

SWISS EPHEMERIS for the year 1980

JANUARY 1980

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♁	♆	♇	♈	♉	♊	♋	♌	♍
T 1	6 39 15	9°34'25.4	23°11' 9	27°57' 15	11°22' 24	13°00' 58	10°R 12	26°00' 59	24°00' 3	20°57' 55	21°00' 36	0°R 28	1°00' 54	19°00' 26	9°R 18		
W 2	6 43 11	10°44'02	6°05' 15	29°29' 15	12°38' 14	14° 8	10°R 11	27° 0	24° 6	20°58	21°37	0°R 19	1°51	19°32	9°R 17		
T 3	6 47 8	11°45'10	1°00' 15	1° 1	13°52	14°18	10° 9	27° 0	21° 0	21°38	0°11	1°47	19°39	9°16			
F 4	6 51 5	12°46'18	1°00' 40	2°34	15° 6	14°27	10° 8	27° 1	24°11	21° 2	21°39	0° 5	1°44	19°46	9°15		
S 5	6 55 1	13°47'27	14° 0	4° 7	16°19	14°35	10° 6	27° 1	24°14	21° 4	21°40	0° 1	1°41	19°52	9°14		
S 6	6 58 58	14°48'35	26° 6	5°40	17°33	14°42	10° 4	27° 1	24°17	21° 6	21°40	29°D 59	1°38	19°59	9°13		
M 7	7 2 54	15°49'43	8°00' 2	7°13	18°47	14°49	10° 2	27°R 1	24°19	21° 8	21°41	0° 0	1°35	20° 5	9°12		
T 8	7 6 51	16°50'52	19°52	8°47	20° 1	14°56	10° 0	27° 1	24°22	21°10	21°42	0° 1	1°32	20°12	9°12		
W 9	7 10 47	17°52'00	1°00' 39	10°22	21°14	15° 1	9°57	27° 1	24°25	21°12	21°42	0° 3	1°28	20°19	9°11		
T 10	7 14 44	18°53'09	13°30	11°57	22°28	15° 6	9°55	27° 1	24°27	21°14	21°43	0°R 4	1°25	20°25	9°10		
F 11	7 18 40	19°54'18	25°29	13°32	23°42	15°10	9°52	27° 0	24°30	21°16	21°43	0° 4	1°22	20°32	9°10		
S 12	7 22 37	20°55'26	7°00' 42	15° 8	24°55	15°14	9°49	27° 0	24°32	21°19	21°44	0° 3	1°19	20°39	9° 9		
S 13	7 26 34	21°56'35	20°13	16°44	26° 9	15°17	9°46	26°59	24°35	21°21	21°44	29°D 59	1°16	20°45	9° 9		
M14	7 30 30	22°57'44	3°00' 6	18°20	27°22	15°19	9°42	26°58	24°37	21°23	21°44	29°54	1°12	20°52	9° 9		
T 15	7 34 27	23°58'52	16°23	19°57	28°36	15°20	9°39	26°58	24°39	21°25	21°45	29°49	1° 9	20°59	9° 8		
W16	7 38 23	25° 0'00	0°00' 5	21°35	29°49	15°R 21	9°35	26°57	24°42	21°27	21°45	29°42	1° 6	21° 5	9° 8		
T 17	7 42 20	26° 1'08	14° 9	23°13	1° 2	15°21	9°31	26°56	24°44	21°28	21°45	29°37	1° 3	21°12	9° 8		
F 18	7 46 16	27° 2'16	28°32	24°51	2°16	15°20	9°27	26°54	24°46	21°30	21°46	29°33	1° 0	21°19	9° 8		
S 19	7 50 13	28° 3'23	13°00' 8	26°30	3°29	15°18	9°22	26°53	24°48	21°32	21°46	29°30	0°57	21°25	9°D 8		
S 20	7 54 9	29° 4'29	27°50	28°10	4°42	15°15	9°18	26°52	24°51	21°34	21°46	29°D 29	0°53	21°32	9° 8		
M21	7 58 6	0°00' 5'34	12°00' 30	29°50	5°55	15°12	9°13	26°50	24°53	21°36	21°46	29°30	0°50	21°39	9° 8		
T 22	8 2 3	1° 6'39	27° 4	1°00' 31	7° 8	15° 8	9° 9	26°49	24°55	21°38	21°46	29°31	0°47	21°45	9° 8		
W23	8 5 59	2° 7'42	11°00' 27	3°12	8°21	15° 3	9° 4	26°47	24°57	21°40	21°46	29°32	0°44	21°52	9° 8		
T 24	8 9 56	3° 8'45	25°37	4°54	9°34	14°57	8°58	26°45	24°59	21°42	21°47	29°34	0°41	21°59	9° 8		
F 25	8 13 52	4° 9'47	9°00' 31	6°37	10°47	14°51	8°53	26°44	25° 1	21°43	21°R 47	29°R 34	0°38	22° 5	9° 9		
