

SWISS EPHEMERIS for the year 1957

JANUARY 1957

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	6 41 31	10°31'10"	9°31'18"	27°32'41"	15°12'12"	13°41'41"	1°26'26"	9°18'18"	5°57'57"	2°18'18"	0°14'14"	28°27'27"	26°43'43"	13°39'39"	9°35'35"
W 2	6 45 28	11°20'21"	21°20'20"	27°25'15"	16°27'15"	14°15'15"	1°28'28"	9°25'25"	5°55'55"	2°19'19"	0°13'13"	28°19'19"	26°40'40"	13°46'46"	9°39'39"
T 3	6 49 24	12°21'31"	3°16'16"	27°14'14"	17°42'42"	14°50'50"	1°31'31"	9°31'31"	5°53'53"	2°20'20"	0°13'13"	28°11'11"	26°37'37"	13°53'53"	9°43'43"
F 4	6 53 21	13°22'42"	15°9'9"	26°51'51"	18°57'57"	15°24'24"	1°33'33"	9°37'37"	5°50'50"	2°21'21"	0°12'12"	28°1'1'	26°33'33"	14°0'0'	9°48'48"
S 5	6 57 17	14°23'52"	27°0'0'	26°16'16"	20°12'12"	15°59'59"	1°36'36"	9°44'44"	5°48'48"	2°22'22"	0°11'11"	27°52'52"	26°30'30"	14°6'6"	9°52'52"
S 6	7 1 14	15°25'03"	8°52'52"	25°31'31"	21°27'27"	16°33'33"	1°38'38"	9°50'50"	5°46'46"	2°23'23"	0°10'10"	27°45'45"	26°27'27"	14°13'13"	9°57'57"
M 7	7 5 11	16°26'12"	20°47'47"	24°34'34"	22°42'42"	17°8'8"	1°40'40"	9°56'56"	5°43'43"	2°24'24"	0°9'9"	27°39'39"	26°24'24"	14°20'20"	10°1'1'
T 8	7 9 7	17°27'22"	2°47'47"	23°29'29"	23°57'57"	17°43'43"	1°41'41"	10°2'2'	5°41'41"	2°25'25"	0°8'8"	27°36'36"	26°21'21"	14°26'26"	10°5'5'
W 9	7 13 4	18°28'31"	15°6'6"	22°16'16"	25°12'12"	18°18'18"	1°43'43"	10°8'8"	5°38'38"	2°26'26"	0°7'7"	27°33'33"	26°17'17"	14°33'33"	10°10'10"
T 10	7 17 0	19°29'39"	27°38'38"	20°59'59"	26°26'26"	18°53'53"	1°44'44"	10°14'14"	5°36'36"	2°26'26"	0°6'6"	27°35'35"	26°14'14"	14°40'40"	10°14'14"
F 11	7 20 57	20°30'47"	10°33'33"	19°39'39"	27°41'41"	19°28'28"	1°45'45"	10°20'20"	5°33'33"	2°27'27"	0°5'5'	27°36'36"	26°11'11"	14°47'47"	10°19'19"
S 12	7 24 53	21°31'55"	23°53'53"	18°20'20"	28°56'56"	20°4'4'	1°46'46"	10°26'26"	5°31'31"	2°28'28"	0°4'4'	27°37'37"	26°8'8"	14°53'53"	10°23'23"
S 13	7 28 50	22°33'01"	7°12'12"	17°3'3'	0°31'31"	20°39'39"	1°47'47"	10°32'32"	5°28'28"	2°29'29"	0°2'2'	27°36'36"	26°5'5'	15°0'0'	10°28'28"
M 14	7 32 46	23°34'08"	22°0'0'	15°51'51"	1°26'26"	21°14'14"	1°47'47"	10°38'38"	5°26'26"	2°29'29"	0°1'1'	27°34'34"	26°2'2'	15°7'7'	10°32'32"
T 15	7 36 43	24°35'13"	6°45'45"	14°45'45"	2°41'41"	21°50'50"	1°48'48"	10°44'44"	5°23'23"	2°30'30"	0°0'0'	27°29'29"	25°58'58"	15°14'14"	10°37'37"
W 16	7 40 40	25°36'19"	21°50'50"	13°48'48"	3°56'56"	22°26'26"	1°48'48"	10°50'50"	5°21'21"	2°31'31"	29°59'59"	27°21'21"	25°55'55"	15°20'20"	10°42'42"
T 17	7 44 36	26°37'23"	7°12'12"	12°59'59"	5°11'11"	23°1'1'	1°48'48"	10°55'55"	5°18'18"	2°31'31"	29°58'58"	27°12'12"	25°52'52"	15°27'27"	10°46'46"
F 18	7 48 33	27°38'27"	22°7'7"	12°20'20"	6°26'26"	23°37'37"	1°48'48"	11°1'1'	5°15'15"	2°32'32"	29°57'57"	27°3'3'	25°49'49"	15°34'34"	10°51'51"
S 19	7 52 29	28°39'30"	7°12'12"	11°50'50"	7°41'41"	24°13'13"	1°47'47"	11°7'7"	5°13'13"	2°32'32"	29°55'55"	26°54'54"	25°46'46"	15°40'40"	10°56'56"
S 20	7 56 26	29°40'34"	22°14'14"	11°30'30"	8°56'56"	24°49'49"	1°47'47"	11°12'12"	5°10'10"	2°33'33"	29°54'54"	26°47'47"	25°43'43"	15°47'47"	11°0'0'
M 21	8 0 22	30°41'36"	6°45'45"	11°18'18"	10°11'11"	25°25'25"	1°46'46"	11°17'17"	5°8'8"	2°33'33"	29°53'53"	26°42'42"	25°39'39"	15°54'54"	11°5'5'
T 22	8 4 19	1°42'39"	20°26'26"	11°16'16"	11°26'26"	26°1'1'	1°45'45"	11°23'23"	5°5'5'	2°34'34"	29°52'52"	26°39'39"	25°36'36"	16°1'1'	11°9'9'
W 23	8 8 15	2°43'40"	3°16'16"	11°21'21"	12°41'41"	26°37'37"	1°44'44"	11°28'28"	5°2'2'	2°34'34"	29°50'50"	26°39'39"	25°33'33"	16°7'7'	11°14'14"
T 24	8 12 12	3°44'42"	16°52'52"	11°34'34"	13°56'56"	27°13'13"	1°42'42"	11°33'33"	5°0'0'	2°34'34"	29°49'49"	26°39'39"	25°30'30"	16°14'14"	11°19'19"
F 25	8 16 9	4°45'43"	29°33'33"	11°53'53"	15°11'11"	27°49'49"	1°41'41"	11°39'39"	4°57'57"	2°35'35"	29°48'48"	26°39'39"	25°27'27"	16°21'21"	11°23'23"
S 26	8 20 5	5°46'43"	11°58'58"	12°19'19"	16°26'26"	28°26'26"	1°39'39"	11°44'44"	4°55'55"	2°35'35"	29°46'46"	26°38'38"	25°23'23"	16°27'27"	11°28'28"
S 27	8 24 2	6°47'43"	24°11'11"	12°51'51"	17°41'41"	29°2'2'	1°37'37"	11°49'49"	4°52'52"	2°35'35"	29°45'45"	26°35'35"	25°20'20"	16°34'34"	11°33'33"
M 28	8 27 58	7°48'43"	6°31'31"	13°28'28"	18°56'56"	29°38'38"	1°35'35"	11°54'54"	4°49'49"	2°35'35"	29°44'44"	26°28'28"	25°17'17"	16°41'41"	11°38'38"
T 29	8 31 55	8°49'41"	18°14'14"	14°10'10"	20°11'11"	0°15'15"	1°33'33"	11°59'59"	4°47'47"	2°36'36"	29°42'42"	26°19'19"	25°14'14"	16°48'48"	11°42'42"
W 30	8 35 51	9°50'38"	0°9'9"	14°56'56"	21°26'26"	0°51'51"	1°30'30"	12°4'4'	4°44'44"	2°36'36"	29°41'41"	26°7'7'	25°11'11"	16°54'54"	11°47'47"
T 31	8 39 48	10°51'35"	12°2'2'	15°46'46"	22°42'42"	1°28'28"	1°28'28"	12°8'8"	4°41'41"	2°36'36"	29°39'39"	25°53'53"	25°8'8"	17°1'1'	11°52'52"

Delta T = 31.68 sec.

