24°34 | 18° 2 | 16°55 | 3°53 | 24°49 | 3° 1 | 2°27 | 15°59 | 23° 3 | | | | | | | | | | |
| S 17 | 19 54 25 | 27°29'23 | 24° 3 | 24° 3 | 12°11 | 24°35 | 24°39 | 17°57 | 16°54 | 3°53 | 24°48 | 2°49 | 2°24 | 16° 6 | 23°11 | | | | | | | | | | |
| M18 | 19 58 22 | 28°26'53 | 7 [♁] 29 | 25°15 | 13° 3 | 25°15 | 24°44 | 17°53 | 16°52 | 3°53 | 24°47 | 2°36 | 2°20 | 16°13 | 23°19 | | | | | | | | | | |
| T 19 | 20 2 18 | 29°24'24 | 20°46 | 26°24 | 13°56 | 25°54 | 24°48 | 17°49 | 16°50 | 3°53 | 24°46 | 2°24 | 2°17 | 16°19 | 23°27 | | | | | | | | | | |
| W20 | 20 6 15 | 0 [♁] 21'56 | 4 [♁] 15 | 27°31 | 14°50 | 26°33 | 24°53 | 17°44 | 16°49 | 3°53 | 24°45 | 2°15 | 2°14 | 16°26 | 23°35 | | | | | | | | | | |
| T 21 | 20 10 11 | 1°19'29 | 17°55 | 28°36 | 15°44 | 27°12 | 24°57 | 17°40 | 16°47 | 3°54 | 24°44 | 2° 7 | 2°11 | 16°33 | 23°43 | | | | | | | | | | |
| F 22 | 20 14 8 | 2°17'04 | 1 [♁] 42 | 29°38 | 16°39 | 27°51 | 25° 1 | 17°36 | 16°46 | 3°54 | 24°43 | 2° 3 | 2° 8 | 16°39 | 23°51 | | | | | | | | | | |
| S 23 | 20 18 5 | 3°14'41 | 15°37 | 0 [♁] 38 | 17°34 | 28°30 | 25° 4 | 17°32 | 16°44 | 3°54 | 24°41 | 2° 1 | 2° 5 | 16°46 | 23°59 | | | | | | | | | | |
| S 24 | 20 22 1 | 4°12'19 | 29°38 | 1°34 | 18°30 | 29° 9 | 25° 8 | 17°28 | 16°43 | 3°55 | 24°40 | 2° 0 | 2° 1 | 16°53 | 24° 7 | | | | | | | | | | |
| M25 | 20 25 58 | 5° 9'59 | 13 [♁] 44 | 2°28 | 19°26 | 29°48 | 25°12 | 17°23 | 16°42 | 3°55 | 24°39 | 2° 0 | 1°58 | 16°59 | 24°15 | | | | | | | | | | |
| T 26 | 20 29 54 | 6° 7'41 | 27°55 | 3°19 | 20°23 | 0 [♁] 27 | 25°15 | 17°19 | 16°40 | 3°55 | 24°38 | 1°59 | 1°55 | 17° 6 | 24°24 | | | | | | | | | | |
| W27 | 20 33 51 | 7° 5'24 | 12 [♁] 10 | 4° 7 | 21°20 | 1° 6 | 25°18 | 17°15 | 16°39 | 3°56 | 24°37 | 1°56 | 1°52 | 17°13 | 24°32 | | | | | | | | | | |
| T 28 | 20 37 47 | 8° 3'09 | 26°25 | 4°51 | 22°18 | 1°44 | 25°21 | 17°11 | 16°38 | 3°56 | 24°36 | 1°50 | 1°49 | 17°19 | 24°40 | | | | | | | | | | |
| F 29 | 20 41 44 | 9° 0'56 | 10 [♁] 37 | 5°32 | 23°16 | 2°23 | 25°23 | 17° 7 | 16°37 | 3°57 | 24°34 | 1°42 | 1°45 | 17°26 | 24°48 | | | | | | | | | | |
| S 30 | 20 45 40 | 9°58'45 | 24°42 | 6° 8 | 24°14 | 3° 2 | 25°26 | 17° 3 | 16°35 | 3°58 | 24°33 | 1°31 | 1°42 | 17°33 | 24°56 | | | | | | | | | | |
| S 31 | 20 49 37 | 10 [♁] 56'34 | 8 [♁] 34 | 6 [♁] 41 | 25 [♁] 13 | 3 [♁] 40 | 25 [♁] 28 | 16 [♁] 59 | 16 [♁] 34 | 3 [♁] 58 | 24 [♁] 32 | 1 [♁] 19 | 1 [♁] 39 | 17 [♁] 39 | 25 [♁] 15 | | | | | | | | | | |

