

SWISS EPHEMERIS for the year 1577

JANUARY 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	7 21 4	20°34'55"	21°38'	28°17'	14°22'	3°32'	13°R19	5°31'	28°27'	5°R12	27°34'	26°R 8	25°Y46	2°X50	18°H 9
W 2	7 25 1	21°47'00"	16°24'	29°33'	15°17'	4°13'	13°M16	5°38'	28°31'	5°E10	27°34'	26°Y 1	25°43'	2°56'	18°11
T 3	7 28 58	22°48'05"	0°37'	0°35'	16°32'	4°53'	13°13'	5°45'	28°34'	5° 8	27°35'	25°52'	25°40'	3° 3	18°14
F 4	7 32 54	23°49'08"	15°16'	2°10'	17°46'	5°34'	13°10'	5°51'	28°38'	5° 7	27°36'	25°40'	25°37'	3°10'	18°16
S 5	7 36 51	24°50'11"	0°12'	3°30'	19° 1	6°15'	13° 7	5°58'	28°41'	5° 5	27°37'	25°28'	25°34'	3°16'	18°19
S 6	7 40 47	25°51'14"	15°17'	4°52'	20°16'	6°56'	13° 4	6° 5	28°45'	5° 4	27°37'	25°17'	25°31'	3°23'	18°21
M 7	7 44 44	26°52'15"	0°19'	6°14'	21°30'	7°37'	13° 0	6°12'	28°48'	5° 2	27°38'	25° 7	25°27'	3°30'	18°24
T 8	7 48 40	27°53'16"	15°11'	7°38'	22°45'	8°17'	12°57'	6°19'	28°52'	5° 1	27°39'	25° 0	25°24'	3°37'	18°26
W 9	7 52 37	28°54'17"	29°44'	9° 2	23°59'	8°58'	12°53'	6°25'	28°55'	4°59	27°40'	24°56'	25°21'	3°43'	18°29
T 10	7 56 33	29°55'16"	13°15'	10°28'	25°14'	9°39'	12°49'	6°32'	28°59'	4°58	27°41'	24°55'	25°18'	3°50'	18°32
F 11	8 0 30	0°56'16"	27°47'	11°54'	26°28'	10°20'	12°45'	6°39'	29° 3	4°56	27°42'	24°55'	25°15'	3°57'	18°34
S 12	8 4 27	1°57'14"	11°16'	13°21'	27°43'	11° 1	12°40'	6°45'	29° 6	4°55	27°43'	24°54'	25°12'	4° 3	18°37
S 13	8 8 23	2°58'12"	24°27'	14°49'	28°57'	11°42'	12°36'	6°52'	29°10'	4°53	27°44'	24°53'	25° 8	4°10'	18°40
M 14	8 12 20	3°59'10"	7°21'	16°18'	0°12'	12°22'	12°31'	6°58'	29°13'	4°52	27°45'	24°49'	25° 5	4°17'	18°43
T 15	8 16 16	5° 0'06"	20° 2	17°47'	1°26'	13° 3	12°26'	7° 5	29°17'	4°50	27°46'	24°42'	25° 2	4°23'	18°46
W 16	8 20 13	6° 1'02"	2°32'	19°18'	2°40'	13°44'	12°21'	7°11'	29°20'	4°49	27°47'	24°33'	24°59'	4°30'	18°49
T 17	8 24 9	7° 1'57"	14°53'	20°49'	3°55'	14°25'	12°16'	7°18'	29°24'	4°47	27°48'	24°20'	24°56'	4°37'	18°52
F 18	8 28 6	8° 2'51"	27° 5	22°20'	5° 9	15° 6	12°11'	7°24'	29°27'	4°46	27°49'	24° 6	24°52'	4°43'	18°55
S 19	8 32 2	9° 3'43"	9°10'	23°53'	6°23'	15°46'	12° 5	7°31'	29°31'	4°45	27°50'	23°52'	24°49'	4°50'	18°58
S 20	8 35 59	10° 4'35"	21° 8	25°26'	7°37'	16°27'	12° 0	7°37'	29°34'	4°43	27°51'	23°38'	24°46'	4°57'	19° 1
M 21	8 39 56	11° 5'25"	3°H 0	27° 0	8°52'	17° 8	11°54'	7°43'	29°38'	4°42	27°52'	23°26'	24°43'	5° 4	19° 4
T 22	8 43 52	12° 6'14"	14°50'	28°35'	10° 6	17°49'	11°48'	7°50'	29°41'	4°41	27°53'	23°17'	24°40'	5°10'	19° 7
W 23	8 47 49	13° 7'01"	26°38'	0°10'	11°20'	18°29'	11°42'	7°56'	29°44'	4°40	27°54'	23°11'	24°37'	5°17'	19°10
T 24	8 51 45	14° 7'47"	8°Y27	1°47'	12°34'	19°10'	11°36'	8° 2	29°48'	4°38	27°55'	23° 8	24°33'	5°24'	19°13
F 25	8 55 42	15° 8'31"	20°23'	3°24'	13°48'	19°51'	11°30'	8° 8	29°51'	4°37	27°56'	23°D 7	24°30'	5°30'	19°17
S 26	8 59 38	16° 9'14"	2°30'	5° 2	15° 2	20°32'	11°23'	8°14'	29°55'	4°36	27°57'	23° 7	24°27'	5°37'	19°20
S 27	9 3 35	17° 9'55"	14°53'	6°41'	16°16'	21°12'	11°17'	8°20'	29°58'	4°35	27°58'	23°R 7	24°24'	5°44'	19°23
M 28	9 7 31	18°10'34"	27°36'	8°20'	17°30'	21°53'	11°10'	8°26'	0°2	4°34	28° 0	23° 7	24°21'	5°50'	19°27
T 29	9 11 28	19°11'12"	10°II46	10° 1	18°43'	22°34'	11° 3	8°32'	0° 5	4°32	28° 1	23° 5	24°18'	5°57'	19°30
W 30	9 15 25	20°11'48"	24°25'	11°42'	19°57'	23°14'	10°56'	8°38'	0° 8	4°31	28° 2	23° 0	24°14'	6° 4	19°33
T 31	9 19 21	21°12'22"	8°E34	13°24'	21°H11	23°Y55	10°M49	8°Z44	0°12	4°30	28°H 3	22°Y53	24°Y11	6°H10	19°H37