FEBRUARY 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	8 43 44	11°52'30"	23°54'54"	16°39'39"	23°57'57"	2°8'8"	1°25'25"	12°13'13"	4°39'39"	2°36'36"	29°38'38"	25°38'38"	25°11'11"	17°8'8"	11°56'56"
S 2	8 47 41	12°53'25"	5°46'46"	17°36'36"	25°12'12"	2°41'41"	1°22'22"	12°18'18"	4°36'36"	2°36'36"	29°37'37"	25°11'11"	25°1'1'	17°15'15"	12°1'1'
S 3	8 51 38	13°54'18"	17°41'41"	18°36'36"	26°27'27"	3°18'18"	1°18'18"	12°22'22"	4°34'34"	2°36'36"	29°35'35"	25°11'11"	24°58'58"	17°21'21"	12°6'6"
M 4	8 55 34	14°55'09"	29°39'39"	19°38'38"	27°42'42"	3°55'55"	1°15'15"	12°27'27"	4°31'31"	2°36'36"	29°34'34"	25°1'1'	24°55'55"	17°28'28"	12°10'10"
T 5	8 59 31	15°56'00"	11°44'44"	20°43'43"	28°57'57"	4°31'31"	1°11'11"	12°31'31"	4°29'29"	2°36'36"	29°32'32"	24°54'54"	24°52'52"	17°35'35"	12°15'15"
W 6	9 3 27	16°56'49"	23°59'59"	21°50'50"	0°12'12"	5°8'8"	1°8'8"	12°36'36"	4°26'26"	2°36'36"	29°31'31"	24°50'50"	24°48'48"	17°41'41"	12°20'20"
T 7	9 7 24	17°57'37"	6°32'32"	22°59'59"	1°27'27"	5°45'45"	1°4'4'	12°40'40"	4°23'23"	2°36'36"	29°29'29"	24°48'48"	24°45'45"	17°48'48"	12°25'25"
F 8	9 11 20	18°58'23"	19°17'17"	24°11'11"	2°42'42"	6°22'22"	1°0'0'	12°44'44"	4°21'21"	2°35'35"	29°28'28"	24°47'47"	24°42'42"	17°55'55"	12°29'29"
S 9	9 15 17	19°59'07"	2°12'12"	25°24'24"	3°57'57"	6°59'59"	0°55'55"	12°48'48"	4°18'18"	2°35'35"	29°26'26"	24°47'47"	24°39'39"	18°2'2'	12°34'34"
S 10	9 19 13	20°59'50"	16°6'6"	26°38'38"	5°12'12"	7°36'36"	0°51'51"	12°52'52"	4°16'16"	2°35'35"	29°25'25"	24°46'46"	24°36'36"	18°8'8"	12°39'39"
M 11	9 23 10	22°0'32"	0°13'13"	27°55'55"	6°27'27"	8°13'13"	0°46'46"	12°56'56"	4°13'13"	2°35'35"	29°23'23"	24°43'43"	24°33'33"	18°15'15"	12°43'43"
T 12	9 27 7	23°1'12"	14°48'48"	29°12'12"	7°42'42"	8°50'50"	0°41'41"	13°0'0'	4°11'11"	2°35'35"	29°22'22"	24°37'37"	24°29'29"	18°22'22"	12°48'48"
W 13	9 31 3	24°1'50"	29°48'48"	0°32'32"	8°57'57"	9°27'27"	0°37'37"	13°4'4'	4°9'9"	2°34'34"	29°20'20"	24°28'28"	24°26'26"	18°28'28"	12°52'52"
T 14	9 35 0	25°2'26"	15°12'12"	1°52'52"	10°12'12"	10°5'5'	0°31'31"	13°7'7"	4°6'6"	2°34'34"	29°19'19"	24°18'18"	24°23'23"	18°35'35"	12°57'57"
F 15	9 38 56	26°3'02"	0°12'12"	3°14'14"	11°27'27"	10°42'42"	0°26'26"	13°11'11"	4°4'4'	2°33'33"	29°17'17"	24°6'6"	24°20'20"	18°42'42"	13°2'2'
S 16	9 42 53	27°3'35"	15°44'44"	4°37'37"	12°42'42"	11°19'19"	0°21'21"	13°14'14"	4°1'1'	2°33'33"	29°16'16"	23°55'55"	24°17'17"	18°49'49"	13°6'6"
S 17	9 46 49	28°4'07"	0°13'13"	6°1'1'	13°56'56"	11°56'56"	0°15'15"	13°18'18"	3°59'59"	2°33'33"	29°14'14"	23°45'45"	24°14'14"	18°55'55"	13°11'11"
M 18	9 50 46	29°4'38"	15°18'18"	7°26'26"	15°11'11"	12°33'33"	0°10'10"	13°21'21"	3°57'57"	2°32'32"	29°13'13"	23°39'39"	24°10'10"	19°2'2'	13°15'15"
T 19	9 54 42	0°4'58"	29°22'22"	8°53'53"	16°26'26"	13°11'11"	0°4'4'	13°25'25"	3°55'55"	2°32'32"	29°11'11"	23°35'35"	24°7'7'	19°9'9"	13°20'20"
W 20	9 58 39	1°5'36"	12°15'15"	10°20'20"	17°41'41"	13°48'48"	29°58'58"	13°28'28"	3°52'52"	2°31'31"	29°10'10"	23°33'33"	24°4'4'	19°16'16"	13°25'25"
T 21	10 2 36	2°6'03"	26°3'3'	11°49'49"	18°56'56"	14°25'25"	29°52'52"	13°31'31"	3°50'50"	2°30'30"	29°8'8"	23°33'33"	24°1'1'	19°22'22"	13°29'29"
F 22	10 6 32	3°6'29"	8°14'14"	13°18'18"	20°11'11"	15°3'3'	29°46'46"	13°34'34"	3°48'48"	2°30'30"	29°7'7'	23°33'33"	23°58'58"	19°29'29"	13°34'34"
S 23	10 10 29	4°6'53"	21°9'9"	14°49'49"	21°26'26"	15°40'40"	29°39'39"	13°37'37"	3°46'46"	2°29'29"	29°5'5'	23°32'32"	23°54'54"	19°36'36"	13°38'38"
S 24	10 14 25	5°7'16"	3°18'18"	16°21'21"	22°41'41"	16°17'17"	29°33'33"	13°39'39"	3°44'44"	2°28'28"	29°4'4'	23°28'28"	23°51'51"	19°42'42"	13°42'42"
M 25	10 18 22	6°7'38"	15°17'17"	17°54'54"	23°56'56"	16°55'55"	29°26'26"	13°42'42"	3°41'41"	2°28'28"	29°2'2'	23°23'23"	23°48'48"	19°49'49"	13°47'47"
T 26	10 22 18	7°7'58"	27°11'11"	19°27'27"	25°11'11"	17°32'32"	29°20'20"	13°45'45"	3°39'39"	2°27'27"	29°1'1'	23°14'14"	23°45'45"	19°56'56"	13°51'51"
W 27	10 26 15	8°8'16"	9°2'2'	21°2'2'	26°26'26"	18°10'10"	29°13'13"	13°47'47"	3°37'37"	2°26'26"	28°59'59"	23°2'2'	23°42'42"	20°3'3'	13°56'56"
T 28	10 30 11	9°8'33"	20°53'53"	22°38'38"	27°41'41"	18°47'47"	29°11'11"	13°50'50"	3°35'35"	2°25'25"	28°58'58"	22°49'49"	23°39'39"	20°8'8"	14°1'1'

Delta T = 31.72 sec.

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SWISS EPHEMERIS for the year 1957

MARCH 1957

00:00 UT

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

Delta T = 31.75 sec.

