

SWISS EPHEMERIS for the year 1960

JANUARY 1960

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	6 38 38	9°34'29	10°16'16	24°58'28	28°11'22	20°18'18	18°44'44	9°27'27	20°R32	8°11'41	6°R 2	28°R 1	28°11'44	15°11'38	24°22'25
S 2	6 42 35	10°35'40	24°35'26	26°27'29	29°34'21	21° 2'18	18°57'57	9°34'34	20°13'31	8°43'43	6°11'1	27°11'55	28°40'40	15°45'45	24°28'28
S 3	6 46 31	11°36'51	8°11'24	27°58'00	0°46'46	21°46'46	19°10'10	9°42'42	20°29'29	8°44'44	6° 0'0	27°51'51	28°37'37	15°52'52	24°32'32
M 4	6 50 28	12°38'02	21°43'21	29°28'28	1°57'57	22°30'30	19°23'23	9°49'49	20°27'27	8°45'45	6° 0'0	27°50'50	28°34'34	15°59'59	24°35'35
T 5	6 54 25	13°39'12	4°10'36	0°59'59	3° 9'9	23°14'14	19°36'36	9°56'56	20°25'25	8°46'46	5°59'59	27°D50	28°31'31	16° 5'5	24°38'38
W 6	6 58 21	14°40'22	17° 6'6	2°31'31	4°21'21	23°58'58	19°49'49	10° 3'3	20°23'23	8°48'48	5°58'58	27°R50	28°28'28	16°12'12	24°42'42
T 7	7 2 18	15°41'31	29°18'18	4° 3'3	5°33'33	24°42'42	20° 2'2	10°10'10	20°21'21	8°49'49	5°57'57	27°49'49	28°24'24	16°19'19	24°45'45
F 8	7 6 14	16°42'40	11°18'18	5°35'35	6°45'45	25°26'26	20°15'15	10°17'17	20°19'19	8°50'50	5°56'56	27°46'46	28°21'21	16°25'25	24°49'49
S 9	7 10 11	17°43'49	23°13'13	7° 7'7	7°57'57	26°10'10	20°28'28	10°24'24	20°17'17	8°51'51	5°55'55	27°40'40	28°18'18	16°32'32	24°52'52
S 10	7 14 7	18°44'57	5°11'3	8°41'41	9° 9'9	26°54'54	20°41'41	10°31'31	20°15'15	8°52'52	5°55'55	27°32'32	28°15'15	16°39'39	24°56'56
M 11	7 18 4	19°46'05	16°54'54	10°14'14	10°22'22	27°38'38	20°54'54	10°38'38	20°13'13	8°53'53	5°54'54	27°21'21	28°12'12	16°46'46	24°59'59
T 12	7 22 0	20°47'13	28°49'49	11°48'48	11°34'34	28°22'22	21° 6'6	10°45'45	20°11'11	8°54'54	5°53'53	27° 9'9	28° 9'9	16°52'52	25° 3'3
W 13	7 25 57	21°48'20	10°54'48	13°22'22	12°46'46	29° 7'7	21°19'19	10°52'52	20° 8'8	8°55'55	5°52'52	26°56'56	28° 5'5	16°59'59	25° 7'7
T 14	7 29 54	22°49'26	22°54'54	14°57'57	13°59'59	29°51'51	21°31'31	10°59'59	20° 6'6	8°56'56	5°51'51	26°43'43	28° 2'2	17° 6'6	25°10'10
F 15	7 33 50	23°50'33	5°11'7	16°33'33	15°11'11	0°35'35	21°44'44	11° 6'6	20° 4'4	8°57'57	5°50'50	26°32'32	27°59'59	17°12'12	25°14'14
S 16	7 37 47	24°51'38	17°28'28	18° 8'8	16°24'24	1°19'19	21°56'56	11°13'13	20° 2'2	8°58'58	5°49'49	26°23'23	27°56'56	17°19'19	25°18'18
S 17	7 41 43	25°52'44	29°58'58	19°45'45	17°36'36	2° 4'4	22° 9'9	11°20'20	19°59'59	8°58'58	5°47'47	26°17'17	27°53'53	17°26'26	25°22'22
M 18	7 45 40	26°53'49	12°11'39	21°22'22	18°49'49	2°48'48	22°21'21	11°27'27	19°57'57	8°59'59	5°46'46	26°14'14	27°50'50	17°33'33	25°25'25
T 19	7 49 36	27°54'54	25°32'32	22°59'59	20° 2'2	3°33'33	22°33'33	11°34'34	19°55'55	9° 0'0	5°45'45	26°D13	27°46'46	17°39'39	25°29'29
W 20	7 53 33	28°55'58	8°11'39	24°37'37	21°15'15	4°17'17	22°46'46	11°41'41	19°52'52	9° 1'1	5°44'44	26°13'13	27°43'43	17°46'46	25°33'33
T 21	7 57 29	29°57'02	22° 3'3	26°15'15	22°27'27	5° 2'2	22°58'58	11°48'48	19°50'50	9° 1'1	5°43'43	26°14'14	27°40'40	17°53'53	25°37'37
F 22	8 1 26	0°58'06	5°11'46	27°54'54	23°40'40	5°46'46	23°10'10	11°54'54	19°47'47	9° 2'2	5°42'42	26°R14	27°37'37	18° 0'0	25°41'41
S 23	8 5 23	1°59'09	19°49'49	29°34'34	24°53'53	6°31'31	23°22'22	12° 1'1	19°45'45	9° 3'3	5°41'41	26°13'13	27°34'34	18° 6'6	25°45'45
S 24	8 9 19	3° 0'12	4°11'12	1°14'14	26° 6'6	7°16'16	23°34'34	12° 8'8	19°42'42	9° 3'3	5°39'39	26° 9'9	27°30'30	18°13'13	25°49'49
M 25	8 13 16	4° 1'14	18°52'52	2°55'55	27°19'19	8° 1'1	23°46'46	12°15'15	19°40'40	9° 4'4	5°38'38	26° 3'3	27°27'27	18°20'20	25°53'53
T 26	8 17 12	5° 2'16	3°11'12	4°36'36	28°32'32	8°45'45	23°58'58	12°22'22	19°37'37	9° 4'4	5°37'37	25°55'55	27°24'24	18°26'26	25°57'57
W 27	8 21 9	6° 3'18	18°40'40	6°18'18	29°46'46	9°30'30	24° 9'9	12°28'28	19°35'35	9° 5'5	5°36'36	25°47'47	27°21'21	18°33'33	26° 1'1
T 28	8 25 5	7° 4'18	3°11'30	8° 1'1	0°59'59	10°15'15	24°21'21	12°35'35	19°32'32	9° 5'5	5°34'34	25°39'39	27°18'18	18°40'40	26° 5'5
F 29	8 29 2	8° 5'18	18° 7'7	9°45'45	2°12'12	11° 0'0	24°33'33	12°42'42	19°30'30	9° 6'6	5°33'33	25°33'33	27°15'15	18°47'47	26° 9'9
S 30	8 32 59	9° 6'16	2°11'23	11°28'28	3°25'25	11°45'45	24°44'44	12°48'48	19°27'27	9° 6'6	5°32'32	25°28'28	27°11'11	18°53'53	26°13'13
S 31	8 36 55	10° 7'14	16°11'14	13°13'13	4°38'38	12°30'30	24°56'56	12°55'55	19°12'12	9°11'11	5°30'30	25°26'26	27°11'11	19°11'11	26°17'17

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	8 40 52	11° 8'10	29°11'39	14°58'58	5°52'52	13°15'15	25°17'17	13°13'13	19°R22	9°11'7	5°R29	25°D26	27°11'5	19°11'7	26°22'21
T 2	8 44 48	12° 9'05	12°11'37	16°44'44	7° 5'5	14° 0'0	25°19'19	13° 8'8	19°11'19	9° 7'7	5°11'27	25°11'27	27° 2'2	19°13'13	26°25'25
W 3	8 48 45	13° 9'59	25°13'13	18°30'30	8°18'18	14°45'45	25°30'30	13°14'14	19°17'17	9° 7'7	5°26'26	25°28'28	26°59'59	19°20'20	26°29'29
T 4	8 52 41	14°10'51	7°11'31	20°17'17	9°32'32	15°30'30	25°41'41	13°21'21	19°14'14	9° 8'8	5°25'25	25°29'29	26°56'56	19°27'27	26°33'33
F 5	8 56 38	15°11'42	19°35'35	22° 4'4	10°45'45	16°15'15	25°52'52	13°27'27	19°12'12	9° 8'8	5°23'23	25°R29	26°52'52	19°34'34	26°37'37
S 6	9 0 34	16°12'31	1°11'30	23°51'51	11°58'58	17° 0'0	26° 3'3	13°34'34	19° 9'9	9° 8'8	5°22'22	25°28'28	26°49'49	19°40'40	26°41'41
S 7	9 4 31	17°13'19	13°21'21	25°39'39	13°12'12	17°45'45	26°14'14	13°40'40	19° 6'6	9° 8'8	5°20'20	25°25'25	26°46'46	19°47'47	26°46'46
M 8	9 8 27	18°14'06	25°14'14	27°27'27	14°25'25	18°30'30	26°25'25	13°46'46	19° 4'4	9° 8'8	5°19'19	25°20'20	26°43'43	19°54'54	26°50'50
T 9	9 12 24	19°14'51	7°11'10	29°14'14	15°39'39	19°16'16	26°35'35	13°52'52	19° 1'1	9° 8'8	5°18'18	25°14'14	26°40'40	20° 1'1	26°54'54
W 10	9 16 21	20°15'35	19°14'14	1°11'2	16°52'52	20° 1'1	26°46'46	13°59'59	18°58'58	9°R 8	5°16'16	25° 7'7	26°36'36	20° 7'7	26°58'58
T 11	9 20 17	21°16'17	1°11'28	2°49'49	18° 6'6	20°46'46	26°56'56	14° 5'5	18°56'56	9° 8'8	5°15'15	25° 1'1	26°33'33	20°14'14	27° 2'2
F 12	9 24 14	22°16'58	13°53'53	4°35'35	19°19'19	21°31'31	27° 7'7	14°11'11	18°53'53	9° 8'8	5°13'13	24°55'55	26°30'30	20°21'21	27° 6'6
S 13	9 28 10	23°17'37	26°30'30	6°21'21	20°33'33	22°17'17	27°17'17	14°17'17	18°51'51	9° 8'8	5°12'12	24°51'51	26°27'27	20°27'27	27°10'10
S 14	9 32 7	24°18'15	9°11'20	8° 5'5	21°46'46	23° 2'2	27°27'27	14°23'23	18°48'48	9° 8'8	5°10'10	24°48'48	26°24'24	20°34'34	27°15'15
M 15	9 36 3	25°18'52	22°21'21	9°47'47	23° 0'0	23°48'48	27°37'37	14°29'29	18°45'45	9° 8'8	5° 9'9	24°D47	26°21'21	20°41'41	27°19'19
T 16	9 40 0	26°19'27	5°11'25	11°27'27	24°14'14	24°33'33	27°47'47	14°35'35	18°43'43	9° 8'8	5° 7'7	24°48'48	26°17'17	20°48'48	27°23'23
W 17	9 43 56	27°20'01	19° 0'0	13° 5'5	25°27'27	25°18'18	27°57'57	14°41'41	18°40'40	9° 7'7	5° 6'6	24°49'49	26°14'14	20°54'54	27°27'27
T 18	9 47 53	28°20'33	2°11'38	14°40'40	26°41'41	26° 4'4	28° 7'7	14°46'46	18°38'38	9° 7'7	5° 4'4	24°50'50	26°11'11	21° 1'1	27°31'31
F 19	9 51 50	29°21'05	16°27'27	16°11'11	27°55'55	26°50'50	28°17'17	14°52'52	18°35'35	9° 7'7	5° 3'3	24°52'52	26° 8'8	21° 8'8	27°36'36
S 20	9 55 46	0°11'35	0°11'28	17°37'37	29° 8'8	27°35'35	28°26'26	14°58'58	18°32'32	9° 7'7	5° 1'1	24°R52	26° 5'5	21°14'14	27°40'40
S 21	9 59 43	1°22'04	14°40'40	18°59'59	0°22'22	28°21'21	28°36'36	15° 3'3	18°30'30	9° 6'6	4°59'59	24°52'52	26° 2'2	21°21'21	27°44'44
M 22	10 3 39	2°22'32	29° 0'0	20°15'15	1°36'36	29° 6'6	28°45'45	15° 9'9	18°27'27	9° 6'6	4°58'58	24°50'50	25°58'58	21°28'28	27°48'48
T 23	10 7 36	3°22'58	13°26'26	21°25'25	2°50'50	29°52'52	28°54'54	15°15'15	18°25'25	9° 5'5	4°56'56	24°48'48	25°55'55	21°35'35	27°52'52
W 24	10 11 32	4°23'23	27°52'52	22°28'28	4° 3'3	0°38'38	29° 3'3	15°20'20	18°22'22	9° 5'5	4°55'55	24°45'45	25°52'52	21°41'41	27°56'56
T 25	10 15 29	5°23'47	12°11'25	23°23'23	5°17'17	1°23'23	29°12'12	15°25'25	18°20'20	9° 5'5	4°53'53	24°42'42	25°49'49	21°48'48	28° 1'1
F 26	10 19 25	6°24'09	26°27'27	24°11'11	6°31'31	2° 9'9	29°21'21	15°31'31	18°17'17	9° 4'4	4°52'52	24°40'40	25°46'46	21°55'55	28° 5'5
S 27	10 23 22	7°24'29	10°11'25	24°49'49	7°45'45	2°55'55	29°30'30	15°36'36	18°15'15	9° 3'3	4°50'50	24°38'38	25°42'42	22° 2'2	28° 9'9
S 28	10 27 19	8°24'47	24° 4'4	25°19'19	8°59'59	3°41'41	29°39'39	15°41'41	18°12'12	9° 3'3	4°49'49	24°D38	25°39'39	22° 8'8	28°13'13
M 29	10 31 15	9°11'25	7°11'23	25°11'39	10°11'12	4°11'27	29°11'47	15°11'46	18°11'10	9°11'2	4°11'47	24°11'38	25°11'36	22°11'15	28°11'17