Delta T = 47m40s

Julian Calendar 1 July 813 == Greg. Calendar 5 July 813

AUGUST 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♄ | ♅ | ♆ | ♇ | ♈ | ♉ | ♊ | ♋ | ♌ | ♍ | ♎ | ♏ | ♐ | ♑ | ♒ | ♓ | | |
|------|----------|-----------------------|--------------------|-------------------|--------------------|-------------------|--------------------|---------------------|---------------------|--------------------|---------------------|--------------------|-------------------|---------------------|--------------------|---|---|---|---|---|---|---|---|--|--|
| M 1 | 20 53 34 | 11 [♁] 54'26 | 22 [♁] 10 | 7 [♁] 10 | 26 [♁] 13 | 4 [♁] 19 | 25 [♁] 30 | 16 [♁] R56 | 16 [♁] R33 | 3 [♁] M59 | 24 [♁] R31 | 1 [♁] R 7 | 1 [♁] 36 | 17 [♁] M46 | 25 [♁] 13 | | | | | | | | | | |
| T 2 | 20 57 30 | 12°52'19 | 5 [♁] 26 | 7°34 | 27°12 | 4°57 | 25°32 | 16 [♁] 52 | 16 [♁] 32 | 3°59 | 24 [♁] 30 | 0 [♁] 57 | 1°33 | 17°53 | 25°21 | | | | | | | | | | |
| W 3 | 21 1 27 | 13°50'13 | 18°21 | 7°53 | 28°12 | 5°36 | 25°34 | 16°48 | 16°31 | 4° 0 | 24°28 | 0°48 | 1°30 | 17°59 | 25°30 | | | | | | | | | | |
| T 4 | 21 5 23 | 14°48'08 | 0 [♁] 56 | 8° 7 | 29°13 | 6°14 | 25°36 | 16°44 | 16°30 | 4° 1 | 24°27 | 0°42 | 1°26 | 18° 6 | 25°38 | | | | | | | | | | |
| F 5 | 21 9 20 | 15°46'05 | 13°13 | 8°16 | 0 [♁] 14 | 6°53 | 25°37 | 16°41 | 16°30 | 4° 2 | 24°26 | 0°39 | 1°23 | 18°12 | 25°46 | | | | | | | | | | |
| S 6 | 21 13 16 | 16°44'04 | 25°15 | 8°R19 | 1°15 | 7°31 | 25°38 | 16°37 | 16°29 | 4° 2 | 24°25 | 0°38 | 1°20 | 18°19 | 25°55 | | | | | | | | | | |
| S 7 | 21 17 13 | 17°42'04 | 7 [♁] 11 | 8°17 | 2°16 | 8° 9 | 25°39 | 16°34 | 16°28 | 4° 3 | 24°23 | 0°D38 | 1°17 | 18°26 | 26° 3 | | | | | | | | | | |
| M 8 | 21 21 9 | 18°40'05 | 18°57 | 8° 9 | 3°18 | 8°47 | 25°40 | 16°30 | 16°27 | 4° 4 | 24°22 | 0°R38 | 1°14 | 18°32 | 26°11 | | | | | | | | | | |
| T 9 | 21 25 6 | 19°38'08 | 0 [♁] 47 | 7°54 | 4°20 | 9°25 | 25°40 | 16°27 | 16°27 | 4° 5 | 24°21 | 0°37 | 1°11 | 18°39 | 26°20 | | | | | | | | | | |
| W10 | 21 29 3 | 20°36'12 | 12°44 | 7°34 | 5°23 | 10° 3 | 25°41 | 16°24 | 16°26 | 4° 6 | 24°20 | 0°35 | 1° 7 | 18°46 | 26°28 | | | | | | | | | | |
| T 11 | 21 32 59 | 21°34'18 | 24°51 | 7° 7 | 6°25 | 10°41 | 25°R41 | 16°20 | 16°25 | 4° 7 | 24°18 | 0°31 | 1° 4 | 18°52 | 26°37 | | | | | | | | | | |
| F 12 | 21 36 56 | 22°32'26 | 7 [♁] 15 | 6°34 | 7°28 | 11°19 | 25°41 | 16°17 | 16°25 | 4° 8 | 24°17 | 0°24 | 1° 1 | 18°59 | 26°45 | | | | | | | | | | |
| S 13 | 21 40 52 | 23°30'35 | 19°56 | 5°55 | 8°32 | 11°57 | 25°40 | 16°14 | 16°24 | 4° 9 | 24°16 | 0°15 | 0°58 | 19° 6 | 26°54 | | | | | | | | | | |
| S 14 | 21 44 49 | 24°28'45 | 2 [♁] 58 | 5°11 | 9°35 | 12°35 | 25°40 | 16°11 | 16°24 | 4°10 | 24°15 | 0° 4 | 0°55 | 19°12 | 27° 2 | | | | | | | | | | |
| M15 | 21 48 45 | 25°26'57 | 16°19 | 4°21 | 10°39 | 13°13 | 25°39 | 16° 8 | 16°24 | 4°11 | 24°13 | 29 [♁] 53 | 0°51 | 19°19 | 27°10 | | | | | | | | | | |
| T 16 | 21 52 42 | 26°25'11 | 29°58 | 3°28 | 11°43 | 13°51 | 25°38 | 16° 5 | 16°23 | 4°12 | 24°12 | 29°43 | 0°48 | 19°26 | 27°19 | | | | | | | | | | |
| W17 | 21 56 38 | 27°23'27 | 13 [♁] 52 | 2°30 | 12°47 | 14°28 | 25°37 | 16° 3 | 16°23 | 4°13 | 24°11 | 29°34 | 0° | | | | | | | | | | | | |