APRIL 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	12 36 21	11° 0'09"	17° 57'	22° 30'	7° 31'	8° 52'	25° 5'	14° 15'	2° 54'	1° 47'	28° 16'	20° 6'	21° 57'	23° 44'	16° 2'
T 2	12 40 18	11° 59'22"	0° 26'	24° 27'	8° 46'	9° 29'	24° 57'	14° 14'	2° 54'	1° 46'	28° 15'	20° 2'	21° 54'	23° 51'	16° 5'
W 3	12 44 14	12° 58'32"	13° 5'	26° 21'	10° 0'	10° 7'	24° 50'	14° 14'	2° 53'	1° 44'	28° 14'	20° 0'	21° 51'	23° 58'	16° 8'
T 4	12 48 11	13° 57'40"	25° 56'	28° 13'	11° 14'	10° 45'	24° 43'	14° 12'	2° 53'	1° 42'	28° 13'	20° 0'	21° 47'	24° 5'	16° 11'
F 5	12 52 7	14° 56'46"	9° 1'	0° 8'	12° 29'	11° 23'	24° 36'	14° 11'	2° 53'	1° 41'	28° 12'	20° 1'	21° 44'	24° 11'	16° 14'
S 6	12 56 4	15° 55'50"	22° 20'	1° 47'	13° 43'	12° 0'	24° 29'	14° 10'	2° 52'	1° 39'	28° 12'	20° 3'	21° 41'	24° 18'	16° 17'
S 7	13 0 0	16° 54'51"	5° 54'	3° 29'	14° 58'	12° 38'	24° 23'	14° 9'	2° 52'	1° 38'	28° 11'	20° 4'	21° 38'	24° 25'	16° 20'
M 8	13 3 57	17° 53'50"	19° 46'	5° 7'	16° 12'	13° 16'	24° 16'	14° 7'	2° 52'	1° 36'	28° 10'	20° 5'	21° 35'	24° 32'	16° 23'
T 9	13 7 53	18° 52'47"	3° 55'	6° 41'	17° 27'	13° 54'	24° 9'	14° 6'	2° 52'	1° 35'	28° 9'	20° 4'	21° 31'	24° 38'	16° 25'
W 10	13 11 50	19° 51'41"	18° 19'	8° 10'	18° 41'	14° 31'	24° 3'	14° 4'	2° 52'	1° 33'	28° 8'	20° 2'	21° 28'	24° 45'	16° 28'
T 11	13 15 47	20° 50'33"	2° 55'	9° 34'	19° 55'	15° 9'	23° 57'	14° 3'	2° 52'	1° 31'	28° 7'	19° 58'	21° 25'	24° 52'	16° 31'
F 12	13 19 43	21° 49'23"	17° 39'	10° 53'	21° 10'	15° 47'	23° 51'	14° 1'	2° 52'	1° 30'	28° 6'	19° 54'	21° 22'	24° 58'	16° 33'
S 13	13 23 40	22° 48'10"	2° 22'	12° 7'	22° 24'	16° 24'	23° 44'	13° 59'	2° 52'	1° 28'	28° 6'	19° 50'	21° 19'	25° 5'	16° 36'
S 14	13 27 36	23° 46'55"	16° 58'	13° 16'	23° 38'	17° 2'	23° 39'	13° 57'	2° 52'	1° 27'	28° 5'	19° 47'	21° 16'	25° 12'	16° 38'
M 15	13 31 33	24° 45'39"	1° 20'	14° 19'	24° 52'	17° 40'	23° 33'	13° 55'	2° 52'	1° 25'	28° 4'	19° 45'	21° 12'	25° 19'	16° 41'
T 16	13 35 29	25° 44'20"	15° 23'	15° 16'	26° 7'	18° 18'	23° 27'	13° 53'	2° 53'	1° 23'	28° 4'	19° 44'	21° 9'	25° 25'	16° 43'
W 17	13 39 26	26° 43'00"	29° 2'	16° 8'	27° 21'	18° 55'	23° 22'	13° 50'	2° 53'	1° 22'	28° 3'	19° 44'	21° 6'	25° 32'	16° 45'
T 18	13 43 22	27° 41'38"	12° 18'	16° 54'	28° 35'	19° 33'	23° 16'	13° 48'	2° 53'	1° 20'	28° 2'	19° 45'	21° 3'	25° 39'	16° 48'
F 19	13 47 19	28° 40'14"	25° 11'	17° 33'	29° 49'	20° 11'	23° 11'	13° 46'	2° 54'	1° 18'	28° 2'	19° 47'	21° 0'	25° 45'	16° 50'
S 20	13 51 16	29° 38'48"	7° 34'	18° 7'	1° 8'	20° 48'	23° 6'	13° 43'	2° 54'	1° 17'	28° 1'	19° 48'	20° 57'	25° 52'	16° 52'
S 21	13 55 12	0° 37'21"	20° 0'	18° 35'	2° 18'	21° 26'	23° 1'	13° 41'	2° 55'	1° 15'	28° 1'	19° 49'	20° 53'	25° 59'	16° 54'
M 22	13 59 9	1° 35'52"	2° 3'	18° 57'	3° 32'	22° 4'	22° 56'	13° 38'	2° 55'	1° 14'	28° 0'	19° 50'	20° 50'	26° 6'	16° 56'
T 23	14 3 5	2° 34'22"	13° 59'	19° 13'	4° 46'	22° 41'	22° 51'	13° 35'	2° 56'	1° 12'	28° 0'	19° 49'	20° 47'	26° 12'	16° 58'
W 24	14 7 2	3° 32'50"	25° 51'	19° 22'	6° 0'	23° 19'	22° 47'	13° 33'	2° 57'	1° 10'	27° 59'	19° 48'	20° 44'	26° 19'	17° 0'
T 25	14 10 58	4° 31'16"	7° 45'	19° 27'	7° 14'	23° 57'	22° 42'	13° 30'	2° 58'	1° 9'	27° 59'	19° 46'	20° 41'	26° 26'	17° 2'
F 26	14 14 55	5° 29'40"	19° 44'	19° 25'	8° 28'	24° 34'	22° 38'	13° 27'	2° 58'	1° 7'	27° 58'	19° 44'	20° 37'	26° 33'	17° 3'
S 27	14 18 51	6° 28'03"	1° 51'	19° 18'	9° 42'	25° 12'	22° 34'	13° 24'	2° 59'	1° 5'	27° 58'	19° 42'	20° 34'	26° 39'	17° 5'
S 28	14 22 48	7° 26'24"	14° 9'	19° 6'	10° 56'	25° 50'	22° 30'	13° 21'	3° 0'	1° 4'	27° 58'	19° 40'	20° 31'	26° 46'	17° 7'
M 29	14 26 45	8° 24'44"	26° 41'	18° 49'	12° 11'	26° 28'	22° 27'	13° 17'	3° 1'	1° 2'	27° 57'	19° 39'	20° 28'	26° 53'	17° 8'
T 30	14 30 41	9° 23'02"	9° 26'	18° 28'	13° 25'	27° 11'	22° 23'	13° 14'	3° 2'	1° 1'	27° 57'	19° 38'	20° 25'	26° 59'	17° 10'

Delta T = 31.79 sec.

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SWISS EPHEMERIS for the year 1957