Delta T = 120.37 sec. Julian Calendar 1 Jan. 1577 == Greg. Calendar 11 Jan. 1577

FEBRUARY 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
F 1	9 23 18	22°12'55"	23°E11	15°22'	22°H24	24°Y36	10°R42	8°Z50	0°15	4°R29	28°H 5	22°R45	24°Y 8	6°H17	19°H40
S 2	9 27 14	23°13'26"	8°L12	16°51'	23°38'	25°16'	10°M35	8°55'	0°18	4°E28	28° 6	22°Y35	24° 5	6°24'	19°43
S 3	9 31 11	24°13'55"	23°27'	18°36'	24°52'	25°57'	10°28'	9° 1	0°22	4°27	28° 7	22°26'	24° 2	6°31'	19°47
M 4	9 35 7	25°14'22"	8°M45	20°22'	26° 5	26°38'	10°21'	9° 7	0°25	4°26	28° 8	22°18'	23°58'	6°37'	19°50
T 5	9 39 4	26°14'48"	23°55'	22° 9	27°19'	27°18'	10°13'	9°12'	0°28	4°25	28°10'	22°13'	23°55'	6°44'	19°54
W 6	9 43 0	27°15'13"	8°L49	23°56'	28°32'	27°59'	10° 6	9°18'	0°31	4°24	28°11'	22°10'	23°52'	6°51'	19°57
T 7	9 46 57	28°15'35"	23°19'	25°45'	29°45'	28°39'	9°58'	9°23'	0°35	4°24	28°12'	22°D 9	23°49'	6°57'	20° 1
F 8	9 50 54	29°15'57"	7°M22	27°35'	0°Y58	29°20'	9°51'	9°29'	0°38	4°23	28°14'	22°10'	23°46'	7° 4	20° 4
S 9	9 54 50	0°H16'17"	20°59'	29°25'	2°12'	0°Z 0	9°43'	9°34'	0°41	4°22	28°15'	22°11'	23°43'	7°11'	20° 8
S 10	9 58 47	1°16'36"	4°L12	1°H17	3°25'	0°41'	9°36'	9°39'	0°44	4°21	28°16'	22°R11	23°39'	7°17'	20°11
M 11	10 2 43	2°16'53"	17° 4	3° 9	4°38'	1°21'	9°28'	9°44'	0°47	4°20	28°18'	22°10'	23°36'	7°24'	20°15
T 12	10 6 40	3°17'09"	29°39'	5° 2	5°51'	2° 2	9°20'	9°50'	0°50	4°20	28°19'	22° 7	23°33'	7°31'	20°19
W 13	10 10 36	4°17'23"	11°Z59	6°56'	7° 4	2°42'	9°12'	9°55'	0°54	4°19	28°20'	22° 1	23°30'	7°37'	20°22
T 14	10 14 33	5°17'36"	24° 8	8°50'	8°17'	3°22'	9° 5	10° 0	0°57	4°18	28°22'	21°54'	23°27'	7°44'	20°26
F 15	10 18 29	6°17'47"	6°L10	10°45'	9°30'	4° 3	8°57'	10° 5	1° 0	4°18	28°23'	21°45'	23°24'	7°51'	20°30
S 16	10 22 26	7°17'56"	18° 6	12°41'	10°42'	4°43'	8°49'	10° 9	1° 3	4°17	28°25'	21°36'	23°20'	7°57'	20°33
S 17	10 26 23	8°18'04"	29°58'	14°37'	11°55'	5°23'	8°41'	10°14'	1° 6	4°17	28°26'	21°28'	23°17'	8° 4	20°37
M 18	10 30 19	9°18'10"	11°H47	16°33'	13° 8	6° 4	8°33'	10°19'	1° 9	4°16	28°27'	21°20'	23°14'	8°11'	20°41
T 19	10 34 16	10°18'13"	23°37'	18°30'	14°20'	6°44'	8°25'	10°24'	1°12	4°16	28°29'	21°15'	23°11'	8°17'	20°44
W 20	10 38 12	11°18'15"	5°Y27	20°26'	15°33'	7°24'	8°18'	10°28'	1°14	4°15	28°30'	21°11'	23° 8	8°24'	20°48
T 21	10 42 9	12°18'15"	17°22'	22°21'	16°45'	8° 5	8°10'	10°33'	1°17	4°15	28°32'	21°D10	23° 4	8°31'	20°52
F 22	10 46 5	13°18'12"	29°23'	24°16'	17°58'	8°45'	8° 2	10°37'	1°20	4°14	28°33'	21°10'	23° 1	8°38'	20°55
S 23	10 50 2	14°18'08"	11°Z33	26° 9	19°10'	9°25'	7°54'	10°41'	1°23	4°14	28°34'	21°11'	22°58'	8°44'	20°59
S 24	10 53 58	15°18'01"	23°58'	28° 1	20°22'	10° 5	7°46'	10°46'	1°26	4°14	28°36'	21°13'	22°55'	8°51'	21° 3
M 25	10 57 55	16°17'52"	6°II41	29°52'	21°34'	10°46'	7°39'	10°50'	1°28	4°13	28°37'	21°14'	22°52'	8°58'	21° 7
T 26	11 1 52	17°17'41"	19°46'	1°Y39	22°46'	11°26'	7°31'	10°54'	1°31	4°13	28°39'	21°R15	22°49'	9° 4	21°10
W 27	11 5 48	18°17'28"	3°E16	3°24'	23°58'	12° 6	7°23'	10°58'	1°34	4°13	28°40'	21°14'	22°45'	9°11'	21°14
T 28	11 9 45	19°H17'12"	17°E13	5°Y 6	25°Y10	12°Z46	7°M16	11°Z 2	1°37	4°13	28°H42	21°Y11	22°Y42	9°H18	21°H18

Delta T = 120.32 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodiens AG [10.1.2003]

SWISS EPHEMERIS for the year 1577

MARCH 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
F 1	11 13 41	20 ^h 16'54"	1 ^h 03'38"	6 ^h 44'	26 ^h 22'	13 ^h 26'	7°R 8	11 ^h 03' 6	1 ^h 39'	4°R12	28 ^h 43'	21°R 8	22 ^h 39'	9 ^h 24'	21 ^h 22'										
S 2	11 17 38	21°16'34"	16°26'	8°17'	27°33'	14° 6'	7 ^h 11' 1	11°10'	1°42'	4 ^h 52'	28°45'	21°4'	22°36'	9°31'	21°25'										
S 3	11 21 34	22°16'12"	1 ^h 31'	9°46'	28°45'	14°46'	6°54'	11°14'	1°44'	4°12'	28°46'	20°59'	22°33'	9°38'	21°29'										
M 4	11 25 31	23°15'47"	16°46'	11°10'	29°56'	15°26'	6°46'	11°17'	1°47'	4°12'	28°48'	20°56'	22°29'	9°44'	21°33'										
T 5	11 29 27	24°15'20"	1 ^h 58'	12°28'	1 ^h 8'	16° 6'	6°39'	11°21'	1°49'	4°12'	28°49'	20°53'	22°26'	9°51'	21°36'										
W 6	11 33 24	25°14'51"	17° 0'	13°40'	2°19'	16°46'	6°32'	11°24'	1°52'	4°D12	28°51'	20°D52	22°23'	9°58'	21°40'										
T 7	11 37 21	26°14'21"	1 ^h 41'	14°45'	3°30'	17°26'	6°25'	11°28'	1°54'	4°12'	28°52'	20°53'	22°20'	10° 4'	21°44'										
F 8	11 41 17	27°13'48"	15°58'	15°44'	4°41'	18° 6'	6°18'	11°31'	1°56'	4°12'	28°54'	20°54'	22°17'	10°11'	21°48'										
S 9	11 45 14	28°13'14"	29°47'	16°36'	5°52'	18°46'	6°11'	11°34'	1°59'	4°12'	28°55'	20°55'	22°14'	10°18'	21°51'										
S 10	11 49 10	29°12'38"	13 ^h 10'	17°21'	7° 3'	19°26'	6° 4'	11°37'	2° 1'	4°12'	28°57'	20°57'	22°10'	10°24'	21°55'										
M11	11 53 7	0 ^h 12'00"	26° 7'	17°58'	8°14'	20° 6'	5°58'	11°40'	2° 3'	4°13'	28°58'	20°R57	22° 7'	10°31'	21°59'										
T12	11 57 3	1°11'21"	8 ^h 44'	18°28'	9°25'	20°46'	5°51'	11°43'	2° 6'	4°13'	29° 0'	20°57'	22° 4'	10°38'	22° 3'										
W13	12 1 0	2°10'39"	21° 3'	18°51'	10°35'	21°26'	5°45'	11°46'	2° 8'	4°13'	29° 1'	20°56'	22° 1'	10°44'	22° 6'										
T14	12 4 56	3° 9'56"	3 ^h 8'	19° 5'	11°46'	22° 5'	5°39'	11°49'	2°10'	4°13'	29° 3'	20°54'	21°58'	10°51'	22°10'										
F15	12 8 53	4° 9'11"	15° 5'	19°13'	12°56'	22°45'	5°32'	11°52'	2°12'	4°14'	29° 4'	20°52'	21°55'	10°58'	22°14'										
S16	12 12 50	5° 8'24"	26°56'	19°R13	14° 6'	23°25'	5°26'	11°54'	2°14'	4°14'	29° 6'	20°49'	21°51'	11° 5'	22°17'										
S17	12 16 46	6° 7'35"	8 ^h 45'	19° 6'	15°17'	24° 5'	5°20'	11°57'	2°16'	4°14'	29° 7'	20°47'	21°48'	11°11'	22°21'										
M18	12 20 43	7° 6'44"	20°34'	18°53'	16°27'	24°44'	5°15'	11°59'	2°18'	4°15'	29° 9'	20°45'	21°45'	11°18'	22°25'										
T19	12 24 39	8° 5'51"	2 ^h 26'	18°33'	17°36'	25°24'	5° 9'	12° 2'	2°20'	4°15'	29°10'	20°44'	21°42'	11°25'	22°28'										
W20	12 28 36	9° 4'56"	14°23'	18° 7'	18°46'	26° 4'	5° 3'	12° 4'	2°22'	4°16'	29°12'	20°43'	21°39'	11°31'	22°32'										
T21	12 32 32	10° 3'59"	26°27'	17°36'	19°56'	26°43'	4°58'	12° 6'	2°24'	4°16'	29°13'	20°D43	21°35'	11°38'	22°35'										
F22	12 36 29	11° 3'00"	8 ^h 39'	17° 1'	21° 5'	27°23'	4°53'	12° 8'	2°25'	4°17'	29°14'	20°43'	21°32'	11°45'	22°39'										
S23	12 40 25	12° 1'59"	21° 2'	16°22'	22°15'	28° 3'	4°48'	12°10'	2°27'	4°17'	29°16'	20°44'	21°29'	11°51'	22°43'										
S24	12 44 22	13° 0'55"	3 ^h 38'	15°40'	23°24'	28°42'	4°43'	12°12'	2°29'	4°18'	29°17'	20°45'	21°26'	11°58'	22°46'										
M25	12 48 18	13°59'50"	16°29'	14°55'	24°33'	29°22'	4°38'	12°14'	2°30'	4°18'	29°19'	20°46'	21°23'	12° 5'	22°50'										
T26	12 52 15	14°58'42"	29°38'	14°10'	25°42'	0 ^h 11'	4°34'	12°15'	2°32'	4°19'	29°20'	20°46'	21°20'	12°11'	22°53'										
W27	12 56 12	15°57'32"	13 ^h 56'	13°24'	26°51'	0°41'	4°29'	12°17'	2°34'	4°20'	29°22'	20°R46	21°16'	12°18'	22°57'										
T28	13 0 8	16°56'19"	26°55'	12°39'	28° 0'	1°20'	4°25'	12°18'	2°35'	4°21'	29°23'	20°46'	21°13'	12°25'	23° 0'										
F29	13 4 5	17°55'04"	11 ^h 05'	11°55'	29° 8'	2° 0'	4°21'	12°20'	2°37'	4°21'	29°25'	20°46'	21°10'	12°31'	23° 4'										
S30	13 8 1	18°53'47"	25°34'	11°13'	0 ^h 17'	2°39'	4°17'	12°21'	2°38'	4°22'	29°26'	20°46'	21° 7'	12°38'	23° 7'										
S31	13 11 58	19 ^h 52'28"	10 ^h 19'	10 ^h 34'	1 ^h 25'	3 ^h 19'	4 ^h 13'	12 ^h 22'	2 ^h 39'	4 ^h 23'	29 ^h 27'	20 ^h 46'	21 ^h 4'	12 ^h 45'	23 ^h 11'										