SWISS EPHEMERIS for the year 1960

MARCH 1960

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	10 35 12	10 ^h 25'18"	20 ^h 07'20"	25 ^h 50'50"	11 ^h 26'26"	5 ^h 58'12"	29 ^h 57'55"	15 ^h 53'51"	18 ^h 08'08"	9 ^h 02'22"	4 ^h 04'46"	24 ^h 07'39"	25 ^h 07'33"	22 ^h 11'22"	28 ^h 28'21"
W 2	10 39 8	11 ^h 25'31"	2 ^h 38'58"	25 ^h 05'51"	12 ^h 40'00"	5 ^h 58'58"	0 ^h 3'4	15 ^h 56'00"	18 ^h 05'00"	9 ^h 01'00"	4 ^h 04'44"	24 ^h 04'40"	25 ^h 03'30"	22 ^h 28'28"	28 ^h 28'25"
T 3	10 43 5	12 ^h 25'42"	15 ^h 19'25"	25 ^h 04'43"	13 ^h 54'00"	6 ^h 44'00"	0 ^h 12'00"	16 ^h 1'00"	18 ^h 03'00"	9 ^h 00'00"	4 ^h 04'43"	24 ^h 04'41"	25 ^h 02'27"	22 ^h 35'25"	28 ^h 28'29"
F 4	10 47 1	13 ^h 25'50"	27 ^h 26'26"	25 ^h 02'26"	15 ^h 8'00"	7 ^h 30'00"	0 ^h 20'00"	16 ^h 0'00"	18 ^h 01'00"	9 ^h 00'00"	4 ^h 04'41"	24 ^h 04'42"	25 ^h 02'23"	22 ^h 42'28"	28 ^h 28'33"
S 5	10 50 58	14 ^h 25'57"	9 ^h 11'24"	25 ^h 0'00"	16 ^h 22'00"	8 ^h 16'00"	0 ^h 28'00"	16 ^h 11'00"	17 ^h 58'00"	8 ^h 59'00"	4 ^h 04'40"	24 ^h 04'43"	25 ^h 02'20"	22 ^h 49'28"	28 ^h 28'37"
S 6	10 54 54	15 ^h 26'01"	21 ^h 17'00"	24 ^h 26'00"	17 ^h 36'00"	9 ^h 2'00"	0 ^h 35'00"	16 ^h 16'00"	17 ^h 56'00"	8 ^h 58'00"	4 ^h 03'38"	24 ^h 04'43"	25 ^h 01'17"	22 ^h 55'28"	28 ^h 28'41"
M 7	10 58 51	16 ^h 26'04"	3 ^h 38'10"	23 ^h 45'00"	18 ^h 49'00"	9 ^h 48'00"	0 ^h 43'00"	16 ^h 20'00"	17 ^h 54'00"	8 ^h 57'00"	4 ^h 03'37"	24 ^h 04'42"	25 ^h 01'14"	23 ^h 2'28"	28 ^h 28'46"
T 8	11 2 48	17 ^h 26'04"	15 ^h 8'00"	22 ^h 58'00"	20 ^h 3'00"	10 ^h 34'00"	0 ^h 50'00"	16 ^h 25'00"	17 ^h 52'00"	8 ^h 56'00"	4 ^h 03'35"	24 ^h 04'42"	25 ^h 01'11"	23 ^h 9'28"	28 ^h 28'50"
W 9	11 6 44	18 ^h 26'02"	27 ^h 14'22"	22 ^h 6'00"	21 ^h 17'00"	11 ^h 20'00"	0 ^h 58'00"	16 ^h 30'00"	17 ^h 49'00"	8 ^h 55'00"	4 ^h 03'34"	24 ^h 04'41"	25 ^h 0'7"	23 ^h 15'28"	28 ^h 28'54"
T 10	11 10 41	19 ^h 25'58"	9 ^h 12'33"	21 ^h 10'00"	22 ^h 31'00"	12 ^h 6'00"	1 ^h 5'00"	16 ^h 34'00"	17 ^h 47'00"	8 ^h 55'00"	4 ^h 03'32"	24 ^h 04'40"	25 ^h 0'4"	23 ^h 22'28"	28 ^h 28'57"
F 11	11 14 37	20 ^h 25'52"	22 ^h 7'00"	20 ^h 12'00"	23 ^h 45'00"	12 ^h 52'00"	1 ^h 12'00"	16 ^h 38'00"	17 ^h 45'00"	8 ^h 54'00"	4 ^h 03'31"	24 ^h 04'39"	25 ^h 0'1"	23 ^h 29'29"	29 ^h 29'1"
S 12	11 18 34	21 ^h 25'44"	4 ^h 11'58"	19 ^h 14'00"	24 ^h 59'00"	13 ^h 38'00"	1 ^h 19'00"	16 ^h 43'00"	17 ^h 43'00"	8 ^h 53'00"	4 ^h 02'29"	24 ^h 04'39"	24 ^h 58'28"	23 ^h 36'29"	29 ^h 29'5"
S 13	11 22 30	22 ^h 25'33"	18 ^h 6'00"	18 ^h 15'00"	26 ^h 13'00"	14 ^h 24'00"	1 ^h 25'00"	16 ^h 47'00"	17 ^h 41'00"	8 ^h 52'00"	4 ^h 02'28"	24 ^h 04'39"	24 ^h 55'23"	23 ^h 42'29"	29 ^h 29'9"
M 14	11 26 27	23 ^h 25'21"	1 ^h 31'00"	17 ^h 18'00"	27 ^h 26'00"	15 ^h 10'00"	1 ^h 32'00"	16 ^h 51'00"	17 ^h 39'00"	8 ^h 51'00"	4 ^h 02'26"	24 ^h 04'39"	24 ^h 52'23"	23 ^h 49'29"	29 ^h 29'13"
T 15	11 30 23	24 ^h 25'06"	15 ^h 11'00"	16 ^h 24'00"	28 ^h 40'00"	15 ^h 56'00"	1 ^h 38'00"	16 ^h 55'00"	17 ^h 37'00"	8 ^h 50'00"	4 ^h 02'25"	24 ^h 04'39"	24 ^h 48'23"	23 ^h 56'29"	29 ^h 29'17"
W 16	11 34 20	25 ^h 24'50"	29 ^h 4'00"	15 ^h 34'00"	29 ^h 54'00"	16 ^h 42'00"	1 ^h 44'00"	16 ^h 59'00"	17 ^h 35'00"	8 ^h 49'00"	4 ^h 02'23"	24 ^h 04'39"	24 ^h 45'24"	24 ^h 3'29"	29 ^h 29'21"
T 17	11 38 16	26 ^h 24'32"	13 ^h 11'00"	14 ^h 48'00"	1 ^h 18'00"	17 ^h 28'00"	1 ^h 51'00"	17 ^h 3'00"	17 ^h 33'00"	8 ^h 48'00"	4 ^h 02'22"	24 ^h 04'39"	24 ^h 42'24"	24 ^h 9'29"	29 ^h 29'25"
F 18	11 42 13	27 ^h 24'13"	2 ^h 7'00"	14 ^h 7'00"	2 ^h 22'00"	18 ^h 14'00"	1 ^h 57'00"	17 ^h 7'00"	17 ^h 32'00"	8 ^h 46'00"	4 ^h 02'21"	24 ^h 04'39"	24 ^h 39'24"	24 ^h 16'29"	29 ^h 29'29"
S 19	11 46 10	28 ^h 23'51"	11 ^h 27'29"	13 ^h 32'00"	3 ^h 36'00"	19 ^h 0'00"	2 ^h 2'00"	17 ^h 11'00"	17 ^h 30'00"	8 ^h 45'00"	4 ^h 01'19"	24 ^h 04'38"	24 ^h 36'24"	24 ^h 23'29"	29 ^h 29'32"
S 20	11 50 6	29 ^h 23'28"	25 ^h 43'00"	13 ^h 2'00"	4 ^h 50'00"	19 ^h 47'00"	2 ^h 8'00"	17 ^h 14'00"	17 ^h 28'00"	8 ^h 44'00"	4 ^h 01'18"	24 ^h 04'38"	24 ^h 33'24"	24 ^h 29'29"	29 ^h 29'36"
M 21	11 54 3	0 ^h 23'04"	9 ^h 35'55"	12 ^h 39'00"	6 ^h 4'00"	20 ^h 33'00"	2 ^h 13'00"	17 ^h 18'00"	17 ^h 26'00"	8 ^h 43'00"	4 ^h 01'16"	24 ^h 04'38"	24 ^h 29'24"	24 ^h 36'29"	29 ^h 29'40"
T 22	11 57 59	1 ^h 22'37"	24 ^h 3'00"	12 ^h 22'00"	7 ^h 18'00"	21 ^h 19'00"	2 ^h 19'00"	17 ^h 21'00"	17 ^h 25'00"	8 ^h 42'00"	4 ^h 01'15"	24 ^h 04'39"	24 ^h 26'24"	24 ^h 43'29"	29 ^h 29'43"
W 23	12 1 56	2 ^h 22'09"	8 ^h 4'00"	12 ^h 11'00"	8 ^h 32'00"	22 ^h 5'00"	2 ^h 24'00"	17 ^h 25'00"	17 ^h 23'00"	8 ^h 41'00"	4 ^h 01'14"	24 ^h 04'39"	24 ^h 23'24"	24 ^h 50'29"	29 ^h 29'47"
T 24	12 5 52	3 ^h 21'39"	3 ^h 21'39"	12 ^h 0'6"	9 ^h 45'00"	22 ^h 51'00"	2 ^h 29'00"	17 ^h 28'00"	17 ^h 21'00"	8 ^h 39'00"	4 ^h 01'12"	24 ^h 04'40"	24 ^h 20'24"	24 ^h 56'29"	29 ^h 29'51"
F 25	12 9 49	4 ^h 21'07"	5 ^h 18'40"	12 ^h 7'00"	10 ^h 59'00"	23 ^h 38'00"	2 ^h 34'00"	17 ^h 31'00"	17 ^h 20'00"	8 ^h 38'00"	4 ^h 01'11"	24 ^h 04'41"	24 ^h 17'25"	25 ^h 3'29"	29 ^h 29'54"
S 26	12 13 45	5 ^h 20'33"	19 ^h 11'00"	12 ^h 14'00"	12 ^h 13'00"	24 ^h 24'00"	2 ^h 38'00"	17 ^h 34'00"	17 ^h 18'00"	8 ^h 37'00"	4 ^h 01'10"	24 ^h 04'41"	24 ^h 13'25"	25 ^h 10'29"	29 ^h 29'58"
S 27	12 17 42	6 ^h 19'57"	2 ^h 29'29"	12 ^h 26'00"	13 ^h 27'00"	25 ^h 10'00"	2 ^h 43'00"	17 ^h 37'00"	17 ^h 17'00"	8 ^h 35'00"	4 ^h 0'9"	24 ^h 04'41"	24 ^h 10'25"	25 ^h 17'0 ^h	2 ^h 2
M 28	12 21 39	7 ^h 19'20"	15 ^h 31'00"	12 ^h 43'00"	14 ^h 41'00"	25 ^h 56'00"	2 ^h 47'00"	17 ^h 40'00"	17 ^h 15'00"	8 ^h 34'00"	4 ^h 0'7"	24 ^h 04'40"	24 ^h 7'25"	25 ^h 23'0'0"	29 ^h 29'5"
T 29	12 25 35	8 ^h 18'40"	28 ^h 18'00"	13 ^h 5'00"	15 ^h 55'00"	26 ^h 43'00"	2 ^h 51'00"	17 ^h 43'00"	17 ^h 14'00"	8 ^h 33'00"	4 ^h 0'6"	24 ^h 04'39"	24 ^h 4'25"	25 ^h 30'0'0"	29 ^h 29'9"
W 30	12 29 32	9 ^h 17'58"	10 ^h 18'51"	13 ^h 32'00"	17 ^h 9'00"	27 ^h 29'00"	2 ^h 55'00"	17 ^h 46'00"	17 ^h 13'00"	8 ^h 31'00"	4 ^h 0'5"	24 ^h 04'37"	24 ^h 1'25"	25 ^h 37'0'12"	29 ^h 29'12"
T 31	12 33 28	10 ^h 17'13"	23 ^h 8'9"	14 ^h 18'4"	18 ^h 18'23"	28 ^h 15'00"	2 ^h 59'00"	17 ^h 49'00"	17 ^h 11'00"	8 ^h 30'00"	4 ^h 0'4"	24 ^h 04'35"	23 ^h 58'25"	25 ^h 43'0 ^h	29 ^h 29'15"