MAY 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	14 34 38	10°21'18	22°26	18°R 2	14°39	27°43	22°R20	13°R11	3°3	0°R59	27°R57	19°D38	20°M22	27°6	17°11
T 2	14 38 34	11°19'32	5°40	17°34	15°53	28°21	22°M17	13°7	3°4	0°M57	27°M56	19°M38	20°18	27°13	17°13
F 3	14 42 31	12°17'44	19°7	17°2	17°7	28°58	22°14	13°4	3°6	0°56	27°56	19°39	20°15	27°20	17°14
S 4	14 46 27	13°15'55	2°47	16°27	18°21	29°36	22°11	13°0	3°7	0°54	27°56	19°40	20°12	27°26	17°15
S 5	14 50 24	14°14'04	16°38	15°51	19°35	0°514	22°8	12°57	3°8	0°52	27°56	19°40	20°9	27°33	17°16
M 6	14 54 20	15°12'10	0°39	15°14	20°49	0°51	22°6	12°53	3°9	0°51	27°56	19°40	20°6	27°40	17°17
T 7	14 58 17	16°10'15	14°48	14°37	22°3	1°29	22°3	12°50	3°11	0°49	27°56	19°R41	20°2	27°46	17°19
W 8	15 2 14	17°8'17	29°2	14°0	23°16	2°7	22°1	12°46	3°12	0°48	27°56	19°40	19°59	27°53	17°20
T 9	15 6 10	18°6'18	13°21	13°23	24°30	2°44	21°59	12°42	3°14	0°46	27°55	19°40	19°56	28°0	17°20
F 10	15 10 7	19°4'17	27°39	12°49	25°44	3°22	21°58	12°38	3°15	0°45	27°D55	19°40	19°53	28°7	17°21
S 11	15 14 3	20°2'14	11°54	12°16	26°58	3°59	21°56	12°34	3°17	0°43	27°56	19°D40	19°50	28°13	17°22
S 12	15 18 0	21°0'09	26°2	11°46	28°12	4°37	21°55	12°30	3°18	0°42	27°56	19°40	19°47	28°20	17°23
M13	15 21 56	21°58'02	9°M58	11°19	29°26	5°15	21°54	12°26	3°20	0°40	27°56	19°40	19°43	28°27	17°24
T 14	15 25 53	22°55'54	23°41	10°56	0°H40	5°52	21°53	12°22	3°22	0°39	27°56	19°R40	19°40	28°34	17°24
W15	15 29 49	23°53'45	7°7	10°36	1°53	6°30	21°52	12°18	3°24	0°37	27°56	19°40	19°37	28°40	17°25
T 16	15 33 46	24°51'34	20°14	10°20	3°7	7°8	21°51	12°14	3°25	0°36	27°56	19°40	19°34	28°47	17°25
F 17	15 37 43	25°49'22	3°3	10°9	4°21	7°45	21°51	12°10	3°27	0°34	27°56	19°39	19°31	28°54	17°26
S 18	15 41 39	26°47'08	15°35	10°2	5°35	8°23	21°50	12°6	3°29	0°33	27°56	19°38	19°28	29°0	17°26
S 19	15 45 36	27°44'54	27°52	9°D59	6°48	9°0	21°D50	12°2	3°31	0°31	27°57	19°37	19°24	29°7	17°26
M20	15 49 32	28°42'38	9°57	10°1	8°2	9°38	21°50	11°57	3°33	0°30	27°57	19°37	19°21	29°14	17°26
T 21	15 53 29	29°40'21	21°54	10°8	9°16	10°16	21°51	11°53	3°35	0°29	27°57	19°36	19°18	29°21	17°26
W22	15 57 25	0°H38'03	3°H48	10°19	10°30	10°53	21°51	11°49	3°37	0°27	27°58	19°D36	19°15	29°27	17°27
T 23	16 1 22	1°35'44	15°42	10°35	11°43	11°31	21°52	11°45	3°39	0°26	27°58	19°36	19°12	29°34	17°R27
F 24	16 5 18	2°33'24	27°42	10°55	12°57	12°8	21°52	11°40	3°41	0°25	27°58	19°37	19°8	29°41	17°26
S 25	16 9 15	3°31'02	9°V52	11°19	14°11	12°46	21°53	11°36	3°44	0°23	27°59	19°38	19°5	29°47	17°26
S 26	16 13 12	4°28'40	22°16	11°48	15°24	13°24	21°55	11°31	3°46	0°22	27°59	19°40	19°2	29°54	17°26
M27	16 17 8	5°26'17	4°B56	12°21	16°38	14°1	21°56	11°27	3°48	0°21	28°0	19°41	18°59	0°H1	17°26
T 28	16 21 5	6°23'53	17°56	12°58	17°52	14°39	21°57	11°23	3°51	0°19	28°0	19°R41	18°56	0°8	17°26
W29	16 25 1	7°21'28	1°H15	13°38	19°5	15°16	21°59	11°18	3°53	0°18	28°1	19°41	18°53	0°14	17°25
T 30	16 28 58	8°19'01	14°52	14°23	20°19	15°54	22°1	11°14	3°55	0°17	28°1	19°40	18°49	0°21	17°25
F 31	16 32 54	9°H16'34	28°H47	15°B11	21°H33	16°B32	22°M3	11°7	3°58	0°M16	28°D2	19°M38	18°M46	0°H28	17°24

Delta T = 31.83 sec.

JUNE 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	16 36 51	10°H14'06	12°B54	16°B3	22°H46	17°B9	22°M5	11°R5	4°D0	0°R15	28°D3	19°R35	18°M43	0°H35	17°R24
S 2	16 40 47	11°11'36	27°10	16°58	24°0	17°47	22°8	11°7	4°3	0°M13	28°3	19°M32	18°40	0°41	17°23
M 3	16 44 44	12°9'05	11°D30	17°57	25°13	18°24	22°10	10°56	4°5	0°12	28°4	19°30	18°37	0°48	17°22
T 4	16 48 41	13°6'33	25°50	18°59	26°27	19°2	22°13	10°52	4°8	0°11	28°5	19°28	18°34	0°55	17°21
W 5	16 52 37	14°3'59	10°M7	20°5	27°40	19°40	22°16	10°47	4°11	0°10	28°5	19°D27	18°30	1°1	17°21
T 6	16 56 34	15°1'24	24°17	21°13	28°54	20°17	22°19	10°43	4°13	0°9	28°6	19°27	18°27	1°8	17°20
F 7	17 0 30	15°58'48	8°B18	22°25	0°B7	20°55	22°22	10°38	4°16	0°8	28°7	19°28	18°24	1°15	17°19
S 8	17 4 27	16°56'11	22°10	23°40	1°21	21°32	22°26	10°34	4°19	0°7	28°8	19°30	18°21	1°22	17°18
S 9	17 8 23	17°53'33	5°M52	24°58	2°34	22°10	22°29	10°29	4°22	0°6	28°9	19°31	18°18	1°28	17°17
M10	17 12 20	18°50'54	19°22	26°19	3°48	22°47	22°33	10°25	4°24	0°5	28°10	19°R31	18°14	1°35	17°15
T 11	17 16 16	19°48'14	2°H40	27°42	5°1	23°25	22°37	10°21	4°27	0°4	28°10	19°31	18°11	1°42	17°14
W12	17 20 13	20°45'33	15°45	29°9	6°15	24°3	22°41	10°16	4°30	0°3	28°11	19°29	18°8	1°48	17°13
T 13	17 24 10	21°42'51	28°37	0°H39	7°28	24°40	22°45	10°12	4°33	0°2	28°12	19°25	18°5	1°55	17°12
F 14	17 28 6	22°40'09	11°B15	2°12	8°42	25°18	22°49	10°8	4°36	0°1	28°13	19°20	18°2	2°2	17°10
S 15	17 32 3	23°37'26	23°40	3°47	9°55	25°55	22°54	10°3	4°39	0°1	28°14	19°14	17°59	2°9	17°9
S 16	17 35 59	24°34'43	5°B53	5°26	11°8	26°33	22°59	9°59	4°42	0°0	28°15	19°8	17°55	2°15	17°7
M17	17 39 56	25°31'59	17°57	7°7	12°22	27°10	23°3	9°55	4°45	29°B59	28°16	19°3	17°52	2°22	17°6
T 18	17 43 52	26°29'15	29°53	8°51	13°35	27°48	23°8	9°51	4°48	29°58	28°17	18°58	17°49	2°29	17°4
W19	17 47 49	27°26'31	11°H45	10°38	14°48	28°26	23°14	9°47	4°51	29°58	28°19	18°55	17°46	2°35	17°2
T 20	17 51 45	28°23'46	23°39	12°27	16°2	29°3	23°19	9°43	4°54	29°57	28°20	18°D54	17°43	2°42	17°1
F 21	17 55 42	29°21'01	5°V38	14°19	17°15	29°41	23°24	9°39	4°57	29°56	28°21	18°54	17°40	2°49	16°59
S 22	17 59 39	0°B18'16	17°47	16°14	18°28	0°D18	23°30	9°34	5°1	29°56	28°22	18°55	17°36	2°56	16°57
S 23	18 3 35	1°15'31	0°B11	18°11	19°42	0°56	23°36	9°31	5°4	29°55	28°23	18°57	17°33	3°2	16°55
M24	18 7 32	2°12'46	12°55	20°11	20°55	1°34	23°41	9°27	5°7	29°55	28°24	18°R58	17°30	3°9	16°53
T 25	18 11 28	3°10'00	26°2	22°12	22°8	2°11	23°47	9°23	5°10	29°54	28°26	18°58	17°27	3°16	16°51
W26	18 15 25	4°7'15	9°H34	24°16	23°21	2°49	23°54	9°19	5°14	29°53	28°27	18°56	17°24	3°23	16°49
T 27	18 19 21	5°4'29	23°29	26°22	24°35	3°26	24°0	9°15	5°17	29°53	28°28	18°52	17°20	3°29	16°47
F 28	18 23 18	6°1'44	7°B46	28°29	25°48	4°4	24°6	9°11	5°20	29°53	28°30	18°46	17°17	3°36	16°45
S 29	18 27 14	6°58'58	22°20	0°B37	27°1	4°42	24°13	9°8	5°24	29°52	28°31	18°40	17°14	3°43	16°43
S 30	18 31 11	7°56'12	7°D3	2°B46	28°B14	5°D19	24°M20	9°7	5°D27	29°B52	28°D32	18°M32	17°M11	3°H49	16°41

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SWISS EPHEMERIS for the year 1957

