

SWISS EPHEMERIS for the year 1779

JANUARY 1779

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	6 41 56	10°31'37	16°43	29°50	20°R19	24°50	27°33	23°42	16°R43	1°29	0°48	20°R30	19°24	0°56	23°R21
S 2	6 45 52	11°32'46	1°53	0°39	19°R46	25°22	27° 5	23°47	16°40	1°29	0°50	20°II30	19°21	1° 2	23°V21
S 3	6 49 49	12°33'55	17° 8	1°20	19°12	25°54	27° 7	23°53	16°38	1°R29	0°52	20°29	19°18	1° 9	23°D21
M 4	6 53 45	13°35'03	2°17	1°53	18°36	26°26	27° 8	23°58	16°36	1°29	0°54	20°26	19°14	1°16	23°21
T 5	6 57 42	14°36'11	17°11	2°16	18° 0	26°58	27°10	24° 4	16°34	1°29	0°56	20°23	19°11	1°22	23°21
W 6	7 1 38	15°37'19	1°42	2°29	17°23	27°30	27°11	24° 9	16°32	1°29	0°58	20°19	19° 8	1°29	23°21
T 7	7 5 35	16°38'27	15°45	2°R30	16°47	28° 1	27°12	24°15	16°30	1°29	0°59	20°16	19° 5	1°36	23°21
F 8	7 9 32	17°39'35	29°20	2°21	16°10	28°33	27°12	24°20	16°27	1°29	1° 1	20°13	19° 2	1°42	23°21
S 9	7 13 28	18°40'43	12°27	1°59	15°33	29° 4	27°13	24°25	16°25	1°28	1° 3	20°12	18°59	1°49	23°22
S 10	7 17 25	19°41'51	25° 9	1°26	14°57	29°35	27°14	24°30	16°23	1°28	1° 5	20°D12	18°55	1°56	23°22
M11	7 21 21	20°42'59	7°31	0°42	14°22	0°38	27°14	24°35	16°21	1°28	1° 7	20°13	18°52	2° 2	23°22
T 12	7 25 18	21°44'07	19°37	29°R47	13°48	0°38	27°R14	24°40	16°19	1°28	1° 9	20°15	18°49	2° 9	23°23
W13	7 29 14	22°45'14	1°32	28°43	13°15	1° 9	27°14	24°45	16°17	1°27	1°11	20°17	18°46	2°15	23°24
T 14	7 33 11	23°46'21	13°20	27°33	12°44	1°39	27°13	24°50	16°16	1°27	1°13	20°18	18°43	2°22	23°24
F 15	7 37 7	24°47'28	25° 7	26°17	12°14	2°10	27°13	24°54	16°14	1°27	1°15	20°R18	18°39	2°29	23°25
S 16	7 41 4	25°48'35	6°53	25° 0	11°46	2°40	27°12	24°59	16°12	1°26	1°16	20°16	18°36	2°35	23°26
S 17	7 45 1	26°49'41	18°44	23°42	11°20	3°11	27°11	25° 4	16°10	1°26	1°18	20°13	18°33	2°42	23°26
M18	7 48 57	27°50'46	0°34	22°27	10°56	3°41	27°10	25° 8	16° 8	1°25	1°20	20° 8	18°30	2°49	23°27
T 19	7 52 54	28°51'50	12°43	21°15	10°34	4°11	27° 9	25°13	16° 7	1°25	1°22	20° 1	18°27	2°55	23°28
W20	7 56 50	29°52'54	24°55	20°10	10°14	4°41	27° 7	25°17	16° 5	1°24	1°24	19°53	18°24	3° 2	23°29
T 21	8 0 47	0°53'57	7°17	19°13	9°57	5°11	27° 5	25°21	16° 3	1°23	1°26	19°45	18°20	3° 9	23°30
F 22	8 4 43	1°54'59	19°50	18°23	9°43	5°40	27° 4	25°25	16° 2	1°23	1°28	19°38	18°17	3°15	23°31
S 23	8 8 40	2°55'59	2°V36	17°43	9°30	6°10	27° 1	25°29	16° 0	1°22	1°30	19°33	18°14	3°22	23°32
S 24	8 12 36	3°56'59	15°36	17°11	9°21	6°39	26°59	25°33	15°59	1°21	1°32	19°29	18°11	3°29	23°34
M25	8 16 33	4°57'58	28°53	16°49	9°13	7° 8	26°57	25°37	15°57	1°21	1°34	19°D27	18° 8	3°35	23°35
T 26	8 20 30	5°58'55	12°R29	16°35	9° 8	7°37	26°54	25°41	15°56	1°20	1°36	19°27	18° 5	3°42	23°36
W27	8 24 26	6°59'51	26°25	16°D29	9°D 6	8° 6	26°51	25°45	15°55	1°19	1°37	19°28	18° 1	3°49	23°37
T 28	8 28 23	8° 0'46	10°II42	16°31	9° 6	8°34	26°48	25°49	15°53	1°18	1°39	19°29	17°58	3°55	23°39
F 29	8 32 19	9° 1'39	25°18	16°41	9° 9	9° 3	26°45	25°52	15°52	1°18	1°41	19°R29	17°55	4° 2	23°40
S 30	8 36 16	10° 2'32	10°E 9	16°57	9°13	9°31	26°42	25°56	15°51	1°17	1°43	19°28	17°52	4° 9	23°42
S 31	8 40 12	11°3'23	25°E 9	17°R20	9°R20	9°31	26°38	25°59	15°50	1°16	1°45	19°II23	17°II49	4°15	23°V43

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	23s 3	22n 27	0s21	21s 0	0s49	18s33	3n25	8s 7	1n38	2n22	1n18	16s43	2n 4	22n53	0n 4	0n41	1n23	24s 5	4s11	23n 8	23n 3	24s30	9n13	0n 8
S 2	22 58	24 30	1n 3	20 37	0 36	18 23	3 40	8 18	1 38	2 22	1 18	16 44	2 5	22 52	0 4	0 41	1 23	24 4	4 11	23 8	23 2	24 31	9 13	0 8
S 3	22 52	24 43	2 22	20 14	0 21	18 13	3 55	8 30	1 38	2 21	1 19	16 45	2 5	22 52	0 4	0 41	1 23	24 4	4 11	23 8	23 2	24 31	9 12	0 8
M 4	22 46	23 5	3 30	19 52	0 6	18 3	4 10	8 41	1 38	2 21	1 19	16 46	2 5	22 52	0 4	0 41	1 23	24 4	4 11	23 7	23 2	24 32	9 12	0 8
T 5	22 40	19 53	4 24	19 31	0n10	17 53	4 24	8 53	1 38	2 21	1 19	16 48	2 5	22 52	0 4	0 41	1 23	24 3	4 11	23 7	23 2	24 33	9 12	0 8
W 6	22 33	15 31	4 58	19 11	0 28	17 44	4 38	9 4	1 38	2 20	1 19	16 49	2 5	22 51	0 4	0 41	1 23	24 3	4 11	23 7	23 1	24 34	9 12	0 8
T 7	22 26	10 26	5 14	18 53	0 46	17 36	4 51	9 15	1 38	2 20	1 19	16 50	2 5	22 51	0 4	0 41	1 23	24 2	4 11	23 7	23 1	24 35	9 12	0 8
F 8	22 18	5 1	5 11	18 37	1 4	17 27	5 4	9 26	1 38	2 20	1 20	16 51	2 5	22 51	0 4	0 41	1 23	24 2	4 11	23 6	23 1	24 35	9 12	0 8
S 9	22 10	0s27	4 51	18 23	1 23	17 20	5 16	9 37	1 39	2 20	1 20	16 52	2 5	22 51	0 4	0 41	1 24	24 2	4 11	23 6	23 1	24 36	9 12	0 8
S 10	22 1	5 44	4 18	18 12	1 42	17 12	5 28	9 48	1 39	2 20	1 21	16 53	2 5	22 51	0 4	0 42	1 24	24 1	4 11	23 6	23 0	24 37	9 12	0 8
M11	21 52	10 40	3 34	18 4	2 1	17 5	5 38	9 59	1 39	2 20	1 21	16 54	2 6	22 50	0 4	0 42	1 24	24 1	4 11	23 6	23 0	24 38	9 12	0 8
T 12	21 43	15 5	2 40	17 58	2 18	16 59	5 48	10 10	1 39	2 21	1 21	16 56	2 6	22 50	0 4	0 42	1 24	24 1	4 11	23 7	23 0	24 38	9 13	0 7
W13	21 33	18 50	1 41	17 55	2 35	16 53	5 58	10 20	1 39	2 21	1 21	16 57	2 6	22 50	0 4	0 42	1 24	24 0	4 11	23 7	23 0	24 39	9 13	0 7
T 14	21 22	21 48	0 38	17 54	2 50	16 47	6 6	10 31	1 39	2 21	1 22	16 58	2 6	22 50	0 4	0 42	1 24	24 0	4 11	23 7	22 59	24 40	9 13	0 7
F 15	21 12	23 49	0s26	17 56	3 3	16 42	6 14	10 41	1 39	2 22	1 22	16 59	2 6	22 50	0 4	0 42	1 24	24 0	4 11	23 7	22 59	24 41	9 13	0 7
S 16	21 1	24 47	1 29	17 59	3 13	16 38	6 21	10 52	1 39	2 22	1 22	17 0	2 6	22 50	0 4	0 43	1 24	23 59	4 11	23 7	22 59	24 41	9 13	0 7
S 17	20 49	24 37	2 29	18 4	3 22	16 34	6 27	11 2	1 39	2 23	1 23	17 0	2 6	22 49	0 4	0 43	1 24	23 59	4 12	23 6	22 58	24 42	9 13	0 7
M18	20 37	23 19	3 22	18 11	3 27	16 30	6 32	11 12	1 39	2 24	1 23	17 1	2 7	22 49	0 4	0 43	1 24	23 58	4 12	23 6	22 58	24 43	9 14	0 7
T 19	20 25	20 57	4 7	18 19	3 31	16 27	6 37	11 22	1 39	2 25	1 23	17 2	2 7	22 49	0 4	0 43	1 24	23 58	4 12	23 6	22 58	24 44	9 14	0 7
W20	20 12	17 38	4 41	18 28	3 31	16 25	6 40	11 32	1 39	2 25	1 23	17 3	2 7	22 49	0 4	0 44	1 24	23 58	4 12	23 5	22 58	24 44	9 14	0 7
T 21	19 59	13 31	5 2	18 37	3 30	16 23	6 44	11 42	1 39	2 26	1 24	17 4	2 7	22 49	0 4	0 44	1 24	23 57	4 12	23 4	22 57	24 45	9 14	0 7
F 22	19 45	8 46	5 9	18 48	3 27	16 22	6 46	11 52	1 39	2 27	1 24	17 5	2 7	22 49	0 4	0 44	1 24	23 57	4 12	23 4	22 57	24 46	9 15	0 7
S 23	19 32	3 34	5 1	18 58	3 21	16 21	6 48	12 2	1 39	2 28	1 24	17 6	2 7	22 48	0 4	0 45	1 24	23 57	4 12	23 3	22 57	24 46	9 15	0 6
S 24	19 17	1n52	4 38	19 8	3 15	16 20	6 49	12 11	1 39	2 30	1 25	17												

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	8 44 9	12° 4'12"	10° 10'10"	17° 34'48"	9° 30'30"	10° 10'27"	26° 34'26"	26° 00'3"	15° 49'15"	1° 15'15"	1° 47'14"	19° 17'17"	17° 45'45"	4° 22'22"	23° 45'45"
T 2	8 48 5	13° 5'01"	25° 2'0"	18° 22'18"	9° 42'9"	10° 55'26"	26° 31'26"	26° 6'9"	15° 48'15"	1° 14'14"	1° 49'19"	19° 9'9"	17° 42'42"	4° 28'28"	23° 47'47"
W 3	8 52 2	14° 5'48"	9° 37'9"	19° 1'19"	9° 55'11"	11° 22'26"	26° 27'26"	26° 9'9"	15° 47'15"	1° 13'13"	1° 51'19"	19° 0'0"	17° 39'39"	4° 35'35"	23° 48'48"
T 4	8 55 59	15° 6'34"	23° 47'19"	19° 43'19"	10° 11'10"	11° 49'11"	26° 22'26"	26° 12'12"	15° 46'15"	1° 12'12"	1° 53'18"	18° 51'51"	17° 36'36"	4° 42'42"	23° 50'50"
F 5	8 59 55	16° 7'19"	7° 30'7"	20° 30'20"	10° 29'10"	12° 17'12"	26° 18'18"	26° 15'15"	15° 45'15"	1° 11'11"	1° 54'18"	18° 43'43"	17° 33'33"	4° 48'48"	23° 52'52"
S 6	9 3 52	17° 8'03"	20° 44'20"	21° 21'21"	10° 49'10"	12° 43'12"	26° 13'13"	26° 18'18"	15° 44'15"	1° 10'10"	1° 56'18"	18° 37'37"	17° 30'30"	4° 55'55"	23° 54'54"
S 7	9 7 48	18° 8'47"	3° 32'3"	22° 15'22"	11° 11'11"	13° 10'10"	26° 9'9"	26° 21'21"	15° 43'15"	1° 9'9"	1° 58'18"	18° 34'34"	17° 26'26"	5° 2'2"	23° 56'56"
M 8	9 11 45	19° 9'29"	15° 57'23"	23° 12'12"	11° 34'11"	13° 36'13"	26° 4'4"	26° 23'23"	15° 42'15"	1° 8'8"	2° 0'0"	18° 33'33"	17° 23'23"	5° 8'8"	23° 58'58"
T 9	9 15 41	20° 10'10"	28° 5'24"	24° 12'12"	12° 0'0"	14° 3'3"	25° 59'25"	26° 26'26"	15° 41'15"	1° 6'6"	2° 2'2"	18° 33'33"	17° 20'20"	5° 15'15"	24° 0'0"
W10	9 19 38	21° 10'49"	9° 59'9"	25° 15'15"	12° 27'12"	14° 29'14"	25° 53'25"	26° 28'28"	15° 41'15"	1° 5'5"	2° 4'4"	18° 34'34"	17° 17'17"	5° 22'22"	24° 2'2"
T 11	9 23 34	22° 11'28"	21° 47'21"	26° 20'20"	12° 56'12"	14° 54'14"	25° 48'25"	26° 31'31"	15° 40'15"	1° 4'4"	2° 5'5"	18° 34'34"	17° 14'14"	5° 28'28"	24° 4'4"
F 12	9 27 31	23° 12'06"	3° 33'3"	27° 27'27"	13° 26'13"	15° 20'15"	25° 43'25"	26° 33'33"	15° 40'15"	1° 3'3"	2° 7'7"	18° 33'33"	17° 10'10"	5° 35'35"	24° 6'6"
S 13	9 31 28	24° 12'42"	15° 22'15"	28° 37'28"	13° 58'13"	15° 45'15"	25° 37'25"	26° 35'35"	15° 39'15"	1° 2'2"	2° 9'9"	18° 29'29"	17° 7'7"	5° 42'42"	24° 9'9"
S 14	9 35 24	25° 13'17"	27° 17'27"	29° 48'29"	14° 31'14"	16° 10'16"	25° 31'25"	26° 37'37"	15° 39'15"	1° 0'0"	2° 11'11"	18° 23'23"	17° 4'4"	5° 48'48"	24° 11'11"
M15	9 39 21	26° 13'50"	9° 21'9"	1° 1'1"	15° 6'6"	16° 35'16"	25° 25'25"	26° 39'39"	15° 38'15"	0° 59'59"	2° 13'13"	18° 14'14"	17° 1'1"	5° 55'55"	24° 13'13"
T 16	9 43 17	27° 14'22"	21° 36'21"	2° 16'16"	15° 42'15"	16° 59'16"	25° 19'25"	26° 41'41"	15° 38'15"	0° 58'58"	2° 14'14"	18° 2'2"	16° 58'58"	6° 2'2"	24° 16'16"
W17	9 47 14	28° 14'53"	4° 4'4"	3° 33'33"	16° 19'16"	17° 23'17"	25° 13'25"	26° 43'43"	15° 38'15"	0° 57'57"	2° 16'16"	17° 49'49"	16° 55'55"	6° 8'8"	24° 18'18"
T 18	9 51 10	29° 15'21"	16° 43'45"	4° 51'45"	16° 58'17"	17° 47'17"	25° 7'25"	26° 45'45"	15° 37'15"	0° 55'55"	2° 18'18"	17° 36'36"	16° 51'51"	6° 15'15"	24° 20'20"
F 19	9 55 7	0° 15'48"	29° 35'6"	6° 10'10"	17° 38'18"	18° 11'11"	25° 0'0"	26° 47'47"	15° 37'15"	0° 54'54"	2° 20'20"	17° 24'24"	16° 48'48"	6° 22'22"	24° 23'23"
S 20	9 59 3	1° 16'13"	12° 38'12"	7° 31'31"	18° 19'18"	18° 34'18"	24° 54'24"	26° 48'48"	15° 37'15"	0° 52'52"	2° 21'21"	17° 14'14"	16° 45'45"	6° 28'28"	24° 25'25"
S 21	10 3 0	2° 16'37"	25° 52'8"	8° 53'9"	19° 1'19"	18° 57'18"	24° 47'24"	26° 49'49"	15° 37'15"	0° 51'51"	2° 23'23"	17° 6'6"	16° 42'42"	6° 35'35"	24° 28'28"
M22	10 6 57	3° 16'58"	9° 18'9"	10° 17'10"	19° 44'19"	19° 20'19"	24° 40'24"	26° 51'51"	15° 37'15"	0° 50'50"	2° 25'25"	17° 2'2"	16° 39'39"	6° 42'42"	24° 31'31"
T 23	10 10 53	4° 17'18"	22° 55'11"	11° 42'11"	20° 28'20"	19° 42'19"	24° 34'24"	26° 52'52"	15° 37'15"	0° 48'48"	2° 26'26"	17° 0'0"	16° 36'36"	6° 48'48"	24° 33'33"
W24	10 14 50	5° 17'35"	6° 45'6"	13° 8'8"	21° 13'21"	20° 4'20"	24° 27'24"	26° 53'53"	15° 37'15"	0° 47'47"	2° 28'28"	16° 59'59"	16° 32'32"	6° 55'55"	24° 36'36"
T 25	10 18 46	6° 17'51"	20° 48'14"	14° 35'14"	21° 58'21"	20° 26'20"	24° 20'24"	26° 54'54"	15° 37'15"	0° 45'45"	2° 30'30"	16° 59'59"	16° 29'29"	7° 1'1"	24° 39'39"
F 26	10 22 43	7° 18'04"	5° 5'5"	16° 3'3"	22° 45'22"	20° 47'20"	24° 13'24"	26° 55'55"	15° 37'15"	0° 44'44"	2° 31'31"	16° 58'58"	16° 26'26"	7° 8'8"	24° 42'42"
S 27	10 26 39	8° 18'16"	19° 32'17"	17° 33'17"	23° 33'23"	21° 9'21"	24° 5'24"	26° 56'56"	15° 37'15"	0° 42'42"	2° 33'33"	16° 55'55"	16° 23'23"	7° 15'15"	24° 44'44"
S 28	10 30 36	9° 18'25"	4° 6'7"	19° 33'19"	24° 21'24"	21° 29'21"	23° 58'23"	26° 57'57"	15° 38'15"	0° 41'41"	2° 35'35"	16° 50'50"	16° 20'20"	7° 21'21"	24° 47'47"

