

SWISS EPHEMERIS for the year 1960

JANUARY 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	6 38 38	9♌34'29	10♋16	24♌58	28♌22	20♌18	18♌44	9♌27	20♌R32	8♌L41	6♌R 2	28♌R 1	28♌M44	15♌II38	24♌≈25	
S 2	6 42 35	10♌35'40	24°35	26°27	29°34	21° 2	18°57	9°34	20♌Ω31	8°43	6♌M 1	27♌M55	28°40	15°45	24°28	
S 3	6 46 31	11°36'51	8♌H24	27°58	0♌A46	21°46	19°10	9°42	20°29	8°44	6° 0	27°51	28°37	15°52	24°32	
M 4	6 50 28	12°38'02	21°43	29°28	1°57	22°30	19°23	9°49	20°27	8°45	6° 0	27°50	28°34	15°59	24°35	
T 5	6 54 25	13°39'12	4♌P36	0♌Z59	3° 9	23°14	19°36	9°56	20°25	8°46	5°59	27°D50	28°31	16° 5	24°38	
W 6	6 58 21	14°40'22	17° 6	2°31	4°21	23°58	19°49	10° 3	20°23	8°48	5°58	27°R50	28°28	16°12	24°42	
T 7	7 2 18	15°41'31	29°18	4° 3	5°33	24°42	20° 2	10°10	20°21	8°49	5°57	27°49	28°24	16°19	24°45	
F 8	7 6 14	16°42'40	11♌B19	5°35	6°45	25°26	20°15	10°17	20°19	8°50	5°56	27°46	28°21	16°25	24°49	
S 9	7 10 11	17°43'49	23°13	7° 7	7°57	26°10	20°28	10°24	20°17	8°51	5°55	27°40	28°18	16°32	24°52	
S 10	7 14 7	18°44'57	5♌II 3	8°41	9° 9	26°54	20°41	10°31	20°15	8°52	5°55	27°32	28°15	16°39	24°56	
M11	7 18 4	19°46'05	16°54	10°14	10°22	27°38	20°54	10°38	20°13	8°53	5°54	27°21	28°12	16°46	24°59	
T 12	7 22 0	20°47'13	28°49	11°48	11°34	28°22	21° 6	10°45	20°11	8°54	5°53	27° 9	28° 9	16°52	25° 3	
W13	7 25 57	21°48'20	10♌G48	13°22	12°46	29° 7	21°19	10°52	20° 8	8°55	5°52	26°56	28° 5	16°59	25° 7	
T 14	7 29 54	22°49'26	22°54	14°57	13°59	29°51	21°31	10°59	20° 6	8°56	5°51	26°43	28° 2	17° 6	25°10	
F 15	7 33 50	23°50'33	5♌L 7	16°33	15°11	0♌Z35	21°44	11° 6	20° 4	8°57	5°50	26°32	27°59	17°12	25°14	
S 16	7 37 47	24°51'38	17°28	18° 8	16°24	1°19	21°56	11°13	20° 2	8°58	5°49	26°23	27°56	17°19	25°18	
S 17	7 41 43	25°52'44	29°58	19°45	17°36	2° 4	22° 9	11°20	19°59	8°58	5°47	26°17	27°53	17°26	25°22	
M18	7 45 40	26°53'49	12♌M39	21°22	18°49	2°48	22°21	11°27	19°57	8°59	5°46	26°14	27°50	17°33	25°25	
T 19	7 49 36	27°54'54	25°32	22°59	20° 2	3°33	22°33	11°34	19°55	9° 0	5°45	26°D13	27°46	17°39	25°29	
W20	7 53 33	28°55'58	8♌A39	24°37	21°15	4°17	22°46	11°41	19°52	9° 1	5°44	26°13	27°43	17°46	25°33	
T 21	7 57 29	29°57'02	22° 3	26°15	22°27	5° 2	22°58	11°48	19°50	9° 1	5°43	26°14	27°40	17°53	25°37	
F 22	8 1 26	0♌≈58'06	5♌L46	27°54	23°40	5°46	23°10	11°54	19°47	9° 2	5°42	26°R14	27°37	18° 0	25°41	
S 23	8 5 23	1°59'09	19°49	29°34	24°53	6°31	23°22	12° 1	19°45	9° 3	5°41	26°13	27°34	18° 6	25°45	
S 24	8 9 19	3° 0'12	4♌A12	1♌A14	26° 6	7°16	23°34	12° 8	19°42	9° 3	5°39	26° 9	27°30	18°13	25°49	
M25	8 13 16	4° 1'14	18°52	2°55	27°19	8° 1	23°46	12°15	19°40	9° 4	5°38	26° 3	27°27	18°20	25°53	
T 26	8 17 12	5° 2'16	3♌Z44	4°36	28°32	8°45	23°58	12°22	19°37	9° 4	5°37	25°55	27°24	18°26	25°57	
W27	8 21 9	6° 3'18	18°40	6°18	29°46	9°30	24° 9	12°28	19°35	9° 5	5°36	25°47	27°21	18°33	26° 1	
T 28	8 25 5	7° 4'18	3♌A30	8° 1	0♌Z59	10°15	24°21	12°35	19°32	9° 5	5°34	25°39	27°18	18°40	26° 5	
F 29	8 29 2	8° 5'18	18° 7	9°45	2°12	11° 0	24°33	12°42	19°30	9° 6	5°33	25°33	27°15	18°47	26° 9	
S 30	8 32 59	9° 6'16	2♌H23	11°28	3°25	11°45	24°44	12°48	19°27	9° 6	5°32	25°28	27°11	18°53	26°13	
S 31	8 36 55	10♌≈ 7'14	16♌H14	13♌≈13	4♌Z38	12♌Z30	24♌≈56	12♌Z55	19♌Ω25	9♌M 7	5♌M30	25♌M26	27♌M 8	19♌II 0	26♌≈17	

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
F 1	23s 6	14s 5	3n43	23s31	0s10	17s33	2n18	23s27	0s22	22s30	0n28	22s34	0n33	15n20	0n44	12s45	1n44	20n51	12n28	0n47	0n30	17n41	7s50	5n53
S 2	23 1	10 43	2 46	23 41	2 10	17 50	2 17	23 31	0 23	22 31	0 28	22 33	0 33	15 21	0 44	12 45	1 45	20 52	12 29	0 50	0 32	17 41	7 49	5 52
S 3	22 56	6 52	1 41	23 50	0 24	18 7	2 15	23 35	0 23	22 32	0 28	22 33	0 32	15 21	0 44	12 46	1 45	20 52	12 29	0 51	0 33	17 42	7 48	5 52
M 4	22 50	2 47	0 32	23 58	0 31	18 22	2 13	23 38	0 24	22 33	0 28	22 32	0 32	15 22	0 44	12 46	1 45	20 53	12 29	0 52	0 34	17 42	7 48	5 52
T 5	22 44	1n17	0s36	24 4	0 38	18 38	2 12	23 41	0 25	22 34	0 28	22 32	0 32	15 23	0 44	12 46	1 45	20 53	12 30	0 52	0 35	17 43	7 47	5 52
W 6	22 38	5 10	1 40	24 9	0 44	18 53	2 10	23 44	0 25	22 35	0 28	22 32	0 32	15 23	0 44	12 47	1 45	20 54	12 30	0 52	0 37	17 43	7 46	5 51
T 7	22 31	8 45	2 39	24 13	0 51	19 8	2 8	23 46	0 26	22 36	0 28	22 31	0 32	15 24	0 44	12 47	1 45	20 55	12 30	0 52	0 38	17 44	7 45	5 51
F 8	22 24	11 55	3 29	24 16	0 57	19 22	2 6	23 48	0 27	22 37	0 28	22 31	0 32	15 25	0 44	12 47	1 45	20 55	12 31	0 53	0 39	17 44	7 44	5 51
S 9	22 16	14 33	4 10	24 18	1 3	19 36	2 4	23 50	0 27	22 38	0 28	22 30	0 32	15 25	0 44	12 48	1 45	20 56	12 31	0 55	0 41	17 45	7 43	5 51
S 10	22 8	16 34	4 39	24 18	1 8	19 49	2 2	23 52	0 28	22 39	0 28	22 30	0 32	15 26	0 44	12 48	1 45	20 57	12 32	0 59	0 42	17 45	7 42	5 50
M11	21 59	17 52	4 57	24 17	1 14	20 2	2 0	23 54	0 29	22 40	0 28	22 29	0 32	15 27	0 44	12 48	1 45	20 57	12 32	1 3	0 43	17 46	7 41	5 50
T 12	21 50	18 24	5 2	24 14	1 19	20 14	1 58	23 55	0 29	22 41	0 28	22 29	0 32	15 27	0 44	12 48	1 45	20 58	12 32	1 8	0 44	17 46	7 40	5 50
W13	21 41	18 8	4 53	24 10	1 24	20 25	1 55	23 56	0 30	22 42	0 28	22 28	0 32	15 28	0 44	12 49	1 45	20 59	12 33	1 13	0 46	17 47	7 39	5 50
T 14	21 31	17 2	4 32	24 5	1 29	20 36	1 53	23 57	0 31	22 43	0 28	22 28	0 32	15 29	0 44	12 49	1 45	21 0	12 33	1 18	0 47	17 47	7 38	5 49
F 15	21 20	15 9	3 57	23 58	1 34	20 47	1 51	23 58	0 31	22 43	0 28	22 27	0 32	15 30	0 44	12 49	1 45	21 0	12 33	1 23	0 48	17 48	7 37	5 49
S 16	21 10	12 34	3 11	23 50	1 38	20 57	1 48	23 58	0 32	22 44	0 28	22 27	0 32	15 30	0 44	12 49	1 45	21 1	12 34	1 26	0 49	17 48	7 36	5 49
S 17	20 58	9 22	2 15	23 40	1 42	21 7	1 46	23 58	0 32	22 45	0 28	22 26	0 32	15 31	0 44	12 50	1 45	21 2	12 34	1 29	0 51	17 49	7 35	5 49
M18	20 47	5 42	1 12	23 29	1 46	21 15	1 43	23 58	0 33	22 46	0 28	22 25	0 32	15 32	0 44	12 50	1 45	21 2	12 34	1 30	0 52	17 49	7 34	5 48
T 19	20 35	1 43	0 4	23 17	1 49	21 24	1 41	23 57	0 34	22 47	0 27	22 25	0 31	15 33	0 44	12 50	1 46	21 3	12 35	1 30	0 53	17 49	7 33	5 48
W20	20 23	2s25	1n 6	23 3	1 52	21 31	1 38	23 57	0 34	22 47	0 27	22 24	0 31	15 33	0 44	12 50	1 46	21 4	12 35	1 30	0 54	17 50	7 32	5 48
T 21	20 10	6 31	2 14	22 47	1 55	21 39	1 35	23 56	0 35	22 48	0 27	22 24	0 31	15 34	0 44	12 50	1 46	21 5	12 35	1 30	0 56	17 50	7 31	5 48
F 22	19 57	10 22	3 16	22 30	1 58	21 45	1 32	23 55	0 36	22 49	0 27	22 23	0 31	15 35	0 44	12 50	1 46	21 5	12 35	1 30	0 57	17 51	7 30	5 48
S 23	19 43	13 43	4 7	22 12	2 0	21 51	1 30	23 53	0 36	22 49	0 27	22 23	0 31	15 36	0 44	12 51								

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	8 40 52	11 ^h 8'10"	29 ^h 39'	14 ^h 58'	5 ^h 52'	13 ^h 15'	25 ^h 7'	13 ^h 1'	19°R22	9 ^h 7'	5°R29	25°D26	27 ^h 5'	19 ^h 7'	26 ^h 21'
T 2	8 44 48	12° 9'05"	12 ^h 37'	16°44'	7° 5'	14° 0'	25°19'	13° 8'	19°Ω19	9° 7'	5°R27	25 ^h 27'	27° 2'	19°13'	26°25'
W 3	8 48 45	13° 9'59"	25°13'	18°30'	8°18'	14°45'	25°30'	13°14'	19°17'	9° 7'	5°26'	25°28'	26° 5'	19°20'	26°29'
T 4	8 52 41	14°10'51"	7 ^h 31'	20°17'	9°32'	15°30'	25°41'	13°21'	19°14'	9° 8'	5°25'	25°29'	26°56'	19°27'	26°33'
F 5	8 56 38	15°11'42"	19°35'	22° 4'	10°45'	16°15'	25°52'	13°27'	19°12'	9° 8'	5°23'	25°R29	26°52'	19°34'	26°37'
S 6	9 0 34	16°12'31"	1 ^h 30'	23°51'	11°58'	17° 0'	26° 3'	13°34'	19° 9'	9° 8'	5°22'	25°28'	26°49'	19°40'	26°41'
S 7	9 4 31	17°13'19"	13°21'	25°39'	13°12'	17°45'	26°14'	13°40'	19° 6'	9° 8'	5°20'	25°25'	26°46'	19°47'	26°46'
M 8	9 8 27	18°14'06"	25°14'	27°27'	14°25'	18°30'	26°25'	13°46'	19° 4'	9° 8'	5°19'	25°20'	26°43'	19°54'	26°50'
T 9	9 12 24	19°14'51"	7 ^h 31'	29°14'	15°39'	19°16'	26°35'	13°52'	19° 1'	9° 8'	5°18'	25°14'	26°40'	20° 1'	26°54'
W10	9 16 21	20°15'35"	19°14'	1 ^h 2'	16°52'	20° 1'	26°46'	13°59'	18°58'	9°R 8'	5°16'	25° 7'	26°36'	20° 7'	26°58'
T 11	9 20 17	21°16'17"	1 ^h 22'	2°49'	18° 6'	20°46'	26°56'	14° 5'	18°56'	9° 8'	5°15'	25° 1'	26°33'	20°14'	27° 2'
F 12	9 24 14	22°16'58"	13°53'	4°35'	19°19'	21°31'	27° 7'	14°11'	18°53'	9° 8'	5°13'	24°55'	26°30'	20°21'	27° 6'
S 13	9 28 10	23°17'37"	26°30'	6°21'	20°33'	22°17'	27°17'	14°17'	18°51'	9° 8'	5°12'	24°51'	26°27'	20°27'	27°10'
S 14	9 32 7	24°18'15"	9 ^h 20'	8° 5'	21°46'	23° 2'	27°27'	14°23'	18°48'	9° 8'	5°10'	24°48'	26°24'	20°34'	27°15'
M15	9 36 3	25°18'52"	22°21'	9°47'	23° 0'	23°48'	27°37'	14°29'	18°45'	9° 8'	5° 9'	24°D47	26°21'	20°41'	27°19'
T 16	9 40 0	26°19'27"	5 ^h 35'	11°27'	24°14'	24°33'	27°47'	14°35'	18°43'	9° 8'	5° 7'	24°48'	26°17'	20°48'	27°23'
W17	9 43 56	27°20'01"	19° 0'	13° 5'	25°27'	25°18'	27°57'	14°41'	18°40'	9° 7'	5° 6'	24°49'	26°14'	20°54'	27°27'
T 18	9 47 53	28°20'33"	2 ^h 38'	14°40'	26°41'	26° 4'	28° 7'	14°46'	18°38'	9° 7'	5° 4'	24°50'	26°11'	21° 1'	27°31'
F 19	9 51 50	29°21'05"	16°27'	16°11'	27°55'	26°50'	28°17'	14°52'	18°35'	9° 7'	5° 3'	24°52'	26° 8'	21° 8'	27°36'
S 20	9 55 46	0 ^h 21'35"	0 ^h 28'	17°37'	29° 8'	27°35'	28°26'	14°58'	18°32'	9° 7'	5° 1'	24°R52	26° 5'	21°14'	27°40'
S 21	9 59 43	1°22'04"	14°40'	18°59'	0 ^h 22'	28°21'	28°36'	15° 3'	18°30'	9° 6'	4°59'	24°52'	26° 2'	21°21'	27°44'
M22	10 3 39	2°22'32"	29° 0'	20°15'	1°36'	29° 6'	28°45'	15° 9'	18°27'	9° 6'	4°58'	24°50'	25°58'	21°28'	27°48'
T 23	10 7 36	3°22'58"	13 ^h 36'	21°25'	2°50'	29°52'	28°54'	15°15'	18°25'	9° 5'	4°56'	24°48'	25°55'	21°35'	27°52'
W24	10 11 32	4°23'23"	27°52'	22°28'	4° 3'	0 ^h 38'	29° 3'	15°20'	18°22'	9° 5'	4°55'	24°45'	25°52'	21°41'	27°56'
T 25	10 15 29	5°23'47"	12 ^h 15'	23°23'	5°17'	1°23'	29°12'	15°25'	18°20'	9° 5'	4°53'	24°42'	25°49'	21°48'	28° 1'
F 26	10 19 25	6°24'09"	26°27'	24°11'	6°31'	2° 9'	29°21'	15°31'	18°17'	9° 4'	4°52'	24°40'	25°46'	21°55'	28° 5'
S 27	10 23 22	7°24'29"	10 ^h 25'	24°49'	7°45'	2°55'	29°30'	15°36'	18°15'	9° 3'	4°50'	24°38'	25°42'	22° 2'	28° 9'
S 28	10 27 19	8°24'47"	24° 4'	25°19'	8°59'	3°41'	29°39'	15°41'	18°12'	9° 3'	4°49'	24°D38	25°39'	22° 8'	28°13'
M29	10 31 15	9 ^h 25'04"	7 ^h 23'	25 ^h 39'	10 ^h 12'	4 ^h 27'	29 ^h 47'	15 ^h 36'	18 ^h 10'	9 ^h 2'	4 ^h 47'	24 ^h 38'	25 ^h 36'	22 ^h 15'	28 ^h 17'