Delta T = 33.22 sec.

APRIL 1960

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	12 37 25	11 ^h 16'27	5 ^h 11'16	14 ^h 39'39	19 ^h 37'37	29 ^h 1'00	3 ^h 3'0	17 ^h 51'00	17 ^h 10'00	8 ^h 29'00	4 ^h 0'3	24 ^h 04'32	23 ^h 54'23	25 ^h 11'50	0 ^h 19'19
S 2	12 41 21	12 ^h 15'38	17 ^h 14'00	15 ^h 19'00	20 ^h 51'00	29 ^h 48'00	3 ^h 6'0	17 ^h 54'00	17 ^h 09'00	8 ^h 27'00	4 ^h 0'1	24 ^h 04'30	23 ^h 51'25	25 ^h 57'00	0 ^h 22'00
S 3	12 45 18	13 ^h 14'47	29 ^h 8'00	16 ^h 2'00	22 ^h 4'00	0 ^h 34'00	3 ^h 9'0	17 ^h 56'00	17 ^h 8'00	8 ^h 26'00	4 ^h 0'0	24 ^h 04'29	23 ^h 48'26	26 ^h 4'00	0 ^h 25'00
M 4	12 49 14	14 ^h 13'54	11 ^h 11'00	16 ^h 49'00	23 ^h 18'00	1 ^h 20'00	3 ^h 12'00	17 ^h 59'00	17 ^h 7'00	8 ^h 24'00	3 ^h 59'00	24 ^h 04'28	23 ^h 45'26	26 ^h 10'00	0 ^h 29'00
T 5	12 53 11	15 ^h 12'59	22 ^h 58'00	17 ^h 39'00	24 ^h 32'00	2 ^h 6'00	3 ^h 15'00	18 ^h 1'00	17 ^h 6'00	8 ^h 23'00	3 ^h 58'00	24 ^h 04'28	23 ^h 42'26	26 ^h 17'00	0 ^h 32'00
W 6	12 57 8	16 ^h 12'01	5 ^h 12'00	18 ^h 32'00	25 ^h 46'00	2 ^h 53'00	3 ^h 18'00	18 ^h 3'00	17 ^h 5'00	8 ^h 21'00	3 ^h 57'00	24 ^h 04'29	23 ^h 38'26	26 ^h 24'00	0 ^h 35'00
T 7	13 1 4	17 ^h 11'01	17 ^h 22'00	19 ^h 29'00	27 ^h 0'00	3 ^h 39'00	3 ^h 21'00	18 ^h 5'00	17 ^h 4'00	8 ^h 20'00	3 ^h 56'00	24 ^h 04'31	23 ^h 35'26	26 ^h 30'00	0 ^h 38'00
F 8	13 5 1	18 ^h 9'58	29 ^h 59'00	20 ^h 28'00	28 ^h 14'00	4 ^h 25'00	3 ^h 23'00	18 ^h 7'00	17 ^h 3'00	8 ^h 18'00	3 ^h 55'00	24 ^h 04'32	23 ^h 32'26	26 ^h 37'00	0 ^h 41'00
S 9	13 8 57	19 ^h 8'54	12 ^h 11'56	21 ^h 30'00	29 ^h 28'00	5 ^h 11'00	3 ^h 25'00	18 ^h 9'00	17 ^h 2'00	8 ^h 17'00	3 ^h 54'00	24 ^h 04'33	23 ^h 29'26	26 ^h 44'00	0 ^h 45'00
S 10	13 12 54	20 ^h 7'47	26 ^h 16'00	22 ^h 35'00	0 ^h 41'00	5 ^h 58'00	3 ^h 27'00	18 ^h 11'00	17 ^h 1'00	8 ^h 15'00	3 ^h 53'00	24 ^h 04'34	23 ^h 26'26	26 ^h 51'00	0 ^h 48'00
M 11	13 16 50	21 ^h 6'38	9 ^h 11'59	23 ^h 42'00	1 ^h 55'00	6 ^h 44'00	3 ^h 29'00	18 ^h 12'00	17 ^h 1'00	8 ^h 14'00	3 ^h 52'00	24 ^h 04'33	23 ^h 23'26	26 ^h 57'00	0 ^h 51'00
T 12	13 20 47	22 ^h 5'26	24 ^h 3'00	24 ^h 52'00	3 ^h 9'00	7 ^h 30'00	3 ^h 31'00	18 ^h 14'00	17 ^h 0'00	8 ^h 12'00	3 ^h 51'00	24 ^h 04'31	23 ^h 19'27	27 ^h 4'00	0 ^h 54'00
W 13	13 24 43	23 ^h 4'13	8 ^h 11'23	26 ^h 3'00	4 ^h 23'00	8 ^h 16'00	3 ^h 32'00	18 ^h 15'00	16 ^h 59'00	8 ^h 11'00	3 ^h 50'00	24 ^h 04'28	23 ^h 16'27	27 ^h 11'00	0 ^h 56'00
T 14	13 28 40	24 ^h 2'58	22 ^h 55'00	27 ^h 18'00	5 ^h 37'00	9 ^h 3'00	3 ^h 33'00	18 ^h 17'00	16 ^h 59'00	8 ^h 9'00	3 ^h 49'00	24 ^h 04'23	23 ^h 13'27	27 ^h 18'00	0 ^h 59'00
F 15	13 32 36	25 ^h 1'42	7 ^h 33'13	28 ^h 34'00	6 ^h 51'00	9 ^h 49'00	3 ^h 34'00	18 ^h 18'00	16 ^h 58'00	8 ^h 8'00	3 ^h 48'00	24 ^h 04'19	23 ^h 10'27	27 ^h 24'1'2	0 ^h 59'00
S 16	13 36 33	26 ^h 0'23	22 ^h 8'00	29 ^h 52'00	8 ^h 4'00	10 ^h 35'00	3 ^h 35'00	18 ^h 19'00	16 ^h 58'00	8 ^h 6'00	3 ^h 48'00	24 ^h 04'15	23 ^h 7'27	27 ^h 31'1'5	0 ^h 59'00
S 17	13 40 30	26 ^h 59'03	6 ^h 33'36	1 ^h 13'00	9 ^h 18'00	11 ^h 21'00	3 ^h 36'00	18 ^h 20'00	16 ^h 57'00	8 ^h 4'00	3 ^h 47'00	24 ^h 04'12	23 ^h 4'27	27 ^h 38'1'8	0 ^h 59'00
M 18	13 44 26	27 ^h 57'41	20 ^h 5'3	2 ^h 35'00	10 ^h 32'00	12 ^h 8'00	3 ^h 36'00	18 ^h 21'00	16 ^h 57'00	8 ^h 3'00	3 ^h 46'00	24 ^h 04'11	23 ^h 0'27	27 ^h 44'1'0	0 ^h 59'00
T 19	13 48 23	28 ^h 56'18	4 ^h 45'56	3 ^h 59'00	11 ^h 46'00	12 ^h 54'00	3 ^h 37'00	18 ^h 22'00	16 ^h 57'00	8 ^h 1'00	3 ^h 45'00	24 ^h 04'11	22 ^h 57'27	27 ^h 51'1'13	0 ^h 59'00
W 20	13 52 19	29 ^h 54'53	18 ^h 44'00	5 ^h 25'00	13 ^h 0'00	13 ^h 40'00	3 ^h 37'00	18 ^h 23'00	16 ^h 56'00	8 ^h 0'00	3 ^h 45'00	24 ^h 04'12	22 ^h 54'27	27 ^h 58'1'16	0 ^h 59'00
T 21	13 56 16	0 ^h 53'26	2 ^h 17'00	6 ^h 53'00	14 ^h 13'00	14 ^h 26'00	3 ^h 37'00	18 ^h 24'00	16 ^h 56'00	7 ^h 58'00	3 ^h 44'00	24 ^h 04'13	22 ^h 51'28	27 ^h 58'1'18	0 ^h 59'00
F 22	14 0 12	1 ^h 51'58	15 ^h 36'00	8 ^h 23'00	15 ^h 27'00	15 ^h 12'00	3 ^h 37'00	18 ^h 24'00	16 ^h 56'00	7 ^h 56'00	3 ^h 43'00	24 ^h 04'14	22 ^h 48'28	27 ^h 58'1'21	0 ^h 59'00
S 23	14 4 9	2 ^h 50'27	28 ^h 43'00	9 ^h 55'00	16 ^h 41'00	15 ^h 59'00	3 ^h 36'00	18 ^h 25'00	16 ^h 56'00	7 ^h 55'00	3 ^h 42'00	24 ^h 04'15	22 ^h 44'28	27 ^h 58'1'23	0 ^h 59'00
S 24	14 8 5	3 ^h 48'56	11 ^h 37'00	11 ^h 28'00	17 ^h 55'00	16 ^h 45'00	3 ^h 36'00	18 ^h 25'00	16 ^h 56'00	7 ^h 53'00	3 ^h 42'00	24 ^h 04'13	22 ^h 41'28	27 ^h 58'1'26	0 ^h 59'00
M 25	14 12 2	4 ^h 47'22	24 ^h 19'00	13 ^h 4'00	19 ^h 9'00	17 ^h 31'00	3 ^h 35'00	18 ^h 25'00	16 ^h 56'00	7 ^h 52'00	3 ^h 41'00	24 ^h 04'10	22 ^h 38'28	27 ^h 58'1'28	0 ^h 59'00
T 26	14 15 59	5 ^h 45'47	6 ^h 51'00	14 ^h 41'00	20 ^h 22'00	18 ^h 17'00	3 ^h 34'00	18 ^h 26'00	16 ^h 56'00	7 ^h 50'00	3 ^h 41'00	24 ^h 04'4	22 ^h 35'28	27 ^h 58'1'30	0 ^h 59'00
W 27	14 19 55	6 ^h 44'09	19 ^h 12'00	16 ^h 20'00	21 ^h 36'00	19 ^h 3'00	3 ^h 33'00	18 ^h 26'00	16 ^h 56'00	7 ^h 48'00	3 ^h 40'00	23 ^h 57'23	22 ^h 32'28	27 ^h 58'1'33	0 ^h 59'00
T 28	14 23 52	7 ^h 42'30	1 ^h 11'23	18 ^h 0'00	22 ^h 50'00	19 ^h 49'00	3 ^h 31'00	18 ^h 26'00	16 ^h 56'00	7 ^h 47'00	3 ^h 40'00	23 ^h 49'22	22 ^h 29'28	27 ^h 58'1'35	0 ^h 59'00
F 29	14 27 48	8 ^h 40'49	13 ^h 25'00	19 ^h 43'00	24 ^h 4'00	20 ^h 35'00	3 ^h 30'00	18 ^h 26'00	16 ^h 56'00	7 ^h 45'00	3 ^h 39'00	23 ^h 41'22	22 ^h 25'28	27 ^h 58'1'37	0 ^h 59'00
S 30	14 31 45	9 ^h 39'07	25 ^h 11'22	21 ^h 17'27	25 ^h 18'00	21 ^h 11'21	3 ^h 28'00	18 ^h 25'00	16 ^h 55'00	7 ^h 43'00	3 ^h 39'00	23 ^h 33'22	22 ^h 22'29	27 ^h 58'1'39	0 ^h 59'00