JULY 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	18 35 8	8°53'25	21°48	4°56	29°27	5°57	24°27	9°R 0	5°30	29°R51	28°34	18°R25	17°R 8	3°56	16°R38
T 2	18 39 4	9°50'38	6°12	7° 7	0°41	6°34	24°33	8°57	5°34	29°51	28°35	18°R20	17° 5	4° 3	16°36
W 3	18 43 1	10°47'51	20°56	9°17	1°54	7°12	24°41	8°54	5°37	29°51	28°36	18°16	17° 1	4°10	16°33
T 4	18 46 57	11°45'03	5°48	11°28	3° 7	7°50	24°48	8°50	5°41	29°50	28°38	18°14	16°58	4°16	16°31
F 5	18 50 54	12°42'15	19° 5	13°38	4°20	8°27	24°55	8°47	5°44	29°50	28°39	18°D14	16°55	4°23	16°29
S 6	18 54 50	13°39'27	2°44	15°48	5°33	9° 5	25° 3	8°44	5°48	29°50	28°41	18°15	16°52	4°30	16°26
S 7	18 58 47	14°36'38	16° 7	17°56	6°46	9°43	25°10	8°40	5°51	29°50	28°42	18°R16	16°49	4°36	16°24
M 8	19 2 43	15°33'50	29°16	20° 4	7°59	10°20	25°18	8°37	5°55	29°50	28°44	18°15	16°46	4°43	16°21
T 9	19 6 40	16°31'01	12°13	22°10	9°12	10°58	25°26	8°34	5°58	29°50	28°45	18°13	16°42	4°50	16°18
W10	19 10 37	17°28'13	24°58	24°16	10°25	11°36	25°34	8°31	6° 2	29°50	28°47	18° 8	16°39	4°57	16°16
T 11	19 14 33	18°25'24	7°32	26°19	11°38	12°13	25°42	8°28	6° 5	29°50	28°48	18° 0	16°36	5° 3	16°13
F 12	19 18 30	19°22'36	19°56	28°21	12°51	12°51	25°50	8°26	6° 9	29°D50	28°50	17°51	16°33	5°10	16°10
S 13	19 22 26	20°19'48	2°11	0°22	14° 4	13°29	25°58	8°23	6°12	29°50	28°52	17°40	16°30	5°17	16° 7
S 14	19 26 23	21°17'00	14°17	2°20	15°17	14° 6	26° 7	8°20	6°16	29°50	28°53	17°28	16°26	5°23	16° 5
M15	19 30 19	22°14'12	26°16	4°17	16°30	14°44	26°15	8°18	6°20	29°50	28°55	17°17	16°23	5°30	16° 2
T 16	19 34 16	23°11'25	8° 9	6°12	17°43	15°22	26°24	8°15	6°23	29°50	28°57	17° 8	16°20	5°37	15°59
W17	19 38 12	24° 8'39	20° 0	8° 5	18°56	15°59	26°33	8°13	6°27	29°50	28°58	17° 1	16°17	5°44	15°56
T 18	19 42 9	25° 5'53	1°52	9°57	20° 8	16°37	26°42	8°10	6°30	29°50	29° 0	16°56	16°14	5°50	15°53
F 19	19 46 6	26° 3'08	13°49	11°47	21°21	17°15	26°51	8° 8	6°34	29°50	29° 2	16°53	16°11	5°57	15°50
S 20	19 50 2	27° 0'23	25°56	13°34	22°34	17°53	27° 0	8° 6	6°38	29°51	29° 3	16°D52	16° 7	6° 4	15°47
S 21	19 53 59	27°57'40	8°18	15°21	23°47	18°30	27° 9	8° 4	6°41	29°51	29° 5	16°53	16° 4	6°10	15°44
M22	19 57 55	28°54'57	21° 0	17° 5	25° 0	19° 8	27°18	8° 2	6°45	29°51	29° 7	16°R53	16° 1	6°17	15°41
T 23	20 1 52	29°52'15	4°11	18°47	26°12	19°46	27°27	8° 0	6°49	29°52	29° 9	16°52	15°58	6°24	15°38
W24	20 5 48	0°49'34	17°41	20°28	27°25	20°24	27°37	7°58	6°52	29°52	29°10	16°49	15°55	6°31	15°35
T 25	20 9 45	1°46'54	1°44	22° 7	28°38	21° 1	27°47	7°56	6°56	29°52	29°12	16°43	15°52	6°37	15°32
F 26	20 13 41	2°44'14	16°14	23°44	29°50	21°39	27°56	7°55	7° 0	29°53	29°14	16°35	15°48	6°44	15°29
S 27	20 17 38	3°41'36	1° 5	25°19	1° 3	22°17	28° 6	7°53	7° 3	29°53	29°16	16°25	15°45	6°51	15°26
S 28	20 21 35	4°38'58	16° 9	26°52	2°16	22°55	28°16	7°52	7° 7	29°54	29°18	16°14	15°42	6°57	15°23
M29	20 25 31	5°36'20	1°16	28°24	3°28	23°33	28°26	7°50	7°11	29°54	29°19	16° 4	15°39	7° 4	15°19
T 30	20 29 28	6°33'44	16°16	29°54	4°41	24°10	28°36	7°49	7°15	29°55	29°21	15°55	15°36	7°11	15°16
W31	20 33 24	7°31'07	1° 1	1°22	5°53	24°48	28°46	7°48	7°18	29°55	29°23	15°49	15°32	7°18	15°13

Delta T = 31.92 sec.

AUGUST 1957

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	20 37 21	8°28'32	15°25	2°48	7° 6	25°26	28°56	7°R47	7°22	29°56	29°25	15°R46	15°R29	7°24	15°R10
F 2	20 41 17	9°25'57	29°25	4°12	8°18	26° 4	29° 6	7°46	7°26	29°57	29°27	15°R45	15°26	7°31	15° 7
S 3	20 45 14	10°23'23	13°R 2	5°34	9°31	26°42	29°17	7°45	7°29	29°57	29°29	15°44	15°23	7°38	15° 4
S 4	20 49 10	11°20'49	26°18	6°55	10°43	27°20	29°27	7°44	7°33	29°58	29°31	15°44	15°20	7°44	15° 0
M 5	20 53 7	12°18'16	9°16	8°13	11°56	27°58	29°38	7°43	7°37	29°59	29°32	15°43	15°17	7°51	14°57
T 6	20 57 4	13°15'44	21°58	9°29	13° 8	28°36	29°48	7°43	7°40	0°R 0	29°34	15°39	15°13	7°58	14°54
W 7	21 1 0	14°13'12	4°38	10°43	14°21	29°13	29°59	7°42	7°44	0° 1	29°36	15°33	15°10	8° 5	14°51
T 8	21 4 57	15°10'42	16°47	11°56	15°33	29°51	0°10	7°42	7°48	0° 1	29°38	15°24	15° 7	8°11	14°47
F 9	21 8 53	16° 8'12	28°59	13° 5	16°45	0°29	0°21	7°41	7°52	0° 2	29°40	15°12	15° 4	8°18	14°44
S 10	21 12 50	17° 5'44	11°33	14°13	17°57	1° 7	0°32	7°41	7°55	0° 3	29°42	14°59	15° 1	8°25	14°41
S 11	21 16 46	18° 3'16	23° 2	15°18	19°10	1°45	0°43	7°41	7°59	0° 4	29°44	14°45	14°58	8°31	14°38
M12	21 20 43	19° 0'50	4°56	16°21	20°22	2°23	0°54	7°D41	8° 3	0° 5	29°46	14°32	14°54	8°38	14°35
T 13	21 24 39	19°58'24	16°48	17°21	21°34	3° 1	1° 5	7°41	8° 6	0° 6	29°48	14°20	14°51	8°45	14°31
W14	21 28 36	20°56'01	28°38	18°18	22°46	3°39	1°16	7°41	8°10	0° 7	29°50	14°11	14°48	8°52	14°28
T 15	21 32 33	21°53'38	10°Y30	19°13	23°58	4°17	1°27	7°41	8°13	0° 8	29°52	14° 4	14°45	8°58	14°25
F 16	21 36 29	22°51'17	22°27	20° 4	25°10	4°55	1°38	7°42	8°17	0° 9	29°54	14° 0	14°42	9° 5	14°22
S 17	21 40 26	23°48'58	4°34	20°52	26°22	5°33	1°50	7°42	8°21	0°10	29°56	13°59	14°38	9°12	14°19
S 18	21 44 22	24°46'40	16°54	21°37	27°34	6°11	2° 1	7°43	8°24	0°11	29°58	13°D58	14°35	9°18	14°16
M19	21 48 19	25°44'23	29°33	22°18	28°46	6°49	2°13	7°43	8°28	0°13	0°R 0	13°R58	14°32	9°25	14°13
T 20	21 52 15	26°42'09	12°I35	22°56	29°58	7°28	2°24	7°44	8°31	0°14	0° 2	13°58	14°29	9°32	14° 9
W21	21 56 12	27°39'56	26° 5	23°30	1°10	8° 6	2°36	7°45	8°35	0°15	0° 4	13°55	14°26	9°39	14° 6
T 22	22 0 8	28°37'45	10°54	23°59	2°22	8°44	2°48	7°46	8°39	0°16	0° 6	13°50	14°23	9°45	14° 3
F 23	22 4 5	29°35'35	24°33	24°24	3°33	9°22	2°59	7°47	8°42	0°18	0° 8	13°42	14°19	9°52	14° 0
S 24	22 8 2	0°33'27	9°27	24°44	4°45	10° 0	3°11	7°48	8°46	0°19	0°10	13°33	14°16	9°59	13°57
S 25	22 11 58	1°31'21	24°38	25° 0	5°57	10°38	3°23	7°49	8°49	0°20	0°12	13°23	14°13	10° 5	13°54
M26	22 15 55	2°29'16	9°56	25°10	7° 8	11°17	3°35	7°50	8°53	0°22	0°13	13°13	14°10	10°12	13°51
T 27	22 19 51	3°27'13	25°10	25°R15	8°20	11°55	3°47	7°52	8°56	0°23	0°15	13° 4	14° 7	10°19	13°48
W28	22 23 48	4°25'11	10°59	25°14	9°32	12°33	3°59	7°53	8°59	0°24	0°17	12°58	14° 3	10°25	13°45
T 29	22 27 44	5°23'10	24°46	25° 7	10°43	13°11	4°11	7°55	9° 3	0°26	0°19	12°55	14° 0	10°32	13°42
F 30	22 31 41	6°21'11	8°57	24°54	11°55	13°50	4°23	7°57	9° 6	0°27	0°21	12°D54	13°57	10°39	13°39
S 31	22 35 37	7°19'13	22°41	24°35	13° 6	14°28	4°35	7°58	9°10	0°R29	0°23	12°R54	13°54	10°46	13°37