S 26	8 17 49	5°10'47	23°10	8°20	12° 0	14°44	8°48	26°42	25° 2	21°45	21°47	29°32	0°34	22°12	9° 9		
S 27	8 21 45	6°11'46	6°00' 34	10° 3	13°12	14°36	8°42	26°39	25° 4	21°47	21°46	29°30	0°31	22°19	9°10		
M28	8 25 42	7°12'45	19°44	11°47	14°25	14°27	8°36	26°37	25° 6	21°49	21°46	29°27	0°28	22°25	9°10		
T 29	8 29 38	8°13'42	2°00' 39	13°32	15°37	14°17	8°31	26°35	25° 8	21°50	21°46	29°24	0°25	22°32	9°11		
W30	8 33 35	9°14'38	15°22	15°17	16°50	14° 7	8°25	26°33	25° 9	21°52	21°46	29°20	0°22	22°39	9°11		
T 31	8 37 32	10°15'33	27°00' 52	17°00' 3	18°00' 2	13°00' 56	8°00' 18	26°00' 30	25°00' 11	21°00' 54	21°00' 46	29°00' 18	0°00' 18	22°00' 45	9°00' 12		

Day	☉		☽		♀		♂		♃		♄		♅		♁		♆		♇					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
T 1	23s 5	18n33	4s43	24s 0	0s35	19s 6	1s48	9n12	3n 8	8n47	1n 8	3n11	2n10	18s31	0n17	21s47	1n20	7n24	17n 2	11n18	10n48	5n37	13n 4	1s37
W 2	23 0	19 9	4 9	24 8	0 41	18 45	1 48	9 9	3 10	8 48	1 8	3 11	2 10	18 31	0 17	21 48	1 20	7 24	17 2	11 22	10 49	5 35	13 3	1 37
T 3	22 55	18 44	3 22	24 14	0 48	18 23	1 48	9 8	3 12	8 49	1 8	3 11	2 10	18 32	0 17	21 48	1 20	7 24	17 3	11 24	10 50	5 33	13 3	1 37
F 4	22 50	17 24	2 27	24 19	0 54	18 1	1 47	9 6	3 14	8 50	1 8	3 11	2 11	18 33	0 17	21 48	1 20	7 24	17 4	11 27	10 51	5 31	13 3	1 37
S 5	22 44	15 16	1 26	24 22	1 0	17 39	1 47	9 4	3 15	8 50	1 9	3 11	2 11	18 34	0 17	21 48	1 20	7 25	17 4	11 28	10 53	5 30	13 2	1 37
S 6	22 37	12 29	0 21	24 25	1 5	17 16	1 46	9 3	3 17	8 51	1 9	3 11	2 11	18 34	0 17	21 48	1 20	7 25	17 5	11 28	10 54	5 28	13 2	1 37
M 7	22 30	9 14	0n44	24 26	1 11	16 52	1 46	9 2	3 19	8 52	1 9	3 12	2 11	18 35	0 17	21 48	1 20	7 25	17 5	11 28	10 55	5 26	13 2	1 37
T 8	22 23	5 38	1 46	24 25	1 16	16 28	1 45	9 2	3 21	8 54	1 10	3 12	2 12	18 35	0 17	21 48	1 21	7 26	17 6	11 28	10 56	5 24	13 2	1 37
W 9	22 15	1 51	2 44	24 23	1 22	16 4	1 44	9 1	3 23	8 55	1 10	3 12	2 12	18 36	0 17	21 49	1 21	7 26	17 7	11 27	10 57	5 22	13 1	1 37
T 10	22 7	2s 2	3 35	24 20	1 26	15 39	1 43	9 1	3 25	8 56	1 10	3 13	2 12	18 37	0 17	21 49	1 21	7 26	17 7	11 27	10 58	5 20	13 1	1 37
F 11	21 58	5 52	4 17	24 16	1 31	15 14	1 43	9 2	3 27	8 57	1 10	3 13	2 12	18 37	0 17	21 49	1 21	7 27	17 8	11 27	10 59	5 18	13 1	1 37
S 12	21 49	9 32	4 48	24 10	1 36	14 49	1 42	9 2	3 29	8 59	1 11	3 13	2 13	18 38	0 17	21 49	1 21	7 27	17 8	11 27	11 0	5 17	13 1	1 37
S 13	21 39	12 52	5 7	24 3	1 40	14 23	1 40	9 3	3 31	9 0	1 11	3 14	2 13	18 39	0 17	21 49	1 21	7 27	17 9	11 29	11 2	5 15	13 1	1 37
M14	21 29	15 41	5 11	23 54	1 44	13 56	1 39	9 4	3 33	9 2	1 11	3 15	2 13	18 39	0 17	21 49	1 21	7 28	17 9	11 30	11 3	5 13	13 1	1 37