SWISS EPHEMERIS for the year 1960

MAY 1960

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	14 35 41	10♈37'22	7♊14	23♋13	26♋31	22♋7	3°R26	18°R25	16♌57	7°R42	3°R38	23°R27	22♍19	29♍12	1♎41
M 2	14 39 38	11°35'35	19° 5	25° 0	27°45	22°53	3♌24	18♌25	16°57	7♍40	3°R38	23♍22	22°16	29°19	1°43
T 3	14 43 34	12°33'46	1♌1	26°50	28°59	23°39	3°22	18°24	16°58	7°38	3°37	23°19	22°13	29°25	1°45
W 4	14 47 31	13°31'55	13° 4	28°41	0♈13	24°25	3°19	18°24	16°58	7°37	3°37	23°D19	22°10	29°32	1°47
T 5	14 51 28	14°30'03	25°20	0♈34	1°26	25°11	3°16	18°23	16°59	7°35	3°37	23°19	22° 6	29°39	1°49
F 6	14 55 24	15°28'08	7♎54	2°29	2°40	25°57	3°14	18°22	17° 0	7°34	3°37	23°20	22° 3	29°45	1°51
S 7	14 59 21	16°26'11	20°51	4°26	3°54	26°43	3°11	18°21	17° 0	7°32	3°36	23°R21	22° 0	29°52	1°52
S 8	15 3 17	17°24'12	4♌14	6°24	5° 7	27°29	3° 7	18°20	17° 1	7°30	3°36	23°20	21°57	29°59	1°54
M 9	15 7 14	18°22'12	18° 4	8°25	6°21	28°14	3° 4	18°19	17° 2	7°29	3°36	23°18	21°54	00♎6	1°56
T 10	15 11 10	19°20'10	2♍21	10°26	7°35	29° 0	3° 0	18°18	17° 2	7°27	3°36	23°13	21°50	0°12	1°57
W 11	15 15 7	20°18'06	17° 0	12°30	8°48	29°46	2°57	18°17	17° 3	7°26	3°36	23° 6	21°47	0°19	1°59
T 12	15 19 3	21°16'01	1♌56	14°35	10° 2	0♋32	2°53	18°16	17° 4	7°24	3°35	22°58	21°44	0°26	2° 0
F 13	15 23 0	22°13'54	16°58	16°41	11°16	1°18	2°49	18°14	17° 5	7°22	3°35	22°49	21°41	0°32	2° 2
S 14	15 26 57	23°11'46	1♌58	18°49	12°30	2° 3	2°45	18°13	17° 6	7°21	3°35	22°41	21°38	0°39	2° 3
S 15	15 30 53	24° 9'36	16°47	20°58	13°43	2°49	2°40	18°11	17° 7	7°19	3°D35	22°34	21°35	0°46	2° 4
M 16	15 34 50	25° 7'26	1♌17	23° 8	14°57	3°34	2°36	18° 9	17° 8	7°18	3°35	22°30	21°31	0°53	2° 5
T 17	15 38 46	26° 5'14	15°26	25°19	16°11	4°20	2°31	18° 8	17°10	7°16	3°35	22°28	21°28	0°59	2° 7
W 18	15 42 43	27° 3'01	29°13	27°30	17°24	5° 6	2°26	18° 6	17°11	7°15	3°35	22°D27	21°25	1° 6	2° 8
T 19	15 46 39	28° 0'47	12♋38	29°41	18°38	5°51	2°21	18° 4	17°12	7°13	3°36	22°28	21°22	1°13	2° 9
F 20	15 50 36	28°58'32	25°44	1♍53	19°52	6°37	2°16	18° 2	17°13	7°12	3°36	22°R28	21°19	1°20	2°10
S 21	15 54 32	29°56'15	8♋34	4° 4	21° 5	7°22	2°11	18° 0	17°15	7°10	3°36	22°27	21°16	1°26	2°11
S 22	15 58 29	0♍53'58	21°11	6°14	22°19	8° 8	2° 5	17°57	17°16	7° 9	3°36	22°23	21°12	1°33	2°12
M 23	16 2 26	1°51'39	3♌37	8°24	23°33	8°53	2° 0	17°55	17°18	7° 7	3°36	22°17	21° 9	1°40	2°13
T 24	16 6 22	2°49'20	15°53	10°33	24°46	9°38	1°54	17°53	17°19	7° 6	3°36	22° 9	21° 6	1°46	2°13
W 25	16 10 19	3°46'59	28° 2	12°40	26° 0	10°24	1°48	17°50	17°21	7° 4	3°37	21°57	21° 3	1°53	2°14
T 26	16 14 15	4°44'37	10♍4	14°46	27°14	11° 9	1°42	17°48	17°22	7° 3	3°37	21°45	21° 0	2° 0	2°15
F 27	16 18 12	5°42'14	22° 1	16°50	28°27	11°54	1°36	17°45	17°24	7° 2	3°37	21°32	20°56	2° 7	2°15
S 28	16 22 8	6°39'49	3♌54	18°52	29°41	12°39	1°30	17°42	17°26	7° 0	3°38	21°19	20°53	2°13	2°16
S 29	16 26 5	7°37'24	15°45	20°52	0♍55	13°24	1°24	17°40	17°28	6°59	3°38	21° 8	20°50	2°20	2°16
M 30	16 30 1	8°34'57	27°36	22°50	2° 8	14° 9	1°17	17°37	17°29	6°58	3°39	20°59	20°47	2°27	2°17
T 31	16 33 58	9♍32'28	9♌31	24♍45	3♍22	14♋54	1♌11	17♌34	17♌31	6♍56	3°R39	20°53	20°44	2♌33	2♋17

Delta T = 33.30 sec.

JUNE 1960

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	16 37 55	10♍29'59	21♌33	26♍38	4♍36	15♋39	1°R 4	17°R31	17♌33	6°R55	3°R40	20°R50	20♍41	2♌40	2♋17
T 2	16 41 51	11°27'28	3♎47	28°28	5°49	16°24	0♌57	17♌28	17°35	6♍54	3°40	20°R49	20°37	2°47	2°18
F 3	16 45 48	12°24'56	16°18	0♌15	7° 3	17° 9	0°51	17°25	17°37	6°52	3°41	20°49	20°34	2°54	2°18
S 4	16 49 44	13°22'22	29°10	2° 0	8°17	17°54	0°44	17°21	17°39	6°51	3°41	20°49	20°31	3° 0	2°18
S 5	16 53 41	14°19'48	12♌29	3°43	9°30	18°39	0°37	17°18	17°41	6°50	3°42	20°47	20°28	3° 7	2°R18
M 6	16 57 37	15°17'12	26°17	5°22	10°44	19°23	0°30	17°15	17°43	6°49	3°42	20°44	20°25	3°14	2°18
T 7	17 1 34	16°14'35	10♍34	6°59	11°58	20° 8	0°22	17°11	17°46	6°47	3°43	20°38	20°21	3°21	2°18
W 8	17 5 30	17°11'57	25°18	8°33	13°11	20°53	0°15	17° 8	17°48	6°46	3°44	20°30	20°18	3°27	2°18
T 9	17 9 27	18° 9'18	10♌24	10° 4	14°25	21°37	0° 8	17° 4	17°50	6°45	3°45	20°20	20°15	3°34	2°17
F 10	17 13 24	19° 6'39	25°40	11°33	15°39	22°22	0° 1	17° 1	17°52	6°44	3°45	20° 9	20°12	3°41	2°17
S 11	17 17 20	20° 3'58	10♌57	12°58	16°52	23° 6	29♌53	16°57	17°55	6°43	3°46	19°59	20° 9	3°47	2°17
S 12	17 21 17	21° 1'17	26° 2	14°21	18° 6	23°50	29°46	16°53	17°57	6°42	3°47	19°50	20° 6	3°54	2°17
M 13	17 25 13	21°58'36	10♌48	15°41	19°20	24°35	29°38	16°50	18° 0	6°41	3°48	19°44	20° 2	4° 1	2°16
T 14	17 29 10	22°55'54	25° 9	16°57	20°33	25°19	29°31	16°46	18° 2	6°40	3°49	19°41	19°59	4° 8	2°16
W 15	17 33 6	23°53'11	9♋3	18°11	21°47	26° 3	29°23	16°42	18° 5	6°39	3°49	19°40	19°56	4°14	2°15
T 16	17 37 3	24°50'29	22°30	19°22	23° 1	26°47	29°15	16°38	18° 7	6°38	3°50	19°39	19°53	4°21	2°15
F 17	17 40 59	25°47'46	5♋33	20°30	24°14	27°32	29° 8	16°34	18°10	6°37	3°51	19°39	19°50	4°28	2°14
S 18	17 44 56	26°45'02	18°17	21°34	25°28	28°16	29° 0	16°30	18°12	6°36	3°52	19°38	19°47	4°34	2°13
S 19	17 48 53	27°42'19	0♌45	22°35	26°42	29° 0	28°53	16°26	18°15	6°35	3°53	19°34	19°43	4°41	2°12
M 20	17 52 49	28°39'35	13° 0	23°33	27°55	29°43	28°45	16°22	18°18	6°34	3°54	19°28	19°40	4°48	2°12
T 21	17 56 46	29°36'51	25° 6	24°27	29° 9	0♌27	28°37	16°18	18°20	6°33	3°55	19°19	19°37	4°55	2°11
W 22	18 0 42	0♌34'06	7♍1	25°18	0♌23	1°11	28°30	16°14	18°23	6°33	3°56	19° 8	19°34	5° 1	2°10
T 23	18 4 39	1°31'22	19° 2	26° 6	1°37	1°55	28°22	16°10	18°26	6°32	3°57	18°55	19°31	5° 8	2° 9
F 24	18 8 35	2°28'37	0♌55	26°49	2°50	2°38	28°14	16° 5	18°29	6°31	3°59	18°41	19°27	5°15	2° 8
S 25	18 12 32	3°25'52	12°46	27°29	4° 4	3°22	28° 7	16° 1	18°32	6°30	4° 0	18°28	19°24	5°21	2° 7
S 26	18 16 28	4°23'06	24°38	28° 4	5°18	4° 5	27°59	15°57	18°34	6°30	4° 1	18°17	19°21	5°28	2° 5
M 27	18 20 25	5°20'20	6♌31	28°36	6°32	4°49	27°51	15°53	18°37	6°29	4° 2	18° 8	19°18	5°35	2° 4
T 28	18 24 22	6°17'34	18°29	29° 3	7°45	5°32	27°44	15°48	18°40	6°28	4° 3	18° 2	19°15	5°42	2° 3
W 29	18 28 18	7°14'47	0♎34	29°27	8°59	6°15	27°36	15°44	18°43	6°28	4° 5	17°59	19°12	5°48	2° 2
T 30	18 32 15	8♌12'00	12♎50	29♌45	10♌13	6♌58	27♌29	15♌40	18♌46	6♍27	4°R 6	17°D57	19°R 8	5♌55	2♋0

Delta T = 33.34 sec.