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
M 1	17s12	21n32	3n58	20s23	1n55	16s30	6n39	13s24	1n39	2n41	1n27	17s12	2n 9	22n47	0n 5	0n48	1n25	23s54	4s13	23n 2	22n54	24s52	9n19	0n 6
T 2	16 55	17 35	4 40	20 30	1 43	16 32	6 36	13 33	1 39	2 43	1 27	17 13	2 9	22 47	0 5	0 48	1 25	23 53	4 13	23 1	22 54	24 53	9 20	0 6
W 3	16 37	12 38	5 2	20 36	1 32	16 35	6 32	13 41	1 39	2 45	1 27	17 13	2 9	22 47	0 5	0 49	1 25	23 53	4 13	23 1	22 54	24 53	9 20	0 6
T 4	16 19	7 8	5 5	20 41	1 21	16 37	6 28	13 50	1 39	2 47	1 27	17 14	2 9	22 47	0 5	0 49	1 25	23 53	4 13	23 0	22 53	24 54	9 21	0 5
F 5	16 1	1 27	4 50	20 45	1 10	16 40	6 24	13 58	1 39	2 49	1 28	17 14	2 10	22 47	0 5	0 50	1 25	23 52	4 13	22 59	22 53	24 55	9 21	0 5
S 6	15 43	4s 6	4 20	20 48	0 59	16 43	6 20	14 6	1 39	2 51	1 28	17 15	2 10	22 47	0 5	0 50	1 25	23 52	4 13	22 59	22 53	24 55	9 22	0 5
S 7	15 25	9 18	3 37	20 50	0 48	16 46	6 15	14 14	1 39	2 53	1 28	17 15	2 10	22 47	0 5	0 51	1 25	23 52	4 13	22 59	22 52	24 56	9 23	0 5
M 8	15 6	14 0	2 45	20 51	0 38	16 49	6 10	14 22	1 39	2 55	1 28	17 16	2 10	22 47	0 5	0 51	1 25	23 51	4 14	22 58	22 52	24 56	9 23	0 5
T 9	14 47	18 1	1 47	20 51	0 28	16 52	6 5	14 30	1 39	2 57	1 28	17 16	2 10	22 46	0 5	0 52	1 25	23 51	4 14	22 58	22 52	24 57	9 24	0 5
W10	14 27	21 13	0 46	20 49	0 18	16 55	6 0	14 38	1 38	2 59	1 29	17 17	2 10	22 46	0 5	0 52	1 25	23 51	4 14	22 59	22 52	24 58	9 25	0 5
T 11	14 8	23 30	0s17	20 47	0 8	16 58	5 54	14 46	1 38	3 2	1 29	17 17	2 11	22 46	0 5	0 53	1 25	23 50	4 14	22 59	22 51	24 58	9 25	0 5
F 12	13 48	24 44	1 19	20 43	0s 2	17 0	5 49	14 53	1 38	3 4	1 29	17 17	2 11	22 46	0 5	0 53	1 25	23 50	4 14	22 58	22 51	24 59	9 26	0 5
S 13	13 28	24 52	2 18	20 38	0 11	17 3	5 43	15 1	1 38	3 7	1 29	17 18	2 11	22 46	0 5	0 54	1 25	23 50	4 14	22 58	22 51	24 59	9 27	0 5
S 14	13 8	23 51	3 11	20 32	0 20	17 6	5 37	15 8	1 38	3 9	1 30	17 18	2 11	22 46	0 5	0 54	1 25	23 49	4 14	22 58	22 50	25 0	9 28	0 5
M15	12 47	21 43	3 56	20 25	0 28	17 8	5 31	15 15	1 38	3 12	1 30	17 18	2 11	22 46	0 5	0 55	1 25	23 49	4 14	22 57	22 50	25 0	9 28	0 5
T 16	12 27	18 35	4 31	20 16	0 37	17 10	5 25	15 22	1 37	3 14	1 30	17 18	2 12	22 46	0 5	0 55	1 25	23 49	4 15	22 56	22 50	25 1	9 29	0 4
W17	12 6	14 34	4 53	20 7	0 45	17 12	5 18	15 29	1 37	3 17	1 30	17 19	2 12	22 46	0 5	0 56	1 25	23 49	4 15	22 55	22 49	25 1	9 30	0 4
T 18	11 45	9 52	5 1	19 55	0 52	17 14	5 12	15 36	1 37	3 20	1 30	17 19	2 12	22 46	0 5	0 56	1 25	23 48	4 15	22 53	22 49	25 2	9 31	0 4
F 19	11 24	4 40	4 55	19 43	1 0	17 15	5 6	15 43	1 37	3 22	1 30	17 19	2 12	22 46	0 5	0 57	1 25	23 48	4 15	22 52	22 49	25 2	9 32	0 4
S 20	11 2	0n48	4 33	19 29	1 7	17 16	4 59	15 50	1 37	3 25	1 31	17 19	2 12	22 46	0 5	0 57	1 25	23 48	4 15	22 51	22 48	25 3	9 33	0 4
S 21	10 41	6 20	3 56	19 14	1 14	17 17	4 53	15 56	1 36	3 28	1 31	17 19	2 12	22 46	0 5	0 58	1 25	23 47	4 15	22 51	22 48	25 3	9 33	0 4
M22	10 19	11 40	3 6	18 58	1 20	17 18	4 46	16 2	1 36	3 31	1 31	17 19	2 13	22 46	0 5	0 59	1 26	23 47	4 15	22 50	22 48	25 4	9 34	0 4
T 23	9 57	16 32	2 4	18 41	1 26	17 18	4 39	16 9	1 36	3 33	1 31	17 20	2 13	22 46	0 5	0 59	1 26	23 47	4 15	22 50	22 48	25 4	9 35	0 4
W24	9 35	20 35	0 54	18 22	1 32	17 18	4 33	16 15	1 36	3 36	1 31	17 20	2 13	22 46	0 5	1 0	1 26	23 47	4 16	22 50	22 47	25 5	9 36	0 4
T 25	9 13	23 29	0n20	18 2	1 37	17 18	4 26	16 21	1 35	3 39	1 31	17 20	2 13	22 46	0									

SWISS EPHEMERIS for the year 1779

MARCH 1779

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	10 34 32	10 ^h 18'32"	18 ^h 04'	20 ^h 35'	25 ^h 31'	21 ^h 50'	23 ^h 51'	26 ^h 57'	15 ^h 38'	0 ^h 39'	2 ^h 36'	16 ^h R41	16 ^h 16'	7 ^h 28'	24 ^h Y50
T 2	10 38 29	11 ^h 18'37"	3 ^h 17'	22 ^h 8'	26 ^h 1'	22 ^h 10'	23 ^h 43'	26 ^h 58'	15 ^h 39'	0 ^h 38'	2 ^h 38'	16 ^h 11'30"	16 ^h 13'	7 ^h 35'	24 ^h 53'
W 3	10 42 26	12 ^h 18'41"	17 ^h 37'	23 ^h 42'	26 ^h 51'	22 ^h 29'	23 ^h 36'	26 ^h 58'	15 ^h 39'	0 ^h 36'	2 ^h 39'	16 ^h 18'	16 ^h 10'	7 ^h 41'	24 ^h 56'
T 4	10 46 22	13 ^h 18'42"	1 ^h 40'	25 ^h 17'	27 ^h 43'	22 ^h 49'	23 ^h 28'	26 ^h 58'	15 ^h 39'	0 ^h 35'	2 ^h 41'	16 ^h 5'	16 ^h 7'	7 ^h 48'	24 ^h 59'
F 5	10 50 19	14 ^h 18'41"	15 ^h 19'	26 ^h 53'	28 ^h 35'	23 ^h 8'	23 ^h 21'	26 ^h 59'	15 ^h 40'	0 ^h 33'	2 ^h 42'	15 ^h 55'	16 ^h 4'	7 ^h 55'	25 ^h 2'
S 6	10 54 15	15 ^h 18'39"	28 ^h 34'	28 ^h 31'	29 ^h 28'	23 ^h 26'	23 ^h 13'	26 ^h R59	15 ^h 41'	0 ^h 32'	2 ^h 44'	15 ^h 46'	16 ^h 1'	8 ^h 1'	25 ^h 5'
S 7	10 58 12	16 ^h 18'36"	11 ^h 24'	0 ^h 9'	0 ^h 21'	23 ^h 44'	23 ^h 5'	26 ^h 59'	15 ^h 41'	0 ^h 30'	2 ^h 45'	15 ^h 40'	15 ^h 57'	8 ^h 8'	25 ^h 8'
M 8	11 2 8	17 ^h 18'30"	23 ^h 52'	1 ^h 49'	1 ^h 15'	24 ^h 2'	22 ^h 58'	26 ^h 58'	15 ^h 42'	0 ^h 28'	2 ^h 47'	15 ^h 37'	15 ^h 54'	8 ^h 15'	25 ^h 12'
T 9	11 6 5	18 ^h 18'23"	6 ^h 2'	3 ^h 30'	2 ^h 10'	24 ^h 19'	22 ^h 50'	26 ^h 58'	15 ^h 43'	0 ^h 27'	2 ^h 48'	15 ^h 36'	15 ^h 51'	8 ^h 21'	25 ^h 15'
W10	11 10 1	19 ^h 18'14"	18 ^h 0'	5 ^h 12'	3 ^h 5'	24 ^h 36'	22 ^h 42'	26 ^h 58'	15 ^h 44'	0 ^h 25'	2 ^h 50'	15 ^h 35'	15 ^h 48'	8 ^h 28'	25 ^h 18'
T 11	11 13 58	20 ^h 18'04"	29 ^h 49'	6 ^h 55'	4 ^h 1'	24 ^h 52'	22 ^h 34'	26 ^h 58'	15 ^h 44'	0 ^h 24'	2 ^h 51'	15 ^h 35'	15 ^h 45'	8 ^h 35'	25 ^h 21'
F 12	11 17 54	21 ^h 17'52"	11 ^h 37'	8 ^h 39'	4 ^h 57'	25 ^h 8'	22 ^h 27'	26 ^h 57'	15 ^h 45'	0 ^h 22'	2 ^h 53'	15 ^h 34'	15 ^h 42'	8 ^h 41'	25 ^h 24'
S 13	11 21 51	22 ^h 17'38"	23 ^h 28'	10 ^h 24'	5 ^h 54'	25 ^h 24'	22 ^h 19'	26 ^h 56'	15 ^h 46'	0 ^h 20'	2 ^h 54'	15 ^h 30'	15 ^h 38'	8 ^h 48'	25 ^h 28'
S 14	11 25 48	23 ^h 17'22"	5 ^h 27'	12 ^h 11'	6 ^h 51'	25 ^h 39'	22 ^h 11'	26 ^h 56'	15 ^h 47'	0 ^h 19'	2 ^h 55'	15 ^h 24'	15 ^h 35'	8 ^h 55'	25 ^h 31'
M15	11 29 44	24 ^h 17'05"	17 ^h 38'	13 ^h 59'	7 ^h 49'	25 ^h 53'	22 ^h 3'	26 ^h 55'	15 ^h 48'	0 ^h 17'	2 ^h 57'	15 ^h 15'	15 ^h 32'	9 ^h 1'	25 ^h 34'
T 16	11 33 41	25 ^h 16'45"	0 ^h 4'	15 ^h 48'	8 ^h 47'	26 ^h 7'	21 ^h 55'	26 ^h 54'	15 ^h 50'	0 ^h 15'	2 ^h 58'	15 ^h 4'	15 ^h 29'	9 ^h 8'	25 ^h 38'
W17	11 37 37	26 ^h 16'24"	12 ^h 46'	17 ^h 39'	9 ^h 46'	26 ^h 21'	21 ^h 48'	26 ^h 53'	15 ^h 51'	0 ^h 14'	2 ^h 59'	14 ^h 51'	15 ^h 26'	9 ^h 15'	25 ^h 41'
T 18	11 41 34	27 ^h 16'01"	25 ^h 44'	19 ^h 30'	10 ^h 45'	26 ^h 34'	21 ^h 40'	26 ^h 52'	15 ^h 52'	0 ^h 12'	3 ^h 1'	14 ^h 38'	15 ^h 22'	9 ^h 21'	25 ^h 45'
F 19	11 45 30	28 ^h 15'35"	8 ^h Y57	21 ^h 23'	11 ^h 44'	26 ^h 46'	21 ^h 32'	26 ^h 51'	15 ^h 53'	0 ^h 10'	3 ^h 2'	14 ^h 26'	15 ^h 19'	9 ^h 28'	25 ^h 48'
S 20	11 49 27	29 ^h 15'08"	22 ^h 23'	23 ^h 17'	12 ^h 44'	26 ^h 58'	21 ^h 25'	26 ^h 49'	15 ^h 55'	0 ^h 9'	3 ^h 3'	14 ^h 15'	15 ^h 16'	9 ^h 35'	25 ^h 51'
S 21	11 53 23	0 ^h Y14'38"	6 ^h 1'	25 ^h 13'	13 ^h 44'	27 ^h 9'	21 ^h 17'	26 ^h 48'	15 ^h 56'	0 ^h 7'	3 ^h 4'	14 ^h 8'	15 ^h 13'	9 ^h 41'	25 ^h 55'
M22	11 57 20	1 ^h 14'06"	19 ^h 46'	27 ^h 9'	14 ^h 45'	27 ^h 20'	21 ^h 9'	26 ^h 46'	15 ^h 57'	0 ^h 5'	3 ^h 5'	14 ^h 3'	15 ^h 10'	9 ^h 48'	25 ^h 58'
T 23	12 1 17	2 ^h 13'33"	3 ^h 11'39"	29 ^h 7'	15 ^h 45'	27 ^h 30'	21 ^h 2'	26 ^h 45'	15 ^h 59'	0 ^h 4'	3 ^h 6'	14 ^h 1'	15 ^h 7'	9 ^h 55'	26 ^h 2'
W24	12 5 13	3 ^h 12'56"	17 ^h 37'	1 ^h Y 6'	16 ^h 47'	27 ^h 40'	20 ^h 54'	26 ^h 43'	16 ^h 0'	0 ^h 2'	3 ^h 8'	14 ^h D 0	15 ^h 3'	10 ^h 1'	26 ^h 6'
T 25	12 9 10	4 ^h 12'18"	1 ^h 41'	3 ^h 6'	17 ^h 48'	27 ^h 49'	20 ^h 47'	26 ^h 41'	16 ^h 2'	0 ^h 0'	3 ^h 9'	14 ^h R 1	15 ^h 0'	10 ^h 8'	26 ^h 9'
F 26	12 13 6	5 ^h 11'37"	15 ^h 48'	5 ^h 7'	18 ^h 50'	27 ^h 57'	20 ^h 39'	26 ^h 40'	16 ^h 4'	29 ^h 59'	3 ^h 10'	14 ^h 0'	14 ^h 57'	10 ^h 15'	26 ^h 13'
S 27	12 17 3	6 ^h 10'54"	29 ^h 59'	7 ^h 8'	19 ^h 52'	28 ^h 5'	20 ^h 32'	26 ^h 38'	16 ^h 5'	29 ^h 57'	3 ^h 11'	13 ^h 58'	14 ^h 54'	10 ^h 21'	26 ^h 16'
S 28	12 20 59	7 ^h 10'08"	14 ^h 01'	9 ^h 11'	20 ^h 54'	28 ^h 12'	20 ^h 25'	26 ^h 35'	16 ^h 7'	29 ^h 55'	3 ^h 12'	13 ^h 54'	14 ^h 51'	10 ^h 28'	26 ^h 20'
M29	12 24 56	8 ^h 9'20"	28 ^h 21'	11 ^h 14'	21 ^h 57'	28 ^h 19'	20 ^h 18'	26 ^h 33'	16 ^h 9'	29 ^h 54'	3 ^h 13'	13 ^h 46'	14 ^h 48'	10 ^h 34'	26 ^h 24'
T 30	12 28 52	9 ^h 8'30"	12 ^h 26'	13 ^h 18'	23 ^h 0'	28 ^h 25'	20 ^h 11'	26 ^h 31'	16 ^h 11'	29 ^h 52'	3 ^h 14'	13 ^h 37'	14 ^h 44'	10 ^h 41'	26 ^h 27'
W31	12 32 49	10 ^h Y 7'37"	26 ^h 21'	15 ^h Y22	24 ^h 3'	28 ^h 30'	20 ^h 4'	26 ^h 29'	16 ^h 12'	29 ^h 51'	3 ^h 15'	13 ^h 27'	14 ^h 41'	10 ^h 48'	26 ^h Y31