SWISS EPHEMERIS for the year 813

SEPTEMBER 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|----------|----------|-------|-------|-------|-------|--------|--------|-------|------|--------|--------|--------|-------|-------|
| T 1 | 22 55 47 | 12♍ 1'41 | 9♌ 0 | 24♌57 | 29♌21 | 23♌47 | 24°R58 | 15°R31 | 16°25 | 4♌33 | 23°R52 | 28°R30 | 29°Y57 | 21♌12 | 29♌34 |
| F 2 | 22 59 43 | 13° 0'31 | 21°12 | 25°32 | 0♌29 | 24°23 | 24°Y54 | 15°29 | 16°25 | 4°34 | 23°31 | 28°Y28 | 29°54 | 21°19 | 29°42 |
| S 3 | 23 3 40 | 13°59'22 | 3♌11 | 26°15 | 1°37 | 25° 0 | 24°49 | 15°28 | 16°26 | 4°36 | 23°50 | 28°D28 | 29°51 | 21°25 | 29°51 |
| S 4 | 23 7 36 | 14°58'16 | 15° 3 | 27° 7 | 2°45 | 25°37 | 24°45 | 15°27 | 16°27 | 4°38 | 23°49 | 28°29 | 29°48 | 21°32 | 29°59 |
| M 5 | 23 11 33 | 15°57'11 | 26°51 | 28° 7 | 3°54 | 26°13 | 24°40 | 15°26 | 16°27 | 4°39 | 23°48 | 28°30 | 29°45 | 21°39 | 0♍ 7 |
| T 6 | 23 15 30 | 16°56'08 | 8♌41 | 29°14 | 5° 2 | 26°50 | 24°35 | 15°25 | 16°28 | 4°41 | 23°46 | 28°31 | 29°42 | 21°45 | 0°15 |
| W 7 | 23 19 26 | 17°55'07 | 20°36 | 0♍27 | 6°11 | 27°26 | 24°30 | 15°24 | 16°29 | 4°43 | 23°45 | 28°R32 | 29°38 | 21°52 | 0°24 |
| T 8 | 23 23 23 | 18°54'08 | 2♌44 | 1°45 | 7°20 | 28° 2 | 24°25 | 15°23 | 16°30 | 4°44 | 23°44 | 28°31 | 29°35 | 21°59 | 0°32 |
| F 9 | 23 27 19 | 19°53'11 | 15° 8 | 3° 9 | 8°29 | 28°39 | 24°20 | 15°22 | 16°31 | 4°46 | 23°43 | 28°28 | 29°32 | 22° 5 | 0°40 |
| S 10 | 23 31 16 | 20°52'16 | 27°52 | 4°37 | 9°38 | 29°15 | 24°14 | 15°22 | 16°31 | 4°48 | 23°42 | 28°24 | 29°29 | 22°12 | 0°48 |
| S 11 | 23 35 12 | 21°51'22 | 10♌59 | 6° 9 | 10°47 | 29°51 | 24° 8 | 15°21 | 16°32 | 4°49 | 23°41 | 28°18 | 29°26 | 22°19 | 0°57 |
| M12 | 23 39 9 | 22°50'30 | 24°30 | 7°44 | 11°57 | 0♌27 | 24° 3 | 15°21 | 16°33 | 4°51 | 23°40 | 28°12 | 29°22 | 22°25 | 1° 5 |
| T 13 | 23 43 5 | 23°49'40 | 8♌24 | 9°21 | 13° 6 | 1° 3 | 23°57 | 15°20 | 16°35 | 4°53 | 23°39 | 28° 7 | 29°19 | 22°32 | 1°13 |
| W14 | 23 47 2 | 24°48'53 | 22°38 | 11° 1 | 14°16 | 1°39 | 23°51 | 15°20 | 16°36 | 4°55 | 23°38 | 28° 2 | 29°16 | 22°39 | 1°21 |
| T 15 | 23 50 59 | 25°48'07 | 7♍ 6 | 12°42 | 15°26 | 2°15 | 23°44 | 15°20 | 16°37 | 4°57 | 23°37 | 27°59 | 29°13 | 22°45 | 1°29 |
| F 16 | 23 54 55 | 26°47'23 | 21°44 | 14°25 | 16°36 | 2°51 | 23°38 | 15°D20 | 16°38 | 4°58 | 23°36 | 27°D58 | 29°10 | 22°52 | 1°37 |
| S 17 | 23 58 52 | 27°46'42 | 6♌24 | 16° 8 | 17°46 | 3°27 | 23°31 | 15°20 | 16°39 | 5° 0 | 23°35 | 27°58 | 29° 7 | 22°59 | 1°45 |
| S 18 | 0 2 48 | 28°46'03 | 20°59 | 17°53 | 18°57 | 4° 2 | 23°25 | 15°20 | 16°41 | 5° 2 | 23°34 | 27°59 | 29° 3 | 23° 5 | 1°53 |
| M19 | 0 6 45 | 29°45'26 | 5♍26 | 19°37 | 20° 7 | 4°38 | 23°18 | 15°21 | 16°42 | 5° 4 | 23°33 | 28° 0 | 29° 0 | 23°12 | 2° 1 |
| T 20 | 0 10 41 | 0♌44'52 | 19°41 | 21°22 | 21°18 | 5°13 | 23°11 | 15°21 | 16°44 | 5° 6 | 23°32 | 28° 2 | 28°57 | 23°19 | 2° 9 |
| W21 | 0 14 38 | 1°44'21 | 3♌43 | 23° 7 | 22°29 | 5°49 | 23° 4 | 15°21 | 16°45 | 5° 8 | 23°31 | 28°R 2 | 28°54 | 23°25 | 2°17 |
| T 22 | 0 18 34 | 2°43'51 | 17°30 | 24°52 | 23°40 | 6°24 | 22°57 | 15°22 | 16°47 | 5°10 | 23°30 | 28° 1 | 28°51 | 23°32 | 2°25 |
| F 23 | 0 22 31 | 3°43'24 | 1♌ 2 | 26°37 | 24°51 | 7° 0 | 22°49 | 15°23 | 16°48 | 5°12 | 23°29 | 27°59 | 28°48 | 23°39 | 2°32 |
| S 24 | 0 26 28 | 4°43'00 | 14°20 | 28°21 | 26° 2 | 7°35 | 22°42 | 15°23 | 16°50 | 5°14 | 23°28 | 27°56 | 28°44 | 23°45 | 2°40 |
| S 25 | 0 30 24 | 5°42'37 | 27°23 | 0♌ 6 | 27°13 | 8°10 | 22°35 | 15°24 | 16°52 | 5°16 | 23°27 | 27°53 | 28°41 | 23°52 | 2°48 |
| M26 | 0 34 21 | 6°42'17 | 10♍13 | 1°49 | 28°24 | 8°45 | 22°27 | 15°25 | 16°53 | 5°18 | 23°26 | 27°49 | 28°38 | 23°59 | 2°55 |
| T 27 | 0 38 17 | 7°41'59 | 22°49 | 3°32 | 29°36 | 9°20 | 22°20 | 15°26 | 16°55 | 5°20 | 23°25 | 27°46 | 28°35 | 24° 5 | 3° 3 |
| W28 | 0 42 14 | 8°41'43 | 5♌13 | 5°15 | 0♍48 | 9°55 | 22°12 | 15°28 | 16°57 | 5°22 | 23°25 | 27°44 | 28°32 | 24°12 | 3°11 |
| T 29 | 0 46 10 | 9°41'29 | 17°26 | 6°57 | 1°59 | 10°30 | 22° 4 | 15°29 | 16°59 | 5°24 | 23°24 | 27°43 | 28°28 | 24°19 | 3°18 |
| F 30 | 0 50 7 | 10♌41'17 | 29♌29 | 8♌39 | 3♍11 | 11♌ 5 | 21°Y56 | 15°20 | 17°1 | 5♌26 | 23°23 | 27°D43 | 28°Y25 | 24♌25 | 3♍26 |