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SWISS EPHEMERIS for the year 1960

JULY 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	18 36 11	9°59'13"	25°11'21"	29°59'59"	11°58'27"	7°48'42"	27°02'22"	15°03'35"	18°04'49"	6°02'27"	4°07'07"	17°05'57"	19°05'05"	6°02'02"	1°05'59"
S 2	18 40 08	10°06'25"	8°41'11"	0°09'09"	12°40'40"	8°25'25"	27°07'14"	15°03'31"	18°05'53"	6°02'26"	4°08'08"	17°05'58"	19°05'02"	6°02'08"	1°05'57"
S 3	18 44 04	11°03'37"	21°02'25"	0°14'14"	13°54'54"	9°07'07"	27°07'07"	15°02'26"	18°05'56"	6°02'26"	4°10'10"	17°05'57"	18°05'59"	6°02'15"	1°05'56"
M 4	18 48 01	12°04'48"	5°06'16"	0°14'14"	15°08'50"	9°50'50"	27°07'00"	15°02'22"	18°05'59"	6°02'25"	4°11'11"	17°05'55"	18°05'56"	6°02'22"	1°05'54"
T 5	18 51 57	12°05'57"	19°01'16"	0°10'10"	16°02'22"	10°03'33"	26°53'53"	15°01'18"	19°02'02"	6°02'25"	4°13'13"	17°05'51"	18°05'53"	6°02'29"	1°05'53"
W 6	18 55 54	13°05'55"	3°05'52"	0°01'01"	17°03'35"	11°01'16"	26°04'45"	15°01'13"	19°02'05"	6°02'24"	4°14'14"	17°04'44"	18°04'49"	6°03'35"	1°05'51"
T 7	18 59 51	14°05'52"	21°05'21"	18°05'21"	29°04'47"	18°04'49"	11°05'58"	26°03'39"	15°01'09"	19°02'08"	4°15'15"	17°03'36"	18°04'46"	6°04'42"	1°05'49"
F 8	19 03 47	15°04'32"	4°03'06"	29°02'29"	20°03'03"	12°04'14"	26°03'32"	15°01'04"	19°02'12"	6°02'24"	4°17'17"	17°02'27"	18°04'43"	6°04'49"	1°05'47"
S 9	19 07 44	16°04'43"	19°02'24"	29°02'07"	21°01'17"	13°02'23"	26°02'25"	15°01'00"	19°02'15"	6°02'23"	4°18'18"	17°01'19"	18°04'40"	6°05'56"	1°05'46"
S 10	19 11 40	17°04'35"	4°03'35"	28°04'41"	22°03'30"	14°02'06"	26°01'18"	14°05'56"	19°02'18"	6°02'23"	4°20'20"	17°01'12"	18°03'37"	7°02'02"	1°05'44"
M 11	19 15 37	18°04'05"	19°03'30"	28°04'11"	23°04'44"	14°04'48"	26°01'12"	14°05'51"	19°02'21"	6°02'23"	4°21'21"	17°01'07"	18°03'33"	7°02'09"	1°05'42"
T 12	19 19 33	19°03'38"	4°04'00"	27°03'39"	24°05'58"	15°03'30"	26°01'05"	14°04'47"	19°02'25"	6°02'23"	4°23'23"	17°01'04"	18°03'30"	7°02'16"	1°05'40"
W 13	19 23 30	20°03'35"	21°03'29"	18°02'27"	26°01'12"	16°01'12"	25°05'59"	14°04'42"	19°02'28"	6°02'22"	4°24'24"	17°01'03"	18°02'27"	7°02'22"	1°05'38"
T 14	19 27 27	21°03'24"	1°03'26"	26°02'26"	27°02'26"	16°05'54"	25°05'52"	14°04'38"	19°02'32"	6°02'22"	4°26'26"	17°01'04"	18°02'24"	7°02'29"	1°05'36"
F 15	19 31 23	22°02'29"	14°04'44"	25°04'47"	28°03'39"	17°03'36"	25°04'46"	14°04'34"	19°02'35"	6°02'22"	4°28'28"	17°01'05"	18°02'21"	7°03'36"	1°05'34"
S 16	19 35 20	23°02'27"	0°02'08"	27°02'29"	25°04'07"	29°05'53"	18°01'18"	25°04'40"	14°04'29"	6°02'22"	4°29'29"	17°01'05"	18°01'18"	7°04'43"	1°05'32"
S 17	19 39 16	24°02'24"	9°02'56"	24°02'27"	1°02'07"	18°05'59"	25°03'34"	14°04'25"	19°02'42"	6°02'22"	4°31'31"	17°01'03"	18°01'14"	7°04'49"	1°05'29"
M 18	19 43 13	25°02'21"	22°02'08"	23°04'47"	2°02'21"	19°04'41"	25°02'28"	14°04'21"	19°02'45"	6°02'22"	4°32'32"	17°01'00"	18°01'11"	7°05'56"	1°05'27"
T 19	19 47 09	26°01'54"	4°04'10"	23°03'09"	3°03'35"	20°02'23"	25°02'23"	14°04'16"	19°02'49"	6°02'22"	4°34'34"	16°05'55"	18°01'08"	8°03'03"	1°05'25"
W 20	19 51 06	27°01'16"	16°05'27"	22°03'32"	4°04'49"	21°02'04"	25°01'17"	14°04'12"	19°02'52"	6°02'22"	4°36'36"	16°04'47"	18°01'05"	8°03'09"	1°05'23"
T 21	19 55 02	28°01'32"	27°05'27"	21°05'58"	6°03'03"	21°04'45"	25°01'12"	14°04'08"	19°02'56"	6°02'22"	4°37'37"	16°03'39"	18°01'02"	8°03'16"	1°05'20"
F 22	19 58 59	29°01'04"	9°02'48"	21°05'27"	7°03'16"	22°02'27"	25°01'07"	14°04'04"	19°02'59"	6°02'22"	4°39'39"	16°03'30"	17°01'59"	8°03'23"	1°05'18"
S 23	20 02 56	0°02'04"	8°04'04"	21°04'41"	21°04'00"	8°03'30"	23°01'08"	25°01'01"	13°05'59"	20°02'03"	6°02'22"	4°41'41"	16°02'21"	17°01'55"	8°03'30"
S 24	20 06 52	1°05'23"	3°02'36"	20°03'37"	9°04'44"	23°04'49"	24°05'56"	13°05'55"	20°02'06"	6°02'22"	4°43'43"	16°01'14"	17°01'52"	8°03'36"	1°05'13"
M 25	20 10 49	2°02'43"	15°03'36"	20°02'20"	10°05'58"	24°03'30"	24°05'52"	13°05'51"	20°02'10"	6°02'23"	4°44'44"	16°01'08"	17°01'49"	8°04'43"	1°05'11"
T 26	20 14 45	3°00'03"	27°02'42"	20°02'07"	12°02'12"	25°01'10"	24°04'47"	13°04'47"	20°02'14"	6°02'23"	4°46'46"	16°01'04"	17°01'46"	8°05'50"	1°05'08"
W 27	20 18 42	3°05'24"	9°05'27"	19°05'59"	13°02'26"	25°05'51"	24°04'42"	13°04'43"	20°02'17"	6°02'23"	4°48'48"	16°01'02"	17°01'43"	8°05'56"	1°05'06"
T 28	20 22 38	4°05'44"	22°02'22"	19°05'58"	14°04'40"	26°03'31"	24°03'38"	13°03'39"	20°02'21"	6°02'23"	4°50'50"	16°01'02"	17°01'39"	9°03'03"	1°05'03"
F 29	20 26 35	5°05'20"	5°02'07"	20°02'02"	15°05'54"	27°02'12"	24°03'34"	13°03'35"	20°02'25"	6°02'24"	4°52'52"	16°01'03"	17°01'36"	9°03'10"	1°05'00"
S 30	20 30 31	6°04'30"	17°05'55"	20°01'13"	17°05'07"	27°02'52"	24°03'30"	13°03'31"	20°02'28"	6°02'24"	4°53'53"	16°01'05"	17°01'33"	9°03'17"	0°05'58"
S 31	20 34 28	7°04'46"	5°03'53"	1°02'10"	20°02'30"	18°02'21"	28°03'32"	24°03'26"	13°03'28"	20°02'32"	6°02'25"	4°05'55"	16°01'06"	17°01'30"	9°03'23"

Delta T = 33.37 sec.