T 15	21 19	17 47	4 59	23 43	1 47	13 30	1 38	9 5	3 35	9 3	1 11	3 15	2 14	18 40	0 17	21 49	1 21	7 28	17 10	11 32	11 4	5 11	13 1	1 37
W16	21 8	18 57	4 29	23 32	1 51	13 3	1 37	9 7	3 37	9 5	1 12	3 16	2 14	18 40	0 17	21 49	1 21	7 29	17 11	11 34	11 5	5 9	13 1	1 37
T 17	20 57	19 0	3 43	23 19	1 54	12 35	1 35	9 8	3 39	9 7	1 12	3 16	2 14	18 41	0 17	21 49	1 21	7 29	17 11	11 36	11 6	5 7	13 1	1 37
F 18	20 45	17 49	2 41	23 4	1 56	12 8	1 34	9 11	3 41	9 8	1 12	3 17	2 14	18 41	0 17	21 50	1 21	7 29	17 12	11 38	11 7	5 5	13 1	1 37
S 19	20 33	15 28	1 28	22 48	1 59	11 40	1 32	9 13	3 43	9 10	1 12	3 18	2 15	18 42	0 17	21 50	1 21	7 30	17 12	11 39	11 8	5 4	13 1	1 37
S 20	20 21	12 5	0 9	22 30	2 1	11 11	1 30	9 16	3 45	9 12	1 13	3 19	2 15	18 42	0 17	21 50	1 21	7 30	17 13	11 39	11 9	5 2	13 1	1 37
M21	20 8	7 58	1s11	22 11	2 2	10 43	1 28	9 19	3 47	9 14	1 13	3 19	2 15	18 43	0 17	21 50	1 21	7 31	17 14	11 39	11 11	5 0	13 1	1 37
T 22	19 55	3 24	2 26	21 50	2 4	10 14	1 27	9 22	3 49	9 16	1 13	3 20	2 15	18 43	0 17	21 50	1 21	7 31	17 14	11 39	11 12	4 58	13 1	1 37
W23	19 41	1n18	3 31	21 28	2 5	9 45	1 25	9 26	3 51	9 18	1 13	3 21	2 16	18 44	0 17	21 50	1 21	7 32	17 15	11 38	11 13	4 56	13 1	1 37
T 24	19 27	5 50	4 21	21 4	2 5	9 16	1 23	9 30	3 52	9 20	1 14	3 22	2 16	18 44	0 17	21 50	1 21	7 32	17 15	11 38	11 14	4 54	13 1	1 37
F 25	19 13	9 59	4 56	20 38	2 5	8 46	1 21	9 34	3 54	9 23	1 14	3 23	2 16	18 45	0 17	21 50	1 21	7 33	17 16	11 38	11 15	4 52	13 1	1 37
S 26	18 58	13 31	5 13	20 11	2 5	8 16	1 18	9 38	3 56	9 25	1 14	3 24	2 17	18 45	0 17	21 50	1 21	7 33	17 16	11 38	11 16	4 50	13 1	1 37
S 27	18 43	16 16	5 12	19 43	2 4	7 46	1 16	9 43	3 58	9 27	1 14	3 25	2 17	18 46	0 17	21 50	1 21	7 34	17 17	11 39	11 17	4 49	13 1	1 37
M28	18 28	18 8	4 55	19 13	2 3	7 16	1 14	9 48	4 0	9 30	1 14	3 26	2 17	18 46	0 17	21 50	1 21	7 35	17 18	11				

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	8 41 28	11°16'27"	10°11'	18°48'	19°14'	13°R44	8°R12	26°R28	25°M12	21°A55	21°R46	29°R16	0°M15	22°M52	9°R13		
S 2	8 45 25	12°17'20"	22°19'	20°34'	20°27'	13°M31	8°M6	26°M25	25°14'	21°57'	21°A45	29°L15	0°12'	22°58'	9°13'		
S 3	8 49 21	13°18'12"	4°M18	22°21'	21°39'	13°17'	7°59'	26°22'	25°15'	21°59'	21°45'	29°D14	0°9'	23°5'	9°14'		
M 4	8 53 18	14°19'03"	16°11'	24°7'	22°51'	13°3'	7°53'	26°19'	25°17'	22°0'	21°45'	29°15'	0°6'	23°12'	9°15'		
T 5	8 57 14	15°19'53"	28°0'	25°53'	24°3'	12°48'	7°46'	26°16'	25°18'	22°2'	21°44'	29°16'	0°3'	23°18'	9°16'		
W 6	9 1 11	16°20'41"	9°A48	27°39'	25°15'	12°33'	7°39'	26°13'	25°19'	22°3'	21°44'	29°18'	29°L59	23°25'	9°17'		
T 7	9 5 7	17°21'29"	21°39'	29°25'	26°26'	12°16'	7°32'	26°10'	25°21'	22°5'	21°43'	29°19'	29°56'	23°32'	9°18'		