Delta T = 47m39s

Julian Calendar 1 Sept. 813 == Greg. Calendar 5 Sept. 813

OCTOBER 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ | ♂ |
|------|---------|----------|-------|-------|-------|-------|--------|-------|-------|------|--------|--------|--------|-------|------|
| S 1 | 0 54 3 | 11♌41'08 | 11♌24 | 10♌20 | 4♍23 | 11♌40 | 21°R48 | 15°20 | 17°3 | 5♌28 | 23°R22 | 27°Y43 | 28°Y22 | 24♌32 | 3♍33 |
| S 2 | 0 58 0 | 12°41'00 | 23°14 | 12° 0 | 5°35 | 12°14 | 21°Y40 | 15°33 | 17° 5 | 5°30 | 23°21 | 27°44 | 28°19 | 24°38 | 3°40 |
| M 3 | 1 1 56 | 13°40'54 | 5♌ 1 | 13°40 | 6°47 | 12°49 | 21°32 | 15°35 | 17° 7 | 5°32 | 23°21 | 27°46 | 28°16 | 24°45 | 3°48 |
| T 4 | 1 5 53 | 14°40'49 | 16°50 | 15°20 | 7°59 | 13°23 | 21°24 | 15°37 | 17° 9 | 5°35 | 23°20 | 27°47 | 28°13 | 24°52 | 3°55 |
| W 5 | 1 9 50 | 15°40'47 | 28°45 | 16°59 | 9°11 | 13°57 | 21°16 | 15°39 | 17°11 | 5°37 | 23°19 | 27°48 | 28° 9 | 24°58 | 4° 2 |
| T 6 | 1 13 46 | 16°40'46 | 10♌30 | 18°37 | 10°24 | 14°32 | 21° 8 | 15°41 | 17°13 | 5°39 | 23°19 | 27°48 | 28° 6 | 25° 5 | 4° 9 |
| F 7 | 1 17 43 | 17°40'47 | 23°10 | 20°15 | 11°36 | 15° 6 | 21° 0 | 15°43 | 17°15 | 5°41 | 23°18 | 27°R48 | 28° 3 | 25°12 | 4°17 |
| S 8 | 1 21 39 | 18°40'50 | 5♌50 | 21°52 | 12°49 | 15°40 | 20°52 | 15°45 | 17°17 | 5°43 | 23°17 | 27°48 | 28° 0 | 25°18 | 4°24 |
| S 9 | 1 25 36 | 19°40'54 | 18°53 | 23°29 | 14° 2 | 16°14 | 20°44 | 15°47 | 17°20 | 5°45 | 23°17 | 27°47 | 27°57 | 25°25 | 4°31 |
| M10 | 1 29 32 | 20°41'00 | 2♌22 | 25° 5 | 15°14 | 16°48 | 20°36 | 15°49 | 17°22 | 5°48 | 23°16 | 27°46 | 27°54 | 25°32 | 4°38 |
| T 11 | 1 33 29 | 21°41'07 | 16°18 | 26°41 | 16°27 | 17°22 | 20°27 | 15°52 | 17°24 | 5°50 | 23°16 | 27°45 | 27°50 | 25°38 | 4°44 |
| W12 | 1 37 25 | 22°41'16 | 0♍39 | 28°16 | 17°40 | 17°55 | 20°19 | 15°54 | 17°27 | 5°52 | 23°15 | 27°45 | 27°47 | 25°45 | 4°51 |
| T 13 | 1 41 22 | 23°41'27 | 15°21 | 29°51 | 18°53 | 18°29 | 20°11 | 15°57 | 17°29 | 5°54 | 23°15 | 27°45 | 27°44 | 25°52 | 4°58 |
| F 14 | 1 45 19 | 24°41'40 | 0♌18 | 1♌25 | 20° 6 | 19° 2 | 20° 3 | 16° 0 | 17°32 | 5°56 | 23°14 | 27°D44 | 27°41 | 25°58 | 5° 5 |
| S 15 | 1 49 15 | 25°41'55 | 15°22 | 3° 0 | 21°19 | 19°36 | 19°55 | 16° 3 | 17°34 | 5°59 | 23°14 | 27°45 | 27°38 | 26° 5 | 5°11 |