Delta T = 120.27 sec.

Julian Calendar 1 March 1577 == Greg. Calendar 11 March 1577

APRIL 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓		
M 1	13 15 54	20 ^h 51'06"	25 ^h 13'	9°R59	2 ^h 33'	3 ^h 58'	4°R10	12 ^h 23'	2 ^h 41'	4 ^h 24'	29 ^h 29'	20°46'	21°4'	12 ^h 51'	23 ^h 14'										
T 2	13 19 51	21°49'42"	10 ^h 10'	9 ^h 27'	3°41'	4°38'	4 ^h 11' 6	12°24'	2°42'	4°25'	29°30'	20°46'	20°57'	12°58'	23°17'										
W 3	13 23 47	22°48'16"	25° 2'	8°59'	4°49'	5°17'	4° 3'	12°25'	2°43'	4°26'	29°32'	20°R46	20°54'	13° 5'	23°21'										
T 4	13 27 44	23°46'49"	9 ^h 40'	8°36'	5°57'	5°56'	4° 0'	12°26'	2°45'	4°27'	29°33'	20°46'	20°51'	13°11'	23°24'										
F 5	13 31 41	24°45'19"	23°59'	8°18'	7° 4'	6°36'	3°57'	12°27'	2°46'	4°28'	29°34'	20°45'	20°48'	13°18'	23°27'										
S 6	13 35 37	25°43'48"	7 ^h 54'	8° 5'	8°11'	7°15'	3°54'	12°27'	2°47'	4°29'	29°36'	20°45'	20°45'	13°25'	23°31'										
S 7	13 39 34	26°42'15"	21°24'	7°57'	9°18'	7°54'	3°52'	12°28'	2°48'	4°30'	29°37'	20°44'	20°41'	13°31'	23°34'										
M 8	13 43 30	27°40'40"	4 ^h 28'	7°D54	10°25'	8°33'	3°49'	12°28'	2°49'	4°31'	29°38'	20°44'	20°38'	13°38'	23°37'										
T 9	13 47 27	28°39'04"	17°10'	7°55'	11°32'	9°13'	3°47'	12°29'	2°50'	4°32'	29°40'	20°43'	20°35'	13°45'	23°40'										
W10	13 51 23	29°37'27"	29°32'	8° 2'	12°38'	9°52'	3°45'	12°29'	2°51'	4°33'	29°41'	20°D43	20°32'	13°51'	23°44'										
T11	13 55 20	0 ^h 35'47"	11 ^h 39'	8°14'	13°45'	10°31'	3°43'	12°29'	2°52'	4°34'	29°42'	20°43'	20°29'	13°58'	23°47'										
F12	13 59 17	1°34'06"	23°35'	8°30'	14°51'	11°10'	3°42'	12°R29	2°52'	4°35'	29°44'	20°44'	20°26'	14° 5'	23°50'										
S13	14 3 13	2°32'23"	5 ^h 26'	8°51'	15°57'	11°49'	3°40'	12°29'	2°53'	4°37'	29°45'	20°45'	20°22'	14°11'	23°53'										
S14	14 7 10	3°30'39"	17°14'	9°17'	17° 2'	12°28'	3°39'	12°29'	2°54'	4°38'	29°46'	20°46'	20°19'	14°18'	23°56'										
M15	14 11 6	4°28'53"	29° 5'	9°46'	18° 8'	13° 7'	3°38'	12°28'	2°54'	4°39'	29°48'	20°47'	20°16'	14°25'	23°59'										
T16	14 15 3	5°27'06"	11 ^h 12'	10°20'	19°13'	13°47'	3°37'	12°28'	2°55'	4°40'	29°49'	20°48'	20°13'	14°31'	24° 2'										
W17	14 18 59	6°25'17"	23° 7'	10°58'	20°18'	14°26'	3°36'	12°28'	2°56'	4°42'	29°50'	20°R48	20°10'	14°38'	24° 5'										
T18	14 22 56	7°23'26"	5 ^h 23'	11°39'	21°23'																				

SWISS EPHEMERIS for the year 1577

MAY 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄
W 1	15 14 11	19♂56'44	3♁38	25♀25	5♁ 2	23♁30	3♁46	12°R11	2°R58	5♁ 3	0♀ 6	20°R36	19♀25	16♁11	24♁43
T 2	15 18 8	20°54'29	17°59	26°48	6° 2	24° 9	3°48	12♁ 9	2♁58	5° 5	0° 7	20♀34	19°22	16°18	24°45
F 3	15 22 4	21°52'12	2♁ 6	28°13	7° 3	24°48	3°50	12° 7	2°58	5° 6	0° 8	20°31	19°19	16°25	24°48
S 4	15 26 1	22°49'54	15°54	29°40	8° 3	25°27	3°52	12° 5	2°57	5° 8	0° 9	20°26	19°16	16°31	24°50
S 5	15 29 57	23°47'35	29°22	1♁ 9	9° 3	26° 5	3°55	12° 3	2°57	5°10	0°10	20°21	19°12	16°38	24°52
M 6	15 33 54	24°45'14	12♁27	2°41	10° 2	26°44	3°58	12° 1	2°57	5°12	0°11	20°16	19° 9	16°45	24°55
T 7	15 37 50	25°42'53	25°11	4°15	11° 1	27°23	4° 0	11°59	2°56	5°13	0°12	20°11	19° 6	16°51	24°57
W 8	15 41 47	26°40'30	7♁35	5°52	11°59	28° 1	4° 4	11°56	2°56	5°15	0°13	20° 8	19° 3	16°58	24°59
T 9	15 45 44	27°38'07	19°44	7°31	12°57	28°40	4° 7	11°54	2°55	5°17	0°14	20° 6	19° 0	17° 5	25° 1
F 10	15 49 40	28°35'42	1♁41	9°12	13°55	29°19	4°10	11°51	2°55	5°19	0°15	20°D 6	18°57	17°12	25° 3
S 11	15 53 37	29°33'16	13°32	10°55	14°52	29°57	4°14	11°49	2°54	5°21	0°16	20° 7	18°53	17°18	25° 5
S 12	15 57 33	0♁30'50	25°21	12°41	15°49	0♁36	4°17	11°46	2°53	5°23	0°16	20° 8	18°50	17°25	25° 7
M13	16 1 30	1°28'22	7♀15	14°28	16°45	1°14	4°21	11°43	2°53	5°25	0°17	20°10	18°47	17°31	25° 9
T 14	16 5 26	2°25'54	19°16	16°19	17°41	1°53	4°25	11°40	2°52	5°27	0°18	20°R10	18°44	17°38	25°11
W15	16 9 23	3°23'25	1♁29	18°11	18°36	2°31	4°29	11°37	2°51	5°28	0°19	20°10	18°41	17°45	25°13
T 16	16 13 19	4°20'54	13°57	20° 6	19°31	3°10	4°34	11°34	2°50	5°30	0°20	20° 7	18°38	17°51	25°15
F 17	16 17 16	5°18'23	26°41	22° 2	20°25	3°49	4°38	11°31	2°49	5°32	0°20	20° 3	18°34	17°58	25°17
S 18	16 21 13	6°15'52	9♁44	24° 1	21°19	4°27	4°43	11°28	2°48	5°34	0°21	19°56	18°31	18° 5	25°18
S 19	16 25 9	7°13'19	23° 2	26° 2	22°12	5° 6	4°48	11°25	2°47	5°36	0°22	19°49	18°28	18°11	25°20
M20	16 29 6	8°10'45	6♁36	28° 5	23° 4	5°44	4°53	11°22	2°46	5°38	0°23	19°41	18°25	18°18	25°22
T 21	16 33 2	9° 8'10	20°22	0♁10	23°56	6°23	4°58	11°18	2°45	5°40	0°23	19°33	18°22	18°25	25°23
W22	16 36 59	10° 5'34	4♁18	2°16	24°47	7° 1	5° 3	11°15	2°44	5°42	0°24	19°27	18°18	18°31	25°25
T 23	16 40 55	11° 2'57	18°20	4°24	25°37	7°39	5° 9	11°12	2°43	5°45	0°25	19°23	18°15	18°38	25°26
F 24	16 44 52	12° 0'18	2♁27	6°33	26°27	8°18	5°14	11° 8	2°42	5°47	0°25	19°21	18°12	18°45	25°28
S 25	16 48 48	12°57'39	16°36	8°43	27°16	8°56	5°20	11° 5	2°41	5°49	0°26	19°D21	18° 9	18°51	25°29
S 26	16 52 45	13°54'58	0♁46	10°54	28° 4	9°35	5°26	11° 1	2°39	5°51	0°26	19°21	18° 6	18°58	25°30
M27	16 56 42	14°52'17	14°55	13° 6	28°52	10°13	5°32	10°57	2°38	5°53	0°27	19°R22	18° 3	19° 5	25°31
T 28	17 0 38	15°49'34	29° 3	15°17	29°38	10°51	5°38	10°53	2°37	5°55	0°27	19°22	17°59	19°11	25°33
W29	17 4 35	16°46'51	13♁ 6	17°29	0♁24	11°30	5°44	10°50	2°35	5°57	0°28	19°20	17°56	19°18	25°34
T 30	17 8 31	17°44'07	27° 1	19°41	1° 9	12° 8	5°51	10°46	2°34	5°59	0°28	19°15	17°53	19°25	25°35
F 31	17 12 28	18♁41'22	10♁46	21♁52	1♁53	12♁46	5♁57	10♁42	2♁32	6♁ 1	0♀29	19♀ 8	17♀50	19♁31	25♁36