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7s43	19n26	4n26	16s28	1s55	17s13	3n59	16s44	1n34	3n51	1n32	17s20	2n14	22n46	0n 5
T 2	7 20	14 51	4 52	16 1	1 59	17 11	3 52	16 50	1 33	3 54	1 32	17 20	2 14	22 46	0 5
W 3	6 57	9 30	5 0	15 33	2 2	17 8	3 45	16 55	1 33	3 57	1 32	17 20	2 14	22 46	0 5
T 4	6 34	3 46	4 49	15 4	2 5	17 5	3 38	17 0	1 33	4 0	1 32	17 19	2 14	22 46	0 5
F 5	6 11	2s 0	4 22	14 33	2 7	17 1	3 31	17 5	1 32	4 4	1 32	17 19	2 15	22 46	0 5
S 6	5 48	7 32	3 41	14 1	2 9	16 57	3 24	17 10	1 32	4 7	1 32	17 19	2 15	22 47	0 5
S 7	5 25	12 34	2 50	13 28	2 10	16 53	3 18	17 15	1 31	4 10	1 33	17 19	2 15	22 47	0 5
M 8	5 1	16 57	1 52	12 53	2 12	16 48	3 11	17 20	1 31	4 13	1 33	17 19	2 15	22 47	0 5
T 9	4 38	20 31	0 50	12 18	2 12	16 43	3 4	17 25	1 30	4 16	1 33	17 19	2 15	22 47	0 5
W10	4 14	23 8	0s13	11 40	2 13	16 37	2 57	17 30	1 30	4 19	1 33	17 18	2 16	22 47	0 5
T 11	3 51	24 43	1 15	11 2	2 12	16 31	2 50	17 34	1 29	4 22	1 33	17 18	2 16	22 47	0 5
F 12	3 27	25 10	2 13	10 22	2 12	16 24	2 44	17 39	1 28	4 25	1 33	17 18	2 16	22 47	0 5
S 13	3 4	24 29	3 6	9 41	2 11	16 17	2 37	17 43	1 28	4 29	1 33	17 17	2 16	22 47	0 5
S 14	2 40	22 40	3 51	8 59	2 9	16 9	2 30	17 47	1 27	4 32	1 33	17 17	2 16	22 47	0 5
M15	2 16	19 48	4 27	8 16	2 7	16 1	2 24	17 51	1 27	4 35	1 33	17 17	2 16	22 47	0 5
T 16	1 53	15 59	4 51	7 31	2 5	15 52	2 17	17 55	1 26	4 38	1 33	17 16	2 17	22 48	0 5
W17	1 29	11 24	5 0	6 45	2 1	15 43	2 11	17 59	1 25	4 41	1 33	17 16	2 17	22 48	0 5
T 18	1 5	6 13	4 55	5 58	1 58	15 34	2 4	18 3	1 24	4 44	1 33	17 16	2 17	22 48	0 5
F 19	0 42	0 39	4 34	5 10	1 54	15 24	1 58	18 6	1 24	4 47	1 33	17 15	2 17	22 48	0 5
S 20	0 18	5n 3	3 57	4 20	1 49	15 13	1 52	18 10	1 23	4 50	1 33	17 15	2 17	22 48	0 5
S 21	0n 6	10 36	3 7	3 30	1 44	15 2	1 45	18 13	1 22	4 53	1 33	17 14	2 17	22 48	0 5
M22	0 30	15 42	2 5	2 38	1 39	14 51	1 39	18 16	1 21	4 56	1 33	17 14	2 18	22 48	0 5
T 23	0 53	20 1	0 55	1 46	1 32	14 39	1 33	18 20	1 20	4 59	1 33	17 13	2 18	22 49	0 5
W24	1 17	23 13	0n19	0 52	1 26	14 27	1 27	18 23	1 19	5 2	1 33	17 13	2 18	22 49	0 5
T 25	1 40	25 0	1 32	0n 2	1 19	14 14	1 21	18 26	1 18	5 5	1 33	17 12	2 18	22 49	0 5
F 26	2 4	25 11	2 40	0 57	1 11	14 1	1 15	18 28	1 17	5 8	1 33	17 11	2 18	22 49	0 5
S 27	2 27	23 44	3 39	1 53	1 3	13 47	1 9	18 31	1 16	5 11	1 33	17 11	2 18	22 49	

SWISS EPHEMERIS for the year 1779

APRIL 1779

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	12 36 46	11°Y 6'42"	10°Ω 2'	17°Y26	25°Ω 6'	28°M35	19°R57	26°R26	16°II14	29°R49	3°Ω16	13°R16	14°II38	10°Ω54	26°Y35
F 2	12 40 42	12° 5'46"	23°26	19°29	26°10	28°38	19°M50	26°M24	16°16	29°M47	3°17	13°II 7	14°35	11° 1	26°38
S 3	12 44 39	13° 4'47"	6°M30	21°32	27°14	28°42	19°43	26°21	16°18	29°46	3°18	12°59	14°32	11° 8	26°42
S 4	12 48 35	14° 3'46"	19°14	23°35	28°18	28°44	19°37	26°19	16°20	29°44	3°18	12°54	14°28	11°14	26°46
M 5	12 52 32	15° 2'44"	1°X40	25°36	29°22	28°46	19°30	26°16	16°22	29°43	3°19	12°52	14°25	11°21	26°49
T 6	12 56 28	16° 1'40"	13°49	27°35	0°X27	28°47	19°24	26°13	16°24	29°41	3°20	12°D51	14°22	11°28	26°53
W 7	13 0 25	17° 0'34"	25°48	29°33	1°32	28°R47	19°18	26°10	16°27	29°39	3°21	12°51	14°19	11°34	26°57
T 8	13 4 21	17°59'26"	7°Ω39	1°Ω28	2°37	28°47	19°12	26° 7	16°29	29°38	3°22	12°52	14°16	11°41	27° 1
F 9	13 8 18	18°58'16"	19°28	3°21	3°42	28°46	19° 6	26° 4	16°31	29°36	3°22	12°R53	14°13	11°48	27° 5
S 10	13 12 15	19°57'05"	1°Ω21	5°11	4°47	28°44	19° 0	26° 1	16°33	29°35	3°23	12°52	14° 9	11°54	27° 8
S 11	13 16 11	20°55'52"	13°22	6°57	5°53	28°42	18°54	25°58	16°36	29°33	3°24	12°49	14° 6	12° 1	27°12
M12	13 20 8	21°54'37"	25°37	8°40	6°59	28°38	18°48	25°55	16°38	29°32	3°24	12°45	14° 3	12° 8	27°16
T 13	13 24 4	22°53'21"	8°X 8	10°19	8° 5	28°34	18°43	25°51	16°40	29°30	3°25	12°38	14° 0	12°14	27°20
W14	13 28 1	23°52'02"	20°59	11°54	9°11	28°29	18°38	25°48	16°43	29°29	3°26	12°30	13°07	12°21	27°23
T 15	13 31 57	24°50'42"	4°Y10	13°25	10°17	28°23	18°33	25°45	16°45	29°27	3°26	12°22	13°53	12°28	27°27
F 16	13 35 54	25°49'20"	17°41	14°51	11°23	28°17	18°28	25°41	16°48	29°26	3°27	12°14	13°50	12°34	27°31
S 17	13 39 50	26°47'56"	1°Ω30	16°12	12°30	28°10	18°23	25°37	16°50	29°24	3°27	12° 7	13°47	12°41	27°35
S 18	13 43 47	27°46'30"	15°32	17°29	13°37	28° 2	18°18	25°34	16°53	29°23	3°28	12° 3	13°44	12°48	27°39
M19	13 47 43	28°45'02"	29°44	18°41	14°43	27°53	18°13	25°30	16°55	29°22	3°28	12° 0	13°41	12°54	27°42
T 20	13 51 40	29°43'33"	14°II 1	19°47	15°50	27°43	18° 9	25°26	16°58	29°20	3°28	11°D59	13°38	13° 1	27°46
W21	13 55 37	0°Ω42'01"	28°20	20°49	16°58	27°33	18° 5	25°22	17° 1	29°19	3°29	12° 0	13°34	13° 8	27°50
T 22	13 59 33	1°40'27"	12°Ω36	21°45	18° 5	27°22	18° 1	25°19	17° 3	29°17	3°29	12° 1	13°31	13°14	27°54
F 23	14 3 30	2°38'51"	26°49	22°36	19°12	27°10	17°57	25°15	17° 6	29°16	3°30	12°R 2	13°28	13°21	27°58
S 24	14 7 26	3°37'12"	10°Ω55	23°21	20°20	26°58	17°53	25°11	17° 9	29°15	3°30	12° 2	13°25	13°28	28° 2
S 25	14 11 23	4°35'32"	24°54	24° 1	21°27	26°45	17°50	25° 7	17°12	29°13	3°30	12° 1	13°22	13°34	28° 5
M26	14 15 19	5°33'49"	8°M44	24°36	22°35	26°31	17°46	25° 3	17°15	29°12	3°30	11°57	13°19	13°41	28° 9
T 27	14 19 16	6°32'04"	22°24	25° 5	23°43	26°16	17°43	24°59	17°18	29°11	3°31	11°53	13°15	13°48	28°13
W28	14 23 13	7°30'17"	5°Ω53	25°28	24°51	26° 1	17°40	24°54	17°20	29°10	3°31	11°47	13°12	13°54	28°17
T 29	14 27 9	8°28'28"	19° 8	25°46	25°59	25°45	17°37	24°50	17°23	29° 9	3°31	11°42	13° 9	14° 1	28°20
F 30	14 31 6	9°26'38"	2°M 9	25°Ω59	27°X 7	25°M29	17°M34	24°M46	17°II26	29°M 7	3°Ω31	11°II37	13°II 6	14°Ω 8	28°Y24

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n24	0n11	4n31	6n38	0s15	12s32	0n41	18s43	1n10	5n24	1n33	17s 8	2n19	22n50	0n 5
F 2	4 47	5s31	3 52	7 35	0 4	12 16	0 35	18 45	1 9	5 27	1 32	17 7	2 19	22 50	0 5
S 3	5 10	10 51	3 2	8 31	0n 7	11 59	0 30	18 47	1 8	5 29	1 32	17 6	2 19	22 51	0 5
S 4	5 33	15 35	2 3	9 27	0 18	11 42	0 24	18 49	1 7	5 32	1 32	17 5	2 20	22 51	0 5
M 5	5 56	19 33	1 0	10 22	0 30	11 24	0 19	18 51	1 5	5 34	1 32	17 5	2 20	22 51	0 5
T 6	6 19	22 34	0s 5	11 16	0 41	11 7	0 14	18 53	1 4	5 37	1 32	17 4	2 20	22 51	0 5
W 7	6 41	24 33	1 9	12 9	0 53	10 48	0 9	18 54	1 2	5 39	1 32	17 3	2 20	22 51	0 5
T 8	7 4	25 24	2 9	13 0	1 4	10 30	0 4	18 56	1 1	5 41	1 32	17 2	2 20	22 52	0 5
F 9	7 26	25 5	3 4	13 49	1 15	10 11	0s 1	18 57	0 59	5 44	1 32	17 1	2 20	22 52	0 5
S 10	7 49	23 38	3 51	14 36	1 26	9 51	0 6	18 58	0 57	5 46	1 32	17 1	2 20	22 52	0 5
S 11	8 11	21 6	4 28	15 22	1 36	9 32	0 10	18 59	0 56	5 48	1 31	17 0	2 20	22 52	0 5
M12	8 33	17 36	4 54	16 5	1 46	9 11	0 15	19 0	0 54	5 50	1 31	16 59	2 20	22 53	0 5
T 13	8 55	13 16	5 6	16 46	1 56	8 51	0 19	19 1	0 52	5 52	1 31	16 58	2 21	22 53	0 5
W14	9 16	8 14	5 4	17 24	2 4	8 30	0 24	19 2	0 50	5 54	1 31	16 57	2 21	22 53	0 5
T 15	9 38	2 42	4 46	18 0	2 13	8 9	0 28	19 2	0 49	5 56	1 31	16 56	2 21	22 53	0 5
F 16	9 59	3n 5	4 11	18 33	2 20	7 48	0 32	19 3	0 47	5 58	1 31	16 55	2 21	22 54	0 5
S 17	10 21	8 52	3 21	19 3	2 27	7 26	0 37	19 3	0 45	5 59	1 31	16 54	2 21	22 54	0 5
S 18	10 42	14 18	2 18	19 31	2 33	7 5	0 41	19 3	0 43	6 1	1 30	16 53	2 21	22 54	0 5
M19	11 3	19 3	1 6	19 56	2 38	6 42	0 44	19 3	0 41	6 3	1 30	16 53	2 21	22 54	0 5
T 20	11 23	22 42	0n11	20 18	2 42	6 20	0 48	19 3	0 38	6 4	1 30	16 52	2 21	22 55	0 5
W21	11 44	24 55	1 28	20 38	2 45	5 57	0 52	19 3	0 36	6 6	1 30	16 51	2 21	22 55	0 5
T 22	12 4	25 30	2 39	20 55	2 47	5 34	0 56	19 3	0 34	6 7	1 30	16 50	2 21	22 55	0 5
F 23	12 24	24 24	3 39	21 9	2 48	5 11	0 59	19 2	0 32	6 9	1 30	16 49	2 21	22 56	0 5
S 24	12 44	21 47	4 27	21 21	2 48	4 48	1 3	19 1	0 29	6 10	1 29	16 48	2 21	22 56	0 5
S 25	13 4	17 54	4 57	21 30	2 47	4 24	1 6	19 1	0 27	6 11	1 29	16 47	2 21	22 56	0 5
M26	13 24	13 6	5 10	21 36	2 45	4 0	1 9	19 0	0 25	6 12	1 29	16 46	2 22	22 56	0 5
T 27	13 43	7 42	5 6	21 40	2 41	3 36	1 12	18 59	0 22	6 13	1 29	16 45	2 22	22 57	0 5
W28	14 2	2 1	4 44	21 41	2 37	3 12	1 15	18 58	0 20	6 14	1 29	16 44	2 22	22 57	0 5
T 29	14 21	3s41	4 8	21 40	2 31	2 48	1 18	18 57	0 17	6 15	1 28	16 43	2 22	22 57	0 5
F 30	14n39	9s 7	3n19	21n36	2n24	2s23	1s21	18s55	0n15	6n16	1n28	16s42	2n22	22n57	0n 5

Julian Day Number = 2370916.5, Delta T = 16.44 sec
 Ecliptic obliquity = 23°28'08", Nutation = - 0°00'17"
 Ayanamsha: Fagan/Bradley = 21°39'30", Lahiri = 20°46'30"Greg. Calendar

SWISS EPHEMERIS for the year 1779

MAY 1779

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
S 1	14 35 2	10♌24'46	14♍54	26♋6	28♌15	25°R12	17°R32	24°R42	17♈29	29°R 6	3♋31	11°R33	13♈3	14♌14	28♌28
S 2	14 38 59	11°22'52	27°25	26°R 7	29°23	24♍55	17♉30	24♍37	17°32	29♈5	3°31	11♈31	12°59	14°21	28°32
M 3	14 42 55	12°20'56	9♌43	26° 4	0♈32	24°36	17°28	24°33	17°35	29° 4	3°31	11°D30	12°56	14°28	28°35
T 4	14 46 52	13°18'59	21°48	25°56	1°40	24°18	17°26	24°29	17°38	29° 3	3°31	11°30	12°53	14°34	28°39
W 5	14 50 48	14°17'01	3♌44	25°43	2°49	23°59	17°24	24°24	17°42	29° 2	3°R31	11°32	12°50	14°41	28°43
T 6	14 54 45	15°15'01	15°35	25°25	3°58	23°40	17°22	24°20	17°45	29° 1	3°31	11°33	12°47	14°48	28°46
F 7	14 58 42	16°12'59	27°25	25° 4	5° 7	23°20	17°21	24°16	17°48	29° 0	3°31	11°35	12°44	14°54	28°50
S 8	15 2 38	17°10'57	9♌18	24°39	6°16	23° 0	17°19	24°11	17°51	28°59	3°31	11°36	12°40	15° 1	28°54
S 9	15 6 35	18° 8'53	21°20	24°11	7°25	22°39	17°18	24° 7	17°54	28°58	3°31	11°R36	12°37	15° 8	28°58
M10	15 10 31	19° 6'47	3♌34	23°40	8°34	22°18	17°18	24° 2	17°57	28°57	3°31	11°36	12°34	15°14	29° 1
T 11	15 14 28	20° 4'41	16° 6	23° 7	9°43	21°57	17°17	23°58	18° 1	28°56	3°31	11°34	12°31	15°21	29° 5
W12	15 18 24	21° 2'33	28°59	22°33	10°52	21°36	17°16	23°53	18° 4	28°55	3°31	11°31	12°28	15°28	29° 8
T 13	15 22 21	22° 0'24	12♌15	21°58	12° 1	21°15	17°16	23°49	18° 7	28°54	3°31	11°29	12°25	15°34	29°12
F 14	15 26 17	22°58'13	25°55	21°22	13°11	20°53	17°D16	23°44	18°10	28°53	3°30	11°26	12°21	15°41	29°16
S 15	15 30 14	23°56'02	9♌57	20°47	14°20	20°32	17°16	23°40	18°14	28°53	3°30	11°24	12°18	15°48	29°19
S 16	15 34 10	24°53'49	24°19	20°13	15°30	20°10	17°16	23°36	18°17	28°52	3°30	11°22	12°15	15°54	29°23
M17	15 38 7	25°51'34	8♈54	19°41	16°39	19°49	17°16	23°31	18°20	28°51	3°29	11°D22	12°12	16° 1	29°26
T 18	15 42 4	26°49'19	23°37	19°11	17°49	19°27	17°17	23°27	18°24	28°50	3°29	11°22	12° 9	16° 8	29°30
W19	15 46 0	27°47'02	8♌21	18°43	18°59	19° 6	17°18	23°22	18°27	28°50	3°29	11°23	12° 5	16°14	29°33
T 20	15 49 57	28°44'43	22°59	18°18	20° 9	18°45	17°19	23°18	18°31	28°49	3°28	11°24	12° 2	16°21	29°37
F 21	15 53 53	29°42'23	7♈27	17°57	21°18	18°24	17°20	23°13	18°34	28°48	3°28	11°25	11°59	16°28	29°40
S 22	15 57 50	0♈40'01	21°41	17°39	22°28	18° 4	17°21	23° 9	18°37	28°48	3°27	11°25	11°56	16°34	29°43
S 23	16 1 46	1°37'38	5♈38	17°26	23°38	17°43	17°23	23° 4	18°41	28°47	3°27	11°R25	11°53	16°41	29°47
M24	16 5 43	2°35'13	19°19	17°16	24°48	17°24	17°24	23° 0	18°44	28°47	3°26	11°25	11°50	16°48	29°50
T 25	16 9 40	3°32'46	2♌43	17°11	25°58	17° 4	17°26	22°56	18°48	28°46	3°26	11°24	11°46	16°54	29°53
W26	16 13 36	4°30'18	15°51	17°D10	27° 8	16°45	17°28	22°51	18°51	28°46	3°25	11°24	11°43	17° 1	29°57
T 27	16 17 33	5°27'49	28°44	17°14	28°19	16°27	17°30	22°47	18°55	28°45	3°25	11°23	11°40	17° 8	29°59
F 28	16 21 29	6°25'19	11♈23	17°22	29°29	16° 9	17°33	22°43	18°58	28°45	3°24	11°22	11°37	17°14	0♌ 3
S 29	16 25 26	7°22'47	23°50	17°35	0♌39	15°51	17°35	22°38	19° 2	28°44	3°24	11°22	11°34	17°21	0° 6
S 30	16 29 22	8°20'15	6♌ 6	17°52	1°49	15°34	17°38	22°34	19° 5	28°44	3°23	11°D22	11°30	17°28	0°10
MB1	16 33 19	9♈17'41	18♌12	18♌13	3♌ 0	15♈18	17♈41	22♈30	19♈ 9	28♈44	3♈22	11♈22	11♈27	17♌34	0♌13