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	17s26	0s29	0s23	18s17	2s 2	22s16	1n 3	23s29	0s42	22s54	0n27	22s18	0n31	15n43	0n44	12s51	1n46	21n13	12n38	1n49	1n10	17n55	7s18	5n46
T 2	17 9	3n35	1 32	17 43	2 0	22 15	1 0	23 25	0 43	22 55	0 27	22 17	0 31	15 44	0 44	12 51	1 46	21 13	12 38	1 49	1 11	17 55	7 17	5 46
W 3	16 52	7 22	2 34	17 8	1 57	22 14	0 57	23 20	0 43	22 55	0 27	22 16	0 31	15 45	0 44	12 51	1 46	21 14	12 39	1 48	1 12	17 56	7 16	5 46
T 4	16 35	10 44	3 28	16 32	1 54	22 12	0 54	23 16	0 44	22 55	0 27	22 16	0 31	15 46	0 44	12 51	1 46	21 15	12 39	1 48	1 13	17 56	7 15	5 46
F 5	16 17	13 35	4 12	15 54	1 50	22 10	0 51	23 11	0 44	22 56	0 27	22 15	0 31	15 46	0 44	12 51	1 47	21 16	12 39	1 48	1 15	17 57	7 13	5 46
S 6	15 59	15 50	4 44	15 14	1 46	22 7	0 48	23 6	0 45	22 56	0 27	22 15	0 31	15 47	0 44	12 51	1 47	21 16	12 39	1 48	1 16	17 57	7 12	5 45
S 7	15 41	17 23	5 4	14 33	1 41	22 3	0 44	23 1	0 46	22 57	0 27	22 14	0 31	15 48	0 44	12 51	1 47	21 17	12 39	1 49	1 17	17 57	7 11	5 45
M 8	15 22	18 11	5 10	13 51	1 35	21 59	0 41	22 56	0 46	22 57	0 27	22 13	0 30	15 49	0 44	12 51	1 47	21 18	12 40	1 51	1 18	17 58	7 9	5 45
T 9	15 3	18 12	5 4	13 8	1 29	21 54	0 38	22 50	0 47	22 57	0 27	22 13	0 30	15 50	0 44	12 51	1 47	21 18	12 40	1 54	1 20	17 58	7 8	5 45
W10	14 44	17 23	4 44	12 24	1 22	21 48	0 35	22 44	0 48	22 58	0 27	22 12	0 30	15 50	0 44	12 51	1 47	21 19	12 40	1 56	1 21	17 59	7 7	5 45
T 11	14 25	15 46	4 10	11 38	1 15	21 42	0 32	22 38	0 48	22 58	0 27	22 12	0 30	15 51	0 44	12 51	1 47	21 20	12 40	1 59	1 22	17 59	7 5	5 45
F 12	14 5	13 23	3 25	10 52	1 7	21 35	0 29	22 31	0 49	22 58	0 27	22 11	0 30	15 52	0 44	12 51	1 47	21 21	12 40	2 1	1 23	17 59	7 4	5 45
S 13	13 45	10 21	2 28	10 5	0 58	21 27	0 26	22 25	0 49	22 58	0 26	22 10	0 30	15 53	0 44	12 51	1 47	21 21	12 40	2 3	1 25	18 0	7 3	5 45
S 14	13 25	6 47	1 24	9 17	0 48	21 19	0 22	22 18	0 50	22 59	0 26	22 10	0 30	15 54	0 45	12 51	1 47	21 22	12 41	2 4	1 26	18 0	7 1	5 45
M15	13 5	2 50	0 13	8 29	0 38	21 10	0 19	22 11	0 51	22 59	0 26	22 9	0 30	15 55	0 45	12 51	1 47	21 23	12 41	2 4	1 27	18 0	7 0	5 45
T 16	12 45	1s19	0n59	7 41	0 27	21 0	0 16	22 3	0 51	22 59	0 26	22 9	0 30	15 55	0 45	12 51	1 47	21 23	12 41	2 4	1 29	18 1	6 59	5 45
W17	12 24	5 27	2 9	6 53	0 15	20 50	0 13	21 56	0 52	22 59	0 26	22 8	0 30	15 56	0 45	12 51	1 47	21 24	12 41	2 4	1 30	18 1	6 57	5 45
T 18	12 3	9 22	3 13	6 5	0 3	20 39	0 10	21 48	0 52	22 59	0 26	22 8	0 30	15 57	0 44	12 50	1 47	21 25	12 41	2 3	1 31	18 1	6 56	5 45
F 19	11 42	12 49	4 7	5 18	0n10	20 28	0 7	21 40	0 53	23 0	0 26	22 7	0 30	15 58	0 44	12 50	1 47	21 25	12 41	2 2	1 32	18 2	6 55	5 45
S 20	11 21	15 35	4 47	4 32	0 24	20 16	0 4	21 31	0 54	23 0	0 26	22 6	0 30	15 59	0 44	12 50	1 47	21 26	12 41	2 2	1 34	18 2	6 53	5 45
S 21	10 59	17 26	5 10	3 47	0 38	20 4	0 1	21 23	0 54	23 0	0 26	22 6	0 30	15 59	0 44	12 50	1 48	21 27	12 42	2 3	1 35	18 3	6 52	5 45
M22	10 38	18 13	5 14	3 4	0 52	19 50	0s 2	21 14	0 55	23 0	0 26	22 5	0 30	16 0	0 44	12 50	1 48	21 28	12 42	2 3	1 36	18 3	6 51	5 44
T 23	10 16	17 49	4 58	2 23	1 7	19 37	0 5	21 5	0 55	23 0	0 26	22 5	0 30	16 1	0 44	12 50	1 48	21 28	12 42	2 4	1 37	18 3	6 49	5 44
W24	9 54	16 17	4 24	1 44	1 22	19 22	0 8	20 56	0 56	23 0	0 26	22 4	0 30	16 2	0 44	12 49	1 48	21 29	12 42	2 5	1 39	18 4	6 48	5 44
T 25	9 32	13 43	3 33	1 9	1 37	19 8	0 11	20 46	0 56	23 0	0 26	22 3	0 30	16 2	0 44	12 49	1 48	21 29	12 42	2 6	1 40	18 4	6 46	5 44
F 26	9 10	10 22	2 29	0 36	1 52	18 52	0 14	20 37	0 57	23 0	0 26	22 3	0 30	16 3	0 44	12 49	1 48	21 30	12 42	2 7	1 41	18 4	6 45	5 44
S 27	8 47	6 28	1 18	0 7	2 6	18 36	0 17	20 27	0 58	23 0	0 26	22 2	0 30	16 4	0 44	12 49	1 48	21 31	12 42	2 8	1 42	18 5	6 44	5 44
S 28	8 25	2 19	0 3	0n18	2 21	18 20	0 19	20 17	0 58	23 0	0 26	22 2	0 30	16 5	0 44	12 49	1 48	21 31	12 42	2 8	1 44	18 5	6 42	5 44
M29	8s 2	1n51	1s10	0n38	2n34	18s 3	0s22	20s 6	0s59	23s 1	0n26	22s 1	0n30	16n 5	0n44	12s48								

SWISS EPHEMERIS for the year 1960

MARCH 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
T 1	10 35 12	10 ^h 25'18"	20 ^h 07'20"	25 ^h 30'50"	11 ^h 28'26"	5 ^h 22'12"	29 ^h 27'55"	15 ^h 35'51"	18 ^h 08'08"	9 ^h 02'02"	4 ^h 04'46"	24 ^h 07'39"	25 ^h 07'33"	22 ^h 02'22"	28 ^h 28'21"
W 2	10 39 8	11 ^h 25'31"	2 ^h 05'58"	25 ^h 05'15"	12 ^h 40'00"	5 ^h 58'00"	0 ^h 03'04"	15 ^h 56'00"	18 ^h 05'00"	9 ^h 01'00"	4 ^h 07'44"	24 ^h 04'00"	25 ^h 03'00"	22 ^h 25'28"	28 ^h 25'25"
T 3	10 43 5	12 ^h 25'42"	15 ^h 09'19"	25 ^h 05'43"	13 ^h 54'00"	6 ^h 44'00"	0 ^h 12'00"	16 ^h 01'00"	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 29'29"
F 4	10 47 1	13 ^h 25'50"	27 ^h 02'26"	25 ^h 05'26"	15 ^h 08'00"	7 ^h 30'00"	0 ^h 20'00"	16 ^h 06'00"	18 ^h 01'00"	9 ^h 00'00"	4 ^h 04'41"	24 ^h 04'42"	25 ^h 02'23"	22 ^h 42'25"	28 ^h 33'33"
S 5	10 50 58	14 ^h 25'57"	9 ^h 02'24"	25 ^h 05'00"	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 49'25"	28 ^h 37'37"
S 6	10 54 54	15 ^h 26'01"	21 ^h 01'17"	24 ^h 26'00"	17 ^h 36'00"	9 ^h 02'00"	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 55'25"	28 ^h 41'41"
M 7	10 58 51	16 ^h 26'04"	3 ^h 05'10"	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 02'25"	28 ^h 46'46"
T 8	11 2 48	17 ^h 26'04"	15 ^h 08'00"	22 ^h 58'00"	20 ^h 03'00"	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 09'25"	28 ^h 50'50"
W 9	11 6 44	18 ^h 26'02"	27 ^h 02'14"	22 ^h 06'00"	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 00'07"	23 ^h 15'25"	28 ^h 54'54"
T 10	11 10 41	19 ^h 25'58"	9 ^h 02'33"	21 ^h 10'00"	22 ^h 31'00"	12 ^h 06'00"	1 ^h 05'00"	16 ^h 34'00"	17 ^h 47'00"	8 ^h 55'00"	4 ^h 03'32"	24 ^h 04'40"	25 ^h 00'04"	23 ^h 22'25"	28 ^h 57'57"
F 11	11 14 37	20 ^h 25'52"	22 ^h 07'00"	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 00'01"	23 ^h 29'25"	29 ^h 01'25"
S 12	11 18 34	21 ^h 25'44"	4 ^h 07'58"	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 58'58"	23 ^h 36'25"	29 ^h 05'25"
S 13	11 22 30	22 ^h 25'33"	18 ^h 06'00"	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 55'25"	23 ^h 42'25"	29 ^h 09'25"
M14	11 26 27	23 ^h 25'21"	1 ^h 05'11"	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 52'55"	23 ^h 49'25"	29 ^h 13'25"
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 48'58"	23 ^h 56'25"	29 ^h 17'25"
W16	11 34 20	25 ^h 24'50"	29 ^h 04'00"	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 45'25"	24 ^h 03'25"	29 ^h 21'25"
T 17	11 38 16	26 ^h 24'32"	13 ^h 06'00"	14 ^h 48'00"	1 ^h 08'00"	17 ^h 28'00"	1 ^h 51'00"	17 ^h 03'00"	17 ^h 33'00"	8 ^h 48'00"	4 ^h 02'22"	24 ^h 04'39"	24 ^h 42'25"	24 ^h 09'25"	29 ^h 25'25"
F 18	11 42 13	27 ^h 24'13"	21 ^h 05'7"	14 ^h 07'00"	2 ^h 22'00"	18 ^h 14'00"	1 ^h 57'00"	17 ^h 07'00"	17 ^h 32'00"	8 ^h 46'00"	4 ^h 02'21"	24 ^h 04'39"	24 ^h 39'25"	24 ^h 16'25"	29 ^h 29'25"
S 19	11 46 10	28 ^h 23'51"	11 ^h 07'29"	13 ^h 32'00"	3 ^h 36'00"	19 ^h 00'00"	2 ^h 02'00"	17 ^h 11'00"	17 ^h 30'00"	8 ^h 45'00"	4 ^h 01'19"	24 ^h 04'38"	24 ^h 36'25"	24 ^h 23'25"	29 ^h 32'25"
S 20	11 50 6	29 ^h 23'28"	25 ^h 04'30"	13 ^h 02'00"	4 ^h 50'00"	19 ^h 47'00"	2 ^h 08'00"	17 ^h 14'00"	17 ^h 28'00"	8 ^h 44'00"	4 ^h 01'18"	24 ^h 04'38"	24 ^h 33'25"	24 ^h 29'25"	29 ^h 36'25"
M21	11 54 3	0 ^h 23'04"	9 ^h 05'55"	12 ^h 39'00"	6 ^h 04'00"	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 29'25"	24 ^h 36'25"	29 ^h 40'25"
T 22	11 57 59	1 ^h 22'37"	24 ^h 03'00"	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 26'25"	24 ^h 43'25"	29 ^h 43'25"
W23	12 1 56	2 ^h 22'09"	8 ^h 04'00"	12 ^h 11'00"	8 ^h 32'00"	22 ^h 05'00"	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 23'25"	24 ^h 50'25"	29 ^h 47'25"
T 24	12 5 52	3 ^h 21'39"	21 ^h 05'7"	12 ^h 06'00"	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 20'25"	24 ^h 56'25"	29 ^h 51'25"
F 25	12 9 49	4 ^h 21'07"	5 ^h 04'40"	12 ^h 07'00"	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 03'25"	29 ^h 54'25"
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 10'25"	29 ^h 58'25"
S 27	12 17 42	6 ^h 19'57"	2 ^h 07'29"	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 00'09"	24 ^h 04'41"	24 ^h 10'25"	25 ^h 17'25"	0 ^h 02'25"
M28	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 00'07"	24 ^h 04'40"	24 ^h 07'25"	25 ^h 23'25"	0 ^h 05'25"
T 29	12 25 35	8 ^h 18'40"	28 ^h 01'18"	13 ^h 05'00"	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 00'06"	24 ^h 04'39"	24 ^h 04'25"	25 ^h 30'25"	0 ^h 09'25"
W30	12 29 32	9 ^h 17'58"	10 ^h 08'51"	13 ^h 32'00"	17 ^h 09'00"	27 ^h 29'00"	2 ^h 55'00"	17 ^h 46'00"	17 ^h 13'00"	8 ^h 31'00"	4 ^h 00'05"	24 ^h 04'37"	24 ^h 01'25"	25 ^h 37'25"	0 ^h 12'25"
T 31	12 33 28	10 ^h 17'13"	23 ^h 08'09"	14 ^h 04'00"	18 ^h 02'23"	28 ^h 15'00"	2 ^h 59'00"	17 ^h 49'00"	17 ^h 11'00"	8 ^h 30'00"	4 ^h 00'04"	24 ^h 04'35"	23 ^h 58'25"	25 ^h 43'25"	0 ^h 15'25"