Delta T = 120.18 sec. Julian Calendar 1 May 1577 == Greg. Calendar 11 May 1577

JUNE 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♁	♂	♃	♄
S 1	17 16 24	19♁38'36	24♁18	24♁ 3	2♁36	13♁25	6♁ 4	10°R38	2°R31	6♁ 4	0♀29	18°R59	17♀47	19♁38	25♁37
S 2	17 20 21	20°35'50	7♁33	26°12	3°18	14° 3	6°11	10♁34	2♁29	6° 6	0°30	18♀49	17°44	19°45	25°38
M 3	17 24 17	21°33'04	20°31	28°20	3°59	14°41	6°18	10°30	2°28	6° 8	0°30	18°38	17°40	19°51	25°39
T 4	17 28 14	22°30'17	3♁10	0♁27	4°39	15°20	6°25	10°26	2°26	6°10	0°31	18°29	17°37	19°58	25°40
W 5	17 32 11	23°27'30	15°32	2°32	5°17	15°58	6°32	10°22	2°24	6°12	0°31	18°21	17°34	20° 5	25°40
T 6	17 36 7	24°24'43	27°39	4°36	5°55	16°36	6°40	10°18	2°23	6°14	0°31	18°15	17°31	20°11	25°41
F 7	17 40 4	25°21'55	9♁36	6°38	6°31	17°14	6°47	10°14	2°21	6°17	0°32	18°12	17°28	20°18	25°42
S 8	17 44 0	26°19'08	21°27	8°38	7° 7	17°53	6°55	10° 9	2°19	6°19	0°32	18°D11	17°24	20°25	25°42
S 9	17 47 57	27°16'20	3♀16	10°36	7°40	18°31	7° 3	10° 5	2°17	6°21	0°32	18°11	17°21	20°31	25°43
M10	17 51 53	28°13'32	15°10	12°32	8°13	19° 9	7°10	10° 1	2°16	6°23	0°32	18°R11	17°18	20°38	25°44
T 11	17 55 50	29°10'45	27°13	14°25	8°44	19°47	7°18	9°57	2°14	6°25	0°33	18°11	17°15	20°45	25°44
W12	17 59 46	0♁ 7'57	9♁31	16°17	9°14	20°26	7°26	9°52	2°12	6°28	0°33	18° 9	17°12	20°51	25°44
T 13	18 3 43	1° 5'09	22° 7	18° 7	9°42	21° 4	7°35	9°48	2°10	6°30	0°33	18° 5	17° 9	20°58	25°45
F 14	18 7 40	2° 2'22	5♁ 5	19°54	10° 9	21°42	7°43	9°44	2° 8	6°32	0°33	17°58	17° 5	21° 5	25°45
S 15	18 11 36	2°59'34	18°24	21°40	10°34	22°20	7°51	9°39	2° 6	6°34	0°33	17°49	17° 2	21°11	25°45
S 16	18 15 33	3°56'47	2♁ 5	23°23	10°58	22°58	8° 0	9°35	2° 4	6°37	0°33	17°38	16°59	21°18	25°46
M17	18 19 29	4°53'59	16° 4	25° 4	11°20	23°37	8° 9	9°31	2° 2	6°39	0°34	17°27	16°56	21°25	25°46
T 18	18 23 26	5°51'12	0♁17	26°43	11°40	24°15	8°17	9°26	2° 0	6°41	0°34	17°16	16°53	21°31	25°46
W19	18 27 22	6°48'24	14°37	28°20	11°58	24°53	8°26	9°22	1°58	6°43	0°34	17° 7	16°50	21°38	25°R46
T 20	18 31 19	7°45'36	29° 0	29°55	12°14	25°31	8°35	9°17	1°56	6°46	0°34	17° 0	16°46	21°45	25°46
F 21	18 35 16	8°42'48	13♁21	1♁27	12°29	26° 9	8°44	9°13	1°54	6°48	0°R34	16°56	16°43	21°51	25°46
S 22	18 39 12	9°39'59	27°36	2°57	12°41	26°47	8°53	9° 9	1°51	6°50	0°34	16°55	16°40	21°58	25°46
S 23	18 43 9	10°37'11	11♁44	4°25	12°51	27°26	9° 3	9° 4	1°49	6°52	0°34	16°54	16°37	22° 5	25°45
M24	18 47 5	11°34'22	25°43	5°51	12°59	28° 4	9°12	9° 0	1°47	6°54	0°34	16°54	16°34	22°11	25°45
T 25	18 51 2	12°31'33	9♁33	7°15	13° 5	28°42	9°22	8°55	1°45	6°57	0°33	16°53	16°30	22°18	25°45
W26	18 54 58	13°28'44	23°15	8°36	13° 9	29°20	9°31	8°51	1°43	6°59	0°33	16°50	16°27	22°25	25°44
T 27	18 58 55	14°25'56	6♁46	9°55	13°R10	29°58	9°41	8°46	1°40	7° 1	0°33	16°44	16°24	22°31	25°44
F 28	19 2 51	15°23'07	20° 8	11°12	13° 9	0♁36	9°51	8°42	1°38	7° 3	0°33	16°35	16°21	22°38	25°44
S 29	19 6 48	16°20'19	3♁17	12°26	13° 6	1°14	10° 0	8°38	1°36	7° 6	0°33	16°24	16°18	22°45	25°43
S 30	19 10 45	17♁17'31	16♁14	13♁38	13♁ 0	1♁52	10♁10	8♁33	1♁34	7♁ 8	0♀33	16♀11	16♀15	22♁51	25♁42