F 8	9 9 4	18°22'16"	3°M38	1°X9	27°38'	11°59'	7°25'	26°7'	25°22'	22°6'	21°43'	29°20'	29°53'	23°38'	9°20'		
S 9	9 13 1	19°23'02"	15°48'	2°53'	28°50'	11°41'	7°18'	26°4'	25°23'	22°8'	21°42'	29°R20	29°50'	23°45'	9°21'		
S 10	9 16 57	20°23'47"	28°15'	4°35'	0°Y1	11°23'	7°11'	26°1'	25°24'	22°9'	21°42'	29°20'	29°47'	23°52'	9°22'		
M11	9 20 54	21°24'31"	11°A3	6°16'	1°12'	11°4'	7°3'	25°57'	25°25'	22°10'	21°41'	29°20'	29°44'	23°58'	9°23'		
T 12	9 24 50	22°25'14"	24°15'	7°54'	2°24'	10°44'	6°56'	25°54'	25°26'	22°12'	21°41'	29°19'	29°40'	24°5'	9°25'		
W13	9 28 47	23°25'56"	7°S54	9°30'	3°35'	10°24'	6°49'	25°50'	25°27'	22°13'	21°40'	29°18'	29°37'	24°12'	9°26'		
T 14	9 32 43	24°26'37"	22°0'	11°2'	4°46'	10°4'	6°41'	25°47'	25°28'	22°14'	21°39'	29°18'	29°34'	24°18'	9°28'		
F 15	9 36 40	25°27'17"	6°A30	12°31'	5°57'	9°42'	6°33'	25°43'	25°29'	22°16'	21°39'	29°17'	29°31'	24°25'	9°29'		
S 16	9 40 36	26°27'55"	21°19'	13°55'	7°8'	9°21'	6°26'	25°39'	25°29'	22°17'	21°38'	29°17'	29°28'	24°32'	9°31'		
S 17	9 44 33	27°28'31"	6°X20	15°14'	8°18'	8°59'	6°18'	25°35'	25°30'	22°18'	21°37'	29°D17	29°24'	24°38'	9°32'		
M18	9 48 30	28°29'06"	21°25'	16°28'	9°29'	8°36'	6°10'	25°31'	25°31'	22°19'	21°36'	29°17'	29°21'	24°45'	9°34'		
T 19	9 52 26	29°29'40"	6°Y24	17°34'	10°39'	8°13'	6°3'	25°27'	25°31'	22°20'	21°35'	29°R17	29°18'	24°52'	9°36'		
W20	9 56 23	0°X30'11"	21°11'	18°34'	11°50'	7°50'	5°55'	25°23'	25°32'	22°22'	21°35'	29°17'	29°15'	24°58'	9°38'		
T 21	10 0 19	1°30'41"	5°B38	19°26'	13°0'	7°27'	5°47'	25°19'	25°32'	22°23'	21°34'	29°17'	29°12'	25°5'	9°40'		
F 22	10 4 16	2°31'09"	19°43'	20°10'	14°10'	7°4'	5°39'	25°15'	25°33'	22°24'	21°33'	29°17'	29°9'	25°12'	9°42'		
S 23	10 8 12	3°31'35"	3°II24	20°44'	15°20'	6°40'	5°31'	25°11'	25°33'	22°25'	21°32'	29°D16	29°5'	25°18'	9°44'		
S 24	10 12 9	4°32'00"	16°43'	21°9'	16°30'	6°16'	5°23'	25°7'	25°33'	22°26'	21°31'	29°17'	29°2'	25°25'	9°46'		
M25	10 16 5	5°32'22"	29°42'	21°25'	17°39'	5°52'	5°15'	25°2'	25°34'	22°27'	21°30'	29°17'	28°59'	25°32'	9°48'		
T 26	10 20 2	6°32'42"	12°C22	21°R30	18°49'	5°29'	5°7'	24°58'	25°34'	22°28'	21°29'	29°18'	28°56'	25°38'	9°50'		
W27	10 23 58	7°33'01"	24°48'	21°26'	19°58'	5°5'	5°0'	24°54'	25°34'	22°29'	21°28'	29°19'	28°53'	25°45'	9°52'		
T 28	10 27 55	8°33'17"	7°L1	21°12'	21°7'	4°41'	4°52'	24°49'	25°34'	22°29'	21°27'	29°19'	28°49'	25°52'	9°54'		
F 29	10 31 52	9°X33'32"	19°L6	20°X49	22°Y16	4°M17	4°M44	24°M45	25°R34	22°A30	21°A26	29°L20	28°L46	25°M58	9°S57		

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	17s24	16n 2	1s44	16s58	1s53	5s14	1s 3	10n11	4n 6	9n39	1n15	3n31	2n18	18s48	0n17	21s51	1n21	7n37