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇		♁		♂		♁		
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	14n58	14s 5	2n20	21n30	2n16	1s59	1s24	18s54	0n12	6n17	1n28	16s41	2n22	22n58	0n 5	1n40	1n26	23s44	4s28	22n12	22n24	25s22	10n55	0s 1	
S 2	15 16 18	22 1	1 16	21 21	2 6	1 34	1 27	18 52	0 9	6 18	1 28	16 39	2 22	22 58	0 5	1 40	1 26	23 44	4 28	22 11	22 23	25 22	10 57	0 1	
M 3	15 34 21	46 0	10 10	21 10	1 55	1 9	1 29	18 50	0 7	6 18	1 28	16 38	2 22	22 58	0 5	1 41	1 26	23 44	4 28	22 11	22 23	25 22	10 58	0 1	
T 4	15 51 24	9 0	05s56	20 56	1 44	0 44	1 32	18 49	0 4	6 19	1 27	16 37	2 22	22 59	0 5	1 41	1 26	23 44	4 28	22 11	22 22	25 22	10 59	0 1	
W 5	16 9 25	24 1	59 20	41 1	31 0	19 1	34 18	47 0	1 6	19 1	27 16	36 2	22 22	59 0	5	1 42	1 26	23 44	4 29	22 12	22 22	25 22	11 0	0 2	
T 6	16 26 25	29 2	56 20	23 1	17 0n	6 1	36 18	44 0s	2 6	20 1	27 16	35 2	22 22	59 0	5	1 42	1 26	23 45	4 29	22 12	22 21	25 22	11 2	0 2	
F 7	16 43 24	24 3	46 20	4 1	2 0	32 1	38 18	42 0	5 6	20 1	27 16	34 2	22 22	59 0	5	1 42	1 26	23 45	4 29	22 12	22 21	25 22	11 3	0 2	
S 8	16 59 22	14 4	3 26	19 42	0 47	0 57	1 40	18 40	0 8	6 20	1 27	16 33	2 22	23 0	0	5	1 43	1 25	23 45	4 29	22 12	22 21	25 22	11 4	0 2
S 9	17 15 19	4 4	56 19	20 0	30 1	23 1	42 18	38 0	10 6	21 1	26 16	32 2	22 23	0 0	5	1 43	1 25	23 45	4 30	22 12	22 20	25 22	11 5	0 2	
M10	17 31 15	3 5	12 18	56 0	13 1	48 1	44 18	35 0	13 6	21 1	26 16	31 2	22 23	0 0	5	1 44	1 25	23 46	4 30	22 12	22 20	25 22	11 7	0 2	
T 11	17 47 10	19 5	14 18	31 0s	4 2	14 1	46 18	32 0	16 6	21 1	26 16	30 2	22 23	1 0	5	1 44	1 25	23 46	4 30	22 12	22 19	25 22	11 8	0 2	
W12	18 2 5 0	5 1	18 5	0 21	2 40	1 47	18 30	0 19	6 21	1 26	16 29	2 22	23 1	0 5	1 44	1 25	23 46	4 30	22 12	22 19	25 22	11 9	0 2		
T 13	18 17 0n41	4 31	17 39	0 39	3 5	1 49	18 27	0 22	6 21	1 25	16 28	2 22	23 1	0 5	1 44	1 25	23 46	4 30	22 11	22 19	25 22	11 10	0 2		
F 14	18 32 6 31	3 45	17 13	0 56	3 31	1 50	18 24	0 25	6 21	1 25	16 27	2 22	23 2	0 5	1 45	1 25	23 47	4 31	22 11	22 18	25 22	11 11	0 2		
S 15	18 47 12 12	2 45	16 48	1 13	3 57	1 52	18 21	0 28	6 20	1 25	16 26	2 22	23 2	0 5	1 45	1 25	23 47	4 31	22 11	22 18	25 21	11 13	0 2		
S 16	19 1 17 22	1 33	16 22	1 30	4 22	1 53	18 18	0 31	6 20	1 25	16 25	2 21	23 2	0 5	1 45	1 25	23 47	4 31	22 10	22 17	25 21	11 14	0 2		
M17	19 15 21 35	0 14	15 58	1 46	4 48	1 54	18 15	0 34	6 20	1 25	16 24	2 21	23 2	0 5	1 46	1 25	23 47	4 31	22 10	22 17	25 21	11 15	0 2		
T 18	19 28 24 26	1n 7	15 35	2 2	5 14	1 55	18 12	0 37	6 19	1 24	16 23	2 21	23 3	0 5	1 46	1 25	23 48	4 31	22 10	22 17	25 21	11 16	0 3		
W19	19 41 25 36	2 24	15 13	2 17	5 39	1 56	18 9	0 40	6 19	1 24	16 21	2 21	23 3	0 5	1 46	1 25	23 48	4 32	22 10	22 16	25 21	11 17	0 3		
T 20	19 54 24 58	3 31	14 53	2 31	6 5	1 57	18 6	0 43	6 18	1 24	16 20	2 21	23 3	0 5	1 46	1 25	23 48	4 32	22 11	22 16	25 21	11 18	0 3		
F 21	20 7 22 40	4 23	14 35	2 44	6 30	1 57	18 3	0 46	6 18	1 24	16 19	2 21	23 4	0 5	1 47	1 25	23 48	4 32	22 11	22 15	25 21	11 19	0 3		
S 22	20 19 19 0	4 58	14 19	2 55	6 56	1 58	18 0	0 48	6 17	1 23	16 18	2 21	23 4	0 5	1 47	1 25	23 49	4 32	22 11	22 15	25 21	11 21	0 3		
S 23	20 31 14 20	5 15	14 4	3 6	7 21	1 59	17 58	0 51	6 16	1 23	16 17	2 21	23 4	0 5	1 47	1 25	23 49	4 32	22 1						

SWISS EPHEMERIS for the year 1779

JUNE 1779

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
T 1	16 37 15	10II15'07	0☾10	18♂39	4♂10	15°R 2	17♎44	22°R26	19II12	28°R43	3°R22	11II22	11II24	17☾41	0♂16								
W 2	16 41 12	11°12'31	12° 3	19° 9	5°21	14♎47	17°47	22II22	19°16	28♎43	3≈21	11°R22	11°21	17°48	0°19								
T 3	16 45 9	12° 9'55	23°53	19°43	6°31	14°33	17°50	22°18	19°19	28°43	3°20	11°22	11°18	17°54	0°22								
F 4	16 49 5	13° 7'18	5≈43	20°22	7°42	14°19	17°54	22°14	19°23	28°43	3°19	11°21	11°15	18° 1	0°25								
S 5	16 53 2	14° 4'41	17°37	21° 4	8°53	14° 6	17°58	22°10	19°26	28°43	3°19	11°21	11°11	18° 8	0°28								
S 6	16 56 58	15° 2'03	29°38	21°51	10° 3	13°54	18° 1	22° 6	19°30	28°42	3°18	11°21	11° 8	18°14	0°31								
M 7	17 0 55	15°59'24	11☾51	22°41	11°14	13°43	18° 5	22° 2	19°34	28°42	3°17	11°D21	11° 5	18°21	0°34								
T 8	17 4 51	16°56'45	24°21	23°35	12°25	13°32	18°10	21°58	19°37	28°42	3°16	11°21	11° 2	18°28	0°37								
W 9	17 8 48	17°54'05	7♎10	24°32	13°36	13°22	18°14	21°54	19°41	28°42	3°15	11°21	10°59	18°34	0°40								
T 10	17 12 44	18°51'25	20°23	25°33	14°47	13°13	18°18	21°50	19°44	28°D42	3°14	11°22	10°56	18°41	0°43								
F 11	17 16 41	19°48'44	4♂ 2	26°38	15°58	13° 5	18°23	21°47	19°48	28°42	3°13	11°22	10°52	18°48	0°45								
S 12	17 20 38	20°46'03	18° 7	27°46	17° 9	12°57	18°28	21°43	19°51	28°42	3°12	11°23	10°49	18°55	0°48								
S 13	17 24 34	21°43'22	2II36	28°57	18°20	12°51	18°33	21°39	19°55	28°42	3°11	11°24	10°46	19° 1	0°51								
M14	17 28 31	22°40'40	17°24	0II12	19°31	12°45	18°38	21°36	19°59	28°43	3°11	11°R24	10°43	19° 8	0°54								
T 15	17 32 27	23°37'58	2☾25	1°31	20°42	12°40	18°43	21°32	20° 2	28°43	3°10	11°23	10°40	19°15	0°56								
W16	17 36 24	24°35'15	17°30	2°52	21°53	12°36	18°49	21°29	20° 6	28°43	3° 9	11°22	10°37	19°21	0°59								
T 17	17 40 20	25°32'31	2♂13	4°17	23° 4	12°33	18°54	21°26	20° 9	28°43	3° 7	11°20	10°33	19°28	1° 1								
F 18	17 44 17	26°29'47	17°18	5°45	24°15	12°30	19° 0	21°22	20°13	28°43	3° 6	11°19	10°30	19°35	1° 4								
S 19	17 48 13	27°27'02	1♎46	7°16	25°27	12°29	19° 6	21°19	20°16	28°44	3° 5	11°17	10°27	19°41	1° 6								
S 20	17 52 10	28°24'17	15°51	8°50	26°38	12°D28	19°12	21°16	20°20	28°44	3° 4	11°16	10°24	19°48	1° 9								
M21	17 56 7	29°21'30	29°32	10°27	27°49	12°28	19°18	21°13	20°23	28°44	3° 3	11°D16	10°21	19°55	1°11								
T 22	18 0 3	0☾18'43	12♂50	12° 8	29° 1	12°29	19°24	21°10	20°27	28°45	3° 2	11°16	10°17	20° 1	1°13								
W23	18 4 0	1°15'56	25°47	13°51	0II12	12°31	19°31	21° 7	20°31	28°45	3° 1	11°17	10°14	20° 8	1°16								
T 24	18 7 56	2°13'07	8♎26	15°38	1°24	12°33	19°37	21° 4	20°34	28°46	3° 0	11°19	10°11	20°15	1°18								
F 25	18 11 53	3°10'19	20°50	17°27	2°35	12°36	19°44	21° 2	20°38	28°46	2°59	11°20	10° 8	20°21	1°20								
S 26	18 15 49	4° 7'30	3♂ 2	19°19	3°47	12°41	19°51	20°59	20°41	28°47	2°57	11°21	10° 5	20°28	1°22								
S 27	18 19 46	5° 4'41	15° 5	21°14	4°58	12°45	19°58	20°56	20°45	28°47	2°56	11°R21	10° 2	20°35	1°25								
M28	18 23 42	6° 1'52	27° 1	23°11	6°10	12°51	20° 5	20°54	20°48	28°48	2°55	11°20	9°58	20°41	1°27								
T 29	18 27 39	6°59'02	8☾54	25°11	7°22	12°58	20°12	20°51	20°52	28°48	2°54	11°18	9°55	20°48	1°29								
W30	18 31 36	7☾56'13	20☾44	27II12	8II33	13II 5	20II19	20II49	20II55	28II49	2≈53	11II15	9II52	20☾55	1♂31								

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	22n 1	25s11	1s43	13n40	3s53	11n 3	1s59	17s34	1s16	6n 6	1n21	16s 9	2n20	23n 7	0n 5	1n48	1n25	23s52	4s34	22n10	22n11	25s19	11n31	0s 4
W 2	22 9	25 37	2 42	13 48	3 53	11 27	1 59	17 32	1 18	6 5	1 21	16 8	2 20	23 7	0 5	1 48	1 25	23 52	4 34	22 10	22 10	25 19	11 32	0 4
T 3	22 17	24 53	3 35	13 58	3 52	11 51	1 59	17 30	1 21	6 3	1 21	16 7	2 20	23 8	0 5	1 48	1 25	23 53	4 34	22 10	22 10	25 19	11 33	0 4
F 4	22 24	23 2	4 18	14 10	3 50	12 14	1 58	17 29	1 23	6 1	1 21	16 6	2 20	23 8	0 5	1 48	1 25	23 53	4 35	22 10	22 9	25 19	11 34	0 4
S 5	22 31	20 11	4 51	14 23	3 47	12 37	1 57	17 27	1 25	6 0	1 20	16 5	2 20	23 8	0 5	1 48	1 25	23 54	4 35	22 10	22 9	25 18	11 35	0 4
S 6	22 38	16 27	5 11	14 39	3 44	13 0	1 57	17 25	1 28	5 58	1 20	16 4	2 19	23 8	0 5	1 48	1 24	23 54	4 35	22 10	22 8	25 18	11 36	0 4
M 7	22 44	12 0	5 17	14 55	3 39	13 23	1 56	17 24	1 30	5 56	1 20	16 3	2 19	23 9	0 5	1 48	1 24	23 54	4 35	22 10	22 8	25 18	11 37	0 4
T 8	22 50	6 59	5 9	15 14	3 34	13 45	1 55	17 23	1 32	5 54	1 20	16 2	2 19	23 9	0 5	1 48	1 24	23 55	4 35	22 10	22 7	25 18	11 38	0 4
W 9	22 55	1 32	4 46	15 33	3 29	14 7	1 54	17 22	1 34	5 53	1 19	16 2	2 19	23 9	0 5	1 48	1 24	23 55	4 36	22 10	22 7	25 18	11 39	0 4
T 10	23 0	4n10	4 7	15 54	3 22	14 29	1 53	17 21	1 36	5 51	1 19	16 1	2 19	23 10	0 5	1 48	1 24	23 55	4 36	22 10	22 7	25 17	11 40	0 4
F 11	23 5	9 51	3 13	16 16	3 15	14 51	1 52	17 21	1 38	5 49	1 19	16 0	2 19	23 10	0 5	1 48	1 24	23 56	4 36	22 10	22 6	25 17	11 41	0 4
S 12	23 9	15 14	2 6	16 38	3 8	15 12	1 51	17 20	1 40	5 47	1 19	15 59	2 18	23 10	0 5	1 48	1 24	23 56	4 36	22 10	22 6	25 17	11 42	0 5
S 13	23 13	19 55	0 49	17 2	2 59	15 33	1 50	17 20	1 42	5 44	1 19	15 58	2 18	23 10	0 5	1 48	1 24	23 57	4 36	22 10	22 5	25 17	11 43	0 5
M14	23 16	23 25	0n33	17 26	2 51	15 53	1 49	17 20	1 44	5 42	1 18	15 58	2 18	23 11	0 5	1 48	1 24	23 57	4 36	22 10	22 5	25 16	11 43	0 5
T 15	23 19	25 21	1 54	17 51	2 41	16 14	1 47	17 20	1 46	5 40	1 18	15 57	2 18	23 11	0 5	1 48	1 24	23 57	4 37	22 10	22 4	25 16	11 44	0 5
W16	23 21	25 25	3 7	18 17	2 32	16 33	1 46	17 21	1 48	5 38	1 18	15 56	2 18	23 11	0 5	1 48	1 24	23 58	4 37	22 10	22 4	25 16	11 45	0 5
T 17	23 24	23 37	4 7	18 42	2 22	16 53	1 44	17 22	1 50	5 35	1 18	15 56	2 18	23 12	0 5	1 48	1 24	23 58	4 37	22 10	22 3	25 15	11 46	0 5
F 18	23 25	20 15	4 49	19 8	2 11	17 12	1 43	17 22	1 51	5 33	1 18	15 55	2 17	23 12	0 5	1 48	1 24	23 59	4 37	22 10	22 3	25 15	11 47	0 5
S 19	23 27	15 42	5 12	19 34	2 0	17 31	1 41	17 23	1 53	5 30	1 17	15 54	2 17	23 12	0 5	1 47	1 24	23 59	4 37	22 10	22 3	25 15	11 48	0 5
S 20	23 28	10 25	5 15	20 0	1 49	17 49	1 39	17 25	1 54	5 28	1 17	15 54	2 17	23 12	0 5	1 47	1 24	23 59	4 37	22 9	22 2	25 15	11 48	0 5
M21	23 28	4 46	5 0	20 26	1 38	18 7	1 38	17 26	1 56	5 25	1 17	15 53	2 17	23 13	0 5	1 47	1 24	24 0	4 38	22 9	22 2	25 14	11 49	0 5
T 22	23 28	0s56	4 29	20 51	1 26	18 24	1 36	17 28	1 57	5 23	1 17	15 53	2 17	23 13	0 5	1 47	1 24	24 0	4 38	22 9	22 1	25 14	11 50	0 5
W23	23 28	6 28	3 46	21 16	1 14	18 41	1 34	17 30	1 59	5 20	1 17	15 52	2 16	23 13	0 5	1 47	1 24	24 1	4 38	22 10	22 1	25 14	11 51	0 5
T 24	23 27	11 37	2 52	21 39	1 2	18 58	1 32	17 32	2 0	5 17	1 16	15 51	2 16	23 13	0 5	1 46	1 24	24 1	4 38	22 10	22 0	25 13	11 51	0 6
F 25	23 26																							