| S 16 | 1 53 12 | 26°42'11 | 0♍23 | 4°33 | 22°32 | 20° 9 | 19°47 | 16° 6 | 17°37 | 6° 1 | 23°13 | 27°45 | 27°34 | 26°12 | 5°18 |
| M17 | 1 57 8 | 27°42'30 | 15°13 | 6° 7 | 23°46 | 20°42 | 19°39 | 16° 9 | 17°39 | 6° 3 | 23°13 | 27°R45 | 27°31 | 26°18 | 5°24 |
| T 18 | 2 1 5 | 28°42'50 | 29°47 | 7°40 | 24°59 | 21°15 | 19°31 | 16°12 | 17°42 | 6° 5 | 23°12 | 27°45 | 27°28 | 26°25 | 5°31 |
| W19 | 2 5 1 | 29°43'13 | 14♌ 0 | 9°12 | 26°12 | 21°48 | 19°23 | 16°15 | 17°45 | 6° 8 | 23°12 | 27°45 | 27°25 | 26°32 | 5°37 |
| T 20 | 2 8 58 | 0♌43'38 | 27°50 | 10°45 | 27°26 | 22°21 | 19°15 | 16°18 | 17°47 | 6°10 | 23°12 | 27°D45 | 27°22 | 26°38 | 5°43 |
| F 21 | 2 12 54 | 1°44'04 | 11♌18 | 12°17 | 28°39 | 22°54 | 19° 7 | 16°22 | 17°50 | 6°12 | 23°11 | 27°45 | 27°19 | 26°45 | 5°50 |
| S 22 | 2 16 51 | 2°44'33 | 24°25 | 13°48 | 29°53 | 23°27 | 19° 0 | 16°25 | 17°53 | 6°14 | 23°11 | 27°45 | 27°15 | 26°52 | 5°56 |
| S 23 | 2 20 48 | 3°45'04 | 7♍13 | 15°20 | 1♌ 7 | 23°59 | 18°52 | 16°29 | 17°56 | 6°17 | 23°11 | 27°45 | 27°12 | 26°58 | 6° 2 |
| M24 | 2 24 44 | 4°45'36 | 19°45 | 16°51 | 2°21 | 24°32 | 18°44 | 16°32 | 17°59 | 6°19 | 23°10 | 27°46 | 27° 9 | 27° 5 | 6° 8 |
| T 25 | 2 28 41 | 5°46'10 | 2♌ 4 | 18°22 | 3°34 | 25° 4 | 18°37 | 16°36 | 18° 1 | 6°21 | 23°10 | 27°47 | 27° 6 | 27°12 | 6°14 |
| W26 | 2 32 37 | 6°46'46 | 14°13 | 19°52 | 4°48 | 25°36 | 18°30 | 16°40 | 18° 4 | 6°23 | 23°10 | 27°47 | 27° 3 | 27°18 | 6°19 |
| T 27 | 2 36 34 | 7°47'23 | 26°13 | 21°22 | 6° 2 | 26° 8 | 18°22 | 16°44 | 18° 7 | 6°26 | 23°10 | 27°R48 | 26°59 | 27°25 | 6°25 |
| F 28 | 2 40 30 | 8°48'02 | 8♌ 8 | 22°52 | 7°16 | 26°40 | 18°15 | 16°48 | 18°10 | 6°28 | 23°10 | 27°48 | 26°56 | 27°32 | 6°31 |
| S 29 | 2 44 27 | 9°48'43 | 19°58 | 24°22 | 8°30 | 27°12 | 18° 8 | 16°52 | 18°13 | 6°30 | 23°10 | 27°47 | 26°53 | 27°38 | 6°36 |
| S 30 | 2 48 23 | 10°49'25 | 1♌47 | 25°51 | 9°44 | 27°44 | 18° 1 | 16°56 | 18°16 | 6°32 | 23° 9 | 27°45 | 26°50 | 27°45 | 6°42 |
| M31 | 2 52 20 | 11♌50'08 | 13♌35 | 27♌20 | 10♌58 | 28♌15 | 17°Y54 | 17°20 | 18♌19 | 6♌35 | 23° 9 | 27°Y43 | 26°Y47 | 27♌52 | 6♍47 |

Delta T = 47m38s

Julian Calendar

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SWISS EPHEMERIS for the year 813