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat						
T 1	7s40	5n49	2s17	0n54	2n47	17s45	0s25	19s56	0s59	23s 1	0n26	22s 1	0n30	16n 6	0n44	12s48	1n48	21n33	12n42	2n 8	1n46	18n 6	6s39	5n45
W 2	7 17	9 25	3 17	1 6	2 59	17 27	0 28	19 45	1 0	23 1	0 26	22 0	0 30	16 7	0 44	12 48	1 48	21 33	12 42	2 7	1 47	18 6	6 38	5 45
T 3	6 54	12 31	4 5	1 12	3 10	17 9	0 30	19 34	1 0	23 1	0 26	21 59	0 30	16 8	0 44	12 47	1 48	21 34	12 42	2 7	1 49	18 6	6 36	5 45
F 4	6 31	15 1	4 42	1 14	3 19	16 50	0 33	19 23	1 1	23 1	0 26	21 59	0 29	16 8	0 44	12 47	1 48	21 34	12 42	2 6	1 50	18 7	6 35	5 45
S 5	6 8	16 50	5 6	1 11	3 27	16 30	0 36	19 12	1 2	23 1	0 26	21 58	0 29	16 9	0 44	12 47	1 48	21 35	12 42	2 6	1 51	18 7	6 34	5 45
S 6	5 45	17 54	5 16	1 3	3 33	16 10	0 38	19 0	1 2	23 1	0 26	21 58	0 29	16 10	0 44	12 47	1 48	21 36	12 42	2 6	1 52	18 7	6 32	5 45
M 7	5 21	18 11	5 13	0 51	3 37	15 50	0 41	18 48	1 3	23 1	0 26	21 57	0 29	16 10	0 44	12 46	1 48	21 36	12 42	2 6	1 54	18 7	6 31	5 45
T 8	4 58	17 40	4 57	0 34	3 39	15 29	0 43	18 36	1 3	23 1	0 26	21 57	0 29	16 11	0 44	12 46	1 48	21 37	12 42	2 6	1 55	18 8	6 29	5 45
W 9	4 35	16 21	4 47	0 14	3 39	15 8	0 45	18 24	1 4	23 1	0 26	21 56	0 29	16 12	0 44	12 46	1 48	21 37	12 42	2 7	1 56	18 8	6 28	5 45
T 10	4 11	14 15	3 45	0s10	3 38	14 46	0 48	18 12	1 4	23 1	0 26	21 56	0 29	16 12	0 44	12 45	1 48	21 38	12 42	2 7	1 58	18 8	6 27	5 45
F 11	3 48	11 27	2 51	0 36	3 34	14 24	0 50	17 59	1 5	23 1	0 26	21 55	0 29	16 13	0 44	12 45	1 49	21 38	12 42	2 7	1 59	18 9	6 25	5 45
S 12	3 24	8 2	1 47	1 5	3 28	14 1	0 52	17 47	1 5	23 0	0 26	21 55	0 29	16 14	0 44	12 45	1 49	21 39	12 42	2 8	2 0	18 9	6 24	5 45
S 13	3 0	4 9	0 36	1 35	3 20	13 38	0 55	17 34</																

SWISS EPHEMERIS for the year 1960

APRIL 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	12 37 25	11°16'27	5°11'16	14°39'39	19°37'37	29°31'01	3°33'03	17°51'51	17°10'10	8°29'29	4°03'03	24°32'32	23°54'54	25°50'50	0°19'19	
S 2	12 41 21	12°15'38	17°14'14	15°19'19	20°51'51	29°48'48	3°06'06	17°54'54	17°09'09	8°27'27	4°01'01	24°30'30	23°51'51	25°57'57	0°22'22	
S 3	12 45 18	13°14'47	29°08'08	16°02'02	22°04'04	0°34'34	3°09'09	17°56'56	17°08'08	8°26'26	4°00'00	24°29'29	23°48'48	26°04'04	0°25'25	
M 4	12 49 14	14°13'54	11°58'58	16°49'49	23°18'18	1°20'20	3°12'12	17°59'59	17°07'07	8°24'24	3°59'59	24°D28	23°45'45	26°10'10	0°29'29	
T 5	12 53 11	15°12'59	22°58'58	17°39'39	24°32'32	2°06'06	3°15'15	18°01'01	17°06'06	8°23'23	3°58'58	24°28'28	23°42'42	26°17'17	0°32'32	
W 6	12 57 08	16°12'01	5°03'03	18°32'32	25°46'46	2°53'53	3°18'18	18°03'03	17°05'05	8°21'21	3°57'57	24°29'29	23°38'38	26°24'24	0°35'35	
T 7	13 01 04	17°11'01	17°22'22	19°29'29	27°00'00	3°39'39	3°21'21	18°05'05	17°04'04	8°20'20	3°56'56	24°31'31	23°35'35	26°30'30	0°38'38	
F 8	13 05 01	18°09'58	29°59'59	20°28'28	28°14'14	4°25'25	3°23'23	18°07'07	17°03'03	8°18'18	3°55'55	24°32'32	23°32'32	26°37'37	0°41'41	
S 9	13 08 57	19°08'54	12°56'56	21°30'30	29°28'28	5°11'11	3°25'25	18°09'09	17°02'02	8°17'17	3°54'54	24°33'33	23°29'29	26°44'44	0°45'45	
S 10	13 12 54	20°07'47	26°16'16	22°35'35	0°41'41	5°58'58	3°27'27	18°11'11	17°01'01	8°15'15	3°53'53	24°R34	23°26'26	26°51'51	0°48'48	
M 11	13 16 50	21°06'38	9°59'59	23°42'42	1°55'55	6°44'44	3°29'29	18°12'12	17°01'01	8°14'14	3°52'52	24°33'33	23°23'23	26°57'57	0°51'51	
T 12	13 20 47	22°05'26	24°03'03	24°52'52	3°09'09	7°30'30	3°31'31	18°14'14	17°00'00	8°12'12	3°51'51	24°31'31	23°19'19	27°04'04	0°54'54	
W 13	13 24 43	23°04'13	8°33'33	26°03'03	4°23'23	8°16'16	3°32'32	18°15'15	16°59'59	8°11'11	3°50'50	24°28'28	23°16'16	27°11'11	0°56'56	
T 14	13 28 40	24°02'58	22°55'55	27°18'18	5°37'37	9°03'03	3°33'33	18°17'17	16°59'59	8°09'09	3°49'49	24°23'23	23°13'13	27°18'18	0°59'59	
F 15	13 32 36	25°01'42	7°33'33	28°34'34	6°51'51	9°49'49	3°34'34	18°18'18	16°58'58	8°08'08	3°48'48	24°19'19	23°10'10	27°24'24	1°02'02	
S 16	13 36 33	26°00'23	22°08'08	29°52'52	8°04'04	10°35'35	3°35'35	18°19'19	16°58'58	8°06'06	3°48'48	24°15'15	23°07'07	27°31'31	1°05'05	
S 17	13 40 30	26°59'03	6°36'36	1°13'13	9°18'18	11°21'21	3°36'36	18°20'20	16°57'57	8°04'04	3°47'47	24°12'12	23°04'04	27°38'38	1°08'08	
M 18	13 44 26	27°57'41	20°53'53	2°35'35	10°32'32	12°08'08	3°36'36	18°21'21	16°57'57	8°03'03	3°46'46	24°11'11	23°00'00	27°44'44	1°10'10	
T 19	13 48 23	28°56'18	4°56'56	3°59'59	11°46'46	12°54'54	3°37'37	18°22'22	16°57'57	8°01'01	3°45'45	24°D11	22°57'57	27°51'51	1°13'13	
W 20	13 52 19	29°54'53	18°44'44	5°25'25	13°00'00	13°40'40	3°R37	18°23'23	16°56'56	8°00'00	3°45'45	24°12'12	22°54'54	27°58'58	1°16'16	
T 21	13 56 16	0°53'26	2°17'17	6°53'53	14°13'13	14°26'26	3°37'37	18°24'24	16°56'56	7°58'58	3°44'44	24°13'13	22°51'51	28°05'05	1°18'18	
F 22	14 00 12	1°51'58	15°36'36	8°23'23	15°27'27	15°12'12	3°37'37	18°24'24	16°56'56	7°56'56	3°43'43	24°14'14	22°48'48	28°11'11	1°21'21	
S 23	14 04 09	2°50'27	28°43'43	9°55'55	16°41'41	15°59'59	3°36'36	18°25'25	16°56'56	7°55'55	3°42'42	24°R15	22°44'44	28°18'18	1°23'23	
S 24	14 08 05	3°48'56	11°37'37	11°28'28	17°55'55	16°45'45	3°36'36	18°25'25	16°D56	7°53'53	3°42'42	24°13'13	22°41'41	28°25'25	1°26'26	
M 25	14 12 02	4°47'22	24°19'19	13°04'04	19°09'09	17°31'31	3°35'35	18°25'25	16°56'56	7°52'52	3°41'41	24°10'10	22°38'38	28°31'31	1°28'28	
T 26	14 15 59	5°45'47	6°51'51	14°41'41	20°22'22	18°17'17	3°34'34	18°26'26	16°56'56	7°50'50	3°41'41	24°04'04	22°35'35	28°38'38	1°30'30	
W 27	14 19 55	6°44'09	19°12'12	16°20'20	21°36'36	19°03'03	3°33'33	18°26'26	16°56'56	7°48'48	3°40'40	23°57'57	22°32'32	28°45'45	1°33'33	
T 28	14 23 52	7°42'30	1°12'12	18°00'00	22°50'50	19°49'49	3°31'31	18°R26	16°56'56	7°47'47	3°40'40	23°49'49	22°29'29	28°52'52	1°35'35	
F 29	14 27 48	8°40'49	13°25'25	19°43'43	24°04'04	20°35'35	3°30'30	18°26'26	16°56'56	7°45'45	3°39'39	23°41'41	22°25'25	28°58'58	1°37'37	
S 30	14 31 45	9°39'07	25°12'12	21°37'37	25°18'18	21°31'31	3°28'28	18°25'25	16°55'55	7°43'43	3°37'37	23°33'33	22°17'17	29°05'05	1°39'39	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	4n28	16n18	4s58	6s53	0s55	5s25	1s25	12s59	1s15	22s59	0n25	21s47	0n29	16n23	0n44	12s36
S 2	4 51	17 38	5 13	6 48	1 6	4 57	1 26	12 43	1 15	22 59	0 25	21 46	0 29	16 24	0 44	12 36
S 3	5 14	18 12	5 14	6 41	1 16	4 28	1 27	12 27	1 16	22 59	0 25	21 46	0 29	16 24	0 44	12 35
M 4	5 37	17 58	5 2	6 31	1 26	4 0	1 27	12 11	1 16	22 59	0 25	21 46	0 29	16 24	0 44	12 35
T 5	6 0	16 56	4 37	6 20	1 35	3 31	1 28	11 55	1 16	22 59	0 25	21 46	0 29	16 24	0 44	12 34
W 6	6 22	15 8	4 0	6 7	1 43	3 2	1 29	11 39	1 17	22 59	0 25	21 45	0 28	16 25	0 44	12 34
T 7	6 45	12 36	3 11	5 52	1 51	2 34	1 29	11 22	1 17	22 59	0 25	21 45	0 28	16 25	0 44	12 33
F 8	7 7	9 26	2 11	5 35	1 58	2 5	1 30	11 6	1 18	22 59	0 25	21 45	0 28	16 25	0 44	12 33
S 9	7 30	5 43	1 4	5 17	2 5	1 36	1 30	10 49	1 18	22 59	0 25	21 45	0 28	16 25	0 44	12 32
S 10	7 52	1 38	0n 9	4 57	2 11	1 7	1 31	10 32	1 18	22 59	0 25	21 44	0 28	16 26	0 43	12 32
M 11	8 14	2s40	1 24	4 35	2 16	0 38	1 31	10 15	1 19	22 59	0 25	21 44	0 28	16 26	0 43	12 31
T 12	8 36	6 56	2 35	4 12	2 21	0 9	1 31	9 59	1 19	22 59	0 25	21 44	0 28	16 26	0 43	12 31
W 13	8 58	10 52	3 37	3 48	2 26	0n21	1 32	9 42	1 19	22 59	0 25	21 44	0 28	16 26	0 43	12 30
T 14	9 20	14 12	4 27	3 22	2 30	0 50	1 32	9 25	1 20	22 59	0 25	21 44	0 28	16 26	0 43	12 30
F 15	9 41	16 39	4 59	2 55	2 33	1 19	1 32	9 7	1 20	22 59	0 25	21 44	0 28	16 26	0 43	12 29
S 16	10 3	18 1	5 12	2 26	2 36	1 48	1 32	8 50	1 20	22 59	0 25	21 43	0 28	16 27	0 43	12 29
S 17	10 24	18 12	5 5	1 56	2 38	2 17	1 32	8 33	1 21	22 59	0 25	21 43	0 28	16 27	0 43	12 28
M 18	10 45	17 13	4 39	1 25	2 40	2 46	1 31	8 16	1 21	22 59	0 24	21 43	0 28	16 27	0 43	12 28
T 19	11 6	15 12	3 57	0 52	2 41	3 15	1 31	7 58	1 21	22 59	0 24	21 43	0 28	16 27	0 43	12 27
W 20	11 27	12 20	3 1	0 19	2 41	3 44	1 31	7 41	1 21	22 59	0 24	21 43	0 28	16 27	0 43	12 27
T 21	11 47	8 51	1 57	0n16	2 41	4 13	1 31	7 23	1 22	22 59	0 24	21 43	0 28	16 27	0 43	12 26
F 22	12 7	4 57	0 47	0 52	2 41	4 42	1 30	7 5	1 22	22 59	0 24	21 43	0 28	16 27	0 43	12 26
S 23	12 28	0 53	0s24	1 29	2 39	5 11	1 30	6 48	1 22	22 59	0 24	21 43	0 28	16 27	0 43	12 25
S 24	12 47	3n10	1 33	2 7	2 38	5 39	1 29	6 30	1 23	22 59	0 24	21 43	0 28	16 27	0 43	12 24
M 25	13 7	7 1	2 36	2 46	2 36	6 8	1 28	6 12	1 23	22 59	0 24	21 43	0 28	16 27	0 43	12 24
T 26	13 27	10 29	3 30	3 26	2 33	6 36	1 28	5 54	1 23	23 0	0 24	21 43	0 28	16 27	0 43	12 23
W 27	13 46	13 27	4 14	4 7	2 30	7 5	1 27	5 37	1 23	23 0	0 24	21 43	0 28	16 27	0 43	12 23
T 28	14 5	15 47	4 45	4 49	2 26	7 33	1 26	5 19	1 23	23 0	0 24	21 43	0 2			