SWISS EPHEMERIS for the year 1779

JULY 1779

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	18 35 32	8 ^h 53'23"	2 ^h 34'	29 ^h 16'	9 ^h 45'	13 ^h 13'	20 ^h 27'	20 ^h R47'	20 ^h 58'	28 ^h 50'	2 ^h R51'	11 ^h R10'	9 ^h 49'	21 ^h 31'	1 ^h 33'
F 2	18 39 29	9 ^h 50'34"	14 ^h 26'	1 ^h 22'	10 ^h 57'	13 ^h 21'	20 ^h 34'	20 ^h M45'	21 ^h 2'	28 ^h 50'	2 ^h 50'	11 ^h 6'	9 ^h 46'	21 ^h 8'	1 ^h 35'
S 3	18 43 25	10 ^h 47'44"	26 ^h 23'	3 ^h 28'	12 ^h 9'	13 ^h 31'	20 ^h 42'	20 ^h 43'	21 ^h 5'	28 ^h 51'	2 ^h 49'	11 ^h 1'	9 ^h 43'	21 ^h 15'	1 ^h 36'
S 4	18 47 22	11 ^h 44'55"	8 ^h 27'	5 ^h 36'	13 ^h 21'	13 ^h 41'	20 ^h 50'	20 ^h 41'	21 ^h 9'	28 ^h 52'	2 ^h 48'	10 ^h 56'	9 ^h 39'	21 ^h 21'	1 ^h 38'
M 5	18 51 18	12 ^h 42'06"	20 ^h 41'	7 ^h 45'	14 ^h 32'	13 ^h 51'	20 ^h 58'	20 ^h 39'	21 ^h 12'	28 ^h 53'	2 ^h 46'	10 ^h 53'	9 ^h 36'	21 ^h 28'	1 ^h 40'
T 6	18 55 15	13 ^h 39'18"	3 ^h 9'	9 ^h 55'	15 ^h 44'	14 ^h 3'	21 ^h 6'	20 ^h 37'	21 ^h 15'	28 ^h 53'	2 ^h 45'	10 ^h 51'	9 ^h 33'	21 ^h 35'	1 ^h 42'
W 7	18 59 11	14 ^h 36'30"	15 ^h 55'	12 ^h 4'	16 ^h 56'	14 ^h 15'	21 ^h 14'	20 ^h 35'	21 ^h 19'	28 ^h 54'	2 ^h 44'	10 ^h D51'	9 ^h 30'	21 ^h 41'	1 ^h 43'
T 8	19 3 8	15 ^h 33'42"	2 ^h 9'	14 ^h 14'	18 ^h 8'	14 ^h 28'	21 ^h 22'	20 ^h 33'	21 ^h 22'	28 ^h 55'	2 ^h 42'	10 ^h 51'	9 ^h 27'	21 ^h 48'	1 ^h 45'
F 9	19 7 5	16 ^h 30'55"	12 ^h 34'	16 ^h 24'	19 ^h 21'	14 ^h 41'	21 ^h 31'	20 ^h 32'	21 ^h 25'	28 ^h 56'	2 ^h 41'	10 ^h 53'	9 ^h 23'	21 ^h 55'	1 ^h 46'
S 10	19 11 1	17 ^h 28'09"	26 ^h 32'	18 ^h 32'	20 ^h 33'	14 ^h 55'	21 ^h 39'	20 ^h 30'	21 ^h 29'	28 ^h 57'	2 ^h 40'	10 ^h 54'	9 ^h 20'	22 ^h 2'	1 ^h 48'
S 11	19 14 58	18 ^h 25'23"	10 ^h 56'	20 ^h 41'	21 ^h 45'	15 ^h 10'	21 ^h 48'	20 ^h 29'	21 ^h 32'	28 ^h 58'	2 ^h 38'	10 ^h R55'	9 ^h 17'	22 ^h 8'	1 ^h 49'
M12	19 18 54	19 ^h 22'37"	25 ^h 43'	22 ^h 48'	22 ^h 57'	15 ^h 25'	21 ^h 57'	20 ^h 28'	21 ^h 35'	28 ^h 59'	2 ^h 37'	10 ^h 54'	9 ^h 14'	22 ^h 15'	1 ^h 51'
T 13	19 22 51	20 ^h 19'53"	10 ^h 48'	24 ^h 54'	24 ^h 9'	15 ^h 41'	22 ^h 5'	20 ^h 27'	21 ^h 39'	29 ^h 0'	2 ^h 36'	10 ^h 51'	9 ^h 11'	22 ^h 22'	1 ^h 52'
W14	19 26 47	21 ^h 17'08"	26 ^h 3'	26 ^h 59'	25 ^h 22'	15 ^h 58'	22 ^h 14'	20 ^h 25'	21 ^h 42'	29 ^h 1'	2 ^h 34'	10 ^h 47'	9 ^h 8'	22 ^h 28'	1 ^h 53'
T 15	19 30 44	22 ^h 14'24"	11 ^h 16'	29 ^h 2'	26 ^h 34'	16 ^h 15'	22 ^h 23'	20 ^h 24'	21 ^h 45'	29 ^h 2'	2 ^h 33'	10 ^h 42'	9 ^h 4'	22 ^h 35'	1 ^h 55'
F 16	19 34 41	23 ^h 11'40"	26 ^h 18'	1 ^h 4'	27 ^h 46'	16 ^h 33'	22 ^h 33'	20 ^h 24'	21 ^h 48'	29 ^h 3'	2 ^h 32'	10 ^h 35'	9 ^h 1'	22 ^h 42'	1 ^h 56'
S 17	19 38 37	24 ^h 8'57"	11 ^h 0'	3 ^h 4'	28 ^h 59'	16 ^h 51'	22 ^h 42'	20 ^h 23'	21 ^h 51'	29 ^h 4'	2 ^h 30'	10 ^h 29'	8 ^h 58'	22 ^h 48'	1 ^h 57'
S 18	19 42 34	25 ^h 6'14"	25 ^h 16'	5 ^h 3'	0 ^h 51'	17 ^h 10'	22 ^h 51'	20 ^h 22'	21 ^h 54'	29 ^h 6'	2 ^h 29'	10 ^h 25'	8 ^h 55'	22 ^h 55'	1 ^h 58'
M19	19 46 30	26 ^h 3'31"	9 ^h 3'	7 ^h 0'	1 ^h 24'	17 ^h 29'	23 ^h 1'	20 ^h 21'	21 ^h 58'	29 ^h 7'	2 ^h 27'	10 ^h 22'	8 ^h 52'	23 ^h 2'	1 ^h 59'
T 20	19 50 27	27 ^h 0'48"	22 ^h 23'	8 ^h 56'	2 ^h 36'	17 ^h 49'	23 ^h 10'	20 ^h 21'	22 ^h 1'	29 ^h 8'	2 ^h 26'	10 ^h D20'	8 ^h 48'	23 ^h 8'	2 ^h 0'
W21	19 54 23	27 ^h 58'05"	5 ^h 17'	10 ^h 49'	3 ^h 49'	18 ^h 10'	23 ^h 20'	20 ^h 21'	22 ^h 4'	29 ^h 9'	2 ^h 25'	10 ^h 20'	8 ^h 45'	23 ^h 15'	2 ^h 1'
T 22	19 58 20	28 ^h 55'23"	17 ^h 50'	12 ^h 41'	5 ^h 1'	18 ^h 31'	23 ^h 30'	20 ^h 20'	22 ^h 7'	29 ^h 11'	2 ^h 23'	10 ^h 21'	8 ^h 42'	23 ^h 22'	2 ^h 2'
F 23	20 2 16	29 ^h 52'42"	0 ^h 7'	14 ^h 32'	6 ^h 14'	18 ^h 52'	23 ^h 39'	20 ^h 20'	22 ^h 10'	29 ^h 12'	2 ^h 22'	10 ^h 23'	8 ^h 39'	23 ^h 28'	2 ^h 3'
S 24	20 6 13	0 ^h 50'01"	12 ^h 10'	16 ^h 20'	7 ^h 27'	19 ^h 14'	23 ^h 49'	20 ^h 20'	22 ^h 13'	29 ^h 13'	2 ^h 20'	10 ^h R23'	8 ^h 36'	23 ^h 35'	2 ^h 3'
S 25	20 10 10	1 ^h 47'20"	24 ^h 6'	18 ^h 7'	8 ^h 39'	19 ^h 37'	23 ^h 59'	20 ^h D20'	22 ^h 16'	29 ^h 15'	2 ^h 19'	10 ^h 22'	8 ^h 33'	23 ^h 42'	2 ^h 4'
M26	20 14 6	2 ^h 44'40"	5 ^h 56'	19 ^h 52'	9 ^h 52'	20 ^h 0'	24 ^h 9'	20 ^h 20'	22 ^h 19'	29 ^h 16'	2 ^h 18'	10 ^h 19'	8 ^h 29'	23 ^h 48'	2 ^h 5'
T 27	20 18 3	3 ^h 42'01"	17 ^h 46'	21 ^h 35'	11 ^h 5'	20 ^h 23'	24 ^h 20'	20 ^h 20'	22 ^h 21'	29 ^h 17'	2 ^h 16'	10 ^h 13'	8 ^h 26'	23 ^h 55'	2 ^h 5'
W28	20 21 59	4 ^h 39'22"	29 ^h 36'	23 ^h 17'	12 ^h 18'	20 ^h 47'	24 ^h 30'	20 ^h 20'	22 ^h 24'	29 ^h 19'	2 ^h 15'	10 ^h 6'	8 ^h 23'	24 ^h 2'	2 ^h 6'
T 29	20 25 56	5 ^h 36'44"	11 ^h 29'	24 ^h 57'	13 ^h 31'	21 ^h 11'	24 ^h 40'	20 ^h 21'	22 ^h 27'	29 ^h 20'	2 ^h 13'	9 ^h 56'	8 ^h 20'	24 ^h 9'	2 ^h 6'
F 30	20 29 52	6 ^h 34'07"	23 ^h 27'	26 ^h 35'	14 ^h 44'	21 ^h 36'	24 ^h 51'	20 ^h 21'	22 ^h 30'	29 ^h 22'	2 ^h 12'	9 ^h 46'	8 ^h 17'	24 ^h 15'	2 ^h 7'
S 31	20 33 49	7 ^h 31'31"	5 ^h 30'	28 ^h 12'	15 ^h 56'	22 ^h 11'	25 ^h 1'	20 ^h M22'	22 ^h 33'	29 ^h 23'	2 ^h 11'	9 ^h 35'	8 ^h 14'	24 ^h 22'	2 ^h 7'

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n10	23s35	4s 5	23n47	0n19	20n40	1s18	17s52	2s 9	4n56	1n15	15s48	2n15	23n15	0n 6
F 2	23 6 20	20 58	4 39	23 57	0 29	20 52	1 15	17 56	2 10	4 53	1 15	15 48	2 14	23 15	0 6
S 3	23 2 17	28 5	2 24	4 0	3 39	21 4	1 13	18 0	2 11	4 50	1 15	15 48	2 14	23 16	0 6
S 4	22 57	13 14	5 12	24 10	0 49	21 16	1 11	18 4	2 12	4 47	1 14	15 47	2 14	23 16	0 6
M 5	22 52	8 25	5 8	24 12	0 58	21 27	1 8	18 8	2 13	4 43	1 14	15 47	2 14	23 16	0 6
T 6	22 46	3 10	4 49	24 12	1 6	21 37	1 6	18 12	2 14	4 40	1 14	15 47	2 14	23 16	0 6
W 7	22 40	2n20	4 16	24 8	1 13	21 47	1 3	18 17	2 15	4 37	1 14	15 47	2 13	23 17	0 6
T 8	22 34	7 54	3 29	24 2	1 20	21 56	1 1	18 21	2 16	4 33	1 14	15 46	2 13	23 17	0 6
F 9	22 27	13 16	2 28	23 54	1 27	22 4	0 58	18 26	2 17	4 30	1 14	15 46	2 13	23 17	0 6
S 10	22 20	18 9	1 18	23 42	1 32	22 12	0 56	18 31	2 17	4 26	1 13	15 46	2 13	23 17	0 6
S 11	22 12	22 7	0n 0	23 28	1 37	22 20	0 53	18 36	2 18	4 23	1 13	15 46	2 12	23 18	0 6
M12	22 4 24	44 1	1 20	23 11	1 40	22 26	0 51	18 41	2 19	4 19	1 13	15 46	2 12	23 18	0 6
T 13	21 56	25 36	2 35	22 52	1 44	22 32	0 48	18 47	2 20	4 16	1 13	15 46	2 12	23 18	0 6
W14	21 47	24 34	3 40	22 31	1 46	22 38	0 45	18 52	2 20	4 12	1 13	15 46	2 12	23 18	0 6
T 15	21 38	21 44	4 30	22 8	1 48	22 43	0 43	18 58	2 21	4 8	1 13	15 46	2 11	23 18	0 6
F 16	21 28	17 28	5 0	21 43	1 49	22 47	0 40	19 4	2 21	4 4	1 13	15 46	2 11	23 19	0 6
S 17	21 19	12 13	5 9	21 16	1 49	22 50	0 38	19 10	2 22	4 1	1 12	15 46	2 11	23 19	0 6
S 18	21 8	6 27	4 59	20 47	1 48	22 53	0 35	19 15	2 23	3 57	1 12	15 46	2 11	23 19	0 6
M19	20 58	0 34	4 32	20 17	1 47	22 55	0 32	19 22	2 23	3 53	1 12	15 46	2 10	23 19	0 6
T 20	20 47	5s10	3 50	19 45	1 46	22 57	0 30	19 28	2 24	3 49	1 12	15 46	2 10	23 19	0 6
W21	20 36	10 30	2 58	19 12	1 44	22 58	0 27	19 34	2 24	3 45	1 12	15 46	2 10	23 20	0 6
T 22	20 24	15 16	1 59	18 38	1 41	22 58	0 24	19 40	2 25	3 41	1 12	15 46	2 10	23 20	0 6
F 23	20 12	19 18	0 55	18 3	1 37	22 58	0 21	19 47	2 25	3 37	1 11	15 46	2 9	23 20	0 6
S 24	20 0	22 26	0s10	17 27	1 33	22 57	0 19	19 53	2 25	3 33	1 11	15 47	2 9	23 20	0 6
S 25	19 47	24 33	1 13	16 50	1 29	22 55	0 16	20 0	2 26	3 29	1 11	15 47	2 9	23 20	0 6
M26	19 34	25 33	2 13	16 12	1 24	22 53	0 13	20 6	2 26	3 25	1 11	15 47	2 9	23 21	0 6
T 27	19 21	25 22	3 7	15 34	1 19	22 50	0 11	20 13	2 26	3 20	1 11	15 47			

SWISS EPHEMERIS for the year 1779

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	20 37 45	8♎28°56	17♋42	29♎47	17♍9	22♎27	25♎12	20♎22	22♎35	29♎25	2°R 9	9°R25	8♎10	24♎29	2♎7
M 2	20 41 42	9°26'23	0♍2	1♎20	18°22	22°53	25°22	20°23	22°38	29°26	2°R 8	9♎17	8° 7	24°35	2° 8
T 3	20 45 39	10°23'50	14♌24	2°52	19°36	23°19	25°33	20°24	22°41	29°28	2° 7	9°12	8° 4	24°42	2° 8
W 4	20 49 35	11°21'19	25°21	4°21	20°49	23°46	25°44	20°25	22°43	29°30	2° 5	9° 8	8° 1	24°49	2° 8
T 5	20 53 32	12°18'49	8♌26	5°50	22° 2	24°13	25°55	20°26	22°46	29°31	2° 4	9°D 7	7°58	24°55	2° 8
F 6	20 57 28	13°16'20	21°50	7°16	23°15	24°41	26° 6	20°27	22°49	29°33	2° 2	9° 7	7°54	25° 2	2°R 8
S 7	21 1 25	14°13'53	5♎38	8°41	24°28	25° 9	26°17	20°28	22°51	29°35	2° 1	9°R 8	7°51	25° 9	2° 8
S 8	21 5 21	15°11'27	19°50	10° 4	25°42	25°37	26°28	20°29	22°54	29°36	2° 0	9° 7	7°48	25°15	2° 8
M 9	21 9 18	16° 9'03	4♍26	11°25	26°55	26° 6	26°39	20°31	22°56	29°38	1°58	9° 5	7°45	25°22	2° 8
T 10	21 13 14	17° 6'40	19°21	12°44	28° 8	26°35	26°50	20°32	22°59	29°40	1°57	9° 1	7°42	25°29	2° 8
W 11	21 17 11	18° 4'19	4♎29	14° 2	29°22	27° 4	27° 2	20°34	23° 1	29°41	1°56	8°53	7°39	25°35	2° 7
T 12	21 21 8	19° 1'59	19°40	15°17	0♎35	27°34	27°13	20°36	23° 3	29°43	1°54	8°44	7°35	25°42	2° 7
F 13	21 25 4	19°59'40	4♎44	16°31	1°49	28° 4	27°25	20°37	23° 6	29°45	1°53	8°34	7°32	25°49	2° 7
S 14	21 29 1	20°57'22	19°31	17°42	3° 2	28°35	27°36	20°39	23° 8	29°47	1°52	8°24	7°29	25°56	2° 6
S 15	21 32 57	21°55'05	3♎53	18°51	4°16	29° 5	27°48	20°41	23°10	29°49	1°50	8°15	7°26	26° 2	2° 6
M 16	21 36 54	22°52'49	17°47	19°59	5°29	29°36	27°59	20°43	23°12	29°51	1°49	8° 9	7°23	26° 9	2° 5
T 17	21 40 50	23°50'35	1♎11	21° 3	6°43	0♎8	28°11	20°46	23°15	29°52	1°48	8° 5	7°20	26°16	2° 5
W 18	21 44 47	24°48'22	14° 8	22° 6	7°56	0°40	28°23	20°48	23°17	29°54	1°47	8° 3	7°16	26°22	2° 4
T 19	21 48 43	25°46'10	26°42	23° 5	9°10	1°12	28°34	20°50	23°19	29°56	1°45	8°D 2	7°13	26°29	2° 3
F 20	21 52 40	26°43'59	8♎56	24° 2	10°24	1°44	28°46	20°53	23°21	29°58	1°44	8°R 3	7°10	26°36	2° 2
S 21	21 56 37	27°41'49	20°58	24°57	11°38	2°16	28°58	20°55	23°23	0♎0	1°43	8° 2	7° 7	26°42	2° 2
S 22	22 0 33	28°39'41	2♎51	25°48	12°51	2°49	29°10	20°58	23°25	0° 2	1°42	8° 0	7° 4	26°49	2° 1
M 23	22 4 30	29°37'33	14°40	26°36	14° 5	3°22	29°22	21° 1	23°27	0° 4	1°40	7°55	7° 0	26°56	2° 0
T 24	22 8 26	0♎35'28	26°29	27°20	15°19	3°56	29°34	21° 3	23°28	0° 6	1°39	7°48	6°57	27° 2	1°59
W 25	22 12 23	1°33'23	8♎22	28° 2	16°33	4°30	29°46	21° 6	23°30	0° 8	1°38	7°38	6°54	27° 9	1°58
T 26	22 16 19	2°31'20	20°21	28°39	17°47	5° 3	29°58	21° 9	23°32	0°10	1°37	7°25	6°51	27°16	1°57
F 27	22 20 16	3°29'19	2♎27	29°12	19° 1	5°38	0♎11	21°12	23°34	0°12	1°36	7°12	6°48	27°22	1°56
S 28	22 24 12	4°27'19	14°42	29°41	20°15	6°12	0°23	21°15	23°35	0°14	1°35	6°58	6°45	27°29	1°54
S 29	22 28 9	5°25'21	27° 6	0♎5	21°29	6°47	0°35	21°19	23°37	0°16	1°33	6°45	6°41	27°36	1°53
M 30	22 32 6	6°23'24	9♎40	0°25	22°43	7°22	0°47	21°22	23°39	0°18	1°32	6°35	6°38	27°43	1°52
T 31	22 36 2	7♎21'30	22°24	0♎39	23♎57	7♎57	1♎0	21♎25	23♎40	0♎20	1°31	6♎27	6♎35	27♎49	1♎51