Delta T = 120.13 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1577

JULY 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	19 14 41	18°14'43	28°57	14°47	12°R52	2°31	10°20	8°R29	1°R31	7°10	0°R33	15°R58	16°V11	22°K58	25°R42
T 2	19 18 38	19°11'56	11°25	15°53	12°42	3° 9	10°31	8°25	1°29	7°12	0°V32	15°Y46	16° 8	23° 5	25°K41
W 3	19 22 34	20° 9'09	23°40	16°57	12°29	3°47	10°41	8°21	1°27	7°14	0°32	15°36	16° 5	23°11	25°40
T 4	19 26 31	21° 6'23	5°K43	17°58	12°14	4°25	10°51	8°16	1°24	7°17	0°32	15°29	16° 2	23°18	25°40
F 5	19 30 27	22° 3'37	17°37	18°56	11°56	5° 3	11° 1	8°12	1°22	7°19	0°31	15°24	15°59	23°25	25°39
S 6	19 34 24	23° 0'53	29°26	19°51	11°36	5°41	11°12	8° 8	1°20	7°21	0°31	15°21	15°56	23°31	25°38
S 7	19 38 20	23°58'09	11°Y14	20°43	11°14	6°19	11°22	8° 4	1°17	7°23	0°31	15°D20	15°52	23°38	25°37
M 8	19 42 17	24°55'26	23° 7	21°31	10°50	6°57	11°33	8° 0	1°15	7°25	0°30	15°R20	15°49	23°45	25°36
T 9	19 46 14	25°52'44	5°R10	22°16	10°24	7°35	11°44	7°55	1°12	7°27	0°30	15°20	15°46	23°51	25°35
W10	19 50 10	26°50'03	17°29	22°58	9°56	8°13	11°54	7°51	1°10	7°29	0°30	15°18	15°43	23°58	25°34
T11	19 54 7	27°47'22	0°II 8	23°35	9°26	8°51	12° 5	7°47	1° 8	7°32	0°29	15°15	15°40	24° 5	25°33
F12	19 58 3	28°44'43	13°11	24° 9	8°54	9°30	12°16	7°43	1° 5	7°34	0°29	15° 9	15°36	24°11	25°32
S13	20 2 0	29°42'05	26°39	24°39	8°22	10° 8	12°27	7°39	1° 3	7°36	0°28	15° 0	15°33	24°18	25°30
S14	20 5 56	0°39'28	10°34	25° 5	7°47	10°46	12°38	7°36	1° 0	7°38	0°28	14°50	15°30	24°24	25°29
M15	20 9 53	1°36'52	24°52	25°26	7°12	11°24	12°49	7°32	0°58	7°40	0°27	14°39	15°27	24°31	25°28
T16	20 13 49	2°34'17	9°R27	25°42	6°36	12° 2	13° 0	7°28	0°56	7°42	0°27	14°29	15°24	24°38	25°26
W17	20 17 46	3°31'43	24°11	25°54	5°59	12°40	13°12	7°24	0°53	7°44	0°26	14°20	15°21	24°44	25°25
T18	20 21 43	4°29'09	8°R58	26° 0	5°22	13°18	13°23	7°20	0°51	7°46	0°26	14°14	15°17	24°51	25°23
F19	20 25 39	5°26'36	23°40	26°R 2	4°45	13°56	13°34	7°17	0°48	7°48	0°25	14°10	15°14	24°58	25°22
S20	20 29 36	6°24'04	8°R10	25°58	4° 8	14°34	13°46	7°13	0°46	7°50	0°25	14°D 9	15°11	25° 4	25°20
S21	20 33 32	7°21'32	22°26	25°49	3°31	15°12	13°57	7°10	0°44	7°52	0°24	14° 9	15° 8	25°11	25°19
M22	20 37 29	8°19'01	6°R27	25°35	2°54	15°51	14° 9	7° 6	0°41	7°54	0°23	14°R 9	15° 5	25°18	25°17
T23	20 41 25	9°16'32	20°11	25°15	2°19	16°29	14°21	7° 3	0°39	7°56	0°23	14° 8	15° 2	25°24	25°15
W24	20 45 22	10°14'02	3°R40	24°51	1°44	17° 7	14°32	7° 0	0°37	7°58	0°22	14° 6	14°58	25°31	25°14
T25	20 49 18	11°11'34	16°55	24°21	1°11	17°45	14°44	6°56	0°34	8° 0	0°21	14° 2	14°55	25°38	25°12
F26	20 53 15	12° 9'07	29°56	23°46	0°39	18°23	14°56	6°53	0°32	8° 2	0°21	13°54	14°52	25°44	25°10
S27	20 57 12	13° 6'41	12°R46	23° 7	0° 8	19° 1	15° 8	6°50	0°30	8° 4	0°20	13°45	14°49	25°51	25° 8
S28	21 1 8	14° 4'16	25°23	22°25	29°R39	19°39	15°20	6°47	0°27	8° 6	0°19	13°35	14°46	25°58	25° 6
M29	21 5 5	15° 1'51	7°R49	21°39	29°12	20°17	15°31	6°44	0°25	8° 8	0°18	13°24	14°42	26° 4	25° 4
T30	21 9 1	15°59'29	20° 4	20°50	28°47	20°55	15°43	6°41	0°23	8°10	0°18	13°14	14°39	26°11	25° 2
W31	21 12 58	16°57'07	2°K 9	20°R 0	28°R25	21°R34	15°R55	6°R38	0°R20	8°R11	0°V17	13°V 6	14°V36	26°K18	25°K 0

Delta T = 120.08 sec. Julian Calendar 1 July 1577 == Greg. Calendar 11 July 1577

AUGUST 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	21 16 54	17°54'46	14°K 6	19°R 9	28°R 4	22°R12	16°R 8	6°R35	0°R18	8°R13	0°R16	13°R 0	14°V33	26°K24	24°R58
F 2	21 20 51	18°52'28	25°56	18°R18	27°R46	22°50	16°20	6°R33	0°R16	8°15	0°V15	12°V56	14°30	26°31	24°K56
S 3	21 24 47	19°50'10	7°V43	17°28	27°30	23°28	16°32	6°30	0°14	8°17	0°14	12°D54	14°27	26°38	24°54
S 4	21 28 44	20°47'54	19°31	16°41	27°16	24° 6	16°44	6°27	0°11	8°19	0°13	12°54	14°23	26°44	24°52
M 5	21 32 41	21°45'40	1°R23	15°57	27° 5	24°44	16°56	6°25	0° 9	8°20	0°12	12°55	14°20	26°51	24°49
T 6	21 36 37	22°43'28	13°25	15°16	26°56	25°22	17° 9	6°23	0° 7	8°22	0°12	12°57	14°17	26°58	24°47
W 7	21 40 34	23°41'17	25°42	14°41	26°50	26° 1	17°21	6°20	0° 5	8°24	0°11	12°R57	14°14	27° 4	24°45
T 8	21 44 30	24°39'08	8°R19	14°12	26°46	26°39	17°33	6°18	0° 3	8°25	0°10	12°56	14°11	27°11	24°42
F 9	21 48 27	25°37'01	21°20	13°49	26°D45	27°17	17°46	6°16	0° 1	8°27	0° 9	12°53	14° 8	27°17	24°40
S10	21 52 23	26°34'56	4°R49	13°34	26°46	27°55	17°58	6°14	29°R59	8°29	0° 8	12°48	14° 4	27°24	24°38
S11	21 56 20	27°32'53	18°46	13°26	26°49	28°33	18°11	6°12	29°57	8°30	0° 7	12°42	14° 1	27°31	24°35
M12	22 0 16	28°30'51	3°R 9	13°D26	26°54	29°12	18°23	6°10	29°55	8°32	0° 6	12°35	13°58	27°37	24°33
T13	22 4 13	29°28'51	17°55	13°34	27° 2	29°50	18°36	6° 8	29°53	8°33	0° 5	12°29	13°55	27°44	24°30
W14	22 8 10	0°R26'53	2°R55	13°50	27°11	0°R28	18°48	6° 7	29°51	8°35	0° 4	12°23	13°52	27°51	24°28
T15	22 12 6	1°24'56	18° 1	14°15	27°23	1° 6	19° 1	6° 5	29°49	8°36	0° 3	12°19	13°48	27°57	24°25
F16	22 16 3	2°23'01	3°R 3	14°47	27°37	1°44	19°14	6° 4	29°47	8°38	0° 2	12°17	13°45	28° 4	24°23
S17	22 19 59	3°21'07	17°52	15°28	27°53	2°23	19°26	6° 2	29°45	8°39	0° 1	12°D17	13°42	28°11	24°20
S18	22 23 56	4°19'15	2°R24	16°17	28°11	3° 1	19°39	6° 1	29°43	8°41	0° 0	12°18	13°39	28°17	24°18
M19	22 27 52	5°17'24	16°35	17°13	28°31	3°39	19°52	6° 0	29°41	8°42	29°K59	12°20	13°36	28°24	24°15
T20	22 31 49	6°15'35	0°R24	18°16	28°52	4°17	20° 5	5°59	29°39	8°44	29°58	12°R21	13°33	28°31	24°12
W21	22 35 45	7°13'47	13°51	19°26	29°15	4°56	20°17	5°58	29°38	8°45	29°57	12°21	13°29	28°37	24°10
T22	22 39 42	8°12'01	26°58	20°42	29°40	5°34	20°30	5°57	29°36	8°46	29°56	12°19	13°26	28°44	24° 7
F23	22 43 39	9°10'16	9°R48	22° 4	0°R 7	6°12	20°43	5°56	29°34	8°48	29°55	12°16	13°23	28°51	24° 4
S24	22 47 35	10° 8'33	22°23	23°31	0°35	6°51	20°56	5°55	29°33	8°49	29°53	12°12	13°20	28°57	24° 2
S25	22 51 32	11° 6'52	4°R45	25° 3	1° 5	7°29	21° 9	5°54	29°31	8°50	29°52	12° 7	13°17	29° 4	23°59
M26	22 55 28	12° 5'12	16°57	26°39	1°36	8° 7	21°22	5°54	29°30	8°51	29°51	12° 1	13°14	29°11	23°56
T27	22 59 25	13° 3'33	29° 0	28°18	2° 8	8°46	21°34	5°53	29°28	8°53	29°50	11°56	13°10	29°17	23°53
W28	23 3 21	14° 1'57	10°K56	0°R 1	2°42	9°24	21°47	5°53	29°26	8°54	29°49	11°52	13° 7	29°24	23°51
T29	23 7 18	15° 0'22	22°47	1°46	3°18	10° 2	22° 0	5°53	29°25	8°55	29°48	11°50	13° 4	29°30	23°48
F30	23 11 14	15°58'50	4°V34	3°33	3°54	10°41	22°13	5°52	29°24	8°56	29°47	11°48	13° 1	29°37	23°45
S31	23 15 11	16°57'19	16°V22	5°R22	4°R32	11°R19	22°R26	5°D52	29°R22	8°R57	29°K46	11°D48	12°V58	29°K44	23°K42