SWISS EPHEMERIS for the year 1960

MAY 1960

00:00 UT

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°22	18°24	16°57	7♂40	3°37	23°19	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	0♂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♂39	20♂53	20♂44	2♂33	2♂17	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	15n 1	18n16	4s59	6n59	2s12	8n56	1s23	4s25	1s24	23s 0	0n24	21s43	0n28	16n26	0n43	12s21
M 2	15 19	17 30	4 38	7 44	2 6	9 24	1 22	4 7	1 24	23 0	0 24	21 43	0 28	16 26	0 43	12 20
T 3	15 37	15 58	4 4	8 29	2 0	9 51	1 21	3 49	1 24	23 0	0 24	21 43	0 28	16 26	0 43	12 20
W 4	15 54	13 42	3 19	9 15	1 53	10 18	1 20	3 31	1 25	23 0	0 24	21 43	0 28	16 26	0 43	12 19
T 5	16 11	10 48	2 25	10 2	1 46	10 44	1 19	3 13	1 25	23 0	0 24	21 44	0 28	16 26	0 43	12 19
F 6	16 28	7 20	1 22	10 48	1 38	11 11	1 18	2 55	1 25	23 1	0 24	21 44	0 27	16 25	0 43	12 18
S 7	16 45	3 25	0 13	11 35	1 30	11 37	1 16	2 36	1 25	23 1	0 23	21 44	0 27	16 25	0 43	12 18
S 8	17 2	0s48	0n58	12 23	1 21	12 3	1 15	2 18	1 25	23 1	0 23	21 44	0 27	16 25	0 43	12 17
M 9	17 18	5 6	2 9	13 10	1 12	12 29	1 14	2 0	1 25	23 1	0 23	21 44	0 27	16 25	0 42	12 17
T 10	17 34	9 16	3 13	13 57	1 3	12 54	1 12	1 42	1 25	23 1	0 23	21 44	0 27	16 24	0 42	12 16
W 11	17 49	12 58	4 7	14 45	0 53	13 19	1 11	1 24	1 26	23 1	0 23	21 45	0 27	16 24	0 42	12 16
T 12	18 5	15 54	4 44	15 31	0 43	13 44	1 9	1 6	1 26	23 2	0 23	21 45	0 27	16 24	0 42	12 15
F 13	18 20	17 47	5 3	16 18	0 33	14 9	1 7	0 48	1 26	23 2	0 23	21 45	0 27	16 23	0 42	12 15
S 14	18 34	18 25	5 0	17 3	0 23	14 33	1 6	0 30	1 26	23 2	0 23	21 45	0 27	16 23	0 42	12 14
S 15	18 49	17 48	4 38	17 48	0 13	14 56	1 4	0 12	1 26	23 2	0 23	21 46	0 27	16 23	0 42	12 14
M 16	19 3	16 0	3 58	18 32	0 2	15 20	1 2	0n 6	1 26	23 2	0 23	21 46	0 27	16 22	0 42	12 13
T 17	19 17	13 17	3 4	19 14	0n 9	15 43	1 0	0 24	1 26	23 2	0 23	21 46	0 27	16 22	0 42	12 13
W 18	19 30	9 52	2 1	19 55	0 19	16 6	0 59	0 42	1 26	23 2	0 23	21 46	0 27	16 21	0 42	12 12
T 19	19 43	6 1	0 52	20 34	0 29	16 28	0 57	1 0	1 26	23 3	0 23	21 47	0 27	16 21	0 42	12 12
F 20	19 56	1 58	0s17	21 11	0 40	16 50	0 55	1 18	1 26	23 3	0 23	21 47	0 27	16 21	0 42	12 11
S 21	20 8	2n 6	1 25	21 46	0 49	17 11	0 53	1 36	1 26	23 3	0 22	21 47	0 27	16 20	0 42	12 11
S 22	20 20	6 0	2 26	22 19	0 59	17 32	0 51	1 54	1 26	23 3	0 22	21 48	0 27	16 20	0 42	12 10
M 23	20 32	9 35	3 20	22 50	1 8	17 52	0 49	2 12	1 26	23 3	0 22	21 48	0 27	16 19	0 42	12 10
T 24	20 44	12 42	4 4	23 18	1 17	18 12	0 47	2 30	1 26	23 4	0 22	21 48	0 27	16 19	0 42	12 9
W 25	20 55	15 15	4 35	23 43	1 25	18 32	0 45	2 48	1 26	23 4	0 22	21 49	0 27	16 18	0 42	12 9
T 26	21 5	17 6	4 55	24 6	1 32	18 51	0 43	3 5	1 26	23 4	0 22	21 49	0 27	16 18	0 42	12 9
F 27	21 16	18 12	5 1	24 26	1 39	19 10	0 40	3 23	1 26	23 4	0 22	21 50	0 27	16 17	0 42	12 8
S 28	21 25	18 29	4 54	24 43	1 45	19 28	0 38	3 41	1 26	23 4	0 22	21 50	0 26	16 17	0 42	12 8
S 29	21 35	17 59	4 34	24 58	1 51	19 45	0 36	3 58	1 26	23 4	0 22	21 50	0 26	16 16	0 42	12 7
M 30	21 44	16 41	4 2	25 10	1 56	20 2	0 34	4 16	1 26	23 5	0 22	21 51	0 26	16 15	0 42	12 7
T 31	21n53	14n39	3s20	25n20	1n59	20n19	0s32	4n33	1s26	23s 5	0n21	21s51	0n26	16n15	0n42	12s 7

Julian Day Number = 2437055.5, Delta T = 33.30 sec
 Ecliptic obliquity = 23°26'31, Nutation = - 0°00'04
 Ayanamsha: Fagan/Bradley = 24°11'11, Lahiri = 23°18'11

SWISS EPHEMERIS for the year 1960

JUNE 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
W 1	16 37 55	10II29'59	21Ω33	26II38	4II36	15Υ39	1°R 4	17°R31	17Ω33	6°R55	3♃40	20°R50	20♃41	2°Ω40	2°K17
T 2	16 41 51	11°27'28	3♃47	28°28	5°49	16°24	0°57	17°25	17°35	6♃54	3°40	20°49	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	12Ω29	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	10Ω57	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
M13	17 25 13	21°58'36	10Ω48	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
W15	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	5Υ33	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	0Ω45	22°35	26°42	29° 0	28°53	16°26	18°15	6°35	3°53	19°34	19°43	4°41	2°12
M20	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	0Ω27	28°37	16°18	18°20	6°33	3°55	19°19	19°37	4°55	2°11
W22	18 0 42	0Ω34'06	7II 6	25°18	0Ω23	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	0Ω55	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
M27	18 20 25	5°20'20	6Ω31	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
W29	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	6Ω58	27♃29	15°40	18°46	6♃27	4♃ 6	17°D57	19♃ 8	5°55	2°K 0

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	22n 1	11n59	2s28	25n27	2n 3	20n35	0s29	4n51	1s26	23s 5	0n21	21s52	0n26	16n14	0n42	12s 6	1n49	21n41	12n24	3n38	3n42	18n23	4s59	6n 5
T 2	22 9	8 44	1 29	25 31	2 5	20 50	0 27	5 8	1 25	23 5	0 21	21 52	0 26	16 14	0 42	12 6	1 49	21 40	12 24	3 38	3 43	18 23	4 59	6 5
F 3	22 17	5 2	0 24	25 33	2 7	21 5	0 25	5 25	1 25	23 5	0 21	21 53	0 26	16 13	0 42	12 5	1 49	21 40	12 23	3 39	3 44	18 23	4 58	6 5
S 4	22 24	1 0	0n44	25 33	2 8	21 19	0 22	5 43	1 25	23 5	0 21	21 53	0 26	16 12	0 42	12 5	1 49	21 39	12 23	3 39	3 45	18 23	4 58	6 6
S 5	22 31	3s13	1 52	25 31	2 8	21 33	0 20	6 0	1 25	23 5	0 21	21 54	0 26	16 12	0 42	12 5	1 49	21 39	12 23	3 39	3 47	18 23	4 57	6 6
M 6	22 38	7 25	2 56	25 27	2 7	21 46	0 18	6 17	1 25	23 5	0 21	21 54	0 26	16 11	0 42	12 4	1 49	21 38	12 22	3 40	3 48	18 23	4 57	6 6
T 7	22 44	11 20	3 51	25 21	2 6	21 58	0 15	6 34	1 25	23 6	0 21	21 54	0 26	16 10	0 42	12 4	1 49	21 38	12 22	3 43	3 49	18 23	4 57	6 7
W 8	22 50	14 41	4 32	25 13	2 4	22 10	0 13	6 51	1 25	23 6	0 21	21 55	0 26	16 10	0 42	12 4	1 49	21 37	12 22	3 46	3 50	18 23	4 57	6 7
T 9	22 55	17 8	4 56	25 4	2 1	22 21	0 11	7 7	1 24	23 6	0 20	21 55	0 26	16 9	0 42	12 3	1 49	21 37	12 21	3 50	3 52	18 23	4 56	6 7
F 10	23 0	18 23	4 59	24 53	1 57	22 32	0 8	7 24	1 24	23 6	0 20	21 56	0 26	16 8	0 41	12 3	1 49	21 36	12 21	3 54	3 53	18 23	4 56	6 7
S 11	23 4	18 20	4 41	24 40	1 52	22 42	0 6	7 41	1 24	23 6	0 20	21 57	0 26	16 7	0 41	12 3	1 49	21 35	12 21	3 58	3 54	18 23	4 56	6 8
S 12	23 8	16 58	4 3	24 27	1 47	22 51	0 3	7 57	1 24	23 6	0 20	21 57	0 26	16 7	0 41	12 2	1 49	21 35	12 21	4 1	3 55	18 23	4 56	6 8
M13	23 12	14 29	3 10	24 12	1 41	23 0	0 1	8 14	1 24	23 6	0 20	21 58	0 26	16 6	0 41	12 2	1 49	21 34	12 20	4 4	3 57	18 23	4 56	6 8
T 14	23 15	11 10	2 6	23 56	1 35	23 8	0n 1	8 30	1 23	23 7	0 20	21 58	0 25	16 5	0 41	12 2	1 49	21 34	12 20	4 5	3 58	18 23	4 56	6 9
W15	23 18	7 19	0 56	23 39	1 28	23 15	0 4	8 46	1 23	23 7	0 20	21 59	0 25	16 4	0 41	12 1	1 49	21 33	12 20	4 6	3 59	18 23	4 55	6 9
T 16	23 20	3 12	0s15	23 21	1 20	23 21	0 6	9 2	1 23	23 7	0 20	21 59	0 25	16 3	0 41	12 1	1 49	21 33	12 20	4 6	4 0	18 23	4 55	6 9
F 17	23 22	0n56	1 23	23 3	1 11	23 27	0 8	9 18	1 23	23 7	0 19	22 0	0 25	16 3	0 41	12 1	1 49	21 32	12 19	4 6	4 2	18 23	4 55	6 10
S 18	23 24	4 56	2 25	22 44	1 2	23 33	0 11	9 34	1 22	23 7	0 19	22 0	0 25	16 2	0 41	12 1	1 49	21 31	12 19	4 6	4 3	18 23	4 55	6 10
S 19	23 25	8 38	3 19	22 24	0 52	23 37	0 13	9 50	1 22	23 7	0 19	22 1	0 25	16 1	0 41	12 0	1 49	21 31	12 19	4 8	4 4	18 23	4 55	6 10
M20	23 26	11 53	4 2	22 4	0 41	23 41	0 16	10 6	1 22	23 7	0 19	22 1	0 25	16 0	0 41	12 0	1 49	21 30	12 18	4 10	4 5	18 23	4 55	6 11
T 21	23 26	14 36	4 34	21 44	0 30	23 44	0 18	10 22	1 22	23 7	0 19	22 2	0 25	15 59	0 41	12 0	1 48	21 29	12 18	4 14	4 7	18 23	4 55	6 11
W22	23 26	16 40	4 54	21 23	0 19	23 47	0 20	10 37	1 21	23 7	0 19	22 3	0 25	15 58	0 41	12 0	1 48	21 29	12 18	4 18	4 8	18 23	4 55	6 11
T 23	23 26	18 0	5 0	21 2	0 6	23 48	0 22	10 52	1 21	23 7	0 19	22 3	0 25	15 57	0 41	11 59	1 48	21 28	12 18	4 23	4 9	18 23	4 55	6 11
F 24	23 25	18 33	4 54	20 41	0s 6	23 49	0 25	11 8	1 21	23 7	0 19	22 4	0 25	15 57	0 41	11 59	1 48	21 27	12 17	4 28	4 10	18 23	4 56	6 12
S 25	23 24	18 17	4 34	20 21	0 20	23 50	0 27	11 23	1 20	23 7	0 18	22 4	0 25	15 56	0 41	11 59	1 48	21 27	12 17	4 34	4 12	18 23	4 56	6 12
S 26	23 22	17 13	4 3	20 0	0 33	23 49	0 29	11 38	1 20	23 7	0 18	22 5	0 25	15 55	0 41	11 59	1 48	21 26	12 17	4 38	4 13	18 23	4 56	6 12
M27	23 20	15 24	3 21	19 40	0 48	23 48	0 31	11 53	1 19	23 7	0 18	22 5	0 25	15 54	0 41	11 59	1 48	21 25	12 17	4 41	4 14	18 23	4 56	6 13
T 28	23 18	12 55	2 30	19 20	1 2	23 47	0 34	12 7	1 19	23 7	0 18	22 6	0 24	15 53	0 41	11 59	1 48	21 25	12 16	4 44	4 15	18 23	4 56	6 13
W29	23 15	9 51	1 31	19 1	1 17	23 44	0 36	12 22	1 19	23 7	0 18	22 7	0 24	15 52	0 41	11 58	1 48	21 24	12 16	4 45	4 17	18 23	4 56	6 13
T 30	23n11	6n19	0s27	18n42	1s32	23n41	0n38																	