NOVEMBER 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|--------|--------|-------|------|--------|--------|--------|-------|------|
| T 1 | 2 56 17 | 12♌50'53 | 25♌26 | 28♌48 | 12♌13 | 28♌47 | 17°R48 | 17♌3 4 | 18♌22 | 6♌37 | 23°R 9 | 27°R41 | 26°Y44 | 27♌58 | 6♌53 |
| W 2 | 3 0 13 | 13°51'39 | 7♌23 | 0♌16 | 13°27 | 29°18 | 17°Y41 | 17° 9 | 18°26 | 6°39 | 23°R 9 | 27°Y38 | 26°40 | 28° 5 | 6°58 |
| T 3 | 3 4 10 | 14°52'26 | 19°28 | 1°43 | 14°41 | 29°49 | 17°35 | 17°13 | 18°29 | 6°41 | 23°D 9 | 27°36 | 26°37 | 28°12 | 7° 3 |
| F 4 | 3 8 6 | 15°53'15 | 1♌46 | 3° 9 | 15°55 | 0♌20 | 17°28 | 17°18 | 18°32 | 6°44 | 23° 9 | 27°35 | 26°34 | 28°18 | 7° 8 |
| S 5 | 3 12 3 | 16°54'04 | 14°21 | 4°35 | 17°10 | 0°51 | 17°22 | 17°22 | 18°35 | 6°46 | 23° 9 | 27°D34 | 26°31 | 28°25 | 7°13 |
| S 6 | 3 15 59 | 17°54'54 | 27°16 | 6° 1 | 18°24 | 1°22 | 17°16 | 17°27 | 18°38 | 6°48 | 23° 9 | 27°34 | 26°28 | 28°32 | 7°18 |
| M 7 | 3 19 56 | 18°55'45 | 10♌35 | 7°25 | 19°39 | 1°52 | 17°10 | 17°32 | 18°41 | 6°50 | 23°10 | 27°35 | 26°25 | 28°38 | 7°23 |
| T 8 | 3 23 52 | 19°56'37 | 24°20 | 8°48 | 20°53 | 2°23 | 17° 5 | 17°36 | 18°45 | 6°52 | 23°10 | 27°37 | 26°21 | 28°45 | 7°27 |
| W 9 | 3 27 49 | 20°57'30 | 8°Y33 | 10°10 | 22° 8 | 2°53 | 16°59 | 17°41 | 18°48 | 6°55 | 23°10 | 27°38 | 26°18 | 28°52 | 7°32 |
| T 10 | 3 31 46 | 21°58'24 | 23°12 | 11°31 | 23°22 | 3°23 | 16°54 | 17°46 | 18°51 | 6°57 | 23°10 | 27°R39 | 26°15 | 28°58 | 7°36 |
| F 11 | 3 35 42 | 22°59'19 | 8♌12 | 12°50 | 24°37 | 3°53 | 16°48 | 17°51 | 18°55 | 6°59 | 23°10 | 27°39 | 26°12 | 29° 5 | 7°41 |
| S 12 | 3 39 39 | 24° 0'15 | 23°25 | 14° 7 | 25°51 | 4°23 | 16°43 | 17°56 | 18°58 | 7° 1 | 23°10 | 27°37 | 26° 9 | 29°12 | 7°45 |
| S 13 | 3 43 35 | 25° 1'12 | 8♌42 | 15°22 | 27° 6 | 4°53 | 16°39 | 18° 2 | 19° 1 | 7° 3 | 23°11 | 27°34 | 26° 5 | 29°18 | 7°49 |
| M14 | 3 47 32 | 26° 2'10 | 23°52 | 16°34 | 28°21 | 5°22 | 16°34 | 18° 7 | 19° 5 | 7° 6 | 23°11 | 27°30 | 26° 2 | 29°25 | 7°53 |
| T 15 | 3 51 28 | 27° 3'09 | 8♌46 | 17°44 | 29°35 | 5°51 | 16°29 | 18°12 | 19° 8 | 7° 8 | 23°11 | 27°26 | 25°59 | 29°32 | 7°57 |
| W16 | 3 55 25 | 28° 4'10 | 23°16 | 18°51 | 0♌50 | 6°20 | 16°25 | 18°17 | 19°12 | 7°10 | 23°12 | 27°22 | 25°56 | 29°38 | 8° 1 |
| T 17 | 3 59 22 | 29° 5'11 | 7♌19 | 19°54 | 2° 5 | 6°49 | 16°21 | 18°23 | 19°15 | 7°12 | 23°12 | 27°19 | 25°53 | 29°45 | 8° 5 |
| F 18 | 4 3 18 | 0♌6'14 | 20°53 | 20°52 | 3°19 | 7°18 | 16°17 | 18°28 | 19°18 | 7°14 | 23°12 | 27°17 | 25°50 | 29°52 | 8° 9 |
| S 19 | 4 7 15 | 1° 7'18 | 4♌0 | 21°46 | 4°34 | 7°47 | 16°13 | 18°34 | 19°22 | 7°16 | 23°13 | 27°D16 | 25°46 | 29°58 | 8°12 |
| S 20 | 4 11 11 | 2° 8'23 | 16°44 | 22°34 | 5°49 | 8°15 | 16°10 | 18°40 | 19°25 | 7°18 | 23°13 | 27°17 | 25°43 | 0♌5 | 8°16 |
| M21 | 4 15 8 | 3° 9'29 | 29° 8 | 23°15 | 7° 4 | 8°43 | 16° 6 | 18°45 | 19°29 | 7°20 | 23°14 | 27°19 | 25°40 | 0°12 | 8°19 |
| T 22 | 4 19 4 | 4°10'35 | 11♌18 | 23°50 | 8°19 | 9°11 | 16° 3 | 18°51 | 19°32 | 7°23 | 23°14 | 27°21 | 25°37 | 0°18 | 8°22 |
| W23 | 4 23 1 | 5°11'43 | 23°16 | 24°16 | 9°34 | 9°39 | 16° 0 | 18°57 | 19°36 | 7°25 | 23°15 | 27°R22 | 25°34 | 0°25 | 8°25 |
| T 24 | 4 26 57 | 6°12'52 | 5♌8 | 24°33 | 10°49 | 10° 7 | 15°58 | 19° 3 | 19°39 | 7°27 | 23°15 | 27°21 | 25°31 | 0°32 | 8°29 |
| F 25 | 4 30 54 | 7°14'01 | 16°57 | 24°R40 | 12° 4 | 10°34 | 15°55 | 19° 8 | 19°43 | 7°29 | 23°16 | 27°19 | 25°27 | 0°38 | 8°31 |
| S 26 | 4 34 50 | 8°15'11 | 28°45 | 24°37 | 13°19 | 11° 1 | 15°53 | 19°14 | 19°47 | 7°31 | 23°16 | 27°15 | 25°24 | 0°45 | 8°34 |
| S 27 | 4 38 47 | 9°16'22 | 10♌34 | 24°22 | 14°34 | 11°28 | 15°50 | 19°20 | 19°50 | 7°33 | 23°17 | 27° 9 | 25°21 | 0°52 | 8°37 |
| M28 | 4 42 44 | 10°17'33 | 22°27 | 23°56 | 15°49 | 11°55 | 15°49 | 19°27 | 19°54 | 7°35 | 23°17 | 27° 1 | 25°18 | 0°58 | 8°40 |
| T 29 | 4 46 40 | 11°18'45 | 4♌25 | 23°18 | 17° 4 | 12°21 | 15°47 | 19°33 | 19°57 | 7°37 | 23°18 | 26°52 | 25°15 | 1° 5 | 8°42 |
| W30 | 4 50 37 | 12♌19'57 | 16♌29 | 22♌29 | 18♌19 | 12♌47 | 15°Y45 | 19♌39 | 20♌1 | 7♌39 | 23♌19 | 26°Y43 | 25°Y11 | 1♌12 | 8♌44 |