S 2	17 7	13 28	0 38	16 21	1 49	4 43	1 1	10 17	4 8	9 42	1 15	3 32	2 18	18 48	0 17	21 51	1 21	7 38
S 3	16 50	10 22	0n28	15 42	1 44	4 12	0 58	10 24	4 9	9 45	1 16	3 34	2 18	18 48	0 17	21 51	1 21	7 38
M 4	16 32	6 52	1 33	15 2	1 39	3 41	0 55	10 31	4 11	9 47	1 16	3 35	2 19	18 49	0 17	21 51	1 21	7 39
T 5	16 14	3 8	2 33	14 21	1 33	3 10	0 52	10 38	4 12	9 50	1 16	3 36	2 19	18 49	0 17	21 51	1 21	7 39
W 6	15 56	0s43	3 27	13 38	1 26	2 38	0 49	10 45	4 13	9 53	1 16	3 38	2 19	18 49	0 17	21 51	1 21	7 40
T 7	15 38	4 33	4 12	12 55	1 19	2 7	0 46	10 53	4 15	9 55	1 16	3 39	2 19	18 49	0 17	21 51	1 21	7 41
F 8	15 19	8 14	4 46	12 11	1 11	1 36	0 43	11 0	4 16	9 58	1 17	3 41	2 20	18 50	0 17	21 51	1 21	7 41
S 9	15 0	11 38	5 9	11 25	1 3	1 4	0 39	11 8	4 17	10 1	1 17	3 42	2 20	18 50	0 17	21 51	1 21	7 42
S 10	14 41	14 36	5 18	10 39	0 53	0 33	0 36	11 16	4 18	10 4	1 17	3 44	2 20	18 50	0 17	21 51	1 21	7 43
M11	14 22	16 58	5 11	9 53	0 43	0 1	0 33	11 24	4 19	10 7	1 17	3 45	2 20	18 51	0 17	21 51	1 21	7 44
T 12	14 2	18 31	4 48	9 6	0 32	0n30	0 29	11 33	4 20	10 10	1 17	3 47	2 20	18 51	0 17	21 51	1 21	7 44
W13	13 43	19 4	4 9	8 20	0 21	1 2	0 26	11 41	4 20	10 13	1 17	3 48	2 21	18 51	0 17	21 51	1 21	7 45
T 14	13 22	18 28	3 13	7 33	0 8	1 33	0 22	11 49	4 21	10 15	1 17	3 50	2 21	18 51	0 17	21 51	1 21	7 46
F 15	13 2	16 39	2 3	6 48	0n 4	2 5	0 18	11 58	4 22	10 18	1 18	3 52	2 21	18 51	0 17	21 52	1 21	7 46
S 16	12 42	13 42	0 44	6 3	0 18	2 36	0 15	12 7	4 22	10 21	1 18	3 53	2 21	18 52	0 17	21 52	1 21	7 47
S 17	12 21	9 48	0s39	5 19	0 32	3 8	0 11	12 15	4 23	10 24	1 18	3 55	2 21	18 52	0 17	21 52	1 21	7 48
M18	12 0	5 15	2 0	4 38	0 47	3 39	0 7	12 24	4 23	10 27	1 18	3 57	2 22	18 52	0 17	21 52	1 22	7 49
T 19	11 39	0 24	3 12	3 58	1 2	4 10	0 3	12 33	4 23	10 30	1 18	3 59	2 22	18 52	0 17	21 52	1 22	7 49
W20	11 18	4n23	4 11	3 21	1 17	4 41	0n 1	12 42	4 23	10 33	1 18	4 0	2 22	18 52	0 17	21 52	1 22	7 50
T 21	10 56	8 49	4 51	2 46	1 32	5 12	0 5	12 51	4 23	10 36	1 18	4 2	2 22	18 52	0 17	21 52	1 22	7 51
F 22	10 35	12 38	5 14	2 15	1 48	5 43	0 9	12 59	4 23	10 39	1 18	4 4	2 22	18 52	0 17	21 52	1 22	7 52
S 23	10 13	15 39	5 17	1 47	2 3	6 14	0 13	13 8	4 23	10 42	1 18	4 6	2 22	18 52	0 17	21 52	1 22	7 52
S 24	9 51	17 45	5 3	1 24	2 18	6 45	0 17	13 17	4 23	10 45	1 19	4 8	2 23	18 52	0 17	21 52	1 22	7 53
M25	9 29	18 52	4 34	1 5	2 32	7 15	0 21	13 25	4 22	10 48	1 19	4 9	2 23	18 52	0 17	21 52	1 22	7 54
T 26	9 7	19 0	3 53	0 50	2 45	7 46	0 25	13 33	4 22	10 51	1 19	4 11	2 23	18 53	0 17	21 52	1 22	7 55
W27	8 44	18 13	3 0	0 40	2 58	8 16	0 30	13 42	4 21	10 54	1 19	4 13	2 23	18 53	0 17	21 52	1 22	7 56
T 28	8 22	16 34	2 1	0 35	3 9	8 46	0 34	13 50	4 20	10 57	1 19	4 15	2 23	18 53	0 17	21 52	1 22	7 56