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JULY 1960

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
F 1	18 36 11	9°59'13"	25°17'21"	29°59'59"	11°52'27"	7°42'42"	27°R22	15°R35	18°Ω49	6°R27	4°7'7"	17°57	19°17'5	6°52'2"	1°R59
S 2	18 40 8	10° 6'25"	8°51'11"	0°Ω 9	12°40	8°25	27°♂14	15°♂31	18°53	6°M26	4° 8	17°R58	19° 2	6° 8	1°K57
S 3	18 44 4	11° 3'37"	21°25	0°14	13°54	9° 7	27° 7	15°26	18°56	6°26	4°10	17°57	18°59	6°15	1°56
M 4	18 48 1	12° 0'48"	5°M 6	0°R14	15° 8	9°50	27° 0	15°22	18°59	6°25	4°11	17°55	18°56	6°22	1°54
T 5	18 51 57	12°57'59"	19°16	0°10	16°22	10°33	26°53	15°18	19° 2	6°25	4°13	17°51	18°53	6°29	1°53
W 6	18 55 54	13°55'10"	3°♂52	0° 1	17°35	11°16	26°45	15°13	19° 5	6°24	4°14	17°44	18°49	6°35	1°51
T 7	18 59 51	14°52'21"	18°52	29°547	18°49	11°58	26°39	15° 9	19° 8	6°24	4°15	17°36	18°46	6°42	1°49
F 8	19 3 47	15°49'32"	4°♂ 6	29°29	20° 3	12°41	26°32	15° 4	19°12	6°24	4°17	17°27	18°43	6°49	1°47
S 9	19 7 44	16°46'43"	19°24	29° 7	21°17	13°23	26°25	15° 0	19°15	6°23	4°18	17°19	18°40	6°56	1°46
S 10	19 11 40	17°43'54"	4°♂35	28°41	22°30	14° 6	26°18	14°56	19°18	6°23	4°20	17°12	18°37	7° 2	1°44
M11	19 15 37	18°41'05"	19°30	28°11	23°44	14°48	26°12	14°51	19°21	6°23	4°21	17° 7	18°33	7° 9	1°42
T 12	19 19 33	19°38'17"	4°K 0	27°39	24°58	15°30	26° 5	14°47	19°25	6°23	4°23	17° 4	18°30	7°16	1°40
W13	19 23 30	20°35'29"	18° 2	27° 3	26°12	16°12	25°59	14°42	19°28	6°22	4°24	17°D 3	18°27	7°22	1°38
T 14	19 27 27	21°32'41"	1°V36	26°26	27°26	16°54	25°52	14°38	19°32	6°22	4°26	17° 4	18°24	7°29	1°36
F 15	19 31 23	22°29'54"	14°44	25°47	28°39	17°36	25°46	14°34	19°35	6°22	4°28	17° 5	18°21	7°36	1°34
S 16	19 35 20	23°27'08"	27°29	25° 7	29°53	18°18	25°40	14°29	19°38	6°22	4°29	17°R 5	18°18	7°43	1°32
S 17	19 39 16	24°24'23"	9°♂56	24°27	1°Ω 7	18°59	25°34	14°25	19°42	6°22	4°31	17° 3	18°14	7°49	1°29
M18	19 43 13	25°21'38"	22° 8	23°47	2°21	19°41	25°28	14°21	19°45	6°D22	4°32	17° 0	18°11	7°56	1°27
T 19	19 47 9	26°18'54"	4°II 0	23° 9	3°35	20°23	25°23	14°16	19°49	6°22	4°34	16°55	18° 8	8° 3	1°25
W20	19 51 6	27°16'10"	16° 5	22°32	4°49	21° 4	25°17	14°12	19°52	6°22	4°36	16°47	18° 5	8° 9	1°23
T 21	19 55 2	28°13'27"	27°57	21°58	6° 3	21°45	25°12	14° 8	19°56	6°22	4°37	16°39	18° 2	8°16	1°20
F 22	19 58 59	29°10'45"	9°♂48	21°27	7°16	22°27	25° 7	14° 4	19°59	6°22	4°39	16°30	17°59	8°23	1°18
S 23	20 2 56	0°Ω 8'04"	21°41	21° 0	8°30	23° 8	25° 1	13°59	20° 3	6°22	4°41	16°21	17°55	8°30	1°16
S 24	20 6 52	1° 5'23"	3°Ω36	20°37	9°44	23°49	24°56	13°55	20° 6	6°22	4°43	16°14	17°52	8°36	1°13
M25	20 10 49	2° 2'43"	15°36	20°20	10°58	24°30	24°52	13°51	20°10	6°23	4°44	16° 8	17°49	8°43	1°11
T 26	20 14 45	3° 0'03"	27°42	20° 7	12°12	25°10	24°47	13°47	20°14	6°23	4°46	16° 4	17°46	8°50	1° 8
W27	20 18 42	3°57'24"	9°♂57	19°59	13°26	25°51	24°42	13°43	20°17	6°23	4°48	16° 2	17°43	8°56	1° 6
T 28	20 22 38	4°54'45"	22°22	19°D58	14°40	26°31	24°38	13°39	20°21	6°23	4°50	16°D 2	17°39	9° 3	1° 3
F 29	20 26 35	5°52'07"	5°♂ 0	20° 2	15°54	27°12	24°34	13°35	20°25	6°24	4°52	16° 3	17°36	9°10	1° 0
S 30	20 30 31	6°49'30"	17°55	20°13	17° 7	27°52	24°30	13°31	20°28	6°24	4°53	16° 5	17°33	9°17	0°58
S 31	20 34 28	7°Ω46'53"	1°M10	20°530	18°Ω21	28°♂32	24°♂26	13°♂28	20°Ω32	6°M25	4°♂55	16°♂ 6	17°♂30	9°♂23	0°K55

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	23n 8	2n27	0n39	18n24	1s48	23n37	0n40	12n51	1s18	23s 7	0n18	22s 8	0n24	15n50	0n41	11s58	1n48	21n23	12n16	4n46	4n19	18n23	4s57	6n14
S 2	23 3	1s38	1 46	18 7	2 3	23 32	0 42	13 5	1 17	23 7	0 17	22 8	0 24	15 49	0 41	11 58	1 48	21 22	12 15	4 46	4 20	18 23	4 57	6 14
S 3	22 59	5 45	2 48	17 51	2 19	23 27	0 44	13 19	1 17	23 7	0 17	22 9	0 24	15 48	0 41	11 58	1 48	21 21	12 15	4 46	4 22	18 23	4 57	6 14
M 4	22 54	9 43	3 44	17 36	2 34	23 21	0 46	13 33	1 17	23 7	0 17	22 10	0 24	15 47	0 41	11 58	1 48	21 21	12 15	4 47	4 23	18 23	4 58	6 14
T 5	22 49	13 15	4 27	17 21	2 49	23 14	0 48	13 47	1 16	23 7	0 17	22 10	0 24	15 46	0 41	11 58	1 48	21 20	12 15	4 48	4 24	18 23	4 58	6 15
W 6	22 43	16 6	4 55	17 9	3 5	23 7	0 50	14 1	1 16	23 7	0 17	22 11	0 24	15 45	0 41	11 58	1 48	21 19	12 15	4 51	4 25	18 23	4 58	6 15
T 7	22 37	17 56	5 4	16 57	3 19	22 59	0 52	14 14	1 15	23 7	0 17	22 11	0 24	15 44	0 41	11 58	1 48	21 18	12 14	4 54	4 27	18 23	4 59	6 15
F 8	22 30	18 32	4 51	16 47	3 33	22 50	0 54	14 27	1 15	23 7	0 16	22 12	0 24	15 43	0 41	11 58	1 48	21 18	12 14	4 57	4 28	18 23	4 59	6 15
S 9	22 23	17 47	4 18	16 38	3 47	22 41	0 56	14 41	1 14	23 7	0 16	22 12	0 24	15 42	0 41	11 58	1 48	21 17	12 14	5 1	4 29	18 23	5 0	6 16
S 10	22 16	15 46	3 27	16 31	4 0	22 31	0 58	14 54	1 14	23 7	0 16	22 13	0 23	15 41	0 41	11 57	1 47	21 16	12 14	5 4	4 30	18 23	5 0	6 16
M11	22 8	12 44	2 22	16 25	4 12	22 20	1 0	15 7	1 13	23 7	0 16	22 14	0 23	15 40	0 41	11 57	1 47	21 15	12 14	5 6	4 32	18 23	5 1	6 16
T 12	22 0	8 58	1 9	16 21	4 22	22 9	1 1	15 19	1 13	23 7	0 16	22 14	0 23	15 39	0 41	11 57	1 47	21 15	12 13	5 7	4 33	18 23	5 1	6 16
W13	21 52	4 49	0s 5	16 18	4 32	21 57	1 3	15 32	1 12	23 7	0 16	22 15	0 23	15 38	0 41	11 57	1 47	21 14	12 13	5 7	4 34	18 23	5 2	6 17
T 14	21 43	0 33	1 17	16 17	4 40	21 44	1 5	15 44	1 12	23 7	0 16	22 15	0 23	15 37	0 41	11 57	1 47	21 13	12 13	5 7	4 35	18 22	5 2	6 17
F 15	21 34	3n37	2 23	16 18	4 46	21 31	1 6	15 57	1 11	23 7	0 15	22 16	0 23	15 36	0 41	11 57	1 47	21 12	12 13	5 6	4 37	18 22	5 3	6 17
S 16	21 24	7 29	3 19	16 20	4 52	21 17	1 8	16 9	1 11	23 7	0 15	22 16	0 23	15 34	0 41	11 57	1 47	21 12	12 13	5 6	4 38	18 22	5 3	6 17
S 17	21 14	10 55	4 5	16 23	4 55	21 2	1 9	16 21	1 10	23 7	0 15	22 17	0 23	15 33	0 41	11 57	1 47	21 11	12 13	5 7	4 39	18 22	5 4	6 17
M18	21 4	13 49	4 39	16 28	4 57	20 47	1 11	16 33	1 9	23 7	0 15	22 18	0 23	15 32	0 41	11 58	1 47	21 10	12 12	5 8	4 40	18 22	5 4	6 18
T 19	20 53	16 5	4 59	16 35	4 57	20 31	1 12	16 44	1 9	23 7	0 15	22 18	0 23	15 31	0 41	11 58	1 47	21 9	12 12	5 10	4 42	18 22	5 5	6 18
W20	20 42	17 38	5 7	16 42	4 55	20 15	1 13	16 56	1 8	23 7	0 15	22 19	0 23	15 30	0 41	11 58	1 47	21 9	12 12	5 13	4 43	18 22	5 6	6 18
T 21	20 31	18 25	5 1	16 51	4 52	19 58	1 15	17 7	1 8	23 7	0 14	22 19	0 22	15 29	0 41	11 58	1 47	21 8	12 12	5 16	4 44	18 22	5 6	6 18
F 22	20 19	18 23	4 42	17 1	4 47	19 41	1 16	17 18	1 7	23 7	0 14	22 20	0 22	15 28	0 41	11 58	1 47	21 7	12 12	5 20	4 45	18 22	5 7	6 18
S 23	20 7	17 34	4 11	17 11	4 40	19 23	1 17	17 29	1 6	23 7	0 14	22 20	0 22	15 27	0 41	11 58	1 47	21 6	12 12	5 23	4 46	18 22		