Delta T = 47m37s

Julian Calendar 1 Nov. 813 == Greg. Calendar 5 Nov. 813

DECEMBER 813 C.E.JC

00:00 UT

| Day | Sid.t | ☉ | ☽ | ♀ | ♁ | ♂ | ♃ | ♅ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ | ♁ |
|------|---------|----------|-------|--------|-------|-------|--------|-------|-------|------|-------|--------|--------|------|-------|
| T 1 | 4 54 33 | 13♌21'09 | 28♌41 | 21°R29 | 19♌34 | 13♌13 | 15°R44 | 19♌45 | 20♌4 | 7♌40 | 23♌19 | 26°R34 | 25°Y 8 | 1♌18 | 8♌47 |
| F 2 | 4 58 30 | 14°22'21 | 11♌3 | 20♌21 | 20°49 | 13°39 | 15°Y43 | 19°51 | 20° 8 | 7°42 | 23°20 | 26°Y28 | 25° 5 | 1°25 | 8°49 |
| S 3 | 5 2 26 | 15°23'34 | 23°39 | 19° 5 | 22° 4 | 14° 5 | 15°42 | 19°58 | 20°12 | 7°44 | 23°21 | 26°23 | 25° 2 | 1°32 | 8°51 |
| S 4 | 5 6 23 | 16°24'46 | 6♌30 | 17°45 | 23°19 | 14°30 | 15°41 | 20° 4 | 20°15 | 7°46 | 23°22 | 26°20 | 24°59 | 1°39 | 8°53 |
| M 5 | 5 10 20 | 17°25'58 | 19°40 | 16°23 | 24°34 | 14°55 | 15°41 | 20°10 | 20°19 | 7°48 | 23°22 | 26°D20 | 24°56 | 1°45 | 8°54 |
| T 6 | 5 14 16 | 18°27'10 | 3°Y13 | 15° 1 | 25°49 | 15°20 | 15°40 | 20°17 | 20°22 | 7°50 | 23°23 | 26°21 | 24°52 | 1°52 | 8°56 |
| W 7 | 5 18 13 | 19°28'22 | 17°11 | 13°44 | 27° 4 | 15°44 | 15°D40 | 20°23 | 20°26 | 7°52 | 23°24 | 26°22 | 24°49 | 1°59 | 8°58 |
| T 8 | 5 22 9 | 20°29'34 | 1♌33 | 12°31 | 28°19 | 16° 8 | 15°41 | 20°30 | 20°30 | 7°53 | 23°25 | 26°R22 | 24°46 | 2° 5 | 8°59 |
| F 9 | 5 26 6 | 21°30'46 | 16°18 | 11°27 | 29°34 | 16°32 | 15°41 | 20°36 | 20°33 | 7°55 | 23°26 | 26°20 | 24°43 | 2°12 | 9° 0 |
| S 10 | 5 30 2 | 22°31'58 | 1♌21 | 10°31 | 0♌50 | 16°56 | 15°41 | 20°43 | 20°37 | 7°57 | 23°27 | 26°16 | 24°40 | 2°19 | 9° 2 |
| S 11 | 5 33 59 | 23°33'09 | 16°34 | 9°46 | 2° 5 | 17°19 | 15°42 | 20°49 | 20°40 | 7°59 | 23°28 | 26° 9 | 24°37 | 2°25 | 9° 3 |
| M12 | 5 37 55 | 24°34'21 | 1♌48 | 9°10 | 3°20 | 17°42 | 15°43 | 20°56 | 20°44 | 8° 0 | 23°29 | 26° 1 | 24°33 | 2°32 | 9° 4 |
| T 13 | 5 41 52 | 25°35'32 | 16°50 | 8°45 | 4°35 | 18° 5 | 15°44 | 21° 3 | 20°48 | 8° 2 | 23°30 | 25°51 | 24°30 | 2°39 | 9° 5 |
| W14 | 5 45 49 | 26°36'44 | 1♌31 | 8°30 | 5°50 | 18°27 | 15°46 | 21° 9 | 20°51 | 8° 4 | 23°31 | 25°42 | 24°27 | 2°45 | 9° 5 |