Delta T = 31.96 sec.

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SWISS EPHEMERIS for the year 1957

SEPTEMBER 1957

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	22 39 34	8 ^h 17'17"	5 ^h 59'	24°R10	14 ^h 18'	15 ^h 6'	4 ^h 47'	8 ^h 0'	9 ^h 13'	0 ^h 30'	0 ^h 25'	12°R54	13 ^h 51'	10 ^h 52'	13°R34
M 2	22 43 31	9°15'22"	18°54'	23 ^h 39'	15°29'	15°44'	5°0'	8°2'	9°16'	0°32'	0°27'	12 ^h 54'	13°48'	10°59'	13 ^h 31'
T 3	22 47 27	10°13'28"	1 ^h 31'	23°1'	16°40'	16°23'	5°12'	8°4'	9°20'	0°33'	0°29'	12°52'	13°44'	11°6'	13°28'
W 4	22 51 24	11°11'36"	13°53'	22°19'	17°52'	17°1'	5°24'	8°6'	9°23'	0°35'	0°31'	12°47'	13°41'	11°12'	13°26'
T 5	22 55 20	12°9'45"	26°3'	21°31'	19°3'	17°40'	5°37'	8°9'	9°26'	0°37'	0°33'	12°40'	13°38'	11°19'	13°23'
F 6	22 59 17	13°7'56"	8 ^h 36'	20°38'	20°14'	18°18'	5°49'	8°11'	9°29'	0°38'	0°35'	12°31'	13°35'	11°26'	13°20'
S 7	23 3 13	14°6'08"	20°3'	19°42'	21°25'	18°56'	6°1'	8°14'	9°33'	0°40'	0°37'	12°21'	13°32'	11°33'	13°18'
S 8	23 7 10	15°4'22"	1 ^h 57'	18°44'	22°36'	19°35'	6°14'	8°16'	9°36'	0°42'	0°39'	12°10'	13°29'	11°39'	13°15'
M 9	23 11 6	16°2'37"	13°49'	17°44'	23°47'	20°13'	6°26'	8°19'	9°39'	0°43'	0°41'	11°59'	13°25'	11°46'	13°13'
T 10	23 15 3	17°0'55"	25°40'	16°44'	24°58'	20°52'	6°39'	8°21'	9°42'	0°45'	0°43'	11°50'	13°22'	11°53'	13°10'
W 11	23 19 0	17°59'14"	7 ^h 33'	15°45'	26°9'	21°30'	6°52'	8°24'	9°45'	0°47'	0°45'	11°42'	13°19'	11°59'	13°8'
T 12	23 22 56	18°57'35"	19°30'	14°49'	27°20'	22°9'	7°4'	8°27'	9°48'	0°49'	0°47'	11°37'	13°16'	12°6'	13°5'
F 13	23 26 53	19°55'58"	1 ^h 32'	13°56'	28°31'	22°47'	7°17'	8°30'	9°51'	0°50'	0°49'	11°35'	13°13'	12°13'	13°3'
S 14	23 30 49	20°54'23"	13°43'	13°9'	29°41'	23°26'	7°29'	8°33'	9°54'	0°52'	0°50'	11°D34	13°9'	12°19'	13°1'
S 15	23 34 46	21°52'51"	26°7'	12°29'	0 ^h 52'	24°4'	7°42'	8°36'	9°57'	0°54'	0°52'	11°35'	13°6'	12°26'	12°58'
M 16	23 38 42	22°51'20"	8 ^h 46'	11°56'	2°3'	24°43'	7°55'	8°39'	10°0'	0°56'	0°54'	11°36'	13°3'	12°33'	12°56'
T 17	23 42 39	23°49'52"	21°46'	11°31'	3°13'	25°22'	8°8'	8°43'	10°3'	0°58'	0°56'	11°R37	13°0'	12°40'	12°54'
W 18	23 46 35	24°48'26"	5 ^h 10'	11°15'	4°24'	26°0'	8°20'	8°46'	10°6'	1°0'	0°58'	11°37'	12°57'	12°46'	12°52'
T 19	23 50 32	25°47'02"	19°1'	11°D9'	5°34'	26°39'	8°33'	8°50'	10°9'	1°1'	1°0'	11°34'	12°54'	12°53'	12°50'
F 20	23 54 28	26°45'40"	3 ^h 18'	11°13'	6°45'	27°18'	8°46'	8°53'	10°12'	1°3'	1°2'	11°30'	12°50'	13°0'	12°48'
S 21	23 58 25	27°44'21"	18°1'	11°26'	7°55'	27°56'	8°59'	8°57'	10°15'	1°5'	1°3'	11°25'	12°47'	13°6'	12°46'
S 22	0 2 22	28°43'03"	3 ^h 22'	11°48'	9°5'	28°35'	9°12'	9°1'	10°17'	1°7'	1°5'	11°18'	12°44'	13°13'	12°44'
M 23	0 6 18	29°41'48"	18°14'	12°20'	10°15'	29°14'	9°25'	9°4'	10°20'	1°9'	1°7'	11°12'	12°41'	13°20'	12°42'
T 24	0 10 15	0 ^h 40'35"	3 ^h 27'	13°2'	11°25'	29°53'	9°37'	9°8'	10°23'	1°11'	1°9'	11°7'	12°38'	13°27'	12°41'
W 25	0 14 11	1°39'23"	18°30'	13°51'	12°35'	0 ^h 32'	9°50'	9°12'	10°26'	1°13'	1°10'	11°3'	12°34'	13°33'	12°39'
T 26	0 18 8	2°38'14"	3 ^h 15'	14°48'	13°45'	1°10'	10°3'	9°16'	10°28'	1°15'	1°12'	11°1'	12°31'	13°40'	12°37'
F 27	0 22 4	3°37'06"	17°34'	15°53'	14°55'	1°49'	10°16'	9°20'	10°31'	1°17'	1°14'	11°D1'	12°28'	13°47'	12°36'
S 28	0 26 1	4°36'01"	1 ^h 27'	17°4'	16°5'	2°28'	10°29'	9°25'	10°33'	1°19'	1°16'	11°2'	12°25'	13°53'	12°34'
S 29	0 29 57	5°34'57"	14°52'	18°21'	17°15'	3°7'	10°42'	9°29'	10°36'	1°21'	1°17'	11°4'	12°22'	14°0'	12°32'
M 30	0 33 54	6°33'55"	27°53'	19°44'	18°25'	3 ^h 46'	10°55'	9°33'	10°38'	1°23'	1°19'	11°5'	12°19'	14°7'	12°31'

Delta T = 32.00 sec.