Delta T = 120.03 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1577

SEPTEMBER 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	23 19 8	17 ^h 55'50	28 ^h 11'	7 ^h 12'	5 ^h 01'	11 ^h 57'	22 ^h 39'	5 ^h 52'	29 ^h R21	8 ^h 58'	29 ^h R44	11 ^h Y49	12 ^h Y54	29 ^h K50	23 ^h R39								
M 2	23 23 4	18°54'24	10 ^h 8'	9° 3'	5°51'	12°36'	22°52'	5°53'	29 ^h Z20	8°59'	29 ^h K43	11°50'	12°51'	29°57'	23 ^h K37								
T 3	23 27 1	19°52'59	22°10'	10°54'	6°33'	13°14'	23° 5'	5°53'	29°18'	9° 0'	29°42'	11°52'	12°48'	0 ^h Y 4	23°34'								
W 4	23 30 57	20°51'37	4 ^h II27	12°46'	7°15'	13°53'	23°18'	5°53'	29°17'	9° 1'	29°41'	11°53'	12°45'	0°10'	23°31'								
T 5	23 34 54	21°50'18	17° 2'	14°38'	7°58'	14°31'	23°31'	5°54'	29°16'	9° 2'	29°40'	11°R54	12°42'	0°17'	23°28'								
F 6	23 38 50	22°49'00	29°59'	16°30'	8°43'	15°10'	23°44'	5°54'	29°15'	9° 3'	29°39'	11°54'	12°39'	0°24'	23°25'								
S 7	23 42 47	23°47'45	13 ^h ☾21	18°21'	9°28'	15°48'	23°57'	5°55'	29°14'	9° 4'	29°37'	11°53'	12°35'	0°30'	23°22'								
S 8	23 46 43	24°46'32	27°10'	20°12'	10°14'	16°27'	24°10'	5°55'	29°13'	9° 5'	29°36'	11°51'	12°32'	0°37'	23°20'								
M 9	23 50 40	25°45'21	11 ^h ☿27	22° 3'	11° 2'	17° 5'	24°23'	5°56'	29°12'	9° 5'	29°35'	11°49'	12°29'	0°44'	23°17'								
T 10	23 54 37	26°44'13	26° 8'	23°52'	11°50'	17°44'	24°36'	5°57'	29°11'	9° 6'	29°34'	11°47'	12°26'	0°50'	23°14'								
W11	23 58 33	27°43'06	11 ^h ♁ 8	25°42'	12°38'	18°22'	24°49'	5°58'	29°10'	9° 7'	29°33'	11°46'	12°23'	0°57'	23°11'								
T 12	0 2 30	28°42'02	26°18'	27°30'	13°28'	19° 1'	25° 2'	5°59'	29° 9'	9° 8'	29°31'	11°45'	12°19'	1° 4'	23° 8'								
F 13	0 6 26	29°41'00	11 ^h ♂31	29°18'	14°18'	19°39'	25°15'	6° 0'	29° 8'	9° 8'	29°30'	11°D44	12°16'	1°10'	23° 6'								
S 14	0 10 23	0 ^h ♃40'00	26°35'	1 ^h ♌ 4	15° 9'	20°18'	25°28'	6° 2'	29° 7'	9° 9'	29°29'	11°45'	12°13'	1°17'	23° 3'								
S 15	0 14 19	1°39'01	11 ^h ♍23	2°50'	16° 1'	20°56'	25°41'	6° 3'	29° 7'	9°10'	29°28'	11°45'	12°10'	1°23'	23° 0'								
M16	0 18 16	2°38'05	25°48'	4°36'	16°54'	21°35'	25°54'	6° 5'	29° 6'	9°10'	29°27'	11°46'	12° 7'	1°30'	22°57'								
T 17	0 22 12	3°37'10	9 ^h ♎48	6°20'	17°47'	22°14'	26° 7'	6° 6'	29° 5'	9°11'	29°25'	11°47'	12° 4'	1°37'	22°54'								
W18	0 26 9	4°36'18	23°22'	8° 3'	18°41'	22°52'	26°19'	6° 8'	29° 5'	9°11'	29°24'	11°47'	12° 0'	1°43'	22°52'								
T 19	0 30 6	5°35'27	6 ^h ♏31	9°46'	19°35'	23°31'	26°32'	6°10'	29° 4'	9°12'	29°23'	11°R48	11°57'	1°50'	22°49'								
F 20	0 34 2	6°34'38	19°18'	11°28'	20°30'	24°10'	26°45'	6°12'	29° 4'	9°12'	29°22'	11°47'	11°54'	1°57'	22°46'								
S 21	0 37 59	7°33'50	1 ^h ♐46	13° 9'	21°26'	24°48'	26°58'	6°14'	29° 3'	9°13'	29°21'	11°47'	11°51'	2° 3'	22°44'								
S 22	0 41 55	8°33'04	13°59'	14°49'	22°22'	25°27'	27°11'	6°16'	29° 3'	9°13'	29°20'	11°47'	11°48'	2°10'	22°41'								
M23	0 45 52	9°32'21	26° 2'	16°29'	23°18'	26° 6'	27°24'	6°18'	29° 3'	9°13'	29°18'	11°46'	11°45'	2°17'	22°38'								
T 24	0 49 48	10°31'39	7 ^h ♋56	18° 7'	24°16'	26°44'	27°37'	6°20'	29° 3'	9°14'	29°17'	11°46'	11°41'	2°23'	22°35'								
W25	0 53 45	11°30'58	19°46'	19°45'	25°13'	27°23'	27°49'	6°22'	29° 2'	9°14'	29°16'	11°D46	11°38'	2°30'	22°33'								
T 26	0 57 41	12°30'20	1 ^h Y34	21°22'	26°12'	28° 2'	28° 2'	6°25'	29° 2'	9°14'	29°15'	11°46'	11°35'	2°37'	22°30'								
F 27	1 1 38	13°29'44	13°22'	22°59'	27°10'	28°41'	28°15'	6°27'	29° 2'	9°14'	29°14'	11°R46	11°32'	2°43'	22°28'								
S 28	1 5 34	14°29'10	25°13'	24°34'	28°10'	29°19'	28°28'	6°30'	29° 2'	9°14'	29°13'	11°46'	11°29'	2°50'	22°25'								
S 29	1 9 31	15°28'38	7 ^h ♌ 9	26°10'	29° 9'	29°58'	28°40'	6°33'	29°D 2	9°15'	29°12'	11°46'	11°25'	2°57'	22°23'								
M30	1 13 28	16°28'08	19 ^h ♍12	27°44'	0 ^h ♎ 9	0 ^h ♏37	28 ^h 53'	6°35'	29°Z 2	9°15'	29°K10	11°Y45	11°Y22	3°Y 3	22 ^h K20								

Delta T = 119.98 sec. Julian Calendar 1 Sept. 1577 == Greg. Calendar 11 Sept. 1577