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	18n10	9s29	5s 1	12n18	0n47	22n25	0n 3	20s47	2s28	2n59	1n10	15s49	2n 7	23n22	0n 6
M 2	17 55	4 20	4 45	11 38	0 39	22 18	0 5	20 54	2 28	2 55	1 10	15 50	2 7	23 22	0 6
T 3	17 39	1n 4	4 15	10 57	0 32	22 10	0 8	21 1	2 28	2 50	1 10	15 50	2 7	23 22	0 6
W 4	17 24	6 32	3 31	10 17	0 23	22 2	0 11	21 8	2 28	2 46	1 10	15 51	2 6	23 22	0 6
T 5	17 8	11 52	2 36	9 37	0 15	21 53	0 13	21 15	2 29	2 42	1 10	15 51	2 6	23 22	0 6
F 6	16 51	16 47	1 31	8 57	0 7	21 43	0 16	21 22	2 29	2 37	1 10	15 52	2 6	23 22	0 6
S 7	16 35	20 58	0 19	8 18	0s 2	21 33	0 18	21 29	2 29	2 33	1 10	15 52	2 5	23 23	0 6
S 8	16 18	24 1	0n57	7 38	0 11	21 22	0 21	21 36	2 29	2 28	1 10	15 53	2 5	23 23	0 6
M 9	16 1 25	34 2	10 6	6 59	0 20	21 11	0 23	21 43	2 29	2 24	1 9	15 54	2 5	23 23	0 6
T 10	15 44	25 19	3 17	6 20	0 30	20 59	0 26	21 50	2 29	2 19	1 9	15 54	2 5	23 23	0 6
W 11	15 26	23 12	4 10	5 41	0 39	20 46	0 28	21 57	2 29	2 14	1 9	15 55	2 4	23 23	0 6
T 12	15 8	19 27	4 46	5 3	0 49	20 33	0 30	22 4	2 29	2 10	1 9	15 56	2 4	23 23	0 6
F 13	14 50	14 27	5 1	4 26	0 59	20 19	0 33	22 11	2 29	2 5	1 9	15 56	2 4	23 23	0 6
S 14	14 32	8 42	4 56	3 49	1 9	20 4	0 35	22 17	2 29	2 1	1 9	15 57	2 4	23 23	0 6
S 15	14 13	2 37	4 33	3 13	1 18	19 49	0 37	22 24	2 29	1 56	1 9	15 58	2 3	23 24	0 6
M 16	13 54	3s23	3 53	2 37	1 29	19 34	0 40	22 31	2 29	1 51	1 9	15 59	2 3	23 24	0 6
T 17	13 35	9 3	3 2	2 2	1 39	19 17	0 42	22 38	2 29	1 46	1 9	15 59	2 3	23 24	0 6
W 18	13 16	14 8	2 3	1 28	1 49	19 1	0 44	22 45	2 29	1 42	1 9	16 0	2 3	23 24	0 6
T 19	12 57	18 28	1 0	0 56	1 59	18 43	0 46	22 51	2 29	1 37	1 8	16 1	2 2	23 24	0 6
F 20	12 37	21 54	0s 5	0 24	2 9	18 26	0 48	22 58	2 29	1 32	1 8	16 2	2 2	23 24	0 6
S 21	12 17	24 17	1 8	0s 7	2 19	18 7	0 50	23 4	2 29	1 27	1 8	16 3	2 2	23 24	0 6
S 22	11 57	25 34	2 7	0 37	2 29	17 48	0 52	23 11	2 29	1 22	1 8	16 4	2 2	23 24	0 6
M 23	11 37	25 39	3 1	1 5	2 39	17 29	0 54	23 17	2 28	1 18	1 8	16 5	2 2	23 25	0 6
T 24	11 17	24 35	3 46	1 31	2 49	17 9	0 56	23 23	2 28	1 13	1 8	16 6	2 1	23 25	0 6
W 25	10 56	22 24	4 22	1 57	2 58	16 49	0 58	23 30	2 28	1 8	1 8	16 7	2 1	23 25	0 6
T 26	10 35	19 15	4 47	2 20	3 8	16 28	1 0	23 36	2 28	1 3	1 8	16 8	2 1	23 25	0 6
F 27	10 14	15 15	4 59	2 41	3 17	16 7	1 1	23 42	2 28	0 58	1 8	16 9	2 1	23 25	0 6
S 28	9 53	10 35	4 57	3 1	3 26	15 45	1 3	23 48	2 28	0 53	1 8	16 10	2 0	23 25	0 6
S 29	9 32	5 27	4 41	3 18	3 34	15 23	1 5	23 53	2 27	0 48	1 8	16 11	2 0	23 25	0 6
M 30	9 11	0 2	4 12	3 33	3 42	15 0	1 6	23 59	2 27	0 43	1 8	16 12	2 0	23 25	0 6
T 31	8n49	5n29	3s30	3s46	3s49	14n37	1n 8	24s 5	2s27	0n38	1n 8	16s13	2n 0	23n25	0n 6

Julian Day Number = 2371038.5, Delta T = 16.44 sec
 Ecliptic obliquity = 23°28'08", Nutation = - 0°00'15"
 Ayanamsha: Fagan/Bradley = 21°39'47", Lahiri = 20°46'47"Greg. Calendar

SWISS EPHEMERIS for the year 1779

SEPTEMBER 1779

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	22 39 59	8 ^m 19'37"	5 ^h 20'	0 ^h 48'	25 ^h 11'	8 ^h 32'	1 ^h 12'	21 ^h 29'	23 ^h 42'	0 ^h 22'	1 ^h R30	6 ^h R22	6 ^h II32	27 ^h 56'	1 ^h R49
T 2	22 43 55	9 ^h 17'46"	18 ^h 30'	0 ^h R51	26 ^h 25'	9 ^h 8'	1 ^h 25'	21 ^h 32'	23 ^h 43'	0 ^h 24'	1 ^h ≈29	6 ^h II19	6 ^h 29	28 ^h 3'	1 ^h R48
F 3	22 47 52	10 ^h 15'57"	1 ^h II55	0 ^h 48'	27 ^h 40'	9 ^h 44'	1 ^h 37'	21 ^h 36'	23 ^h 45'	0 ^h 27'	1 ^h 28	6 ^h 19	6 ^h 26	28 ^h 9'	1 ^h 46
S 4	22 51 48	11 ^h 14'11"	15 ^h 37'	0 ^h 39'	28 ^h 54'	10 ^h 20'	1 ^h 49'	21 ^h 40'	23 ^h 46'	0 ^h 29'	1 ^h 27	6 ^h 19	6 ^h 22	28 ^h 16'	1 ^h 45
S 5	22 55 45	12 ^h 12'26"	29 ^h 38'	0 ^h 24'	0 ^h mp 8	10 ^h 56'	2 ^h 2'	21 ^h 44'	23 ^h 47'	0 ^h 31'	1 ^h 26	6 ^h 18	6 ^h 19	28 ^h 23'	1 ^h 43
M 6	22 59 41	13 ^h 10'44"	13 ^h 58'	0 ^h 2'	1 ^h 22'	11 ^h 32'	2 ^h 15'	21 ^h 47'	23 ^h 48'	0 ^h 33'	1 ^h 25	6 ^h 15	6 ^h 16	28 ^h 29'	1 ^h 41
T 7	23 3 38	14 ^h 9'04"	28 ^h 35'	29 ^h mp33	2 ^h 37'	12 ^h 9'	2 ^h 27'	21 ^h 51'	23 ^h 50'	0 ^h 35'	1 ^h 24	6 ^h 10	6 ^h 13	28 ^h 36'	1 ^h 40
W 8	23 7 35	15 ^h 7'26"	13 ^h 24'	28 ^h 58'	3 ^h 51'	12 ^h 46'	2 ^h 40'	21 ^h 55'	23 ^h 51'	0 ^h 37'	1 ^h 23	6 ^h 3'	6 ^h 10	28 ^h 43'	1 ^h 38
T 9	23 11 31	16 ^h 5'49"	28 ^h 17'	28 ^h 17'	5 ^h 6'	13 ^h 23'	2 ^h 52'	22 ^h 0'	23 ^h 52'	0 ^h 39'	1 ^h 22	5 ^h 53	6 ^h 6'	28 ^h 50'	1 ^h 36
F 10	23 15 28	17 ^h 4'15"	13 ^h mp 8	27 ^h 30'	6 ^h 20'	14 ^h 0'	3 ^h 5'	22 ^h 4'	23 ^h 53'	0 ^h 42'	1 ^h 21	5 ^h 42	6 ^h 3'	28 ^h 56'	1 ^h 34
S 11	23 19 24	18 ^h 2'42"	27 ^h 45'	26 ^h 38'	7 ^h 34'	14 ^h 38'	3 ^h 18'	22 ^h 8'	23 ^h 54'	0 ^h 44'	1 ^h 21	5 ^h 31	6 ^h 0'	29 ^h 3'	1 ^h 32
S 12	23 23 21	19 ^h 1'12"	12 ^h 5 3	25 ^h 41'	8 ^h 49'	15 ^h 16'	3 ^h 31'	22 ^h 12'	23 ^h 55'	0 ^h 46'	1 ^h 20	5 ^h 21	5 ^h 57	29 ^h 10'	1 ^h 30
M13	23 27 17	19 ^h 59'43"	25 ^h 56'	24 ^h 41'	10 ^h 3'	15 ^h 54'	3 ^h 43'	22 ^h 17'	23 ^h 56'	0 ^h 48'	1 ^h 19	5 ^h 13	5 ^h 54	29 ^h 16'	1 ^h 28
T 14	23 31 14	20 ^h 58'16"	9 ^h mp22	23 ^h 39'	11 ^h 18'	16 ^h 32'	3 ^h 56'	22 ^h 21'	23 ^h 57'	0 ^h 50'	1 ^h 18	5 ^h 8'	5 ^h 51	29 ^h 23'	1 ^h 26
W15	23 35 10	21 ^h 56'50"	22 ^h 21'	22 ^h 35'	12 ^h 33'	17 ^h 10'	4 ^h 9'	22 ^h 26'	23 ^h 58'	0 ^h 53'	1 ^h 17	5 ^h 6'	5 ^h 47	29 ^h 30'	1 ^h 24
T 16	23 39 7	22 ^h 55'26"	4 ^h ≈57	21 ^h 33'	13 ^h 47'	17 ^h 49'	4 ^h 22'	22 ^h 31'	23 ^h 58'	0 ^h 55'	1 ^h 17	5 ^h D 5	5 ^h 44	29 ^h 36'	1 ^h 22
F 17	23 43 3	23 ^h 54'04"	17 ^h 14'	20 ^h 32'	15 ^h 2'	18 ^h 27'	4 ^h 35'	22 ^h 35'	23 ^h 59'	0 ^h 57'	1 ^h 16	5 ^h 5'	5 ^h 41	29 ^h 43'	1 ^h 20
S 18	23 47 0	24 ^h 52'44"	29 ^h 16'	19 ^h 35'	16 ^h 16'	19 ^h 6'	4 ^h 48'	22 ^h 40'	24 ^h 0'	0 ^h 59'	1 ^h 15	5 ^h R 5	5 ^h 38	29 ^h 50'	1 ^h 18
S 19	23 50 57	25 ^h 51'25"	11 ^h 310	18 ^h 43'	17 ^h 31'	19 ^h 45'	5 ^h 0'	22 ^h 45'	24 ^h 0'	1 ^h 1'	1 ^h 14	5 ^h 4'	5 ^h 35	29 ^h 56'	1 ^h 16
M20	23 54 53	26 ^h 50'09"	23 ^h 0'	17 ^h 57'	18 ^h 46'	20 ^h 24'	5 ^h 13'	22 ^h 50'	24 ^h 1'	1 ^h 4'	1 ^h 14	5 ^h 1'	5 ^h 32	0 ^h ≈ 3	1 ^h 14
T 21	23 58 50	27 ^h 48'53"	4 ^h ≈52	17 ^h 19'	20 ^h 0'	21 ^h 4'	5 ^h 26'	22 ^h 55'	24 ^h 1'	1 ^h 6'	1 ^h 13	4 ^h 55	5 ^h 28	0 ^h 10	1 ^h 11
W22	0 2 46	28 ^h 47'40"	16 ^h 48'	16 ^h 50'	21 ^h 15'	21 ^h 43'	5 ^h 39'	23 ^h 0'	24 ^h 2'	1 ^h 8'	1 ^h 13	4 ^h 47	5 ^h 25	0 ^h 17	1 ^h 9
T 23	0 6 43	29 ^h 46'28"	28 ^h 53'	16 ^h 30'	22 ^h 30'	22 ^h 23'	5 ^h 52'	23 ^h 5'	24 ^h 2'	1 ^h 10'	1 ^h 12	4 ^h 37	5 ^h 22	0 ^h 23	1 ^h 7
F 24	0 10 39	0 ^h ≈45'18"	11 ^h ≈ 9	16 ^h D20	23 ^h 45'	23 ^h 2'	6 ^h 5'	23 ^h 10'	24 ^h 2'	1 ^h 13'	1 ^h 11	4 ^h 25	5 ^h 19	0 ^h 30	1 ^h 4
S 25	0 14 36	1 ^h 44'11"	23 ^h 36'	16 ^h 21'	24 ^h 59'	23 ^h 42'	6 ^h 18'	23 ^h 15'	24 ^h 3'	1 ^h 15'	1 ^h 11	4 ^h 14	5 ^h 16	0 ^h 37	1 ^h 2
S 26	0 18 32	2 ^h 43'05"	6 ^h ≈16	16 ^h 31'	26 ^h 14'	24 ^h 23'	6 ^h 31'	23 ^h 21'	24 ^h 3'	1 ^h 17'	1 ^h 10	4 ^h 3'	5 ^h 12	0 ^h 43	0 ^h 59
M27	0 22 29	3 ^h 42'01"	19 ^h 9'	16 ^h 52'	27 ^h 29'	25 ^h 3'	6 ^h 44'	23 ^h 26'	24 ^h 3'	1 ^h 19'	1 ^h 10	3 ^h 54	5 ^h 9'	0 ^h 50	0 ^h 57
T 28	0 26 26	4 ^h 40'59"	2 ^h ≈12	17 ^h 22'	28 ^h 44'	25 ^h 43'	6 ^h 57'	23 ^h 32'	24 ^h 3'	1 ^h 22'	1 ^h 9	3 ^h 47	5 ^h 6'	0 ^h 57	0 ^h 54
W29	0 30 22	5 ^h 39'59"	15 ^h 27'	18 ^h 1'	29 ^h 55'	26 ^h 24'	7 ^h 10'	23 ^h 37'	24 ^h 3'	1 ^h 24'	1 ^h 9	3 ^h 43	5 ^h 3'	1 ^h 3	0 ^h 52
T 30	0 34 19	6 ^h ≈39'02"	28 ^h ≈53	18 ^h mp49	1 ^h ≈14	27 ^h ≈ 4	7 ^h ≈23	23 ^h ≈43	24 ^h ≈R 3	1 ^h ≈26	1 ^h ≈ 9	3 ^h D42	5 ^h II 0	1 ^h ≈10	0 ^h ≈49

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	8n27	10n52	2s36	3s55	3s56	14n14	1n 9	24s10	2s27	0n33	1n 8	16s14	1n59	23n25	0n 6	1n 6	1n22	24s27	4s43	21n24	21n26	24s33	11n56	0s12
T 2	8 6 15	52 1 33	4 2 4	1 13	50 1 11	24 15 2 26	0 28	1 7	16 15 1 59	23 26 0 6	1 5	1 22	24 27 4 43	21 23 21 25	24 32 11 56	0 12								
F 3	7 44 20	11 0 23	4 5 4	6 13	26 1 12	24 21 2 26	0 23	1 7	16 16 1 59	23 26 0 6	1 4	1 22	24 27 4 43	21 23 21 25	24 31 11 55	0 12								
S 4	7 22 23	30 0n49	4 5 4	10 13	1 1 13	24 26 2 26	0 18	1 7	16 17 1 59	23 26 0 6	1 4	1 22	24 28 4 43	21 23 21 24	24 30 11 54	0 12								
S 5	6 59 25	28 2 0	4 2 4	13 12	36 1 14	24 31 2 26	0 13	1 7	16 19 1 58	23 26 0 6	1 3	1 22	24 28 4 43	21 23 21 23	24 29 11 54	0 12								
M 6	6 37 25	48 3 5	3 34	4 15	12 11	1 16	24 36 2 25	0 8	1 7	16 20 1 58	23 26 0 6	1 2	1 22	24 28 4 43	21 23 21 23	24 28 11 53	0 12							
T 7	6 15 24	22 3 59	3 43	4 15	11 45	1 17	24 40 2 25	0 3	1 7	16 21 1 58	23 26 0 6	1 1	1 22	24 28 4 43	21 22 21 22	24 28 11 52	0 12							
W 8	5 52 21	15 4 38	3 28	4 14	11 19	1 18	24 45 2 25	0s 2	1 7	16 22 1 58	23 26 0 6	1 0	1 22	24 28 4 43	21 21 21 22	24 27 11 52	0 12							
T 9	5 29 16	44 4 58	3 9	4 11	10 53	1 19	24 49 2 24	0 7	1 7	16 24 1 58	23 26 0 6	0 59	1 22	24 29 4 43	21 19 21 21	24 26 11 51	0 12							
F 10	5 7 11	13 4 58	2 46	4 6	10 26	1 20	24 53 2 24	0 12	1 7	16 25 1 57	23 26 0 6	0 58	1 22	24 29 4 43	21 17 21 21	24 25 11 50	0 13							
S 11	4 44 5 9	4 39	2 19	3 59	9 59	1 21	24 57 2 23	0 17	1 7	16 26 1 57	23 26 0 6	0 58	1 22	24 29 4 43	21 15 21 20	24 24 11 50	0 13							
S 12	4 21 1s 4	4 2	1 49	3 50	9 32	1 21	25 1 2 23	0 22	1 7	16 28 1 57	23 26 0 6	0 57	1 22	24 29 4 43	21 13 21 20	24 23 11 49	0 13							
M13	3 58 7 3	3 12	1 15	3 40	9 4	1 22	25 5 2 23	0 27	1 7	16 29 1 57	23 26 0 7	0 56	1 22	24 29 4 43	21 12 21 19	24 22 11 48	0 13							
T 14	3 35 12	33 2 12	0 39	3 27	8 37	1 23	25 9 2 22	0 33	1 7	16 30 1 57	23 26 0 7	0 55	1 22	24 29 4 43	21 11 21 18	24 21 11 47	0 13							
W15	3 12 17	18 1 7	0 1	3 13	8 9	1 23	25 12 2 22	0 38	1 7	16 32 1 56	23 26 0 7	0 54	1 22	24 30 4 43	21 11 21 18	24 20 11 46	0 13							
T 16	2 49 21	8 0 1	0n39	2 57	7 41	1 24	25 15 2 21	0 43	1 7	16 33 1 56	23 26 0 7	0 53	1 22	24 30 4 43	21 10 21 17	24 19 11 46	0 13							
F 17	2 26 23	55 1s 4	1 19	2 40	7 12	1 24	25 18 2 21	0 48	1 7	16 34 1 56	23 26 0 7	0 52	1 22	24 30 4 43	21 10 21 17	24 18 11 45	0 13							
S 18	2 2 25	33 2 5	1 58	2 21	6 44	1 25	25 21 2 21	0 53	1 7	16 36 1 56	23 27 0 7	0 51	1 22	24 30 4 43	21 10 21 16	24 18 11 44	0 13							
S 19	1 39 25	59 2 59	2 36	2 2	6 15	1 25	25 24 2 20	0 58	1 7	16 37 1 56	23 27 0 7	0 51	1 22	24 30 4 43	21 10 21 16	24 17 11 43	0 13							
M20	1 16 25	13 3 46	3 12	1 42	5 46	1 25	25 26 2 20	1 3	1 7	16 39 1 55	23 27 0 7	0 50	1 22	24 30 4 43	21 10 21 15	24 16 11 42	0 13							
T 21	0 52 23	19 4 23	3 46	1 22	5 17	1 26	25 29 2 19	1 8	1 7	16 40 1 55	23 27 0 7	0 49	1 22	24 30 4 43	21 9 21 15	24 15 11 41	0 14							
W22	0 29 20	24 4 48	4 15	1 2	4 47																			