SWISS EPHEMERIS for the year 1960

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♁	♁	♁	♁
M 1	20 38 24	8Ω44'16	14♐46	20♋53	19♌35	29♋13	24°R22	13°R24	20♌36	6♐25	4♎57	16°R 6	17♎27	9♋30	0°R52
T 2	20 42 21	9°41'41	28°47	21°22	20°49	29°52	24°19	13°20	20°39	6°25	4°59	16°R 5	17°24	9°37	0°R50
W 3	20 46 18	10°39'06	13♌10	21°58	22° 3	0♐32	24°16	13°16	20°43	6°26	5° 1	16° 2	17°20	9°43	0°47
T 4	20 50 14	11°36'31	27°53	22°40	23°17	1°12	24°12	13°13	20°47	6°26	5° 3	15°58	17°17	9°50	0°44
F 5	20 54 11	12°33'57	12♋50	23°28	24°31	1°52	24°10	13° 9	20°50	6°27	5° 5	15°53	17°14	9°57	0°41
S 6	20 58 7	13°31'25	27°54	24°23	25°45	2°31	24° 7	13° 6	20°54	6°28	5° 7	15°48	17°11	10° 4	0°39
S 7	21 2 4	14°28'53	12♋55	25°23	26°59	3°10	24° 4	13° 2	20°58	6°28	5° 8	15°45	17° 8	10°10	0°36
M 8	21 6 0	15°26'22	27°45	26°29	28°13	3°50	24° 2	12°59	21° 1	6°29	5°10	15°42	17° 5	10°17	0°33
T 9	21 9 57	16°23'52	12♌15	27°41	29°26	4°29	23°59	12°56	21° 5	6°29	5°12	15°D41	17° 1	10°24	0°30
W10	21 13 53	17°21'23	26°20	28°59	0♐40	5° 8	23°57	12°52	21° 9	6°30	5°14	15°42	16°58	10°30	0°27
T 11	21 17 50	18°18'55	10♑ 0	0♌22	1°54	5°47	23°55	12°49	21°13	6°31	5°16	15°43	16°55	10°37	0°24
F 12	21 21 47	19°16'29	23°13	1°50	3° 8	6°25	23°54	12°46	21°16	6°32	5°18	15°44	16°52	10°44	0°21
S 13	21 25 43	20°14'05	6♋ 3	3°22	4°22	7° 4	23°52	12°43	21°20	6°33	5°20	15°46	16°49	10°50	0°19
S 14	21 29 40	21°11'42	18°32	4°59	5°36	7°42	23°51	12°40	21°24	6°33	5°22	15°R46	16°45	10°57	0°16
M15	21 33 36	22° 9'20	0♐46	6°40	6°50	8°21	23°50	12°37	21°28	6°34	5°24	15°46	16°42	11° 4	0°13
T 16	21 37 33	23° 7'00	12°48	8°25	8° 4	8°59	23°49	12°34	21°31	6°35	5°26	15°45	16°39	11°11	0°10
W17	21 41 29	24° 4'42	24°42	10°13	9°18	9°37	23°48	12°31	21°35	6°36	5°28	15°43	16°36	11°17	0° 7
T 18	21 45 26	25° 2'25	6♋34	12° 4	10°32	10°15	23°47	12°29	21°39	6°37	5°30	15°40	16°33	11°24	0° 4
F 19	21 49 22	26° 0'10	18°26	13°57	11°46	10°52	23°47	12°26	21°42	6°38	5°32	15°36	16°30	11°31	0° 1
S 20	21 53 19	26°57'56	0♌21	15°52	12°59	11°30	23°47	12°24	21°46	6°39	5°34	15°33	16°26	11°37	29°58
S 21	21 57 16	27°55'44	12°23	17°49	14°13	12° 7	23°D47	12°21	21°50	6°40	5°36	15°31	16°23	11°44	29°55
M22	22 1 12	28°53'33	24°32	19°47	15°27	12°45	23°47	12°19	21°54	6°41	5°38	15°29	16°20	11°51	29°52
T 23	22 5 9	29°51'23	6♎51	21°46	16°41	13°22	23°47	12°17	21°57	6°42	5°40	15°28	16°17	11°58	29°49
W24	22 9 5	0♐49'15	19°21	23°45	17°55	13°59	23°48	12°14	22° 1	6°43	5°42	15°D28	16°14	12° 4	29°46
T 25	22 13 2	1°47'08	2♌ 3	25°45	19° 9	14°35	23°48	12°12	22° 5	6°44	5°44	15°28	16°10	12°11	29°43
F 26	22 16 58	2°45'03	14°58	27°45	20°23	15°12	23°49	12°10	22° 8	6°46	5°46	15°29	16° 7	12°18	29°40
S 27	22 20 55	3°42'59	28° 7	29°44	21°37	15°48	23°50	12° 8	22°12	6°47	5°48	15°30	16° 4	12°24	29°37
S 28	22 24 51	4°40'57	11♐32	1♐43	22°51	16°24	23°52	12° 6	22°16	6°48	5°50	15°31	16° 1	12°31	29°34
M29	22 28 48	5°38'55	25°12	3°42	24° 5	17° 0	23°53	12° 5	22°20	6°49	5°52	15°32	15°58	12°38	29°31
T 30	22 32 45	6°36'55	9♌ 8	5°39	25°18	17°36	23°55	12° 3	22°23	6°51	5°54	15°R32	15°55	12°45	29°28
W31	22 36 41	7♎34'57	23♌20	7♎36	26♎32	18♐12	23♌57	12° 2	22°27	6♐52	5♎56	15°R32	15°51	12°51	29°25

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♆	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	18n 5	12s 1	4n26	19n 1	2s50	16n17	1n25	19n 0	1s 0	23s 7	0n13	22s25	0n21	15n16	0n41	11s59	1n46	20n59	12n11	5n29	4n58	18n21	5s15	6n20
T 2	17 49	15 3	4 58	19 12	2 35	15 54	1 26	19 10	0 59	23 7	0 12	22 25	0 21	15 15	0 41	12 0	1 46	20 58	12 10	5 30	4 59	18 20	5 15	6 20
W 3	17 34	17 14	5 11	19 22	2 19	15 31	1 26	19 19	0 59	23 7	0 12	22 26	0 21	15 14	0 41	12 0	1 46	20 58	12 10	5 31	5 0	18 20	5 16	6 20
T 4	17 18	18 21	5 5	19 31	2 3	15 7	1 26	19 28	0 58	23 7	0 12	22 26	0 21	15 13	0 41	12 0	1 46	20 57	12 10	5 32	5 1	18 20	5 17	6 20
F 5	17 2	18 13	4 38	19 39	1 47	14 43	1 27	19 36	0 57	23 7	0 12	22 27	0 21	15 12	0 41	12 0	1 46	20 56	12 10	5 34	5 3	18 20	5 18	6 20
S 6	16 46	16 48	3 52	19 45	1 31	14 18	1 27	19 45	0 56	23 7	0 12	22 27	0 21	15 10	0 41	12 0	1 46	20 55	12 10	5 36	5 4	18 20	5 19	6 20
S 7	16 29	14 13	2 50	19 50	1 15	13 53	1 27	19 53	0 55	23 7	0 12	22 28	0 21	15 9	0 41	12 1	1 46	20 55	12 10	5 37	5 5	18 20	5 20	6 20
M 8	16 13	10 45	1 37	19 53	1 0	13 28	1 28	20 1	0 55	23 7	0 12	22 28	0 21	15 8	0 41	12 1	1 46	20 54	12 10	5 38	5 6	18 20	5 21	6 20
T 9	15 55	6 41	0 19	19 54	0 45	13 2	1 28	20 10	0 54	23 7	0 11	22 28	0 21	15 7	0 41	12 1	1 46	20 53	12 10	5 39	5 8	18 19	5 22	6 20
W10	15 38	2 21	0s58	19 53	0 30	12 36	1 28	20 17	0 53	23 7	0 11	22 29	0 20	15 6	0 41	12 2	1 46	20 52	12 10	5 39	5 9	18 19	5 23	6 20
T 11	15 20	1n59	2 9	19 49	0 16	12 10	1 28	20 25	0 52	23 7	0 11	22 29	0 20	15 4	0 41	12 2	1 46	20 51	12 10	5 38	5 10	18 19	5 24	6 20
F 12	15 3	6 3	3 12	19 43	0 2	11 43	1 28	20 33	0 51	23 7	0 11	22 30	0 20	15 3	0 41	12 2	1 46	20 51	12 10	5 37	5 11	18 19	5 25	6 20
S 13	14 44	9 44	4 2	19 35	0n11	11 16	1 27	20 40	0 50	23 7	0 11	22 30	0 20	15 2	0 41	12 2	1 45	20 50	12 10	5 37	5 12	18 19	5 26	6 20
S 14	14 26	12 52	4 40	19 24	0 23	10 49	1 27	20 47	0 49	23 7	0 11	22 30	0 20	15 1	0 41	12 3	1 45	20 49	12 10	5 37	5 14	18 19	5 27	6 20
M15	14 8	15 21	5 4	19 10	0 35	10 21	1 27	20 54	0 49	23 7	0 10	22 31	0 20	15 0	0 41	12 3	1 45	20 48	12 10	5 37	5 15	18 18	5 28	6 20
T 16	13 49	17 8	5 14	18 54	0 46	9 53	1 27	21 1	0 48	23 8	0 10	22 31	0 20	14 58	0 41	12 3	1 45	20 48	12 10	5 37	5 16	18 18	5 29	6 20
W17	13 30	18 10	5 11	18 35	0 56	9 25	1 26	21 7	0 47	23 8	0 10	22 32	0 20	14 57	0 41	12 4	1 45	20 47	12 10	5 38	5 17	18 18	5 30	6 20
T 18	13 11	18 23	4 54	18 13	1 5	8 57	1 26	21 14	0 46	23 8	0 10	22 32	0 20	14 56	0 41	12 4	1 45	20 46	12 10	5 39	5 19	18 18	5 31	6 20
F 19	12 51	17 48	4 25	17 48	1 13	8 28	1 25	21 20	0 45	23 8	0 10	22 32	0 19	14 55	0 41	12 5	1 45	20 45	12 10	5 41	5 20	18 18	5 32	6 20
S 20	12 32	16 26	3 44	17 21	1 20	7 59	1 25	21 26	0 44	23 8	0 10	22 33	0 19	14 54	0 41	12 5	1 45	20 45	12 10	5 42	5 21	18 18	5 33	6 20
S 21	12 12	14 20	2 53	16 52	1 26	7 30	1 24	21 32	0 43	23 8	0 10	22 33	0 19	14 52	0 41	12 5	1 45	20 44	12 10	5 43	5 22	18 17	5 34	6 20
M22	11 52	11 34	1 53	16 20	1 32	7 1	1 23	21 38	0 42	23 8	0 9	22 33	0 19	14 51	0 41	12 6	1 45	20 43	12 10	5 43	5 24	18 17	5 35	6 20
T 23	11 31	8 16	0 47	15 46	1 36	6 31	1 22	21 44	0 41	23 9	0 9	22 34	0 19	14 50	0 41	12 6	1 45	20 42	12 10	5 44	5 25	18 17	5 36	6 20
W24	11 11	4 33	0n21	15 10	1 40	6 1	1 21	21 49	0 40	23 9	0 9	22 34	0 19	14 49	0 41	12 7	1 45	20 42	12 10	5 44	5 26	18 17	5 37	6 20
T 25	10 50	0 34	1 31	14 33	1 43	5 32	1 20	21 54	0 39	23 9	0 9	22 34	0 19	14 48	0 41	12 7	1 45	20 41	12 10	5 44	5 27	18 17	5 38	6 20
F 26	10 30	3s30	2 36	13 54	1 45	5 2	1 19	22 0	0 38	23 9	0 9	22 34	0 19	14 46	0 41	12 7	1 45	20 40	12 10	5 43	5 29	18 16	5 39	6 20
S 27	10 9	7 28	3 35	13 13	1 46	4 32	1 18	22 4	0 37	23 9	0 9	22 35	0 19	14 45	0 41	12 8	1 45	20 39	12 10	5 43	5 30	18 16	5 40	6 20
S 28	9 48	11 7	4 23	12 31	1 46	4 1	1 17	22 9	0 36	23 10	0 8	22 35	0 18	14 44	0 41	12 8	1 45	20 39	12 10	5 42	5 31	18 16	5 41	6 20
M29	9 26	14 15	4 57																					

SWISS EPHEMERIS for the year 1960

SEPTEMBER 1960

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	
T 1	22 40 38	8 ^m 32'59	7 ^h 345	9 ^m 327	27 ^m 46	18 ^h II48	23 ^h 2759	12°R 0	22 ^h Ω30	6 ^m 53	5 ^m 59	15°R31	15 ^m 48	12 ^h 58	29°R22
F 2	22 44 34	9°31'03	22°19	11°27	29° 0	19°23	24° 1	11 ^h 359	22°34	6°55	6° 1	15 ^m 31	15°45	13° 5	29 ^m 19
S 3	22 48 31	10°29'09	6 ^h 58	13°20	0 ^h 14	19°58	24° 3	11°57	22°38	6°56	6° 3	15°30	15°42	13°11	29°16
S 4	22 52 27	11°27'16	21°37	15°13	1°28	20°33	24° 6	11°56	22°41	6°58	6° 5	15°30	15°39	13°18	29°13
M 5	22 56 24	12°25'24	6 ^h 7	17° 4	2°42	21° 8	24° 9	11°55	22°45	6°59	6° 7	15°29	15°36	13°25	29°11
T 6	23 0 20	13°23'35	20°24	18°55	3°55	21°42	24°11	11°54	22°48	7° 1	6° 9	15°D29	15°32	13°31	29° 8
W 7	23 4 17	14°21'47	4 ^h 22	20°44	5° 9	22°17	24°15	11°53	22°52	7° 2	6°11	15°29	15°29	13°38	29° 5
T 8	23 8 14	15°20'00	17°59	22°32	6°23	22°51	24°18	11°52	22°56	7° 4	6°13	15°R29	15°26	13°45	29° 2
F 9	23 12 10	16°18'16	1 ^h 14	24°19	7°37	23°25	24°21	11°52	22°59	7° 5	6°15	15°29	15°23	13°52	28°59
S 10	23 16 7	17°16'34	14° 6	26° 4	8°51	23°59	24°25	11°51	23° 3	7° 7	6°17	15°29	15°20	13°58	28°56
S 11	23 20 3	18°14'54	26°39	27°49	10° 4	24°32	24°29	11°50	23° 6	7° 8	6°19	15°29	15°16	14° 5	28°54
M12	23 24 0	19°13'16	8 ^h II55	29°32	11°18	25° 5	24°33	11°50	23° 9	7°10	6°21	15°29	15°13	14°12	28°51
T13	23 27 56	20°11'40	20°58	1 ^h 15	12°32	25°38	24°37	11°50	23°13	7°12	6°23	15°D29	15°10	14°18	28°48
W14	23 31 53	21°10'06	2 ^h 53	2°56	13°46	26°11	24°41	11°49	23°16	7°13	6°25	15°29	15° 7	14°25	28°46
T 15	23 35 49	22° 8'35	14°45	4°36	14°59	26°44	24°46	11°49	23°20	7°15	6°27	15°29	15° 4	14°32	28°43
F 16	23 39 46	23° 7'05	26°38	6°15	16°13	27°16	24°50	11°D49	23°23	7°17	6°29	15°30	15° 1	14°39	28°40
S 17	23 43 43	24° 5'38	8 ^h Ω36	7°53	17°27	27°49	24°55	11°49	23°26	7°18	6°31	15°31	14°57	14°45	28°38
S 18	23 47 39	25° 4'12	20°43	9°30	18°41	28°20	25° 0	11°49	23°30	7°20	6°33	15°32	14°54	14°52	28°35
M19	23 51 36	26° 2'49	3 ^h 2	11° 6	19°54	28°52	25° 5	11°50	23°33	7°22	6°35	15°32	14°51	14°59	28°33
T 20	23 55 32	27° 1'28	15°35	12°41	21° 8	29°24	25°11	11°50	23°36	7°24	6°37	15°R33	14°48	15° 5	28°30
W21	23 59 29	28° 0'09	28°24	14°15	22°22	29°55	25°16	11°50	23°40	7°26	6°38	15°32	14°45	15°12	28°28
T 22	0 3 25	28°58'51	11 ^h 15	15°48	23°36	0 ^h 26	25°22	11°51	23°43	7°27	6°40	15°31	14°42	15°19	28°25
F 23	0 7 22	29°57'36	24°47	17°20	24°49	0°56	25°28	11°52	23°46	7°29	6°42	15°30	14°38	15°25	28°23
S 24	0 11 18	0 ^h 56'22	8 ^h Ω20	18°51	26° 3	1°27	25°34	11°52	23°49	7°31	6°44	15°28	14°35	15°32	28°20
S 25	0 15 15	1°55'11	22° 5	20°21	27°17	1°57	25°40	11°53	23°52	7°33	6°46	15°26	14°32	15°39	28°18
M26	0 19 11	2°54'01	6 ^h 27	21°50	28°30	2°26	25°46	11°54	23°55	7°35	6°48	15°24	14°29	15°46	28°16
T 27	0 23 8	3°52'53	20° 3	23°18	29°44	2°56	25°53	11°55	23°59	7°37	6°50	15°22	14°26	15°52	28°14
W28	0 27 5	4°51'47	4 ^h 31	24°45	0 ^h 58	3°25	25°59	11°56	24° 2	7°39	6°52	15°D22	14°22	15°59	28°11
T 29	0 31 1	5°50'42	18°24	26°11	2°11	3°54	26° 6	11°58	24° 5	7°41	6°54	15°22	14°19	16° 6	28° 9
F 30	0 34 58	6°49'39	2 ^h 39	27°36	3 ^h 25	4°22	26°13	11 ^h 359	24 ^h Ω 8	7 ^m 43	6 ^m 55	15 ^m 23	14 ^m 16	16°12	28 ^m 7