OCTOBER 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
T 1	1 17 24	17 ^h ♎27'41	1 ^h II24	29 ^h ♏18	1 ^h ♐10	1 ^h ♑16	29 ^h ♒ 6	6°38'	29°Z 2	9°15'	29°R 9	11°R44	11°Y19	3°Y10	22°R17								
W 2	1 21 21	18°27'16	13°48'	0 ^h ♒51	2°11'	1°55'	29°18'	6°41'	29° 2'	9°15'	29°K 8	11°Y44	11°16'	3°16'	22 ^h K15								
T 3	1 25 17	19°26'53	26°27'	2°23'	3°12'	2°34'	29°31'	6°44'	29° 2'	9°R15	29° 7'	11°43'	11°13'	3°23'	22°13'								
F 4	1 29 14	20°26'32	9 ^h ♌23	3°55'	4°14'	3°12'	29°44'	6°48'	29° 3'	9°15'	29° 6'	11°42'	11°10'	3°30'	22°10'								
S 5	1 33 10	21°26'14	22°40'	5°26'	5°16'	3°51'	29°56'	6°51'	29° 3'	9°15'	29° 5'	11°D42	11° 6'	3°36'	22° 8'								
S 6	1 37 7	22°25'58	6 ^h ♍18	6°57'	6°18'	4°30'	0 ^h ♎ 9	6°54'	29° 3'	9°15'	29° 4'	11°42'	11° 3'	3°43'	22° 5'								
M 7	1 41 4	23°25'44	20°21'	8°27'	7°21'	5° 9'	0°21'	6°58'	29° 4'	9°14'	29° 3'	11°43'	11° 0'	3°50'	22° 3'								
T 8	1 45 0	24°25'32	4 ^h ♎45	9°57'	8°25'	5°48'	0°34'	7° 1'	29° 4'	9°14'	29° 2'	11°44'	10°57'	3°56'	22° 1'								
W 9	1 48 57	25°25'23	19°30'	11°25'	9°28'	6°27'	0°46'	7° 5'	29° 4'	9°14'	29° 1'	11°45'	10°54'	4° 3'	21°59'								
T 10	1 52 53	26°25'16	4 ^h ♏29	12°54'	10°32'	7° 6'	0°58'	7° 8'	29° 5'	9°14'	29° 0'	11°R46	10°51'	4°10'	21°56'								
F 11	1 56 50	27°25'10	19°35'	14°21'	11°36'	7°45'	1°11'	7°12'	29° 6'	9°14'	28°59'	11°46'	10°47'	4°16'	21°54'								
S 12	2 0 46	28°25'07	4 ^h ♐39	15°48'	12°41'	8°24'	1°23'	7°16'	29° 6'	9°13'	28°58'	11°45'	10°44'	4°23'	21°52'								
S 13	2 4 43	29°25'06	19°33'	17°15'	13°45'	9° 3'	1°35'	7°20'	29° 7'	9°13'	28°57'	11°43'	10°41'	4°30'	21°50'								
M14	2 8 39	0 ^h ♒25'07	4 ^h ♋ 7	18°40'	14°50'	9°42'	1°47'	7°24'	29° 8'	9°13'	28°56'	11°41'	10°38'	4°36'	21°48'								
T 15	2 12 36	1°25'10	18°18'	20° 5'	15°56'	10°21'	1°59'	7°28'	29° 8'	9°12'	28°55'	11°38'	10°35'	4°43'	21°46'								
W16	2 16 32	2°25'14	2 ^h ♌ 1	21°29'	17° 1'	11° 1'	2°11'	7°32'	29° 9'	9°12'	28°54'	11°35'	10°31'	4°50'	21°44'								
T 17	2 20 29	3°25'20	15°17'	22°53'	18° 7'	11°40'	2°23'	7°36'	29°10'	9°11'	28°53'	11°33'	10°28'	4°56'	21°42'								
F 18	2 24 26	4°25'27	28° 7'	24°15'	19°13'	12°19'	2°35'	7°41'	29°11'	9°11'	28°52'	11°32'	10°25'	5° 3'	21°40'								
S 19	2 28 22	5°25'36	10 ^h ♍36	25°37'	20°20'	12°58'	2°47'	7°45'	29°12'	9°10'	28°51'	11°D32	10°22'	5° 9'	21°38'								
S 20	2 32 19	6°25'46	22°47'	26°57'	21°26'	13°37'	2°59'	7°50'	29°13'	9°10'	28°50'	11°33'	10°19'	5°16'	21°36'								
M21	2 36 15	7°25'58	4 ^h ♋45	28°17'	22°33'	14°16'	3°11'	7°54'	29°14'	9° 9'	28°49'	11°35'	10°16'	5°23'	21°35'								
T 22	2 40 12	8°26'12	16°36'	29°35'	23°40'	14°56'	3°23'	7°59'	29°15'	9° 8'	28°48'	11°37'	10°12'	5°29'	21°33'								
W23	2 44 8	9°26'27	28°23'	0 ^h ♎52	24°47'	15°35'	3°34'	8° 3'	29°17'	9° 8'	28°47'	11°38'	10° 9'	5°36'	21°31'								
T 24	2 48 5	10°26'43	10 ^h Y11	2° 8'	25°55'	16°14'	3°46'	8° 8'	29°18'	9° 7'	28°46'	11°R39	10° 6'	5°43'	21°30'								
F 25	2 52 1	11°27'02	22° 3'	3°21'	27° 3'	16°53'	3°58'	8°13'	29°19'	9° 6'	28°46'	11°38'	10° 3'	5°49'	21°28'								
S 26	2 55 58	12°27'22	4 ^h ♏ 0	4°33'	28°11'	17°33'	4° 9'	8°18'	29°20'	9° 6'	28°45'	11°36'	10° 0'	5°56'	21°27'								
S 27	2 59 55	13°27'43	16° 7'	5°43'	29°19'	18°12'	4°20'	8°23'	29°22'	9° 5'	28°44'	11°33'	9°57'	6° 3'	21°25'								
M28	3 3 51	14°28'07	28°23'	6°51'	0 ^h ♏27	18°51'	4°32'	8°28'	29°23'	9° 4'	28°43'	11°28'	9°53'	6° 9'	21°24'								
T 29	3 7 48	15°28'32	10 ^h II51	7°56'	1°36'	19°31'	4°43'	8°33'	29°25'	9° 3'	28°42'	11°22'	9°50'	6°16'	21°22'								
W30	3 11 44	16°28'59	23°30'	8°58'	2°44'	20°10'	4°54'	8°38'	29°26'	9° 2'	28°42'	11°15'	9°47'	6°23'	21°21'								
T 31	3 15 41	17 ^h ♎29'27	6 ^h ♏22	9 ^h ♎57	3 ^h ♏53	20 ^h ♏49	5 ^h ♏ 5	8°43'	29°Z28	9°1	28°K41	11°Y 9	9°Y44	6°Y29	21 ^h K20								

Delta T = 119.93 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]