| T 15 | 5 49 45 | 27°37'55 | 15°46 | 8°D24 | 7° 5 | 18°49 | 15°47 | 21°16 | 20°55 | 8° 5 | 23°32 | 25°33 | 24°24 | 2°52 | 9° 6 |
| F 16 | 5 53 42 | 28°39'07 | 29°31 | 8°28 | 8°20 | 19°11 | 15°49 | 21°23 | 20°58 | 8° 7 | 23°33 | 25°27 | 24°21 | 2°59 | 9° 6 |
| S 17 | 5 57 38 | 29°40'18 | 12♌45 | 8°40 | 9°35 | 19°32 | 15°51 | 21°30 | 21° 2 | 8° 9 | 23°34 | 25°24 | 24°17 | 3° 5 | 9° 7 |
| S 18 | 6 1 35 | 0♌41'29 | 25°33 | 8°59 | 10°51 | 19°53 | 15°53 | 21°37 | 21° 6 | 8°10 | 23°35 | 25°D22 | 24°14 | 3°12 | 9° 7 |
| M19 | 6 5 31 | 1°42'41 | 7♌58 | 9°26 | 12° 6 | 20°14 | 15°56 | 21°44 | 21° 9 | 8°12 | 23°36 | 25°22 | 24°11 | 3°19 | 9° 7 |
| T 20 | 6 9 28 | 2°43'52 | 20° 6 | 9°58 | 13°21 | 20°35 | 15°58 | 21°50 | 21°13 | 8°13 | 23°37 | 25°R23 | 24° 8 | 3°25 | 9°R 7 |
| W21 | 6 13 24 | 3°45'03 | 2♌2 | 10°37 | 14°36 | 20°55 | 16° 1 | 21°57 | 21°16 | 8°15 | 23°38 | 25°23 | 24° 5 | 3°32 | 9° 7 |
| T 22 | 6 17 21 | 4°46'14 | 13°51 | 11°20 | 15°51 | 21°14 | 16° 4 | 22° 4 | 21°20 | 8°16 | 23°39 | 25°21 | 24° 2 | 3°39 | 9° 7 |
| F 23 | 6 21 18 | 5°47'25 | 25°38 | 12° 8 | 17° 7 | 21°33 | 16° 7 | 22°11 | 21°23 | 8°17 | 23°40 | 25°16 | 23°58 | 3°45 | 9° 6 |
| S 24 | 6 25 14 | 6°48'35 | 7♌26 | 13° 0 | 18°22 | 21°52 | 16°11 | 22°18 | 21°27 | 8°19 | 23°42 | 25° 9 | 23°55 | 3°52 | 9° 6 |
| S 25 | 6 29 11 | 7°49'45 | 19°19 | 13°56 | 19°37 | 22°11 | 16°14 | 22°25 | 21°30 | 8°20 | 23°43 | 24°59 | 23°52 | 3°59 | 9° 5 |
| M26 | 6 33 7 | 8°50'55 | 1♌18 | 14°55 | 20°52 | 22°29 | 16°18 | 22°32 | 21°34 | 8°22 | 23°44 | 24°47 | 23°49 | 4° 5 | 9° 5 |
| T 27 | 6 37 4 | 9°52'04 | 13°26 | 15°58 | 22° 7 | 22°46 | 16°22 | 22°39 | 21°37 | 8°23 | 23°45 | 24°33 | 23°46 | 4°12 | 9° 4 |
| W28 | 6 41 0 | 10°53'12 | 25°42 | 17° 2 | 23°22 | 23° 4 | 16°26 | 22°46 | 21°41 | 8°24 | 23°46 | 24°18 | 23°43 | 4°19 | 9° 3 |
| T 29 | 6 44 57 | 11°54'20 | 8♌8 | 18°10 | 24°38 | 23°20 | 16°31 | 22°53 | 21°44 | 8°25 | 23°48 | 24° 5 | 23°39 | 4°25 | 9° 2 |
| F 30 | 6 48 54 | 12°55'26 | 20°44 | 19°19 | 25°53 | 23°37 | 16°35 | 23° 1 | 21°48 | 8°27 | 23°49 | 23°54 | 23°36 | 4°32 | 9° 1 |
| S 31 | 6 52 50 | 13♌56'32 | 3♌30 | 20♌30 | 27♌8 | 23♌52 | 16°Y40 | 23♌8 | 21♌51 | 8♌28 | 23♌50 | 23°Y45 | 23°Y33 | 4♌39 | 8♌59 |

Delta T = 47m37s

Julian Calendar

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