AUGUST 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
M 1	20 38 24	8°04'44"	14°04'46"	20°05'53"	19°02'35"	29°08'13"	24°04'22"	13°03'24"	20°02'36"	6°02'25"	4°05'57"	16°01'06"	17°01'27"	9°03'30"	0°05'52"
T 2	20 42 21	9°04'41"	28°04'47"	21°02'22"	20°04'49"	29°05'52"	24°04'19"	13°03'20"	20°02'39"	6°02'25"	4°05'59"	16°01'05"	17°01'24"	9°03'37"	0°05'50"
W 3	20 46 18	10°03'39"	0°03'06"	13°05'10"	21°05'58"	22°03'03"	0°02'32"	24°01'16"	13°03'16"	20°04'43"	6°02'26"	5°01'01"	16°01'02"	17°01'20"	9°04'43"
T 4	20 50 14	11°03'36"	27°05'33"	22°04'40"	23°03'17"	1°01'12"	24°01'12"	13°03'13"	20°04'47"	6°02'26"	5°03'03"	15°05'58"	17°01'17"	9°05'50"	0°04'44"
F 5	20 54 11	12°03'33"	12°03'57"	23°02'28"	24°03'31"	1°05'52"	24°01'10"	13°03'09"	20°05'50"	6°02'27"	5°05'05"	15°05'53"	17°01'14"	9°05'57"	0°04'41"
S 6	20 58 07	13°03'31"	27°05'54"	24°02'23"	25°04'45"	2°03'31"	24°01'07"	13°03'06"	20°05'54"	6°02'28"	5°07'07"	15°05'48"	17°01'11"	10°04'04"	0°03'39"
S 7	21 02 04	14°02'58"	12°05'55"	25°02'23"	26°05'59"	3°01'10"	24°01'04"	13°03'02"	20°05'58"	6°02'28"	5°08'08"	15°05'45"	17°01'08"	10°04'10"	0°03'36"
M 8	21 06 00	15°02'26"	27°04'45"	26°02'29"	28°03'13"	3°05'50"	24°01'02"	12°05'59"	21°01'01"	6°02'29"	5°10'10"	15°05'42"	17°01'05"	10°04'17"	0°03'33"
T 9	21 09 57	16°02'35"	12°05'15"	27°04'41"	29°02'26"	4°02'29"	23°05'59"	12°05'56"	21°01'05"	6°02'29"	5°12'12"	15°05'41"	17°01'01"	10°04'24"	0°03'30"
W 10	21 13 53	17°02'21"	26°02'20"	28°05'59"	0°04'40"	5°08'08"	23°05'57"	12°05'52"	21°01'09"	6°03'30"	5°14'14"	15°05'42"	16°05'58"	10°04'30"	0°02'27"
T 11	21 17 50	18°01'58"	10°05'00"	0°02'22"	1°05'54"	5°04'47"	23°05'55"	12°05'49"	21°01'13"	6°03'31"	5°16'16"	15°05'43"	16°05'55"	10°04'37"	0°02'24"
F 12	21 21 47	19°01'16"	23°01'13"	1°05'50"	3°08'08"	6°02'25"	23°05'54"	12°05'46"	21°01'16"	6°03'32"	5°18'18"	15°05'44"	16°05'52"	10°04'44"	0°02'21"
S 13	21 25 43	20°01'14"	0°05'03"	3°02'22"	4°02'22"	7°04'04"	23°05'52"	12°05'43"	21°01'20"	6°03'33"	5°20'20"	15°05'46"	16°05'49"	10°05'50"	0°01'19"
S 14	21 29 40	21°01'11"	18°03'32"	4°05'59"	5°03'36"	7°04'42"	23°05'51"	12°05'40"	21°01'24"	6°03'33"	5°22'22"	15°05'46"	16°05'45"	10°05'57"	0°01'16"
M 15	21 33 36	22°01'09"	0°02'46"	6°04'40"	6°05'50"	8°02'21"	23°05'50"	12°05'37"	21°01'28"	6°03'34"	5°24'24"	15°05'46"	16°05'42"	11°04'04"	0°01'13"
T 16	21 37 33	23°01'07"	12°04'48"	8°05'25"	8°04'04"	8°05'59"	23°05'49"	12°05'34"	21°01'31"	6°03'35"	5°26'26"	15°05'45"	16°05'39"	11°04'11"	0°01'10"
W 17	21 41 29	24°01'04"	24°04'42"	10°05'13"	9°01'18"	9°03'37"	23°05'48"	12°05'31"	21°01'35"	6°03'36"	5°28'28"	15°05'43"	16°05'36"	11°04'17"	0°01'07"
T 18	21 45 26	25°01'02"	6°02'34"	12°05'04"	10°03'32"	10°05'15"	23°05'47"	12°05'29"	21°01'39"	6°03'37"	5°30'30"	15°05'40"	16°05'33"	11°04'24"	0°01'04"
F 19	21 49 22	26°01'00"	18°02'26"	13°05'57"	11°04'46"	10°05'52"	23°05'47"	12°05'26"	21°01'42"	6°03'38"	5°32'32"	15°05'36"	16°05'30"	11°04'31"	0°01'01"
S 20	21 53 19	26°05'57"	0°02'21"	15°05'52"	12°05'59"	11°03'30"	23°05'47"	12°05'24"	21°01'46"	6°03'39"	5°34'34"	15°05'33"	16°05'26"	11°04'37"	29°05'58"
S 21	21 57 16	27°05'55"	12°02'23"	17°04'49"	14°03'13"	12°07'07"	23°05'47"	12°05'21"	21°01'50"	6°04'40"	5°36'36"	15°05'31"	16°05'23"	11°04'44"	29°05'55"
M 22	22 01 12	28°05'53"	24°02'32"	19°04'47"	15°02'27"	12°04'45"	23°05'47"	12°05'19"	21°01'54"	6°04'41"	5°38'38"	15°05'29"	16°05'20"	11°05'51"	29°05'52"
T 23	22 05 09	29°05'51"	6°05'51"	21°04'46"	16°04'41"	13°02'22"	23°05'47"	12°05'17"	21°01'57"	6°04'42"	5°40'40"	15°05'28"	16°05'17"	11°05'58"	29°05'49"
W 24	22 09 05	0°05'49"	19°02'21"	23°04'45"	17°05'55"	13°05'59"	23°05'48"	12°05'14"	22°01'01"	6°04'43"	5°42'42"	15°05'28"	16°05'14"	12°04'42"	29°05'46"
T 25	22 13 02	1°04'07"	2°04'03"	25°04'45"	19°09'09"	14°03'35"	23°05'48"	12°05'12"	22°01'05"	6°04'44"	5°44'44"	15°05'28"	16°05'10"	12°05'11"	29°05'43"
F 26	22 16 58	2°04'05"	2°04'05"	27°04'45"	20°02'23"	15°05'12"	23°05'49"	12°05'10"	22°01'08"	6°04'46"	5°46'46"	15°05'29"	16°05'07"	12°05'18"	29°05'40"
S 27	22 20 55	3°04'02"	28°02'07"	29°04'44"	21°03'37"	15°05'48"	23°05'50"	12°05'08"	22°01'12"	6°04'47"	5°48'48"	15°05'30"	16°05'04"	12°05'24"	29°05'37

SWISS EPHEMERIS for the year 1960

SEPTEMBER 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	22 40 38	8 ^h 32'59	7 ^h 34'5	9 ^h 32'27	27 ^h 46'18	18 ^h 48'23	23 ^h 59'12	R 0	22 ^h 30'0	6 ^h 53'5	5 ^h 59'15	15 ^h 31'15	15 ^h 48'15	12 ^h 58'12	29 ^h 22'29
F 2	22 44 34	9 ^h 31'03	22 ^h 19'6	11 ^h 27'29	29 ^h 0'19	19 ^h 23'24	24 ^h 1'11	3 ^h 59'22	22 ^h 34'6	6 ^h 55'1	6 ^h 1'15	15 ^h 31'15	15 ^h 45'13	13 ^h 5'29	29 ^h 19'29
S 3	22 48 31	10 ^h 29'09	6 ^h 58'13	13 ^h 20'0	0 ^h 14'19	19 ^h 58'24	24 ^h 3'11	5 ^h 59'22	22 ^h 38'6	6 ^h 56'3	6 ^h 3'15	15 ^h 30'15	15 ^h 42'13	13 ^h 11'29	29 ^h 16'29
S 4	22 52 27	11 ^h 27'16	21 ^h 37'15	15 ^h 13'1	1 ^h 28'20	20 ^h 33'24	24 ^h 6'11	11 ^h 56'22	22 ^h 41'6	6 ^h 58'1	6 ^h 5'15	15 ^h 30'15	15 ^h 39'13	13 ^h 18'29	29 ^h 13'29
M 5	22 56 24	12 ^h 25'24	6 ^h 7'17	17 ^h 4'2	2 ^h 42'21	21 ^h 8'24	24 ^h 9'11	11 ^h 55'22	22 ^h 45'6	6 ^h 59'1	6 ^h 7'15	15 ^h 29'15	15 ^h 36'13	13 ^h 25'29	29 ^h 11'29
T 6	23 0 20	13 ^h 23'35	20 ^h 24'18	18 ^h 55'3	3 ^h 55'21	21 ^h 42'24	24 ^h 11'11	11 ^h 54'22	22 ^h 48'7	6 ^h 1'15	6 ^h 9'15	15 ^h 29'15	15 ^h 32'13	13 ^h 31'29	29 ^h 8'29
W 7	23 4 17	14 ^h 21'47	4 ^h 22'20	20 ^h 44'5	5 ^h 9'22	22 ^h 17'24	24 ^h 15'11	11 ^h 53'22	22 ^h 52'7	6 ^h 11'15	6 ^h 11'15	15 ^h 29'15	15 ^h 29'13	13 ^h 38'29	29 ^h 5'29
T 8	23 8 14	15 ^h 20'00	17 ^h 59'22	22 ^h 32'6	6 ^h 23'22	22 ^h 51'24	24 ^h 18'11	11 ^h 52'22	22 ^h 56'7	6 ^h 13'15	6 ^h 13'15	15 ^h 29'15	15 ^h 26'13	13 ^h 45'29	29 ^h 2'29
F 9	23 12 10	16 ^h 18'16	1 ^h 14'24	24 ^h 19'7	7 ^h 37'23	23 ^h 25'24	24 ^h 21'11	11 ^h 52'22	22 ^h 59'7	6 ^h 15'15	6 ^h 15'15	15 ^h 29'15	15 ^h 23'13	13 ^h 52'29	29 ^h 5 ^h 59
S 10	23 16 7	17 ^h 16'34	14 ^h 6'26	26 ^h 4'8	8 ^h 51'23	23 ^h 59'24	24 ^h 25'11	11 ^h 51'23	23 ^h 3'7	6 ^h 17'15	6 ^h 17'15	15 ^h 29'15	15 ^h 20'13	13 ^h 58'28	28 ^h 56
S 11	23 20 3	18 ^h 14'54	26 ^h 39'27	27 ^h 49'10	10 ^h 4'24	24 ^h 32'24	24 ^h 29'11	11 ^h 50'23	23 ^h 6'7	6 ^h 19'15	6 ^h 19'15	15 ^h 29'15	15 ^h 16'14	14 ^h 5'28	28 ^h 54
M 12	23 24 0	19 ^h 13'16	8 ^h 55'29	29 ^h 32'11	11 ^h 18'25	25 ^h 5'24	24 ^h 33'11	11 ^h 50'23	23 ^h 9'7	6 ^h 21'15	6 ^h 21'15	15 ^h 29'15	15 ^h 13'14	14 ^h 12'28	28 ^h 51
T 13	23 27 56	20 ^h 11'40	20 ^h 58'1	12 ^h 32'25	12 ^h 32'25	25 ^h 38'24	24 ^h 37'11	11 ^h 50'23	23 ^h 13'7	6 ^h 23'15	6 ^h 23'15	15 ^h 29'15	15 ^h 10'14	14 ^h 18'28	28 ^h 48
W 14	23 31 53	21 ^h 10'06	2 ^h 56'13	13 ^h 46'26	11 ^h 4'26	26 ^h 11'24	24 ^h 41'11	11 ^h 49'23	23 ^h 16'7	6 ^h 25'15	6 ^h 25'15	15 ^h 29'15	15 ^h 7'14	14 ^h 25'28	28 ^h 46
T 15	23 35 49	22 ^h 8'35	14 ^h 45'4	14 ^h 59'26	14 ^h 59'26	26 ^h 44'24	24 ^h 46'11	11 ^h 49'23	23 ^h 20'7	6 ^h 27'15	6 ^h 27'15	15 ^h 29'15	15 ^h 4'14	14 ^h 32'28	28 ^h 43
F 16	23 39 46	23 ^h 7'05	26 ^h 38'6	16 ^h 13'16	16 ^h 13'16	27 ^h 16'24	24 ^h 50'11	11 ^h 49'23	23 ^h 23'7	6 ^h 29'15	6 ^h 29'15	15 ^h 30'15	15 ^h 1'14	14 ^h 39'28	28 ^h 40
S 17	23 43 43	24 ^h 5'38	8 ^h 36'7	17 ^h 27'27	17 ^h 27'27	27 ^h 49'24	24 ^h 55'11	11 ^h 49'23	23 ^h 26'7	6 ^h 31'15	6 ^h 31'15	15 ^h 31'15	14 ^h 57'14	14 ^h 45'28	28 ^h 38
S 18	23 47 39	25 ^h 4'12	20 ^h 43'9	18 ^h 41'28	18 ^h 41'28	28 ^h 20'25	25 ^h 0'11	11 ^h 49'23	23 ^h 30'7	6 ^h 33'15	6 ^h 33'15	15 ^h 32'15	14 ^h 54'14	14 ^h 52'28	28 ^h 35
M 19	23 51 36	26 ^h 2'49	3 ^h 2'11	11 ^h 6'19	19 ^h 54'28	28 ^h 52'25	25 ^h 5'11	11 ^h 50'23	23 ^h 33'7	6 ^h 35'15	6 ^h 35'15	15 ^h 32'15	14 ^h 51'14	14 ^h 59'28	28 ^h 33
T 20	23 55 32	27 ^h 1'28	15 ^h 35'12	12 ^h 41'21	21 ^h 8'29	29 ^h 24'25	25 ^h 11'11	11 ^h 50'23	23 ^h 36'7	6 ^h 37'15	6 ^h 37'15	15 ^h 33'15	14 ^h 48'15	15 ^h 5'28	28 ^h 30
W 21	23 59 29	28 ^h 0'09	28 ^h 24'14	14 ^h 15'22	22 ^h 22'29	29 ^h 55'25	25 ^h 16'11	11 ^h 50'23	23 ^h 40'7	6 ^h 38'15	6 ^h 38'15	15 ^h 32'15	14 ^h 45'15	15 ^h 12'28	28 ^h 28
T 22	0 3 25	28 ^h 58'51	11 ^h 1 ^h 28	15 ^h 48'23	23 ^h 36'0	0 ^h 26'25	25 ^h 22'11	11 ^h 51'23	23 ^h 43'7	6 ^h 40'15	6 ^h 40'15	15 ^h 31'15	14 ^h 42'14	15 ^h 19'28	28 ^h 25
F 23	0 7 22	29 ^h 57'36	24 ^h 47'17	17 ^h 20'24	24 ^h 49'0	0 ^h 56'25	25 ^h 28'11	11 ^h 52'23	23 ^h 46'7	6 ^h 42'15	6 ^h 42'15	15 ^h 30'15	14 ^h 38'15	15 ^h 25'28	28 ^h 23
S 24	0 11 18	0 ^h 56'22	8 ^h 20'18	18 ^h 51'26	26 ^h 3'1	1 ^h 27'25	25 ^h 34'11	11 ^h 52'23	23 ^h 49'7	6 ^h 44'15	6 ^h 44'15	15 ^h 28'15	14 ^h 35'14	15 ^h 32'28	28 ^h 20
S 25	0 15 15	1 ^h 55'11	22 ^h 5'20	20 ^h 21'27	17 ^h 17'1	1 ^h 57'25	25 ^h 40'11	11 ^h 53'23	23 ^h 52'7	6 ^h 46'15	6 ^h 46'15	15 ^h 26'15	14 ^h 32'14	15 ^h 39'28	28 ^h 18
M 26	0 19 11	2 ^h 54'01	6 ^h 2 ^h 0	21 ^h 50'28	30 ^h 28'2	2 ^h 26'25	25 ^h 46'11	11 ^h 54'23	23 ^h 55'7	6 ^h 48'15	6 ^h 48'15	15 ^h 24'15	14 ^h 29'14	15 ^h 46'28	28 ^h 16
T 27	0 23 8	3 ^h 52'53	20 ^h 3'23	18 ^h 18'29	44 ^h 2 ^h 56	2 ^h 56'25	25 ^h 53'11	11 ^h 55'23	23 ^h 59'7	6 ^h 50'15	6 ^h 50'15	15 ^h 22'15	14 ^h 26'14	15 ^h 52'28	28 ^h 14
W 28	0 27 5	4 ^h 51'47	4 ^h 12'24	24 ^h 45'0	58 ^h 3 ^h 25	2 ^h 59'25	25 ^h 59'11	11 ^h 56'24	24 ^h 2'7	6 ^h 52'15	6 ^h 52'15	15 ^h 22'15	14 ^h 22'14	15 ^h 59'28	28 ^h 11
T 29	0 31 1	5 ^h 50'42	18 ^h 24'26	11 ^h 2 ^h 1	2 ^h 11'3	3 ^h 54'26	26 ^h 6'11	11 ^h 58'24	24 ^h 5'7	6 ^h 54'15	6 ^h 54'15	15 ^h 22'15	14 ^h 19'16	16 ^h 6'28	28 ^h 9
F 30	0 34 58	6 ^h 49'39	2 ^h 39'27	23 ^h 36'3	25 ^h 3 ^h 25	4 ^h 22'26	26 ^h 13'11	11 ^h 59'24	24 ^h 8'7	7 ^h 41'15	7 ^h 41'15	15 ^h 23'15	14 ^h 16'12	16 ^h 12'28	28 ^h 7