SWISS EPHEMERIS for the year 1577

NOVEMBER 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
F 1	3 19 37	18♌29°58	19♍27	10♎52	5♏ 2	21♐29	5♑17	8♒49	29♓30	9°R 1	28°R40	11°R 5	9°Y41	6°Y36	21°R19								
S 2	3 23 34	19°30'30	2♌47	11°43	6°12	22° 8	5°28	8°54	29°31	9♍ 0	28°H40	11°Y 2	9°37	6°42	21°H17								
S 3	3 27 31	20°31'04	16°22	12°29	7°21	22°48	5°38	8°59	29°33	8°59	28°39	11°D 0	9°34	6°49	21°16								
M 4	3 31 27	21°31'40	0♎13	13° 9	8°31	23°27	5°49	9° 5	29°35	8°58	28°38	11° 0	9°31	6°56	21°15								
T 5	3 35 24	22°32'18	14°21	13°44	9°41	24° 7	6° 0	9°10	29°36	8°57	28°38	11° 2	9°28	7° 2	21°14								
W 6	3 39 20	23°32'57	28°43	14°12	10°51	24°46	6°11	9°16	29°38	8°55	28°37	11° 3	9°25	7° 9	21°13								
T 7	3 43 17	24°33'38	13♌19	14°32	12° 1	25°26	6°21	9°22	29°40	8°54	28°36	11°R 3	9°22	7°16	21°12								
F 8	3 47 13	25°34'21	28° 4	14°44	13°11	26° 5	6°32	9°27	29°42	8°53	28°36	11° 2	9°18	7°22	21°12								
S 9	3 51 10	26°35'05	12♌51	14°R47	14°21	26°45	6°42	9°33	29°44	8°52	28°35	10°59	9°15	7°29	21°11								
S 10	3 55 6	27°35'51	27°33	14°41	15°32	27°24	6°53	9°39	29°46	8°51	28°35	10°53	9°12	7°36	21°10								
M11	3 59 3	28°36'38	12♎ 3	14°23	16°43	28° 4	7° 3	9°45	29°48	8°50	28°34	10°46	9° 9	7°42	21° 9								
T12	4 3 0	29°37'27	26°13	13°55	17°53	28°44	7°13	9°51	29°50	8°49	28°34	10°37	9° 6	7°49	21° 9								
W13	4 6 56	0♎38°16	10♓ 3	13°17	19° 4	29°23	7°23	9°57	29°53	8°47	28°33	10°29	9° 3	7°56	21° 8								
T14	4 10 53	1°39'07	23°20	12°27	20°15	0♌ 3	7°33	10° 3	29°55	8°46	28°33	10°22	8°59	8° 2	21° 8								
F15	4 14 49	2°39'58	6♌15	11°27	21°26	0°43	7°43	10° 9	29°57	8°45	28°32	10°16	8°56	8° 9	21° 7								
S16	4 18 46	3°40'51	18°47	10°18	22°38	1°22	7°53	10°15	29°59	8°43	28°32	10°13	8°53	8°16	21° 7								
S17	4 22 42	4°41'44	1♎ 0	9° 3	23°49	2° 2	8° 2	10°21	0♎ 2	8°42	28°32	10°D11	8°50	8°22	21° 6								
M18	4 26 39	5°42'38	12°59	7°42	25° 0	2°42	8°12	10°27	0° 4	8°41	28°31	10°11	8°47	8°29	21° 6								
T19	4 30 35	6°43'32	24°49	6°19	26°12	3°22	8°21	10°33	0° 6	8°39	28°31	10°12	8°43	8°35	21° 6								
W20	4 34 32	7°44'28	6°Y36	4°57	27°24	4° 1	8°31	10°40	0° 9	8°38	28°31	10°R13	8°40	8°42	21° 6								
T21	4 38 29	8°45'24	18°25	3°38	28°35	4°41	8°40	10°46	0°11	8°37	28°30	10°13	8°37	8°49	21° 6								
F22	4 42 25	9°46'21	0♒20	2°25	29°47	5°21	8°49	10°52	0°14	8°35	28°30	10°11	8°34	8°55	21°D 6								
S23	4 46 22	10°47'19	12°25	1°20	0♌59	6° 1	8°58	10°59	0°16	8°34	28°30	10° 6	8°31	9° 2	21° 6								
S24	4 50 18	11°48'18	24°43	0°25	2°11	6°41	9° 7	11° 5	0°19	8°32	28°30	9°58	8°28	9° 9	21° 6								
M25	4 54 15	12°49'18	7♌15	29♌40	3°23	7°21	9°16	11°12	0°21	8°31	28°29	9°49	8°24	9°15	21° 6								
T26	4 58 11	13°50'18	20° 2	29° 7	4°36	8° 1	9°24	11°18	0°24	8°29	28°29	9°37	8°21	9°22	21° 6								
W27	5 2 8	14°51'19	3♓ 3	28°45	5°48	8°40	9°33	11°25	0°27	8°28	28°29	9°25	8°18	9°29	21° 6								
T28	5 6 4	15°52'22	16°18	28°33	7° 0	9°20	9°41	11°31	0°29	8°26	28°29	9°14	8°15	9°35	21° 7								
F29	5 10 1	16°53'25	29°43	28°D33	8°13	10° 0	9°50	11°38	0°32	8°25	28°29	9° 4	8°12	9°42	21° 7								
S30	5 13 58	17°54'28	13♌18	28♌41	9♌25	10♌40	9°58	11°45	0°35	8°23	28°29	8°Y57	8°Y 9	9°Y49	21°H 7								

Delta T = 119.88 sec. Julian Calendar 1 Nov. 1577 == Greg. Calendar 11 Nov. 1577

DECEMBER 1577 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
S 1	5 17 54	18♌55°33	27♌ 2	28♌59	10♌38	11♌20	10♏ 6	11♓51	0♎38	8°R22	28°R29	8°R52	8°Y 5	9°Y55	21°H 8								
M 2	5 21 51	19°56'39	10♎54	29°26	11°51	12° 0	10°14	11°58	0°41	8°20	28°H29	8°Y50	8° 2	10° 2	21° 8								
T 3	5 25 47	20°57'45	24°54	29°59	13° 4	12°41	10°22	12° 5	0°44	8°18	28°D29	8°D50	7°59	10° 8	21° 9								
W 4	5 29 44	21°58'52	9♏ 1	0♎39	14°17	13°21	10°29	12°12	0°46	8°17	28°29	8°R50	7°56	10°15	21°10								
T 5	5 33 40	23° 0'01	23°15	1°25	15°29	14° 1	10°37	12°18	0°49	8°15	28°29	8°49	7°53	10°22	21°10								
F 6	5 37 37	24° 1'10	7♌33	2°16	16°42	14°41	10°44	12°25	0°52	8°13	28°29	8°47	7°49	10°28	21°11								
S 7	5 41 33	25° 2'19	21°53	3°11	17°56	15°21	10°52	12°32	0°55	8°12	28°29	8°41	7°46	10°35	21°12								
S 8	5 45 30	26° 3'30	6♎11	4°11	19° 9	16° 1	10°59	12°39	0°58	8°10	28°29	8°32	7°43	10°42	21°13								
M 9	5 49 27	27° 4'40	20°20	5°14	20°22	16°41	11° 6	12°46	1° 1	8° 9	28°29	8°21	7°40	10°48	21°14								
T10	5 53 23	28° 5'52	4♓15	6°20	21°35	17°22	11°13	12°53	1° 4	8° 7	28°29	8° 8	7°37	10°55	21°15								
W11	5 57 20	29° 7'03	17°52	7°29	22°48	18° 2	11°19	13° 0	1° 8	8° 5	28°29	7°55	7°34	11° 2	21°16								
T12	6 1 16	0♒ 8'15	1♎ 8	8°40	24° 2	18°42	11°26	13° 7	1°11	8° 4	28°30	7°44	7°30	11° 8	21°17								
F13	6 5 13	1° 9'26	14° 2	9°54	25°15	19°22	11°32	13°14	1°14	8° 2	28°30	7°34	7°27	11°15	21°18								
S14	6 9 9	2°10'38	26°35	11° 9	26°28	20° 3	11°39	13°21	1°17	8° 0	28°30	7°27	7°24	11°22	21°19								
S15	6 13 6	3°11'49	8♎49	12°26	27°42	20°43	11°45	13°28	1°20	7°58	28°30	7°22	7°21	11°28	21°20								
M16	6 17 3	4°13'00	20°49	13°45	28°55	21°23	11°51	13°35	1°23	7°57	28°31	7°20	7°18	11°35	21°22								
T17	6 20 59	5°14'11	2°Y40	15° 5	0♎ 9	22° 3	11°56	13°42	1°27	7°55	28°31	7°20	7°15	11°42	21°23								
W18	6 24 56	6°15'22	14°27	16°26	1°23	22°44	12° 2	13°49	1°30	7°53	28°31	7°20	7°11	11°48	21°25								
T19	6 28 52	7°16'32	26°16	17°48	2°36	23°24	12° 8	13°56	1°33	7°52	28°32	7°19	7° 8	11°55	21°26								
F20	6 32 49	8°17'42	8♓13	19°11	3°50	24° 5	12°13	14° 3	1°36	7°50	28°32	7°16	7° 5	12° 1	21°28								
S21	6 36 45	9°18'52	20°23	5° 4	24°45	12°18	14°10	1°40	7°48	28°33	7°11	7° 2	12° 8	12° 8	21°29								
S22	6 40 42	10°20'01	2♌48	22° 1	6°17	25°25	12°23	14°17	1°43	7°47	28°33	7° 3	6°59	12°15	21°31								
M23	6 44 38	11°21'11	15°32	23°26	7°31	26° 6	12°28	14°24	1°46	7°45	28°33	6°52	6°55	12°21	21°33								
T24	6 48 35	12°22'19	28°36	24°53	8°45	26°46	12°33	14°31	1°50	7°43	28°34	6°39	6°52	12°28	21°34								
W25	6 52 32	13°23'28	11♓59	26°20	9°59	27°27	12°37	14°38	1°53	7°42	28°34	6°26	6°49	12°35	21°36								
T26	6 56 28	14°24'36	25°38	27°48	11°13	28° 7	12°41	14°45	1°56	7°40	28°35	6°13	6°46	12°41	21°38								
F27	7 0 25	15°25'44	9♌30	29°16	12°26	28°48	12°46	14°52	2° 0	7°38	28°36	6° 2	6°43	12°48	21°40								
S28	7 4 21	16°26'52	23°31	0♒45	13°40	29°28	12°50	14°59	2° 3	7°36	28°36	5°54	6°40	12°55	21°42								
S29	7 8 18	17°27'59	7♎37	2°14	14°54	0♎ 9	12°53	15° 6	2° 7	7°35	28°37	5°48	6°36	13° 1	21°44								
M30	7 12 14	18°29'06	21°45	3°45	16° 8	0°50	12°57	15°14	2°10	7°33	28°37	5°46	6°33	13° 8	21°46								
T31	7 16 11	19°30'13	5♏52	5♓15	17♎22	1♎30	13♏ 1	15°21	2°14	7°31	28°H38	5°D45	6°Y30	13°Y15	21°H48								

Delta T = 119.83 sec. Julian Calendar created from Swiss Ephemeris, Copyright Astrodienst AG [10.1.2003]