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
T 1	8n22	18s20	4n54	9n34	1n42	1n59	1n12	22n27	0s31	23s10	0n 8	22s36	0n18	14n39	0n41	12s10	1n44	20n36	12n10	5n43	5n36	18n15	5s46	6n19
F 2	8 0	17 25	4 14	8 48	1 39	1 28	1 10	22 31	0 30	23 11	0 8	22 36	0 18	14 38	0 41	12 11	1 44	20 35	12 10	5 43	5 37	18 15	5 47	6 19
S 3	7 38	15 20	3 18	8 2	1 36	0 58	1 9	22 35	0 29	23 11	0 8	22 37	0 18	14 37	0 41	12 11	1 44	20 34	12 11	5 43	5 38	18 15	5 48	6 19
S 4	7 16	12 16	2 9	7 15	1 32	0 27	1 7	22 38	0 28	23 11	0 7	22 37	0 18	14 36	0 41	12 12	1 44	20 34	12 11	5 43	5 40	18 14	5 49	6 19
M 5	6 54	8 28	0 52	6 28	1 28	0s 4	1 6	22 42	0 27	23 11	0 7	22 37	0 18	14 35	0 41	12 12	1 44	20 33	12 11	5 43	5 41	18 14	5 50	6 19
T 6	6 32	4 13	0s27	5 41	1 24	0 35	1 4	22 45	0 26	23 12	0 7	22 37	0 17	14 34	0 41	12 13	1 44	20 32	12 11	5 43	5 42	18 14	5 51	6 19
W 7	6 9	0n10	1 43	4 53	1 19	1 6	1 2	22 48	0 25	23 12	0 7	22 37	0 17	14 32	0 41	12 13	1 44	20 32	12 11	5 43	5 43	18 14	5 53	6 18
T 8	5 47	4 25	2 51	4 6	1 14	1 37	1 0	22 52	0 23	23 12	0 7	22 38	0 17	14 31	0 41	12 14	1 44	20 31	12 11	5 43	5 45	18 13	5 54	6 18
F 9	5 24	8 21	3 48	3 19	1 9	2 8	0 58	22 55	0 22	23 13	0 7	22 38	0 17	14 30	0 41	12 14	1 44	20 30	12 11	5 43	5 46	18 13	5 55	6 18
S 10	5 2	11 45	4 31	2 32	1 3	2 38	0 57	22 57	0 21	23 13	0 7	22 38	0 17	14 29	0 41	12 15	1 44	20 30	12 11	5 43	5 47	18 13	5 56	6 18
S 11	4 39	14 32	5 0	1 45	0 57	3 9	0 55	23 0	0 20	23 13	0 6	22 38	0 17	14 28	0 41	12 15	1 44	20 29	12 11	5 43	5 48	18 13	5 57	6 18
M12	4 16	16 36	5 15	0 58	0 51	3 40	0 52	23 3	0 18	23 13	0 6	22 38	0 17	14 27	0 41	12 16	1 44	20 28	12 12	5 43	5 49	18 12	5 58	6 18
T13	3 53	17 53	5 16	0 12	0 45	4 11	0 50	23 5	0 17	23 14	0 6	22 38	0 17	14 26	0 41	12 17	1 44	20 28	12 12	5 43	5 51	18 12	5 59	6 17
W14	3 30	18 22	5 3	0s35	0 38	4 41	0 48	23 7	0 16	23 14	0 6	22 38	0 17	14 25	0 41	12 17	1 44	20 27	12 12	5 43	5 52	18 12	6 0	6 17
T 15	3 7	18 2	4 37	1 21	0 32	5 12	0 46	23 10	0 15	23 14	0 6	22 39	0 16	14 23	0 41	12 18	1 44	20 27	12 12	5 43	5 53	18 12	6 1	6 17
F 16	2 44	16 55	3 59	2 6	0 25	5 42	0 44	23 12	0 13	23 15	0 6	22 39	0 16	14 22	0 41	12 18	1 44	20 26	12 12	5 43	5 54	18 11	6 3	6 17
S 17	2 21	15 3	3 11	2 51	0 18	6 13	0 42	23 13	0 12	23 15	0 6	22 39	0 16	14 21	0 41	12 19	1 44	20 25	12 12	5 43	5 56	18 11	6 4	6 16
S 18	1 58	12 29	2 13	3 36	0 11	6 43	0 39	23 15	0 11	23 15	0 6	22 39	0 16	14 20	0 41	12 20	1 44	20 25	12 13	5 42	5 57	18 11	6 5	6 16
M19	1 34	9 19	1 9	4 20	0 3	7 13	0 37	23 17	0 9	23 16	0 5	22 39	0 16	14 19	0 41	12 20	1 44	20 24	12 13	5 42	5 58	18 10	6 6	6 16
T 20	1 11	5 41	0n 0	5 4	0s 4	7 43	0 34	23 19	0 8	23 16	0 5	22 39	0 16	14 18	0 41	12 21	1 44	20 24	12 13	5 42	5 59	18 10	6 7	6 16
W21	0 48	1 43	1 11	5 47	0 11	8 13	0 32	23 20	0 6	23 16	0 5	22 39	0 16	14 17	0 41	12 21	1 44	20 23	12 13	5 42	6 1	18 10	6 8	6 16
T 22	0 24	2s25	2 19	6 30	0 19	8 42	0 30	23 21	0 5	23 17	0 5	22 39	0 16	14 16	0 41	12 22	1 44	20 23	12 13	5 42	6 2	18 10	6 9	6 15
F 23	0 1	6 29	3 20	7 12	0 26	9 12	0 27	23 23	0 4	23 17	0 5	22 39	0 16	14 15	0 41	12 23	1 44	20 22	12 14	5 43	6 3	18 9	6 10	6 15
S 24	0s22	10 18	4 12	7 54	0 33	9 41	0 24	23 24	0 2	23 17	0 5	22 39	0 16	14 14	0 41	12 23	1 44	20 22	12 14	5 44	6 4	18 9	6 11	6 15
S 25	0 46	13 37	4 50	8 35	0 41	10 10	0 22	23 25	0 1	23 18	0 5	22 39	0 15	14 13	0 41	12 24	1 44	20 21	12 14	5 45	6 5	18 9	6 12	6 14
M26	1 9	16 12	5 11	9 15	0 48	10 39	0 19	23 26	0n 1	23 18	0 5	22 39	0 15	14 12	0 41	12 25	1 43	20 21	12 14	5 45	6 7	18 8	6 13	6 14
T 27	1 33	17 51	5 14	9 55	0 56	11 7	0 17	23 27	0 2	23 18	0 4	22 39	0 15	14 11	0 41	12 25	1 43	20 20	12 14	5 46	6 8	18 8	6 14	6 14
W28	1 56	18 24	4 59	10 34	1 3	11 36	0 14	23 28	0 4	23 19	0 4	22 39	0 15	14 10	0 41	12 26	1 43	20 20	12 15	5 46	6 9	18 8	6 15	6 14
T 29	2 19	17 48	4 25	11 12																				

SWISS EPHEMERIS for the year 1960

OCTOBER 1960

00:00 UT

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 0'	24 ^h 11'	7 ^h 45'	6 ^h 57'	15 ^h 25'	14 ^h 13'	16 ^h 19'	28 ^h 0' 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' 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 0' 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 9'39"	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'	
M10	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'	
W12	1 22 16	18 ^h 39'35"	10 ^h 54'6"	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 0'30"	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'	
M17	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 R2'	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'	
W19	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 35'9"	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 27'13"	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'	
M24	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 55'25"	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'	
W26	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 3'9"	13 ^h 10'	25 ^h 14'	8 ^h 40'	7 ^h 38'	14 ^h D19'	12 ^h 50'	19 ^h 13'	27 ^h 28'	
F 28	2 25 21	4 ^h 34'15"	13 ^h 31'	24 ^h R1'	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 R21'	12 ^h 41'	19 ^h 33'	27 ^h 27'	
MB1	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 22'	8 ^h 49'	7 ^h 43'	14 ^h R20'	12 ^h 38'	19 ^h 34'	27 ^h 26'	

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	3s 6	13s23	2n31	12s27	1s25	12s59	0n 6	23n30	0n 8	23s20	0n 4	22s39	0n15	14n 7	0n41	12s28	1n43	20n18	12n15	5n45	6n13	18n 7	6s18	6n13
S 2	3 29	9 53	1 18	13 3	1 33	13 26	0 3	23 30	0 10	23 20	0 4	22 39	0 15	14 6	0 41	12 29	1 43	20 18	12 16	5 45	6 14	18 7	6 19	6 12
M 3	3 52	5 51	0 2	13 38	1 40	13 53	0 0	23 31	0 12	23 20	0 4	22 39	0 15	14 5	0 42	12 29	1 43	20 17	12 16	5 44	6 15	18 6	6 20	6 12
T 4	4 16	1 32	1s14	14 13	1 47	14 19	0s 3	23 31	0 13	23 21	0 4	22 39	0 14	14 4	0 42	12 30	1 43	20 17	12 16	5 45	6 16	18 6	6 21	6 12
W 5	4 39	2n47	2 24	14 47	1 53	14 46	0 6	23 31	0 15	23 21	0 3	22 39	0 14	14 3	0 42	12 31	1 43	20 16	12 17	5 45	6 18	18 6	6 22	6 11
T 6	5 2	6 53	3 25	15 19	2 0	15 12	0 9	23 32	0 17	23 21	0 3	22 39	0 14	14 2	0 42	12 31	1 43	20 16	12 17	5 47	6 19	18 5	6 23	6 11
F 7	5 25	10 33	4 13	15 51	2 7	15 37	0 11	23 32	0 18	23 21	0 3	22 39	0 14	14 1	0 42	12 32	1 43	20 16	12 17	5 48	6 20	18 5	6 24	6 11
S 8	5 48	13 38	4 47	16 22	2 13	16 2	0 14	23 32	0 20	23 22	0 3	22 39	0 14	14 1	0 42	12 33	1 43	20 15	12 17	5 50	6 21	18 5	6 25	6 10
S 9	6 11	16 1	5 7	16 52	2 19	16 27	0 17	23 32	0 22	23 22	0 3	22 39	0 14	14 0	0 42	12 33	1 43	20 15	12 18	5 52	6 23	18 4	6 26	6 10
M10	6 33	17 36	5 12	17 20	2 25	16 51	0 20	23 32	0 24	23 22	0 3	22 39	0 14	13 59	0 42	12 34	1 43	20 14	12 18	5 54	6 24	18 4	6 27	6 10
T 11	6 56	18 23	5 3	17 48	2 31	17 15	0 23	23 32	0 25	23 23	0 3	22 38	0 14	13 58	0 42	12 35	1 43	20 14	12 18	5 55	6 25	18 4	6 28	6 9
W12	7 19	18 20	4 41	18 14	2 36	17 39	0 26	23 33	0 27	23 23	0 3	22 38	0 14	13 57	0 42	12 35	1 43	20 14	12 19	5 56	6 26	18 3	6 28	6 9
T 13	7 41	17 28	4 8	18 40	2 41	18 2	0 29	23 33	0 29	23 23	0 2	22 38	0 14	13 56	0 42	12 36	1 43	20 13	12 19	5 56	6 27	18 3	6 29	6 9
F 14	8 4	15 51	3 23	19 4	2 46	18 24	0 32	23 33	0 31	23 23	0 2	22 38	0 13	13 56	0 42	12 37	1 43	20 13	12 19	5 55	6 29	18 2	6 30	6 8
S 15	8 26	13 31	2 29	19 26	2 50	18 46	0 35	23 33	0 33	23 24	0 2	22 38	0 13	13 55	0 42	12 38	1 43	20 13	12 19	5 55	6 30	18 2	6 31	6 8
S 16	8 48	10 34	1 28	19 47	2 54	19 8	0 38	23 33	0 35	23 24	0 2	22 38	0 13	13 54	0 42	12 38	1 43	20 13	12 20	5 54	6 31	18 2	6 32	6 8
M17	9 10	7 5	0 22	20 7	2 58	19 29	0 41	23 33	0 37	23 24	0 2	22 38	0 13	13 53	0 42	12 39	1 43	20 12	12 20	5 54	6 32	18 1	6 33	6 7
T 18	9 32	3 12	0n47	20 25	3 1	19 50	0 43	23 33	0 38	23 24	0 2	22												