Delta T = 33.45 sec.

OCTOBER 1960

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	0 38 54	7 ^h 48'38	16 ^h 52	29 ^h 0	4 ^h 38	4 ^h 51	26 ^h 20	12 ^h 30	24 ^h 11	7 ^h 45	6 ^h 57	15 ^h 25	14 ^h 13	16 ^h 19	28 ^h R 5
S 2	0 42 51	8 ^h 47'38	1 ^h 2	0 ^h 23	5 ^h 52	5 ^h 19	26 ^h 27	12 ^h 2	24 ^h 14	7 ^h 47	6 ^h 59	15 ^h 26	14 ^h 10	16 ^h 26	28 ^h 3
M 3	0 46 47	9 ^h 46'41	15 ^h 6	1 ^h 45	7 ^h 6	5 ^h 46	26 ^h 34	12 ^h 4	24 ^h 16	7 ^h 49	7 ^h 1	15 ^h R27	14 ^h 7	16 ^h 32	28 ^h 1
T 4	0 50 44	10 ^h 45'45	28 ^h 59	3 ^h 6	8 ^h 19	6 ^h 13	26 ^h 42	12 ^h 5	24 ^h 19	7 ^h 51	7 ^h 3	15 ^h 26	14 ^h 3	16 ^h 39	27 ^h 59
W 5	0 54 40	11 ^h 44'51	12 ^h 39	4 ^h 25	9 ^h 33	6 ^h 40	26 ^h 49	12 ^h 7	24 ^h 22	7 ^h 53	7 ^h 4	15 ^h 24	14 ^h 0	16 ^h 46	27 ^h 57
T 6	0 58 37	12 ^h 43'59	26 ^h 4	5 ^h 44	10 ^h 46	7 ^h 7	26 ^h 57	12 ^h 9	24 ^h 25	7 ^h 55	7 ^h 6	15 ^h 21	13 ^h 57	16 ^h 53	27 ^h 55
F 7	1 2 34	13 ^h 43'09	9 ^h 11	7 ^h 1	12 ^h 0	7 ^h 33	27 ^h 5	12 ^h 11	24 ^h 28	7 ^h 57	7 ^h 8	15 ^h 16	13 ^h 54	16 ^h 59	27 ^h 53
S 8	1 6 30	14 ^h 42'22	22 ^h 0	8 ^h 16	13 ^h 13	7 ^h 59	27 ^h 13	12 ^h 13	24 ^h 30	7 ^h 59	7 ^h 9	15 ^h 12	13 ^h 51	17 ^h 6	27 ^h 52
S 9	1 10 27	15 ^h 41'37	4 ^h 31	9 ^h 31	14 ^h 27	8 ^h 25	27 ^h 21	12 ^h 15	24 ^h 33	8 ^h 1	7 ^h 11	15 ^h 7	13 ^h 47	17 ^h 13	27 ^h 50
M 10	1 14 23	16 ^h 40'54	16 ^h 47	10 ^h 43	15 ^h 40	8 ^h 50	27 ^h 29	12 ^h 18	24 ^h 36	8 ^h 3	7 ^h 13	15 ^h 2	13 ^h 44	17 ^h 19	27 ^h 48
T 11	1 18 20	17 ^h 40'13	28 ^h 51	11 ^h 54	16 ^h 54	9 ^h 15	27 ^h 38	12 ^h 20	24 ^h 38	8 ^h 5	7 ^h 14	14 ^h 59	13 ^h 41	17 ^h 26	27 ^h 47
W 12	1 22 16	18 ^h 39'35	10 ^h 46	13 ^h 3	18 ^h 7	9 ^h 39	27 ^h 46	12 ^h 22	24 ^h 41	8 ^h 7	7 ^h 16	14 ^h 58	13 ^h 38	17 ^h 33	27 ^h 45
T 13	1 26 13	19 ^h 38'59	22 ^h 38	14 ^h 11	19 ^h 21	10 ^h 3	27 ^h 55	12 ^h 25	24 ^h 43	8 ^h 10	7 ^h 18	14 ^h D57	13 ^h 35	17 ^h 39	27 ^h 44
F 14	1 30 9	20 ^h 38'25	4 ^h 30	15 ^h 16	20 ^h 34	10 ^h 27	28 ^h 4	12 ^h 28	24 ^h 46	8 ^h 12	7 ^h 19	14 ^h 58	13 ^h 32	17 ^h 46	27 ^h 42
S 15	1 34 6	21 ^h 37'54	16 ^h 29	16 ^h 18	21 ^h 47	10 ^h 50	28 ^h 13	12 ^h 30	24 ^h 48	8 ^h 14	7 ^h 21	15 ^h 0	13 ^h 28	17 ^h 53	27 ^h 41
S 16	1 38 3	22 ^h 37'25	28 ^h 38	17 ^h 19	23 ^h 1	11 ^h 13	28 ^h 22	12 ^h 33	24 ^h 51	8 ^h 16	7 ^h 22	15 ^h 1	13 ^h 25	18 ^h 0	27 ^h 39
M 17	1 41 59	23 ^h 36'58	11 ^h 3	18 ^h 16	24 ^h 14	11 ^h 35	28 ^h 31	12 ^h 36	24 ^h 53	8 ^h 18	7 ^h 24	15 ^h R 2	13 ^h 22	18 ^h 6	27 ^h 38
T 18	1 45 56	24 ^h 36'33	23 ^h 46	19 ^h 11	25 ^h 27	11 ^h 57	28 ^h 40	12 ^h 39	24 ^h 55	8 ^h 21	7 ^h 25	15 ^h 2	13 ^h 19	18 ^h 13	27 ^h 37
W 19	1 49 52	25 ^h 36'11	6 ^h 50	20 ^h 2	26 ^h 41	12 ^h 18	28 ^h 50	12 ^h 42	24 ^h 58	8 ^h 23	7 ^h 27	15 ^h 0	13 ^h 16	18 ^h 20	27 ^h 36
T 20	1 53 49	26 ^h 35'50	20 ^h 14	20 ^h 49	27 ^h 54	12 ^h 39	28 ^h 59	12 ^h 46	25 ^h 0	8 ^h 25	7 ^h 28	14 ^h 56	13 ^h 13	18 ^h 26	27 ^h 35
F 21	1 57 45	27 ^h 35'32	3 ^h 59	21 ^h 33	29 ^h 7	13 ^h 0	29 ^h 9	12 ^h 49	25 ^h 2	8 ^h 27	7 ^h 30	14 ^h 50	13 ^h 9	18 ^h 33	27 ^h 34
S 22	2 1 42	28 ^h 35'15	18 ^h 0	22 ^h 11	0 ^h 21	13 ^h 20	29 ^h 19	12 ^h 52	25 ^h 4	8 ^h 29	7 ^h 31	14 ^h 43	13 ^h 6	18 ^h 40	27 ^h 33
S 23	2 5 38	29 ^h 35'01	2 ^h 13	22 ^h 45	1 ^h 34	13 ^h 39	29 ^h 28	12 ^h 56	25 ^h 6	8 ^h 32	7 ^h 33	14 ^h 36	13 ^h 3	18 ^h 46	27 ^h 32
M 24	2 9 35	0 ^h 34'48	16 ^h 33	23 ^h 14	2 ^h 47	13 ^h 58	29 ^h 38	12 ^h 59	25 ^h 8	8 ^h 34	7 ^h 34	14 ^h 29	13 ^h 0	18 ^h 53	27 ^h 31
T 25	2 13 31	1 ^h 34'38	0 ^h 55	23 ^h 36	4 ^h 1	14 ^h 17	29 ^h 49	13 ^h 3	25 ^h 10	8 ^h 36	7 ^h 35	14 ^h 24	12 ^h 57	19 ^h 0	27 ^h 30
W 26	2 17 28	2 ^h 34'28	15 ^h 14	23 ^h 52	5 ^h 14	14 ^h 35	29 ^h 59	13 ^h 7	25 ^h 12	8 ^h 38	7 ^h 37	14 ^h 20	12 ^h 53	19 ^h 7	27 ^h 29
T 27	2 21 25	3 ^h 34'21	29 ^h 26	24 ^h 0	6 ^h 27	14 ^h 52	0 ^h 9	13 ^h 10	25 ^h 14	8 ^h 40	7 ^h 38	14 ^h D 19	12 ^h 50	19 ^h 13	27 ^h 28
F 28	2 25 21	4 ^h 34'15	13 ^h 33	24 ^h R 1	7 ^h 40	15 ^h 9	0 ^h 19	13 ^h 14	25 ^h 16	8 ^h 43	7 ^h 39	14 ^h 19	12 ^h 47	19 ^h 20	27 ^h 28
S 29	2 29 18	5 ^h 34'11	27 ^h 27	23 ^h 53	8 ^h 53	15 ^h 25	0 ^h 30	13 ^h 18	25 ^h 18	8 ^h 45	7 ^h 41	14 ^h 20	12 ^h 44	19 ^h 27	27 ^h 27
S 30	2 33 14	6 ^h 34'08	11 ^h 13	23 ^h 36	10 ^h 6	15 ^h 41	0 ^h 41	13 ^h 22	25 ^h 20	8 ^h 47	7 ^h 42	14 ^h R 21	12 ^h 41	19 ^h 33	27 ^h 27
M 31	2 37 11	7 ^h 34'07	24 ^h 50	23 ^h 11	11 ^h 20	15 ^h 56	0 ^h 51	13 ^h 26	25 ^h 21	8 ^h 49	7 ^h 43	14 ^h 20	12 ^h 38	19 ^h 540	27 ^h 26