SWISS EPHEMERIS for the year 1779

OCTOBER 1779

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	0 38 15	7♁38'07	12♂29	19♃45	2♁28	27♂45	7♁36	23♃48	24°R 3	1♁28	1°R 8	3♂42	4♂57	1♁17	0°R46
S 2	0 42 12	8°37'14	26°17	20°49	3°43	28°26	7°49	23°54	24♂ 3	1°30	1♁ 8	3°43	4°53	1°24	0♁44
S 3	0 46 8	9°36'24	10♁15	21°59	4°58	29° 7	8° 2	23°59	24° 3	1°33	1° 7	3°R43	4°50	1°30	0°41
M 4	0 50 5	10°35'36	24°25	23°14	6°13	29°48	8°15	24° 5	24° 3	1°35	1° 7	3°42	4°47	1°37	0°38
T 5	0 54 1	11°34'51	8♁44	24°35	7°28	0♁30	8°28	24°11	24° 3	1°37	1° 7	3°40	4°44	1°44	0°36
W 6	0 57 58	12°34'08	23°10	26° 0	8°43	1°11	8°41	24°17	24° 2	1°39	1° 7	3°35	4°41	1°50	0°33
T 7	1 1 55	13°33'27	7♂38	27°29	9°58	1°53	8°54	24°23	24° 2	1°41	1° 6	3°28	4°37	1°57	0°30
F 8	1 5 51	14°32'48	22° 2	29° 1	11°13	2°34	9° 7	24°29	24° 2	1°44	1° 6	3°20	4°34	2° 4	0°27
S 9	1 9 48	15°32'11	6♁17	0♁36	12°28	3°16	9°20	24°35	24° 1	1°46	1° 6	3°12	4°31	2°10	0°25
S 10	1 13 44	16°31'37	20°18	2°13	13°43	3°58	9°33	24°41	24° 1	1°48	1° 6	3° 5	4°28	2°17	0°22
M 11	1 17 41	17°31'04	3♂58	3°52	14°59	4°40	9°46	24°47	24° 0	1°50	1° 6	2°59	4°25	2°24	0°19
T 12	1 21 37	18°30'34	17°17	5°32	16°14	5°22	9°59	24°53	23°59	1°52	1° 6	2°56	4°22	2°31	0°16
W 13	1 25 34	19°30'05	0♁14	7°13	17°29	6° 5	10°11	24°59	23°59	1°55	1° 6	2°D55	4°18	2°37	0°13
T 14	1 29 30	20°29'39	12°49	8°55	18°44	6°47	10°24	25° 6	23°58	1°57	1°D 6	2°55	4°15	2°44	0°10
F 15	1 33 27	21°29'14	25° 7	10°37	19°59	7°29	10°37	25°12	23°57	1°59	1° 6	2°57	4°12	2°51	0° 7
S 16	1 37 24	22°28'51	7♁11	12°19	21°14	8°12	10°50	25°18	23°56	2° 1	1° 6	2°58	4° 9	2°57	0° 5
S 17	1 41 20	23°28'29	19° 7	14° 2	22°29	8°55	11° 3	25°25	23°56	2° 3	1° 6	2°R59	4° 6	3° 4	0° 2
M 18	1 45 17	24°28'10	0♁58	15°45	23°44	9°38	11°16	25°31	23°55	2° 5	1° 6	2°59	4° 3	3°11	29°V59
T 19	1 49 13	25°27'52	12°51	17°27	25° 0	10°20	11°29	25°38	23°54	2° 7	1° 6	2°57	3°59	3°17	29°56
W 20	1 53 10	26°27'36	24°49	19°10	26°15	11° 3	11°41	25°44	23°53	2° 9	1° 6	2°54	3°56	3°24	29°53
T 21	1 57 6	27°27'22	6♁57	20°52	27°30	11°47	11°54	25°51	23°52	2°11	1° 6	2°49	3°53	3°31	29°50
F 22	2 1 3	28°27'09	19°19	22°34	28°45	12°30	12° 7	25°57	23°51	2°13	1° 6	2°44	3°50	3°38	29°47
S 23	2 4 59	29°26'58	1°V57	24°15	0♁ 0	13°13	12°20	26° 4	23°49	2°16	1° 7	2°38	3°47	3°44	29°44
S 24	2 8 56	0♁26'49	14°51	25°56	1°15	13°56	12°32	26°10	23°48	2°18	1° 7	2°32	3°43	3°51	29°41
M 25	2 12 53	1°26'42	28° 2	27°37	2°31	14°40	12°45	26°17	23°47	2°20	1° 7	2°28	3°40	3°58	29°38
T 26	2 16 49	2°26'36	11♁29	29°17	3°46	15°23	12°58	26°24	23°46	2°22	1° 8	2°24	3°37	4° 4	29°35
W 27	2 20 46	3°26'33	25° 9	0♁56	5° 1	16° 7	13°10	26°30	23°44	2°24	1° 8	2°23	3°34	4°11	29°32
T 28	2 24 42	4°26'32	9♂ 0	2°35	6°16	16°50	13°23	26°37	23°43	2°25	1° 8	2°D23	3°31	4°18	29°29
F 29	2 28 39	5°26'33	23° 0	4°14	7°32	17°34	13°35	26°44	23°42	2°27	1° 9	2°24	3°28	4°24	29°26
S 30	2 32 35	6°26'36	7♁ 5	5°52	8°47	18°18	13°48	26°51	23°40	2°29	1° 9	2°25	3°24	4°31	29°24
S 31	2 36 32	7♂26'41	21♁14	7♂30	10♁ 2	19♁ 2	14♁ 0	26♂58	23♂39	2♁31	1♁10	2♂27	3♂21	4♁38	29°V21

Day	☉		☽		♀		♁		♂		♃		♅		♁		♁		♁		♁			
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
F 1	3s 2	23n 6	0n47	5n16	1n19	0n18	1n24	25s41	2s14	2s 0	1n 7	16s55	1n53	23n27	0n 7	0n40	1n22	24s31	4s42	20n55	21n 9	24s 5	11n32	0s14
S 2	3 25	25 23	1 58	5 0	1 28	0s12	1 24	25 41	2 13	2 5	1 7	16 57	1 53	23 27	0 7	0 39	1 22	24 31	4 42	20 55	21 8	24 4	11 31	0 15
S 3	3 49	26 7	3 3	4 39	1 36	0 42	1 23	25 40	2 12	2 10	1 7	16 58	1 53	23 27	0 7	0 38	1 22	24 31	4 42	20 55	21 8	24 3	11 30	0 15
M 4	4 12	25 10	3 58	4 15	1 42	1 13	1 23	25 40	2 12	2 15	1 7	17 0	1 53	23 27	0 7	0 37	1 22	24 31	4 42	20 55	21 7	24 1	11 29	0 15
T 5	4 35	22 34	4 38	3 48	1 48	1 43	1 22	25 39	2 11	2 20	1 7	17 1	1 53	23 27	0 7	0 36	1 22	24 31	4 42	20 55	21 7	24 0	11 28	0 15
W 6	4 58	18 33	5 2	3 18	1 52	2 13	1 21	25 38	2 11	2 25	1 7	17 3	1 53	23 27	0 7	0 36	1 22	24 31	4 42	20 54	21 6	23 59	11 27	0 15
T 7	5 21	13 27	5 6	2 45	1 55	2 43	1 20	25 37	2 10	2 30	1 7	17 4	1 52	23 27	0 7	0 35	1 22	24 31	4 42	20 52	21 5	23 58	11 26	0 15
F 8	5 44	7 37	4 51	2 11	1 57	3 14	1 19	25 36	2 9	2 36	1 7	17 6	1 52	23 27	0 7	0 34	1 22	24 31	4 42	20 51	21 5	23 57	11 25	0 15
S 9	6 7	1 26	4 18	1 34	1 58	3 44	1 18	25 34	2 9	2 41	1 7	17 8	1 52	23 27	0 7	0 33	1 22	24 31	4 42	20 49	21 4	23 56	11 24	0 15
S 10	6 30	4s42	3 29	0 56	1 58	4 14	1 17	25 33	2 8	2 46	1 7	17 9	1 52	23 27	0 7	0 32	1 22	24 31	4 42	20 48	21 4	23 55	11 22	0 15
M 11	6 53	10 30	2 30	0 16	1 58	4 44	1 16	25 30	2 7	2 51	1 7	17 11	1 52	23 27	0 7	0 31	1 22	24 31	4 42	20 47	21 3	23 54	11 21	0 15
T 12	7 16	15 41	1 24	0s25	1 56	5 14	1 15	25 28	2 7	2 56	1 7	17 12	1 52	23 27	0 7	0 31	1 22	24 31	4 42	20 46	21 2	23 53	11 20	0 15
W 13	7 38	19 59	0 15	1 7	1 54	5 44	1 14	25 26	2 6	3 1	1 7	17 14	1 51	23 27	0 7	0 30	1 22	24 31	4 42	20 46	21 2	23 52	11 19	0 16
T 14	8 1	23 15	0s53	1 49	1 52	6 13	1 13	25 23	2 5	3 6	1 7	17 16	1 51	23 27	0 7	0 29	1 22	24 31	4 42	20 46	21 1	23 51	11 18	0 16
F 15	8 23	25 20	1 58	2 32	1 49	6 43	1 12	25 20	2 5	3 11	1 7	17 17	1 51	23 27	0 7	0 28	1 22	24 31	4 42	20 46	21 1	23 49	11 17	0 16
S 16	8 46	26 11	2 55	3 16	1 45	7 12	1 10	25 17	2 4	3 16	1 7	17 19	1 51	23 27	0 7	0 27	1 22	24 31	4 42	20 47	21 0	23 48	11 16	0 16
S 17	9 8	25 49	3 45	3 59	1 41	7 42	1 9	25 13	2 3	3 21	1 7	17 21	1 51	23 27	0 7	0 26	1 22	24 31	4 42	20 47	21 0	23 47	11 15	0 16
M 18	9 30	24 16	4 24	4 43	1 37	8 11	1 7	25 9	2 2	3 26	1 7	17 22	1 51	23 27	0 7	0 26	1 22	24 31	4 42	20 47	20 59	23 46	11 14	0 16
T 19	9 52	21 39	4 52	5 27	1 32	8 40	1 6	25 5	2 2	3 31	1 7	17 24	1 51	23 27	0 7	0 25	1 22	24 31	4 41	20 47	20 58	23 45	11 13	0 16
W 20	10 13	18 6	5 8	6 10	1 27	9 9	1 4	25 1	2 1	3 36	1 7	17 26	1 51	23 27	0 7	0 24	1 22	24 31	4 41	20 46	20 58	23 44	11 11	0 16
T 21	10 35	13 46	5 10	6 54	1 21	9 37	1 3	24 57	2 0	3 41	1 7	17 27	1 50	23 27	0 7	0 23	1 22	24 31	4 41	20 45	20 57	23 43	11 10	0 16
F 22	10 56	8 48	4 58	7 37	1 16	10 5	1 1	24 52	1 59	3 46	1 7	17 29	1 50	23 27	0 7	0 22	1 22	24 30	4 41	20 44	20 57	23 41	11 9	0 16
S 23	11 18	3 23	4 32	8 20	1 10	10 34	0 59	24 47	1 59	3 51	1 7	17 31	1 50	23 27	0 7	0 22	1 22	24 30	4 41	20 43	20 56	23 40	11 8	0 16
S 24	11 39	2n19	3 51	9 2	1 4	11 1	0 58	24 42	1 58	3 56	1 7	17 32	1 50	23 27	0 7	0 21	1 22							

SWISS EPHEMERIS for the year 1779

NOVEMBER 1779

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♁	♂	♄	♃	♅	♆	♁	♂	♄
M 1	2 40 28	8♐26'49	5♏25	9♐ 8	11♐.17	19♌46	14♏13	27♐ 5	23°R37	2♑33	1♐10	2°R28	3♐18	4♐45	29°R18			
T 2	2 44 25	9°26'58	19°36	10°44	12°33	20°30	14°25	27°11	23♐35	2°35	1°11	2♐27	3°15	4°51	29°R15			
W 3	2 48 22	10°27'10	3♐44	12°21	13°48	21°14	14°37	27°18	23°34	2°37	1°11	2°26	3°12	4°58	29°R12			
T 4	2 52 18	11°27'23	17°47	13°57	15° 3	21°58	14°50	27°25	23°32	2°39	1°12	2°24	3° 9	5° 5	29° 9			
F 5	2 56 15	12°27'39	1♐44	15°33	16°18	22°42	15° 2	27°32	23°30	2°41	1°12	2°21	3° 5	5°11	29° 6			
S 6	3 0 11	13°27'57	15°30	17° 8	17°34	23°27	15°14	27°39	23°29	2°42	1°13	2°18	3° 2	5°18	29° 3			
S 7	3 4 8	14°28'16	29° 4	18°43	18°49	24°11	15°26	27°46	23°27	2°44	1°14	2°15	2°59	5°25	29° 1			
M 8	3 8 4	15°28'37	12♐23	20°18	20° 4	24°55	15°39	27°53	23°25	2°46	1°14	2°14	2°56	5°32	28°58			
T 9	3 12 1	16°29'00	25°25	21°52	21°20	25°40	15°51	28° 0	23°23	2°48	1°15	2°13	2°53	5°38	28°55			
W10	3 15 57	17°29'25	8♐11	23°26	22°35	26°24	16° 3	28° 7	23°21	2°49	1°16	2°D13	2°49	5°45	28°52			
T 11	3 19 54	18°29'51	20°41	25° 0	23°50	27° 9	16°15	28°14	23°19	2°51	1°16	2°13	2°46	5°52	28°49			
F 12	3 23 51	19°30'19	2♑56	26°33	25° 6	27°54	16°27	28°21	23°17	2°53	1°17	2°14	2°43	5°58	28°47			
S 13	3 27 47	20°30'49	15° 0	28° 7	26°21	28°38	16°38	28°28	23°15	2°54	1°18	2°16	2°40	6° 5	28°44			
S 14	3 31 44	21°31'19	26°56	29°40	27°36	29°23	16°50	28°35	23°13	2°56	1°19	2°17	2°37	6°12	28°41			
M15	3 35 40	22°31'51	8♐47	1♐12	28°51	0♐ 8	17° 2	28°43	23°11	2°58	1°20	2°18	2°34	6°19	28°39			
T 16	3 39 37	23°32'24	20°39	2°45	0♐ 7	0°53	17°14	28°50	23° 9	2°59	1°21	2°R18	2°30	6°25	28°36			
W17	3 43 33	24°32'59	2♐37	4°17	1°22	1°38	17°25	28°57	23° 7	3° 1	1°22	2°18	2°27	6°32	28°34			
T 18	3 47 30	25°33'34	14°44	5°49	2°37	2°23	17°37	29° 4	23° 5	3° 2	1°23	2°17	2°24	6°39	28°31			
F 19	3 51 26	26°34'11	27° 6	7°21	3°53	3° 8	17°48	29°11	23° 3	3° 4	1°24	2°17	2°21	6°45	28°29			
S 20	3 55 23	27°34'49	9♐47	8°52	5° 8	3°53	18° 0	29°18	23° 0	3° 5	1°24	2°16	2°18	6°52	28°26			
S 21	3 59 20	28°35'28	22°47	10°24	6°23	4°38	18°11	29°25	22°58	3° 7	1°26	2°16	2°14	6°59	28°24			
M22	4 3 16	29°36'08	6♐10	11°55	7°39	5°23	18°22	29°32	22°56	3° 8	1°27	2°15	2°11	7° 5	28°21			
T 23	4 7 13	0♐36'50	19°54	13°26	8°54	6° 8	18°33	29°39	22°53	3°10	1°28	2°15	2° 8	7°12	28°19			
W24	4 11 9	1°37'33	3♐58	14°57	10° 9	6°53	18°45	29°47	22°51	3°11	1°29	2°D15	2° 5	7°19	28°16			
T 25	4 15 6	2°38'18	18°17	16°27	11°25	7°38	18°56	29°54	22°49	3°12	1°30	2°R15	2° 2	7°26	28°14			
F 26	4 19 2	3°39'03	2♑47	17°57	12°40	8°24	19° 7	0♐ 1	22°46	3°14	1°31	2°15	1°59	7°32	28°12			
S 27	4 22 59	4°39'50	17°20	19°27	13°55	9° 9	19°18	0° 8	22°44	3°15	1°32	2°15	1°55	7°39	28°10			
S 28	4 26 55	5°40'39	1♏53	20°56	15°10	9°54	19°28	0°15	22°42	3°16	1°33	2°14	1°52	7°46	28° 7			
M29	4 30 52	6°41'29	16°19	22°25	16°26	10°40	19°39	0°22	22°39	3°17	1°35	2°14	1°49	7°52	28° 5			
T 30	4 34 49	7°42'20	0♐34	23°54	17°41	11°25	19°50	0♐29	22♐37	3♑19	1°36	2♐14	1♐46	7°59	28°R 3			