F 29	7s59	14n12	0s57	0s35	3n19	9n16	0n38	13n58	4n19	11n 0	1n19	4n17	2n23	18s53	0n17	21s52	1n22	7n57

Julian Day Number = 2444270.5, Delta T = 50.61 sec
 Ecliptic obliquity = 23°26'23", Nutation = - 0°00'07"
 Ayanamsha: Fagan/Bradley = 24°27'44", Lahiri = 23°34'44"

SWISS EPHEMERIS for the year 1980

MARCH 1980

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♃	♄	♅	♆	♇	♈	♉	♊	♋	♌	♍
S 1	10 35 48	10 ^h 33'44"	1 ^h 3	20°R17	23°V25	3°R54	4°R36	24°R40	25°R34	22°V31	21°R24	29°R20	28°Ω43	26°η 5	9°δ59		
S 2	10 39 45	11°33'55"	12°55'	19 ^h 37	24°34'	3 ^h 31	4 ^h 28	24 ^h 36	25 ^h 34	22°32'	21 ^h 23	29 ^h 20	28°40'	26°12'	10° 1'		
M 3	10 43 41	12°34'04"	24°45'	18°51'	25°42'	3° 8'	4°21'	24°31'	25°34'	22°33'	21°22'	29°19'	28°37'	26°18'	10° 4'		
T 4	10 47 38	13°34'11"	6 ^h 24	17°59'	26°51'	2°45'	4°13'	24°26'	25°34'	22°33'	21°21'	29°17'	28°34'	26°25'	10° 6'		
W 5	10 51 34	14°34'17"	18°24'	17° 2'	27°59'	2°22'	4° 5'	24°22'	25°34'	22°34'	21°20'	29°15'	28°30'	26°32'	10° 9'		
T 6	10 55 31	15°34'21"	0 ^h 19	16° 3'	29° 7'	2° 0'	3°58'	24°17'	25°33'	22°35'	21°18'	29°12'	28°27'	26°38'	10°11'		
F 7	10 59 27	16°34'23"	12°20'	15° 2'	0 ^h 14	1°39'	3°50'	24°12'	25°33'	22°35'	21°17'	29° 9'	28°24'	26°45'	10°14'		
S 8	11 3 24	17°34'23"	24°31'	14° 1'	1°22'	1°17'	3°42'	24° 8'	25°33'	22°36'	21°16'	29° 7'	28°21'	26°52'	10°16'		
S 9	11 7 21	18°34'22"	6 ^h 57	13° 2'	2°29'	0°57'	3°35'	24° 3'	25°32'	22°36'	21°14'	29° 6'	28°18'	26°58'	10°19'		
M10	11 11 17	19°34'20"	19°40'	12° 5'	3°36'	0°36'	3°28'	23°58'	25°32'	22°37'	21°13'	29°D 5'	28°15'	27° 5'	10°22'		
T 11	11 15 14	20°34'15"	2 ^h 34	11°11'	4°43'	0°17'	3°20'	23°54'	25°31'	22°37'	21°12'	29° 6'	28°11'	27°12'	10°25'		
W12	11 19 10	21°34'10"	16°13'	10°23'	5°50'	29°Ω57	3°13'	23°49'	25°31'	22°38'	21°10'	29° 7'	28° 8'	27°18'	10°27'		
T 13	11 23 7	22°34'02"	0 ^h 9	9°39'	6°57'	29°39'	3° 6'	23°44'	25°30'	22°38'	21° 9'	29° 9'	28° 5'	27°25'	10°30'		
F 14	11 27 3	23°33'53"	14°31'	9° 1'	8° 3'	29°21'	2°59'	23°39'	25°29'	22°39'	21° 7'	29°10'	28° 2'	27°32'	10°33'		
S 15	11 31 0	24°33'42"	29°16'	8°29'	9° 9'	29° 4'	2°52'	23°35'	25°28'	22°39'	21° 6'	29°R10	27°59'	27°38'	10°36'		
S 16	11 34 56	25°33'29"	14 ^h 20	8° 4'	10°15'	28°47'	2°45'	23°30'	25°28'	22°39'	21° 5'	29°10'	27°55'	27°45'	10°39'		
M17	11 38 53	26°33'14"	29°34'	7°45'	11°21'	28°31'	2°39'	23°25'	25°27'	22°40'	21° 3'	29° 8'	27°52'	27°52'	10°42'		
T 18	11 42 50	27°32'57"	14 ^h 48	7°32'	12°26'	28°16'	2°32'	23°20'	25°26'	22°40'	21° 2'	29° 4'	27°49'	27°58'	10°45'		
W19	11 46 46	28°32'38"	29°52'	7°25'	13°31'	28° 1'	2°26'	23°16'	25°25'	22°40'	21° 0'	29° 0'	27°46'	28° 5'	10°48'		