OCTOBER 1957

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	0 37 51	7 ^h 32'54"	10 ^h 31'	21 ^h 11'	19 ^h 34'	4 ^h 25'	11 ^h 8'	9 ^h 38'	10°D41	1°25'	1°21'	11°R5'	12 ^h 15'	14 ^h 13'	12°R30
W 2	0 41 47	8°31'55"	22°52'	22°41'	20°44'	5°4'	11°21'	9°42'	10°43'	1°28'	1°22'	11 ^h 4'	12°12'	14°20'	12 ^h 28'
T 3	0 45 44	9°30'59"	5 ^h 30'	24°16'	21°53'	5°43'	11°34'	9°47'	10°45'	1°30'	1°24'	11°2'	12°9'	14°27'	12°27'
F 4	0 49 40	10°30'03"	16°59'	25°52'	23°2'	6°22'	11°47'	9°51'	10°48'	1°32'	1°26'	10°58'	12°6'	14°34'	12°26'
S 5	0 53 37	11°29'10"	28°52'	27°32'	24°12'	7°1'	12°0'	9°56'	10°50'	1°34'	1°27'	10°53'	12°3'	14°40'	12°25'
S 6	0 57 33	12°28'18"	10 ^h 43'	29°13'	25°21'	7°40'	12°13'	10°1'	10°52'	1°36'	1°29'	10°48'	12°0'	14°47'	12°24'
M 7	1 1 30	13°27'29"	22°35'	0 ^h 55'	26°30'	8°19'	12°26'	10°6'	10°54'	1°38'	1°30'	10°43'	11°56'	14°54'	12°23'
T 8	1 5 26	14°26'41"	4 ^h 30'	2°38'	27°39'	8°58'	12°39'	10°11'	10°56'	1°40'	1°32'	10°39'	11°53'	15°0'	12°22'
W 9	1 9 23	15°25'55"	16°29'	4°23'	28°48'	9°37'	12°52'	10°16'	10°58'	1°42'	1°34'	10°36'	11°50'	15°7'	12°21'
T 10	1 13 20	16°25'12"	28°35'	6°7'	29°56'	10°17'	13°5'	10°21'	11°0'	1°45'	1°35'	10°34'	11°47'	15°14'	12°20'
F 11	1 17 16	17°24'30"	10 ^h 49'	7°52'	1 ^h 5'	10°56'	13°18'	10°26'	11°2'	1°47'	1°37'	10°D33	11°44'	15°20'	12°19'
S 12	1 21 13	18°23'51"	23°12'	9°38'	2°14'	11°35'	13°31'	10°31'	11°4'	1°49'	1°38'	10°34'	11°40'	15°27'	12°19'
S 13	1 25 9	19°23'14"	5 ^h 47'	11°23'	3°22'	12°14'	13°44'	10°36'	11°6'	1°51'	1°39'	10°35'	11°37'	15°34'	12°18'
M 14	1 29 6	20°22'39"	18°37'	13°8'	4°30'	12°54'	13°57'	10°41'	11°8'	1°53'	1°41'	10°37'	11°34'	15°41'	12°17'
T 15	1 33 2	21°22'07"	1 ^h 42'	14°52'	5°38'	13°33'	14°10'	10°47'	11°10'	1°56'	1°42'	10°38'	11°31'	15°47'	12°17'
W 16	1 36 59	22°21'36"	15°7'	16°37'	6°46'	14°12'	14°23'	10°52'	11°12'	1°58'	1°44'	10°39'	11°28'	15°54'	12°17'
T 17	1 40 55	23°21'08"	28°51'	18°20'	7°54'	14°52'	14°36'	10°58'	11°13'	2°0'	1°45'	10°R39	11°25'	16°1'	12°16'
F 18	1 44 52	24°20'43"	12 ^h 56'	20°4'	9°2'	15°31'	14°49'	11°3'	11°15'	2°2'	1°46'	10°38'	11°21'	16°7'	12°16'
S 19	1 48 48	25°20'20"	27°20'	21°47'	10°10'	16°10'	15°1'	11°9'	11°17'	2°4'	1°48'	10°37'	11°18'	16°14'	12°16'
S 20	1 52 45	26°19'58"	12 ^h 0'	23°29'	11°17'	16°50'	15°14'	11°14'	11°18'	2°7'	1°49'	10°35'	11°15'	16°21'	12°16'
M 21	1 56 42	27°19'40"	26°52'	25°11'	12°25'	17°29'	15°27'	11°20'	11°20'	2°9'	1°50'	10°33'	11°12'	16°27'	12°15'
T 22	2 0 38	28°19'23"	11 ^h 47'	26°52'	13°32'	18°9'	15°40'	11°26'	11°21'	2°11'	1°52'	10°32'	11°9'	16°34'	12°D15
W 23	2 4 35	29°19'08"	26°37'	28°33'	14°39'	18°48'	15°53'	11°32'	11°22'	2°13'	1°53'	10°31'	11°6'	16°41'	12°15'
T 24	2 8 31	0 ^h 18'56"	11 ^h 15'	0 ^h 13'	15°46'	19°28'	16°6'	11°38'	11°24'	2°16'	1°54'	10°D31	11°2'	16°47'	12°16'
F 25	2 12 28	1°18'45"	25°34'	1°53'	16°53'	20°8'	16°18'	11°44'	11°25'	2°18'	1°55'	10°31'	10°59'	16°54'	12°16'
S 26	2 16 24	2°18'37"	9 ^h 30'	3°32'	18°0'	20°47'	16°31'	11°49'	11°26'	2°20'	1°56'	10°32'	10°56'	17°1'	12°16'
S 27	2 20 21	3°18'30"	23°2'	5°10'	19°6'	21°27'	16°44'	11°56'	11°28'	2°22'	1°57'	10°32'	10°53'	17°8'	12°16'
M 28	2 24 17	4°18'24"	6 ^h 8'	6°48'	20°13'	22°7'	16°57'	12°2'	11°29'	2°25'	1°59'	10°33'	10°50'	17°14'	12°17'
T 29	2 28 14	5°18'21"	18°51'	8°26'	21°19'	22°46'	17°9'	12°8'	11°30'	2°27'	2°0'	10°33'	10°46'	17°21'	12°17'
W 30	2 32 11	6°18'19"	1 ^h 16'	10°2'	22°25'	23°26'	17°22'	12°14'	11°31'	2°29'	2°1'	10°R34	10°43'	17°28'	12°18'
T 31	2 36 7	7 ^h 18'19"	13 ^h 25'	11 ^h 39'	23 ^h 31'	24 ^h 6'	17 ^h 35'	12 ^h 20'	11 ^h 32'	2 ^h 31'	2 ^h 2'	10 ^h 34'	10 ^h 40'	17 ^h 34'	12 ^h 18'

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SWISS EPHEMERIS for the year 1957