Day	☉	☽	♀	♂	♃	♄	♅	♆	♁	♂	♄	♃	♅	♆	♁	♂	♄							
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
M 1	14s20	23n28	4n40	14s22	0n12	14s34	0n42	23s51	1s52	4s34	1n 8	17s45	1n49	23n26	0n 7	0n15	1n23	24s29	4s41	20n41	20n51	23s29	10n58	0s17
T 2	14 39	19 48	5 7	14 59	0 5	14 59	0 40	23 44	1 51	4 39	1 8	17 47	1 49	23 26	0 7	0 14	1 23	24 29	4 41	20 41	20 50	23 28	10 57	0 17
W 3	14 58	15 2	5 14	15 35	0s 2	15 24	0 38	23 36	1 50	4 44	1 8	17 49	1 49	23 26	0 7	0 13	1 23	24 29	4 41	20 40	20 49	23 27	10 56	0 17
T 4	15 17	9 29	5 3	16 11	0 9	15 48	0 36	23 28	1 49	4 48	1 8	17 50	1 49	23 26	0 7	0 13	1 23	24 29	4 41	20 40	20 49	23 26	10 55	0 17
F 5	15 36	3 30	4 34	16 45	0 15	16 12	0 34	23 20	1 48	4 53	1 8	17 52	1 49	23 26	0 7	0 12	1 23	24 28	4 41	20 39	20 48	23 24	10 54	0 18
S 6	15 54	2s34	3 50	17 19	0 22	16 35	0 32	23 12	1 47	4 58	1 8	17 54	1 49	23 26	0 7	0 11	1 23	24 28	4 40	20 39	20 47	23 23	10 53	0 18
S 7	16 12	8 28	2 53	17 52	0 28	16 58	0 29	23 3	1 46	5 2	1 8	17 55	1 49	23 26	0 7	0 11	1 23	24 28	4 40	20 38	20 47	23 22	10 52	0 18
M 8	16 30	13 52	1 47	18 24	0 35	17 21	0 27	22 54	1 46	5 7	1 8	17 57	1 49	23 26	0 7	0 10	1 23	24 28	4 40	20 38	20 46	23 20	10 51	0 18
T 9	16 47	18 32	0 37	18 55	0 41	17 43	0 25	22 45	1 45	5 11	1 8	17 59	1 49	23 26	0 7	0 9	1 23	24 28	4 40	20 38	20 46	23 19	10 49	0 18
W10	17 4 22	14 0s33	19 26	0 48	18 4	0 23	22 36	1 44	5 16	1 9	18 0	1 48	23 25	0 7	0 9	1 23	24 27	4 40	20 38	20 45	23 18	10 48	0 18	
T 11	17 21	24 49	1 40	19 55	0 54	18 26	0 20	22 26	1 43	5 20	1 9	18 2	1 48	23 25	0 7	0 8	1 23	24 27	4 40	20 38	20 44	23 16	10 47	0 18
F 12	17 38	26 8	2 42	20 23	1 0	18 46	0 18	22 17	1 42	5 25	1 9	18 3	1 48	23 25	0 7	0 7	1 23	24 27	4 40	20 38	20 44	23 15	10 46	0 18
S 13	17 54	26 11	3 35	20 50	1 6	19 6	0 16	22 7	1 41	5 29	1 9	18 5	1 48	23 25	0 7	0 7	1 23	24 27	4 40	20 38	20 43	23 14	10 45	0 18
S 14	18 10	25 2	4 19	21 17	1 12	19 26	0 13	21 56	1 40	5 34	1 9	18 7	1 48	23 25	0 7	0 6	1 23	24 26	4 40	20 39	20 43	23 13	10 44	0 18
M15	18 26	22 45	4 51	21 42	1 18	19 45	0 11	21 46	1 39	5 38	1 9	18 8	1 48	23 25	0 7	0 6	1 23	24 26	4 40	20 39	20 42	23 11	10 43	0 18
T 16	18 41	19 31	5 10	22 6	1 23	20 4	0 9	21 35	1 39	5 43	1 9	18 10	1 48	23 25	0 7	0 5	1 23	24 26	4 40	20 39	20 41	23 10	10 42	0 18
W17	18 56	15 29	5 17	22 29	1 29	20 22	0 6	21 25	1 38	5 47	1 9	18 11	1 48	23 25	0 7	0 4	1 23	24 26	4 40	20 39	20 41	23 9	10 41	0 19
T 18	19 10	10 46	5 10	22 51	1 34	20 39	0 4	21 13	1 37	5 51	1 9	18 13	1 48	23 25	0 7	0 4	1 23	24 25	4 40	20 39	20 40	23 7	10 40	0 19
F 19	19 25	5 33	4 48	23 12	1 39	20 56	0 1	21 2	1 36	5 55	1 9	18 15	1 48	23 25	0 8	0 3	1 23	24 25	4 40	20 39	20 39	23 6	10 39	0 19
S 20	19 39	0n 1	4 12	23 31	1 44	21 12	0s 1	20 51	1 35	6 0	1 10	18 16	1 48	23 25	0 8	0 3	1 23	24 25	4 40	20 38	20 39	23 4	10 38	0 19
S 21	19 52	5 45	3 22	23 50	1 49	21 28	0 4	20 39	1 34	6 4	1 10	18 18	1 48	23 24	0 8	0 2	1 23	24 25	4 40	20 38	20 38	23 3	10 37	0 19
M22	20 5 11	24 2	2 20	24 7	1 53	21 43	0 6	20 27	1 33	6 8	1 10	18 19	1 48	23 24	0 8	0 2	1 23	24 24	4 40	20 38	20 38	23 2	10 36	0 19
T 23	20 18	16 39	1 8	24 23	1 57	21 57	0 8	20 15	1 32	6 12	1 10	18 21	1 48	23 24	0 8	0 1	1 23	24 24	4 40	20 38	20 37	23 0	10 36	0 19
W24	20 31	21 7	0n10	24 37	2 1	22 11	0 11	20 3	1 31	6 16	1 10	18 22	1 48	23 24	0 8	0 1	1 24	24 24	4 40	20 38	20 36	22 59	10 35	0 19
T 25	20 43	24 25	1 28	24 51	2 5	22 24	0 13	19 50	1 30	6 20	1 10	18 24	1 48	23 24	0 8	0 0	1 24	24 24	4 40	20 38	20 36	22 57	10 34	0 19
F 26	20 55	26 8	2 41	25 3	2 8	22 36	0 16	19 38	1 29	6 24	1 10	18 26	1 48	23 24	0 8	0s 0	1 24	24 23	4 40	20 38	20 35	22 56	10 33	0 19
S 27	21 6 26	4 3 45	25 14	2 11	22 48	0 18	19 25	1 29	6 28	1 10	18 27	1 48	23 24	0 8	0 1	1 24	24 23	4 40	20 38	20 34	22 55	10 32	0 19	
S 28	21 17	24 13	4 34	25 23	2 14	22 59	0 20	19 12	1 28	6 32	1 11	18 29	1 48	23 24	0 8	0 1	1 24	24 23	4 40	20 38	20 34	22 53	10 31	0 19
M29	21 27	20 49	5 5	25 31	2 16	23 9	0 23	18 58	1 27	6 36	1 11	18 30	1 48	23 24	0 8	0 2	1 24	24 22	4 40	20 38	20 33	22 52	10 30	0 19
T 30	21																							

SWISS EPHEMERIS for the year 1779

DECEMBER 1779

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
W 1	4 38 45	8 ^h 43'13	14 ^m 38	25 ^s 21	18 ^s 56	12 ^s 10	20 ^Ω 0	0 ^h 36	22 ^h R34	3 ^Ω 20	1 ^Ω 37	2 ^h D14	1 ^h II43	8 ^Ω 6	28 ^h R 1	
T 2	4 42 42	9 ^h 44'07	28 ^m 27	26 ^s 49	20 ^s 12	12 ^s 56	20 ^h 11	0 ^h 43	22 ^h II32	3 ^h 21	1 ^h 38	2 ^h II14	1 ^h 40	8 ^h 13	27 ^h Y59	
F 3	4 46 38	10 ^h 45'03	12 ^m 2	28 ^s 15	21 ^s 27	13 ^s 41	20 ^h 21	0 ^h 50	22 ^h 29	3 ^h 22	1 ^h 40	2 ^h 15	1 ^h 36	8 ^h 19	27 ^h 57	
S 4	4 50 35	11 ^h 45'59	25 ^m 23	29 ^s 41	22 ^s 42	14 ^s 27	20 ^h 32	0 ^h 58	22 ^h 27	3 ^h 23	1 ^h 41	2 ^h 16	1 ^h 33	8 ^h 26	27 ^h 55	
S 5	4 54 31	12 ^h 46'57	8 ^m 30	1 ^s 5	23 ^s 58	15 ^s 12	20 ^h 42	1 ^h 5	22 ^h 24	3 ^h 24	1 ^h 42	2 ^h 17	1 ^h 30	8 ^h 33	27 ^h 53	
M 6	4 58 28	13 ^h 47'56	21 ^m 24	2 ^s 28	25 ^s 13	15 ^s 58	20 ^h 52	1 ^h 12	22 ^h 22	3 ^h 25	1 ^h 44	2 ^h 17	1 ^h 27	8 ^h 39	27 ^h 51	
T 7	5 2 24	14 ^h 48'57	4 ^m 6	3 ^s 50	26 ^s 28	16 ^s 43	21 ^h 2	1 ^h 19	22 ^h 19	3 ^h 26	1 ^h 45	2 ^h R18	1 ^h 24	8 ^h 46	27 ^h 50	
W 8	5 6 21	15 ^h 49'58	16 ^m 36	5 ^s 10	27 ^s 44	17 ^s 29	21 ^h 12	1 ^h 26	22 ^h 17	3 ^h 27	1 ^h 47	2 ^h 17	1 ^h 20	8 ^h 53	27 ^h 48	
T 9	5 10 18	16 ^h 51'00	28 ^m 54	6 ^s 29	28 ^s 59	18 ^s 14	21 ^h 22	1 ^h 33	22 ^h 14	3 ^h 28	1 ^h 48	2 ^h 16	1 ^h 17	9 ^h 0	27 ^h 46	
F 10	5 14 14	17 ^h 52'03	11 ^m 3	7 ^s 44	0 ^s 14	19 ^s 0	21 ^h 31	1 ^h 40	22 ^h 12	3 ^h 29	1 ^h 49	2 ^h 14	1 ^h 14	9 ^h 6	27 ^h 45	
S 11	5 18 11	18 ^h 53'06	23 ^m 3	8 ^s 58	1 ^s 29	19 ^s 45	21 ^h 41	1 ^h 46	22 ^h 9	3 ^h 30	1 ^h 51	2 ^h 11	1 ^h 11	9 ^h 13	27 ^h 43	
S 12	5 22 7	19 ^h 54'10	4 ^m 58	10 ^s 8	2 ^s 45	20 ^s 31	21 ^h 51	1 ^h 53	22 ^h 6	3 ^h 31	1 ^h 52	2 ^h 8	1 ^h 8	9 ^h 20	27 ^h 41	
M13	5 26 4	20 ^h 55'15	16 ^m 49	11 ^s 14	4 ^s 0	21 ^s 17	22 ^h 0	2 ^h 0	22 ^h 4	3 ^h 32	1 ^h 54	2 ^h 5	1 ^h 5	9 ^h 26	27 ^h 40	
T 14	5 30 0	21 ^h 56'20	28 ^m 40	12 ^s 16	5 ^s 15	22 ^s 2	22 ^h 9	2 ^h 7	22 ^h 1	3 ^h 32	1 ^h 55	2 ^h 3	1 ^h 1	9 ^h 33	27 ^h 39	
W15	5 33 57	22 ^h 57'25	10 ^m 35	13 ^s 14	6 ^s 31	22 ^s 48	22 ^h 18	2 ^h 14	21 ^h 59	3 ^h 33	1 ^h 57	2 ^h 1	0 ^h 58	9 ^h 40	27 ^h 37	
T 16	5 37 53	23 ^h 58'30	22 ^m 39	14 ^s 5	7 ^s 46	23 ^s 33	22 ^h 28	2 ^h 21	21 ^h 56	3 ^h 34	1 ^h 58	2 ^h D 1	0 ^h 55	9 ^h 47	27 ^h 36	
F 17	5 41 50	24 ^h 59'36	4 ^m 57	14 ^s 51	9 ^s 1	24 ^s 19	22 ^h 37	2 ^h 28	21 ^h 54	3 ^h 34	2 ^h 0	2 ^h 1	0 ^h 52	9 ^h 53	27 ^h 35	
S 18	5 45 47	26 ^h 0'42	17 ^m 32	15 ^s 29	10 ^s 16	25 ^s 5	22 ^h 45	2 ^h 34	21 ^h 51	3 ^h 35	2 ^h 2	2 ^h 2	0 ^h 49	10 ^h 0	27 ^h 33	
S 19	5 49 43	27 ^h 1'49	0 ^m 30	16 ^s 0	11 ^s 32	25 ^s 50	22 ^h 54	2 ^h 41	21 ^h 48	3 ^h 36	2 ^h 3	2 ^h 4	0 ^h 46	10 ^h 7	27 ^h 32	
M20	5 53 40	28 ^h 2'55	13 ^m 52	16 ^s 21	12 ^s 47	26 ^s 36	23 ^h 3	2 ^h 48	21 ^h 46	3 ^h 36	2 ^h 5	2 ^h 6	0 ^h 42	10 ^h 13	27 ^h 31	
T 21	5 57 36	29 ^h 4'02	27 ^m 42	16 ^s 32	14 ^s 2	27 ^s 22	23 ^h 11	2 ^h 54	21 ^h 43	3 ^h 37	2 ^h 6	2 ^h R 6	0 ^h 39	10 ^h 20	27 ^h 30	
W22	6 1 33	0 ^h 3 5'09	11 ^m 57	16 ^s R33	15 ^s 17	28 ^s 7	23 ^h 20	3 ^h 1	21 ^h 41	3 ^h 37	2 ^h 8	2 ^h 6	0 ^h 36	10 ^h 27	27 ^h 29	
T 23	6 5 29	1 ^h 6'17	26 ^m 35	16 ^s 23	16 ^s 33	28 ^s 53	23 ^h 28	3 ^h 8	21 ^h 38	3 ^h 38	2 ^h 10	2 ^h 4	0 ^h 33	10 ^h 34	27 ^h 28	
F 24	6 9 26	2 ^h 7'24	11 ^m 59	16 ^s 0	17 ^s 48	29 ^s 39	23 ^h 36	3 ^h 14	21 ^h 36	3 ^h 38	2 ^h 11	2 ^h 1	0 ^h 30	10 ^h 40	27 ^h 27	
S 25	6 13 23	3 ^h 8'32	26 ^m 31	15 ^s 26	19 ^s 3	0 ^s 24	23 ^h 44	3 ^h 21	21 ^h 33	3 ^h 38	2 ^h 13	1 ^h 57	0 ^h 27	10 ^h 47	27 ^h 26	
S 26	6 17 19	4 ^h 9'41	11 ^m 32	14 ^s 41	20 ^s 18	1 ^s 10	23 ^h 52	3 ^h 27	21 ^h 31	3 ^h 39	2 ^h 15	1 ^h 52	0 ^h 23	10 ^h 54	27 ^h 26	
M27	6 21 16	5 ^h 10'49	26 ^m 22	13 ^s 45	21 ^s 33	1 ^s 55	24 ^h 0	3 ^h 34	21 ^h 28	3 ^h 39	2 ^h 17	1 ^h 47	0 ^h 20	11 ^h 0	27 ^h 25	
T 28	6 25 12	6 ^h 11'58	10 ^m 55	12 ^s 39	22 ^s 48	2 ^s 41	24 ^h 7	3 ^h 40	21 ^h 26	3 ^h 39	2 ^h 18	1 ^h 44	0 ^h 17	11 ^h 7	27 ^h 24	
W29	6 29 9	7 ^h 13'08	25 ^m 7	11 ^s 26	24 ^s 4	3 ^s 27	24 ^h 15	3 ^h 46	21 ^h 23	3 ^h 40	2 ^h 20	1 ^h 41	0 ^h 14	11 ^h 14	27 ^h 24	
T 30	6 33 5	8 ^h 14'17	8 ^m 57	10 ^s 7	25 ^s 19	4 ^s 12	24 ^h 22	3 ^h 53	21 ^h 21	3 ^h 40	2 ^h 22	1 ^h D41	0 ^h 11	11 ^h 21	27 ^h 23	
F 31	6 37 2	9 ^h 15'27	22 ^m 24	8 ^s 46	26 ^s 34	4 ^s 58	24 ^h 29	3 ^h 59	21 ^h 19	3 ^h 40	2 ^h 24	1 ^h II41	0 ^h II 7	11 ^h 27	27 ^h Y23	

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
W 1	21s47	10n49	5n10	25s43	2s20	23s28	0s28	18s31	1s25	6s44	1n11	18s33	1n47	23n23	0n 8	0s 3	1n24	24s22	4s39	20n38	20n32	22s49	10n29	0s20
T 2	21 56	4 58	4 45	25 46	2 21	23 36	0 30	18 18	1 24	6 48	1 11	18 34	1 47	23 23	0 8	0 3	1 24	24 21	4 39	20 38	20 31	22 48	10 28	0 20
F 3	22 5	1s 1	4 4	25 49	2 21	23 44	0 32	18 4	1 23	6 52	1 11	18 36	1 47	23 23	0 8	0 3	1 24	24 21	4 39	20 38	20 31	22 46	10 27	0 20
S 4	22 14	6 52	3 11	25 50	2 21	23 51	0 35	17 49	1 22	6 55	1 11	18 37	1 47	23 23	0 8	0 4	1 24	24 21	4 39	20 38	20 30	22 45	10 26	0 20
S 5	22 22	12 20	2 8	25 49	2 21	23 57	0 37	17 35	1 21	6 59	1 12	18 39	1 47	23 23	0 8	0 4	1 24	24 20	4 39	20 39	20 29	22 43	10 26	0 20
M 6	22 29	17 10	1 0	25 47	2 20	24 2	0 39	17 21	1 20	7 3	1 12	18 40	1 47	23 23	0 8	0 5	1 24	24 20	4 39	20 39	20 29	22 42	10 25	0 20
T 7	22 36	21 9	0s10	25 43	2 18	24 7	0 41	17 6	1 19	7 6	1 12	18 42	1 47	23 22	0 8	0 5	1 24	24 20	4 39	20 39	20 28	22 40	10 24	0 20
W 8	22 43	24 5	1 18	25 38	2 16	24 11	0 44	16 51	1 18	7 10	1 12	18 43	1 47	23 22	0 8	0 5	1 24	24 19	4 39	20 39	20 27	22 39	10 23	0 20
T 9	22 49	25 50	2 22	25 31	2 13	24 14	0 46	16 36	1 17	7 14	1 12	18 45	1 47	23 22	0 8	0 6	1 24	24 19	4 39	20 38	20 27	22 37	10 23	0 20
F 10	22 55	26 18	3 18	25 24	2 9	24 16	0 48	16 21	1 16	7 17	1 12	18 46	1 47	23 22	0 8	0 6	1 24	24 19	4 39	20 38	20 26	22 36	10 22	0 20
S 11	23 0	25 31	4 5	25 14	2 5	24 18	0 50	16 6	1 15	7 21	1 12	18 47	1 47	23 22	0 8	0 6	1 24	24 18	4 39	20 37	20 25	22 34	10 22	0 20
S 12	23 5	23 35	4 40	25 4	1 59	24 19	0 52	15 51	1 14	7 24	1 13	18 49	1 47	23 22	0 8	0 6	1 24	24 18	4 39	20 37	20 25	22 33	10 21	0 20
M13	23 9	20 38	5 4	24 52	1 53	24 19	0 54	15 35	1 13	7 27	1 13	18 50	1 47	23 22	0 8	0 7	1 24	24 18	4 39	20 36	20 24	22 31	10 20	0 20
T 14	23 13	16 51	5 14	24 39	1 45	24 18	0 56	15 19	1 12	7 31	1 13	18 51	1 47	23 21	0 8	0 7	1 25	24 17	4 39	20 36	20 23	22 30	10 20	0 20
W15	23 17	12 24	5 11	24 25	1 37	24 17	0 58	15 4	1 11	7 34	1 13	18 53	1 47	23 21	0 8	0 7	1 25	24 17	4 39	20 36	20 23	22 28	10 19	0 21
T 16	23 20	7 26	4 55	24 10	1 27	24 15	1 0	14 48	1 10	7 37	1 13	18 54	1 47	23 21	0 8	0 7	1 25	24 17	4 39	20 35	20 22	22 27	10 19	0 21
F 17	23 22	2 5	4 24	23 55	1 17	24 12	1 2	14 31	1 9	7 40	1 13	18 55	1 47	23 21	0 8	0 8	1 25	24 16	4 39	20 35	20 21	22 25	10 18	0 21
S 18	23 25	3n29	3 41	23 38	1 5	24 8	1 4	14 15	1 9	7 43	1 14	18 57	1 48	23 21	0 8	0 8	1 25	24 16	4 39	20 36	20 21	22 24	10 18	0 21
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