T 20	11 50 43	29°32'16"	14 ^h 37	7°D25	14°36'	27°47'	2°19'	23°11'	25°24'	22°40'	20°58'	28°56'	27°43'	28°11'	10°51'		
F 21	11 54 39	0 ^h 31'53"	28°57'	7°30'	15°40'	27°34'	2°13'	23° 6'	25°23'	22°40'	20°57'	28°52'	27°40'	28°18'	10°54'		
S 22	11 58 36	1°31'27"	12 ^h 49	7°41'	16°45'	27°22'	2° 7'	23° 2'	25°22'	22°40'	20°55'	28°49'	27°36'	28°25'	10°58'		
S 23	12 2 32	2°30'59"	26°13'	7°58'	17°49'	27°11'	2° 1'	22°57'	25°21'	22°41'	20°54'	28°48'	27°33'	28°31'	11° 1'		
M24	12 6 29	3°30'29"	9°21	8°19'	18°52'	27° 0'	1°55'	22°52'	25°19'	22°41'	20°52'	28°D48	27°30'	28°38'	11° 4'		
T 25	12 10 25	4°29'57"	21°47'	8°45'	19°56'	26°50'	1°49'	22°48'	25°18'	22°R41	20°51'	28°49'	27°27'	28°45'	11° 7'		
W26	12 14 22	5°29'22"	4 ^h 5	9°16'	20°59'	26°41'	1°44'	22°43'	25°17'	22°41'	20°49'	28°50'	27°24'	28°51'	11°11'		
T 27	12 18 19	6°28'44"	16°10'	9°51'	22° 2'	26°33'	1°38'	22°39'	25°16'	22°40'	20°47'	28°52'	27°21'	28°58'	11°14'		
F 28	12 22 15	7°28'05"	28° 5'	10°30'	23° 4'	26°25'	1°33'	22°34'	25°14'	22°40'	20°46'	28°R53	27°17'	29° 5'	11°17'		
S 29	12 26 12	8°27'23"	9 ^h 56	11°13'	24° 6'	26°18'	1°28'	22°30'	25°13'	22°40'	20°44'	28°52'	27°14'	29°11'	11°21'		
S 30	12 30 8	9°26'39"	21°44'	11°59'	25° 8'	26°13'	1°23'	22°25'	25°11'	22°40'	20°43'	28°49'	27°11'	29°18'	11°24'		
MB1	12 34 5	10 ^h 25'53"	3 ^h 22	12 ^h 49	26 ^h 8	26°Ω 7	1 ^h 18	22 ^h 21	25 ^h 10	22 ^h 40	20 ^h 41	28 ^h 45	27°Ω 8	29 ^h 25	11 ^h 28		

Day	☉			☽			♀		♂		♃		♄		♅		♆		♇		♈		♉		♊		♋		♌		♍	
	decl	decl	lat	decl	lat	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	7s36	11n15	0n10	0s40	3n28	9n45	0n42	14n 5	4n19	11n 3	1n19	4n19	2n23	18s53	0n17	21s52	1n22	7n58	17n34	11n42	11n55	3n44	13n17	1s36								
S 2	7 14	7 51	1 15	0 50	3 34	10 15	0 47	14 13	4 18	11 6	1 19	4 21	2 24	18 53	0 17	21 52	1 22	7 59	17 35	11 42	11 56	3 42	13 18	1 36								
M 3	6 51	4 10	2 16	1 4	3 39	10 44	0 51	14 20	4 16	11 9	1 19	4 23	2 24	18 53	0 17	21 52	1 22	7 59	17 35	11 43	11 57	3 40	13 19	1 36								
T 4	6 28	0 20	3 12	1 22	3 41	11 13	0 56	14 28	4 15	11 12	1 19	4 25	2 24	18 52	0 17	21 52	1 22	8 0	17 35	11 43	11 59	3 38	13 19	1 36								
W 5	6 4	3s31	4 0	1 43	3 41	11 41	1 0	14 34	4 14	11 14	1 19	4 26	2 24	18 52	0 17	21 52	1 22	8 1	17 36	11 44	12 0	3 36	13 20	1 36								
T 6	5 41	7 15	4 37	2 8	3 40	12 10	1 5	14 41	4 12	11 17	1 19	4 28	2 24	18 52	0 17	21 52	1 22	8 2	17 36	11 45	12 1	3 34	13 21	1 36								
F 7	5 18	10 44	5 2	2 35	3 36	12 38	1 9	14 48	4 11	11 20	1 19	4 30	2 24	18 52	0 17	21 52	1 22	8 3	17 37	11 46	12 2	3 32	13 22	1 36								
S 8	4 55	13 48	5 15	3 4	3 30	13 6	1 14	14 54	4 11	11 23	1 19	4 32	2 24	18 52	0 17	21 52	1 22	8 4	17 37	11 47	12 3	3 30	13 23	1 36								