NOVEMBER 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	2 40 4	8♂18'20	25♂23	13♂15	24♂36	24♂46	17♂47	12♂26	11♂33	2♂34	2♂3	10♂R34	10♂37	17♂41	12♂19
S 2	2 44 0	9°18'23	7♂16	14°50	25°41	25°25	18° 0	12°33	11°34	2°36	2° 4	10♂33	10°34	17°48	12°20
S 3	2 47 57	10°18'27	19° 7	16°25	26°47	26° 5	18°12	12°39	11°34	2°38	2° 5	10°D33	10°31	17°54	12°20
M 4	2 51 53	11°18'33	1° 0	18° 0	27°52	26°45	18°25	12°45	11°35	2°40	2° 6	10°33	10°27	18° 1	12°21
T 5	2 55 50	12°18'41	12°58	19°34	28°56	27°25	18°37	12°52	11°36	2°43	2° 7	10°33	10°24	18° 8	12°22
W 6	2 59 46	13°18'50	25° 5	21° 8	0♂ 1	28° 5	18°50	12°58	11°36	2°45	2° 7	10°34	10°21	18°15	12°23
T 7	3 3 43	14°19'01	7♂23	22°41	1° 5	28°45	19° 2	13° 5	11°37	2°47	2° 8	10°R34	10°18	18°21	12°24
F 8	3 7 40	15°19'14	19°53	24°14	2° 9	29°25	19°14	13°11	11°38	2°49	2° 9	10°34	10°15	18°28	12°25
S 9	3 11 36	16°19'29	2♂35	25°47	3°12	0♂ 5	19°27	13°18	11°38	2°51	2°10	10°33	10°11	18°35	12°26
S 10	3 15 33	17°19'46	15°31	27°19	4°16	0°45	19°39	13°24	11°39	2°54	2°11	10°33	10° 8	18°41	12°28
M 11	3 19 29	18°20'04	28°41	28°51	5°19	1°25	19°51	13°31	11°39	2°56	2°11	10°32	10° 5	18°48	12°29
T 12	3 23 26	19°20'24	12♂3	0♂23	6°22	2° 5	20° 3	13°38	11°39	2°58	2°12	10°31	10° 2	18°55	12°30
W 13	3 27 22	20°20'47	25°39	1°54	7°24	2°45	20°15	13°44	11°40	3° 0	2°13	10°30	9°59	19° 1	12°32
T 14	3 31 19	21°21'11	9♂27	3°25	8°27	3°26	20°27	13°51	11°40	3° 2	2°13	10°29	9°56	19° 8	12°33
F 15	3 35 15	22°21'37	23°27	4°56	9°28	4° 6	20°39	13°58	11°40	3° 4	2°14	10°D29	9°52	19°15	12°35
S 16	3 39 12	23°22'05	7♂38	6°26	10°30	4°46	20°51	14° 5	11°40	3° 7	2°14	10°29	9°49	19°21	12°37
S 17	3 43 9	24°22'35	21°57	7°57	11°31	5°26	21° 3	14°11	11°R40	3° 9	2°15	10°30	9°46	19°28	12°38
M 18	3 47 5	25°23'06	6♂22	9°26	12°32	6° 7	21°15	14°18	11°40	3°11	2°16	10°31	9°43	19°35	12°40
T 19	3 51 2	26°23'40	20°49	10°56	13°33	6°47	21°27	14°25	11°40	3°13	2°16	10°32	9°40	19°42	12°42
W 20	3 54 58	27°24'15	5♂13	12°25	14°33	7°27	21°39	14°32	11°40	3°15	2°17	10°R33	9°37	19°48	12°44
T 21	3 58 55	28°24'52	19°30	13°53	15°32	8° 8	21°50	14°39	11°40	3°17	2°17	10°33	9°33	19°55	12°46
F 22	4 2 51	29°25'30	3♂35	15°22	16°32	8°48	22° 2	14°46	11°39	3°19	2°17	10°32	9°30	20° 2	12°48
S 23	4 6 48	0♂26'10	17°22	16°49	17°31	9°29	22°13	14°53	11°39	3°21	2°18	10°29	9°27	20° 8	12°50
S 24	4 10 44	1°26'51	0♂50	18°16	18°29	10° 9	22°25	15° 0	11°39	3°23	2°18	10°26	9°24	20°15	12°52
M 25	4 14 41	2°27'33	13°57	19°43	19°27	10°50	22°36	15° 7	11°38	3°25	2°18	10°23	9°21	20°22	12°54
T 26	4 18 38	3°28'17	26°43	21° 9	20°24	11°30	22°48	15°14	11°38	3°27	2°19	10°20	9°17	20°28	12°56
W 27	4 22 34	4°29'01	9♂10	22°34	21°21	12°11	22°59	15°21	11°37	3°29	2°19	10°17	9°14	20°35	12°59
T 28	4 26 31	5°29'47	21°22	23°58	22°18	12°51	23°10	15°28	11°37	3°31	2°19	10°14	9°11	20°42	13° 1
F 29	4 30 27	6°30'34	3♂21	25°21	23°14	13°32	23°21	15°35	11°36	3°33	2°19	10°D14	9° 8	20°48	13° 3
S 30	4 34 24	7♂31'21	15♂14	26♂43	24♂9	14♂13	23♂32	15♂42	11♂36	3♂35	2♂19	10♂14	9♂5	20♂55	13♂6

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DECEMBER 1957

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	4 38 20	8♂32'10	27♂4	28♂4	25♂4	14♂53	23♂43	15♂49	11°R35	3♂37	2♂20	10♂15	9♂2	21♂2	13♂8
M 2	4 42 17	9°32'59	8♂57	29°23	25°58	15°34	23°54	15°56	11♂34	3°39	2°20	10°17	8°58	21° 8	13°11
T 3	4 46 13	10°33'49	20°58	0♂41	26°51	16°15	24° 5	16° 3	11°33	3°41	2°20	10°19	8°55	21°15	13°13
W 4	4 50 10	11°34'40	3♂11	1°56	27°44	16°56	24°15	16°10	11°32	3°43	2°R20	10°20	8°52	21°22	13°16
T 5	4 54 7	12°35'33	15°38	3° 9	28°36	17°37	24°26	16°17	11°31	3°45	2°20	10°R20	8°49	21°29	13°19
F 6	4 58 3	13°36'26	28°23	4°19	29°27	18°18	24°37	16°24	11°30	3°46	2°20	10°18	8°46	21°35	13°22
S 7	5 2 0	14°37'20	11♂26	5°27	0♂18	18°58	24°47	16°31	11°29	3°48	2°20	10°15	8°43	21°42	13°25
S 8	5 5 56	15°38'15	24°47	6°30	1° 8	19°39	24°57	16°38	11°28	3°50	2°20	10°11	8°39	21°49	13°27
M 9	5 9 53	16°39'11	8♂23	7°30	1°57	20°20	25° 8	16°45	11°27	3°52	2°19	10° 5	8°36	21°55	13°30
T 10	5 13 49	17°40'08	22°13	8°24	2°45	21° 1	25°18	16°52	11°26	3°54	2°19	9°58	8°33	22° 2	13°33
W 11	5 17 46	18°41'06	6♂12	9°14	3°32	21°42	25°28	17° 0	11°25	3°55	2°19	9°52	8°30	22° 9	13°36
T 12	5 21 42	19°42'05	20°18	9°57	4°18	22°23	25°38	17° 7	11°23	3°57	2°19	9°48	8°27	22°15	13°40
F 13	5 25 39	20°43'06	4♂26	10°33	5° 3	23° 5	25°48	17°14	11°22	3°59	2°19	9°44	8°23	22°22	13°43
S 14	5 29 36	21°44'07	18°35	11° 1	5°48	23°46	25°58	17°21	11°21	4° 0	2°18	9°D43	8°20	22°29	13°46
S 15	5 33 32	22°45'09	2♂43	11°21	6°31	24°27	26° 7	17°28	11°19	4° 2	2°18	9°44	8°17	22°35	13°49
M 16	5 37 29	23°46'12	16°48	11°R31	7°13	25° 8	26°17	17°35	11°18	4° 4	2°18	9°45	8°14	22°42	13°52
T 17	5 41 25	24°47'17	0♂49	11°30	7°54	25°49	26°27	17°42	11°16	4° 5	2°17	9°46	8°11	22°49	13°56
W 18	5 45 22	25°48'22	14°45	11°19	8°34	26°31	26°36	17°49	11°15	4° 7	2°17	9°R46	8° 8	22°55	13°59
T 19	5 49 18	26°49'28	28°34	10°56	9°13	27°12	26°45	17°56	11°13	4° 8	2°17	9°44	8° 4	23° 2	14° 3
F 20	5 53 15	27°50'35	12♂13	10°21	9°50	27°53	26°54	18° 3	11°12	4°10	2°16	9°40	8° 1	23° 9	14° 6
S 21	5 57 11	28°51'43	25°41	9°35	10°26	28°35	27° 3	18°10	11°10	4°11	2°16	9°34	7°58	23°16	14° 9
S 22	6 1 8	29°52'51	8♂55	8°38	11° 1	29°16	27°12	18°17	11° 8	4°13	2°15	9°26	7°55	23°22	14°13
M 23	6 5 5	0♂53'59	21°53	7°31	11°34	29°57	27°21	18°24	11° 6	4°14	2°15	9°16	7°52	23°29	14°17
T 24	6 9 1	1°55'08	4♂34	6°17	12° 6	0♂39	27°30	18°31	11° 4	4°16	2°14	9° 6	7°49	23°36	14°20
W 25	6 12 58	2°56'16	16°59	4°58	12°36	1°20	27°39	18°38	11° 3	4°17	2°13	8°57	7°45	23°42	14°24
T 26	6 16 54	3°57'25	29° 9	3°36	13° 5	2° 2	27°47	18°45	11° 1	4°18	2°13	8°49	7°42	23°49	14°28
F 27	6 20 51	4°58'34	11♂8	2°14	13°32	2°43	27°55	18°52	10°59	4°20	2°12	8°43	7°39	23°56	14°31
S 28	6 24 47	5°59'43	23° 0	0°55	13°57	3°25	28° 4	18°59	10°57	4°21	2°11	8°40	7°36	24° 2	14°35
S 29	6 28 44	7° 0'52	4♂49	29♂41	14°20	4° 7	28°12	19° 6	10°55	4°22	2°11	8°D39	7°33	24° 9	14°39
M 30	6 32 41	8° 2'01	16°41	28°34	14°41	4°48	28°20	19°13	10°53	4°23	2°10	8°39	7°29	24°16	14°43
T 31	6 36 37	9♂3'10	28♂41	27♂35	15♂1	5♂30	28♂27	19♂20	10♂51	4♂25	2♂9	8♂40	7♂26	24♂22	14♂47

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