SWISS EPHEMERIS for the year 1960

NOVEMBER 1960

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	2 41 7	8♈34'08	8♈17	22°R35	12♈33	16♈11	1♉2	13♉30	25♈23	8♈52	7♈44	14°R18	12♈34	19♈47	27°R26
W 2	2 45 4	9°34'10	21°33	21♈50	13°46	16°25	1°13	13°35	25°25	8°54	7°45	14♈13	12°31	19°53	27°R25
T 3	2 49 0	10°34'14	4♉38	20°56	14°59	16°38	1°24	13°39	25°26	8°56	7°47	14°5	12°28	20°0	27°25
F 4	2 52 57	11°34'20	17°30	19°54	16°12	16°51	1°35	13°44	25°28	8°58	7°48	13°55	12°25	20°7	27°25
S 5	2 56 54	12°34'28	0♈8	18°45	17°25	17°3	1°46	13°48	25°29	9°1	7°49	13°44	12°22	20°13	27°25
S 6	3 0 50	13°34'38	12°33	17°30	18°38	17°14	1°57	13°53	25°31	9°3	7°50	13°33	12°18	20°20	27°25
M 7	3 4 47	14°34'49	24°45	16°12	19°51	17°25	2°9	13°57	25°32	9°5	7°51	13°23	12°15	20°27	27°D25
T 8	3 8 43	15°35'03	6♈47	14°52	21°3	17°35	2°20	14°2	25°33	9°7	7°52	13°14	12°12	20°34	27°25
W 9	3 12 40	16°35'19	18°40	13°34	22°16	17°45	2°32	14°7	25°35	9°10	7°53	13°7	12°9	20°40	27°25
T 10	3 16 36	17°35'36	0♈30	12°21	23°29	17°53	2°43	14°12	25°36	9°12	7°54	13°3	12°6	20°47	27°25
F 11	3 20 33	18°35'56	12°20	11°13	24°42	18°1	2°55	14°17	25°37	9°14	7°55	13°2	12°3	20°54	27°25
S 12	3 24 29	19°36'18	24°16	10°14	25°55	18°9	3°7	14°22	25°38	9°16	7°56	13°D2	11°59	21°0	27°25
S 13	3 28 26	20°36'41	6♈24	9°24	27°7	18°15	3°19	14°27	25°39	9°19	7°56	13°R2	11°56	21°7	27°26
M 14	3 32 23	21°37'06	18°48	8°46	28°20	18°21	3°31	14°32	25°40	9°21	7°57	13°2	11°53	21°14	27°26
T 15	3 36 19	22°37'34	1♈33	8°19	29°33	18°26	3°43	14°37	25°41	9°23	7°58	13°1	11°50	21°20	27°27
W 16	3 40 16	23°38'03	14°43	8°4	0♈46	18°30	3°55	14°42	25°42	9°25	7°59	12°57	11°47	21°27	27°27
T 17	3 44 12	24°38'33	28°20	8°D1	1°58	18°34	4°7	14°47	25°43	9°27	8°0	12°50	11°44	21°34	27°28
F 18	3 48 9	25°39'06	12♈23	8°8	3°11	18°36	4°19	14°53	25°43	9°30	8°0	12°41	11°40	21°40	27°28
S 19	3 52 5	26°39'40	26°47	8°26	4°23	18°38	4°31	14°58	25°44	9°32	8°1	12°30	11°37	21°47	27°29
S 20	3 56 2	27°40'16	11♈28	8°53	5°36	18°39	4°44	15°4	25°45	9°34	8°2	12°18	11°34	21°54	27°30
M 21	3 59 58	28°40'53	26°17	9°29	6°48	18°R39	4°56	15°9	25°45	9°36	8°2	12°7	11°31	22°1	27°31
T 22	4 3 55	29°41'32	11♈3	10°12	8°1	18°39	5°9	15°15	25°46	9°38	8°3	11°58	11°28	22°7	27°31
W 23	4 7 52	0♈42'12	25°43	11°2	9°13	18°37	5°21	15°21	25°46	9°40	8°3	11°51	11°24	22°14	27°32
T 24	4 11 48	1°42'53	10♈9	11°58	10°25	18°35	5°34	15°26	25°47	9°42	8°4	11°48	11°21	22°21	27°33
F 25	4 15 45	2°43'35	24°18	13°0	11°38	18°31	5°46	15°32	25°47	9°45	8°4	11°46	11°18	22°27	27°34
S 26	4 19 41	3°44'18	8♈9	14°5	12°50	18°27	5°59	15°38	25°48	9°47	8°5	11°46	11°15	22°34	27°36
S 27	4 23 38	4°45'02	21°44	15°15	14°2	18°23	6°12	15°44	25°48	9°49	8°5	11°46	11°12	22°41	27°37
M 28	4 27 34	5°45'47	5♈3	16°28	15°14	18°17	6°25	15°50	25°48	9°51	8°6	11°45	11°9	22°47	27°38
T 29	4 31 31	6°46'33	18°10	17°44	16°26	18°10	6°38	15°56	25°48	9°53	8°6	11°40	11°5	22°54	27°39
W 30	4 35 27	7°47'20	1♈4	19°11	17°38	18°3	6°51	16°3	25°48	9°55	8°6	11°33	11°2	23°1	27°41

Delta T = 33.52 sec.

DECEMBER 1960

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	4 39 24	8♈48'08	13♈48	20♈23	18♈50	17°R54	7♉4	16♉8	25°R48	9♈57	8♈7	11°R23	10♈59	23♈7	27°R42
F 2	4 43 21	9°48'57	26°22	21°45	20°2	17°545	7°17	16°14	25°R48	9°59	8°7	11°11	10°56	23°14	27°44
S 3	4 47 17	10°49'47	8♈45	23°9	21°14	17°35	7°30	16°20	25°48	10°1	8°7	10°56	10°53	23°21	27°45
S 4	4 51 14	11°50'39	21°0	24°34	22°26	17°24	7°43	16°27	25°48	10°3	8°7	10°42	10°50	23°28	27°47
M 5	4 55 10	12°51'31	3♈4	26°0	23°37	17°13	7°56	16°33	25°48	10°5	8°8	10°28	10°46	23°34	27°48
T 6	4 59 7	13°52'25	15°1	27°27	24°49	17°0	8°9	16°39	25°48	10°7	8°8	10°16	10°43	23°41	27°50
W 7	5 3 3	14°53'20	26°53	28°55	26°0	16°47	8°23	16°46	25°47	10°9	8°8	10°6	10°40	23°48	27°52
T 8	5 7 0	15°54'16	8♈41	0♈24	27°12	16°33	8°36	16°52	25°47	10°11	8°8	10°0	10°37	23°54	27°54
F 9	5 10 56	16°55'13	20°29	1°53	28°23	16°18	8°49	16°58	25°47	10°13	8°8	9°57	10°34	24°1	27°55
S 10	5 14 53	17°56'11	2♈23	3°23	29°35	16°2	9°3	17°5	25°46	10°15	8°R8	9°55	10°30	24°8	27°57
S 11	5 18 50	18°57'10	14°27	4°53	0♈46	15°46	9°16	17°11	25°46	10°16	8°8	9°55	10°27	24°14	27°59
M 12	5 22 46	19°58'11	26°47	6°24	1°57	15°29	9°30	17°18	25°45	10°18	8°8	9°55	10°24	24°21	28°1
T 13	5 26 43	20°59'12	9♈28	7°55	3°8	15°11	9°43	17°25	25°44	10°20	8°8	9°54	10°21	24°28	28°3
W 14	5 30 39	22°0'15	22°34	9°26	4°19	14°52	9°57	17°31	25°44	10°22	8°8	9°50	10°18	24°34	28°6
T 15	5 34 36	23°1'18	6♈10	10°57	5°30	14°33	10°11	17°38	25°43	10°24	8°8	9°44	10°15	24°41	28°8
F 16	5 38 32	24°2'23	20°16	12°29	6°41	14°13	10°24	17°45	25°42	10°25	8°7	9°36	10°11	24°48	28°10
S 17	5 42 29	25°3'29	4♈50	14°1	7°51	13°53	10°38	17°51	25°41	10°27	8°7	9°25	10°8	24°54	28°12
S 18	5 46 25	26°4'35	19°45	15°33	9°2	13°32	10°52	17°58	25°41	10°29	8°7	9°14	10°5	25°1	28°15
M 19	5 50 22	27°5'42	4♈53	17°5	10°12	13°10	11°5	18°5	25°40	10°31	8°7	9°3	10°2	25°8	28°17
T 20	5 54 19	28°6'49	20°4	18°38	11°23	12°48	11°19	18°12	25°39	10°32	8°6	8°54	9°59	25°14	28°20
W 21	5 58 15	29°7'57	5♈7	20°11	12°33	12°26	11°33	18°18	25°38	10°34	8°6	8°47	9°56	25°21	28°22
T 22	6 2 12	0♈9'05	19°53	21°43	13°43	12°4	11°47	18°25	25°36	10°35	8°6	8°43	9°52	25°28	28°25
F 23	6 6 8	1°10'14	4♈17	23°17	14°53	11°41	12°0	18°32	25°35	10°37	8°5	8°D42	9°49	25°35	28°27
S 24	6 10 5	2°11'22	18°18	24°50	16°3	11°17	12°14	18°39	25°34	10°39	8°5	8°42	9°46	25°41	28°30
S 25	6 14 1	3°12'30	1°V55	26°23	17°13	10°54	12°28	18°46	25°33	10°40	8°5	8°R42	9°43	25°48	28°32
M 26	6 17 58	4°13'39	15°11	27°57	18°22	10°30	12°42	18°53	25°32	10°42	8°4	8°42	9°40	25°55	28°35
T 27	6 21 54	5°14'47	28°8	29°31	19°32	10°6	12°56	19°0	25°30	10°43	8°4	8°39	9°36	26°1	28°38
W 28	6 25 51	6°15'56	10♈49	1♈5	20°41	9°43	13°10	19°7	25°29	10°45	8°3	8°34	9°33	26°8	28°41
T 29	6 29 48	7°17'04	23°18	2°40	21°50	9°19	13°24	19°14	25°27	10°46	8°2	8°26	9°30	26°15	28°44
F 30	6 33 44	8°18'13	5♈37	4°15	22°59	8°55	13°38	19°21	25°26	10°47	8°2	8°16	9°27	26°21	28°47
S 31	6 37 41	9°19'21	17°46	5♈50	24°8	8°531	13°51	19°28	25°24	10°49	8°1	8°15	9°24	26°28	28°49

Delta T = 33.55 sec.

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