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°D 2	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°R 2	11°56	21° 7	27°26	
M14	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	
W16	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°D 1	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	
M21	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♋ 4	10°12	8° 1	18°39	5° 9	15°15	25°46	9°38	8° 3	11°58	11°28	22° 7	27°31	
W23	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	
M28	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	
W30	4 35 27	7°47'20	1♌ 4	19♍ 2	17♋38	18♌ 3	6♋51	16♋ 2	25♊48	9♍55	8♎ 6	11♎33	11♎ 2	23♌ 1	27°R41	

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	14s22	1n22	2s 5	20s30	2s 9	23s40	1s22	23n36	1n 8	23s26	0n 0	22s34	0n12	13n44	0n43	12s50	1n43	20n 9	12n26	6n11	6n51	17n55	6s42	6n 1
W 2	14 41	5 32	3 6	20 5	1 55	23 52	1 25	23 36	1 11	23 26	0 0	22 33	0 12	13 43	0 43	12 50	1 43	20 9	12 26	6 13	6 52	17 55	6 43	6 1
T 3	15 0	9 22	3 56	19 35	1 39	24 3	1 27	23 37	1 13	23 26	0 0	22 33	0 12	13 43	0 43	12 51	1 43	20 9	12 26	6 16	6 53	17 55	6 43	6 1
F 4	15 18	12 41	4 33	19 2	1 22	24 13	1 30	23 38	1 16	23 26	0 0	22 33	0 11	13 42	0 43	12 52	1 43	20 9	12 27	6 20	6 54	17 54	6 44	6 0
S 5	15 37	15 22	4 55	18 25	1 3	24 23	1 32	23 39	1 18	23 26	0 0	22 32	0 11	13 42	0 43	12 53	1 43	20 9	12 27	6 24	6 55	17 54	6 44	6 0
S 6	15 55	17 17	5 4	17 45	0 44	24 32	1 35	23 40	1 21	23 26	0s 0	22 32	0 11	13 41	0 43	12 53	1 43	20 9	12 28	6 28	6 57	17 53	6 44	5 59
M 7	16 13	18 23	4 58	17 3	0 23	24 40	1 37	23 41	1 23	23 26	0 0	22 32	0 11	13 41	0 43	12 54	1 43	20 9	12 28	6 32	6 58	17 53	6 45	5 59
T 8	16 31	18 38	4 39	16 20	0 3	24 47	1 39	23 42	1 26	23 26	0 0	22 31	0 11	13 41	0 43	12 55	1 43	20 9	12 28	6 35	6 59	17 52	6 45	5 58
W 9	16 48	18 3	4 8	15 38	0n18	24 54	1 41	23 43	1 28	23 25	0 0	22 31	0 11	13 40	0 43	12 55	1 43	20 9	12 29	6 38	7 0	17 52	6 46	5 58
T 10	17 5	16 41	3 26	14 57	0 38	25 0	1 44	23 45	1 31	23 25	0 1	22 30	0 11	13 40	0 43	12 56	1 43	20 9	12 29	6 39	7 1	17 52	6 46	5 58
F 11	17 22	14 36	2 36	14 18	0 17	25 6	1 46	23 46	1 33	23 25	0 1	22 30	0 11	13 39	0 43	12 57	1 43	20 9	12 30	6 40	7 3	17 51	6 46	5 57
S 12	17 38	11 53	1 38	13 43	1 14	25 10	1 48	23 48	1 36	23 25	0 1	22 29	0 11	13 39	0 43	12 57	1 43	20 9	12 30	6 40	7 4	17 51	6 47	5 57
S 13	17 54	8 37	0 35	13 13	1 29	25 14	1 50	23 50	1 39	23 25	0 1	22 29	0 11	13 39	0 43	12 58	1 43	20 9	12 31	6 40	7 5	17 50	6 47	5 56
M14	18 10	4 54	0n31	12 48	1 43	25 18	1 52	23 51	1 41	23 25	0 1	22 28	0 11	13 39	0 43	12 59	1 43	20 9	12 31	6 40	7 6	17 50	6 47	5 56
T 15	18 26	0 52	1 37	12 28	1 55	25 20	1 54	23 53	1 44	23 24	0 1	22 28	0 10	13 38	0 43	12 59	1 43	20 10	12 31	6 41	7 8	17 49	6 47	5 56
W16	18 41	3s21	2 40	12 14	2 5	25 22	1 55	23 56	1 47	23 24	0 1	22 28	0 10	13 38	0 43	13 0	1 43	20 10	12 32	6 42	7 9	17 49	6 48	5 55
T 17	18 56	7 31	3 36	12 5	2 13	25 23	1 57	23 58	1 49	23 24	0 1	22 27	0 10	13 38	0 43	13 1	1 43	20 10	12 32	6 45	7 10	17 48	6 48	5 55
F 18	19 10	11 25	4 21	12 2	2 19	25 23	1 59	24 0	1 52	23 24	0 1	22 27	0 10	13 38	0 43	13 2	1 43	20 10	12 33	6 48	7 11	17 48	6 48	5 54
S 19	19 25	14 44	4 50	12 4	2 23	25 22	2 0	24 3	1 55	23 23	0 1	22 26	0 10	13 37	0 43	13 2	1 43	20 10	12 33	6 52	7 12	17 47	6 48	5 54
S 20	19 39	17 11	5 1	12 10	2 25	25 21	2 2	24 5	1 58	23 23	0 1	22 25	0 10	13 37	0 43	13 3	1 43	20 10	12 34	6 57	7 14	17 47	6 48	5 53
M21	19 52	18 31	4 52	12 20	2 27	25 19	2 3	24 8	2 1	23 23	0 2	22 25	0 10	13 37	0 43	13 4	1 43	20 10	12 34	7 1	7 15	17 47	6 48	5 53
T 22	20 5	18 36	4 24	12 33	2 27	25 16	2 5	24 11	2 4	23 22	0 2	22 24	0 10	13 37	0 43	13 4	1 43	20 11	12 34	7 4	7 16	17 46	6 48	5 53
W23	20 18	17 26	3 38	12 50	2 26	25 13	2 6	24 14	2 7	23 22	0 2	22 24	0 10	13 37	0 44	13 5	1 43	20 11	12 35	7 7	7 17	17 46	6 49	5 52
T 24	20 30	15 9	2 39	13 9	2 24	25 9	2 7	24 17	2 9	23 21	0 2	22 23	0 10	13 37	0 44	13 5	1 43	20 11	12 35	7 8	7 18	17 45	6 49	5 52
F 25	20 42	12 0	1 31	13 30	2 21	25 4	2 8	24 21	2 12	23 21	0 2	22 23	0 10	13 37	0 44	13 6	1 43	20 11	12 36	7 9	7 20	17 45	6 49	5 51
S 26	20 54	8 13	0 19	13 53	2 17	24 58	2 9	24 24	2 15	23 20	0 2	22 22	0 10	13 36	0 44	13 7	1 43	20 11	12 36	7 9	7 21	17 44	6 49	5 51
S 27	21 5	4 5	0s2	14 18	2 13	24 52	2 10	24 28	2 18	23 20	0 2	22 21	0 9	13 36	0 44	13 7	1 43	20 12	12 37	7 9	7 22	17 44	6 49	5 51
M28	21 16	0n11	2 0	14 43	2 8	24 45	2 11	24 31	2 21	23 19	0 2	22 21	0 9	13 36	0 44	13 8	1 43	20 12	12 37	7 10	7 23	17 43	6 49	5 50
T 29	21 27	4 21	2 59	15 10	2 2	24 37	2 12	24 35	2 24	23 19	0 2	22 20	0 9	13 36	0 44	13 9	1 43	20 12	12 38	7 11				

SWISS EPHEMERIS for the year 1960

DECEMBER 1960

00:00 UT

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°42
F 2	4 43 21	9°48'57	26°22	21°45	20° 2	17♁45	7°17	16°14	25♁48	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°R 8	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
M12	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
W14	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
M19	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
W21	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
M26	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
W28	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°31	13°51	19♁28	25♁24	10♁49	8♁ 1	8♁ 5	9♁24	26♁28	28°49

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	21s46	11n45	4s26	16s 4	1n50	24s19	2s13	24n43	2n30	23s18	0s 3	22s19	0n 9	13n36	0n44	13s10	1n43	20n13	12n39	7n18	7n27	17n42	6s48	5n49
F 2	21 55	14 39	4 50	16 32	1 44	24 9	2 14	24 47	2 33	23 17	0 3	22 18	0 9	13 36	0 44	13 10	1 43	20 13	12 39	7 22	7 28	17 41	6 48	5 49
S 3	22 4	16 50	4 59	17 0	1 37	23 58	2 14	24 52	2 36	23 16	0 3	22 18	0 9	13 37	0 44	13 11	1 43	20 13	12 39	7 28	7 29	17 41	6 48	5 48
S 4	22 13	18 14	4 55	17 27	1 30	23 47	2 15	24 56	2 39	23 16	0 3	22 17	0 9	13 37	0 44	13 12	1 43	20 14	12 40	7 33	7 30	17 40	6 48	5 48
M 5	22 21	18 47	4 37	17 54	1 23	23 35	2 15	25 0	2 42	23 15	0 3	22 16	0 9	13 37	0 44	13 12	1 43	20 14	12 40	7 39	7 32	17 40	6 48	5 47
T 6	22 28	18 30	4 7	18 21	1 16	23 23	2 15	25 5	2 45	23 14	0 3	22 16	0 9	13 37	0 44	13 13	1 44	20 14	12 41	7 43	7 33	17 39	6 47	5 47
W 7	22 35	17 24	3 27	18 48	1 9	23 9	2 15	25 9	2 48	23 14	0 3	22 15	0 9	13 37	0 44	13 13	1 44	20 15	12 41	7 47	7 34	17 38	6 47	5 47
T 8	22 42	15 34	2 37	19 14	1 2	22 55	2 15	25 14	2 50	23 13	0 3	22 14	0 9	13 37	0 44	13 14	1 44	20 15	12 42	7 49	7 35	17 38	6 47	5 46
F 9	22 48	13 4	1 41	19 39	0 54	22 41	2 15	25 19	2 53	23 12	0 3	22 13	0 8	13 37	0 44	13 15	1 44	20 16	12 42	7 50	7 36	17 37	6 47	5 46
S 10	22 54	10 0	0 40	20 4	0 47	22 26	2 14	25 23	2 56	23 11	0 3	22 13	0 8	13 38	0 44	13 15	1 44	20 16	12 43	7 51	7 38	17 37	6 46	5 46
S 11	22 59	6 30	0n24	20 28	0 40	22 10	2 14	25 28	2 59	23 11	0 3	22 12	0 8	13 38	0 44	13 16	1 44	20 16	12 43	7 51	7 39	17 36	6 46	5 45
M12	23 4	2 38	1 28	20 51	0 32	21 54	2 13	25 33	3 2	23 10	0 4	22 11	0 8	13 38	0 44	13 16	1 44	20 17	12 43	7 51	7 40	17 36	6 46	5 45
T 13	23 8	1s27	2 30	21 13	0 25	21 37	2 13	25 38	3 4	23 9	0 4	22 10	0 8	13 38	0 44	13 17	1 44	20 17	12 44	7 52	7 41	17 35	6 45	5 44
W14	23 12	5 36	3 26	21 35	0 18	21 19	2 12	25 43	3 7	23 8	0 4	22 10	0 8	13 39	0 44	13 17	1 44	20 18	12 44	7 53	7 42	17 35	6 45	5 44
T 15	23 15	9 37	4 12	21 55	0 10	21 1	2 11	25 47	3 10	23 7	0 4	22 9	0 8	13 39	0 44	13 18	1 44	20 18	12 45	7 55	7 44	17 34	6 45	5 44
F 16	23 18	13 14	4 45	22 15	0 3	20 42	2 10	25 52	3 12	23 6	0 4	22 8	0 8	13 39	0 45	13 18	1 44	20 19	12 45	7 58	7 45	17 34	6 44	5 43
S 17	23 21	16 10	5 1	22 33	0s 4	20 23	2 9	25 57	3 15	23 5	0 4	22 7	0 8	13 39	0 45	13 19	1 44	20 19	12 46	8 2	7 46	17 33	6 44	5 43
S 18	23 23	18 7	4 57	22 50	0 11	20 3	2 8	26 1	3 17	23 4	0 4	22 6	0 8	13 40	0 45	13 19	1 44	20 20	12 46	8 7	7 47	17 32	6 43	5 43
M19	23 25	18 49	4 32	23 7	0 18	19 43	2 7	26 6	3 19	23 3	0 4	22 6	0 8	13 40	0 45	13 20	1 44	20 20	12 47	8 11	7 48	17 32	6 43	5 42
T 20	23 26	18 11	3 48	23 22	0 24	19 22	2 5	26 10	3 22	23 2	0 4	22 5	0 8	13 40	0 45	13 20	1 44	20 21	12 47	8 14	7 50	17 31	6 42	5 42
W21	23 26	16 16	2 48	23 36	0 31	19 1	2 4	26 15	3 24	23 1	0 4	22 4	0 8	13 41	0 45	13 21	1 44	20 21	12 48	8 17	7 51	17 31	6 42	5 42
T 22	23 27	13 18	1 38	23 48	0 38	18 40	2 2	26 19	3 26	23 0	0 5	22 3	0 7	13 41	0 45	13 21	1 44	20 22	12 48	8 18	7 52	17 30	6 41	5 41
F 23	23 26	9 34	0 23	24 0	0 44	18 17	2 0	26 23	3 28	22 59	0 5	22 2	0 7	13 42	0 45	13 22	1 44	20 22	12 48	8 19	7 53	17 30	6 41	5 41
S 24	23 25	5 24	0s51	24 10	0 50	17 55	1 59	26 27	3 30	22 57	0 5	22 1	0 7	13 42	0 45	13 22	1 44	20 23	12 49	8 19	7 54	17 29	6 40	5 41
S 25	23 24	1 5	0 24	24 20	0 56	17 32	1 57	26 31	3 32	22 56	0 5	22 0	0 7	13 43	0 45	13 22	1 44	20 23	12 49	8 18	7 56	17 28	6 39	5 40
M26	23 22	3n11	3 2	24 27	1 2	17 8	1 54	26 35	3 34	22 55	0 5	22 0	0 7	13 43	0 45	13 23	1 44	20 24	12 50	8 19	7 57	17 28	6 39	5 40
T 27	23 20	7 12	3 52	24 34	1 8	16 44	1 52	26 38	3 35	22 54	0 5	21 59	0 7	13 44	0 45	13 23	1 44	20 25	12 50	8 20	7 58	17 27	6 38	5 40
W28	23 18	10 48	4 29	24 39	1 13	16 20	1 50	26 42	3 37	22 52	0 5	21 58	0 7	13 44	0 45	13 24	1 44	20 25	12 51	8 21	7 59	17 27	6 37	5 39
T 29	23 14	13 52	4 53	24 43	1 18																			