S 9	4 31	16 20	5 13	3 33	3 22	13 34	1 18	15 0	4 8	11 25	1 19	4 34	2 24	18 52	0 17	21 52	1 22	8 4	17 37	11 47	12 4	3 28	13 23	1 36								
M10	4 8	18 7	4 56	4 4	3 13	14 1	1 23	15 5	4 6	11 28	1 19	4 36	2 24	18 52	0 17	21 52	1 22	8 5	17 38	11 47	12 5	3 27	13 24	1 36								
T 11	3 44	19 2	4 23	4 34	3 2	14 28	1 27	15 11	4 4	11 31	1 19	4 38	2 24	18 52	0 17	21 52	1 22	8 6	17 38	11 47	12 6	3 25	13 25	1 36								
W12	3 21	18 54	3 35	5 3	2 50	14 55	1 32	15 16	4 2	11 33	1 19	4 40	2 24	18 52	0 17	21 52	1 22	8 7	17 38	11 47	12 7	3 23	13 26	1 36								
T 13	2 57	17 37	2 33	5 32	2 37	15 21	1 36	15 21	4 0	11 36	1 19	4 42	2 25	18 51	0 17	21 52	1 22	8 7	17 38	11 46	12 8	3 21	13 27	1 36								
F 14	2 33	15 12	1 20	5 58	2 23	15 47	1 41	15 25	3 58	11 38	1 19	4 44	2 25	18 51	0 17	21 52	1 22	8 8	17 39	11 46	12 10	3 19	13 28	1 36								
S 15	2 10	11 44	0s 1	6 24	2 9	16 13	1 45	15 29	3 56	11 41	1 19	4 46	2 25	18 51	0 17	21 52	1 23	8 9	17 39	11 46	12 11	3 17	13 29	1 36								
S 16	1 46	7 26	1 23	6 47	1 54	16 38	1 50	15 33	3 54	11 43	1 19	4 48	2 25	18 51	0 17	21 52	1 23	8 10	17 39	11 46	12 12	3 15	13 30	1 36								
M17	1 22	2 37	2 39	7 8	1 39	17 3	1 55	15 37	3 52	11 46	1 19	4 50	2 25	18 51	0 17	21 52	1 23	8 10	17 40	11 47	12 13	3 13	13 31	1 36								
T 18	0 58	2n22	3 45	7 26	1 24	17 27	1 59	15 40	3 50	11 48	1 19	4 52	2 25	18 51	0 17	21 52	1 23	8 11	17 40	11 48	12 14	3 11	13 31	1 36								
W19	0 35	7 9	4 34	7 42	1 10	17 52	2 4	15 43	3 47	11 50	1 19	4 54	2 25	18 50	0 17	21 52	1 23	8 12	17 40	11 49	12 15	3 9	13 32	1 36								
T 20	0 11	11 23	5 4	7 56	0 55	18 15	2 8	15 46	3 45	11 53	1 19	4 55	2 25	18 50	0 17	21 52	1 23	8 13	17 40	11 51	12 16	3 7	13 33	1 36								
F 21	0n13	14 50	5 13	8 8	0 41	18 39	2 13	15 48	3 43	11 55	1 19	4 57	2 25	18 50	0 17	21 52	1 23	8 14	17 41	11 52	12 17	3 5	13 34	1 36								
S 22	0 36	17 19	5 4	8 17	0 26	19 2	2 17	15 50	3 40	11 57	1 19	4 59	2 25	18 50	0 17	21 52	1 23	8 14	17 41	11 53	12 18	3 3	13 35	1 36								
S 23	1 0	18 45	4 38	8 23	0 13	19 24	2 21	15 52	3 38	11 59	1 19	5 1	2																			

SWISS EPHEMERIS for the year 1980

APRIL 1980

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	12 38 1	11°25'05	15♁24	13♃42	27♂10	26°R 3	1°R14	22°R16	25°R 8	22°R40	20°R39	28°R38	27♂ 5	29♃31	11♂31
W 2	12 41 58	12°24'15	27°20	14°38	28°11	25°♁59	1♃ 9	22♃12	25♃ 7	22♃39	20♁38	28♂31	27° 1	29°38	11°35
T 3	12 45 54	13°23'23	9♃21	15°37	29°11	25°56	1° 5	22° 8	25° 5	22°39	20°36	28°22	26°58	29°45	11°38
F 4	12 49 51	14°22'29	21°31	16°39	0♃11	25°54	1° 1	22° 4	25° 3	22°39	20°34	28°14	26°55	29°51	11°42
S 5	12 53 47	15°21'33	3♃50	17°43	1°10	25°53	0°57	21°59	25° 2	22°38	20°33	28° 6	26°52	29°58	11°45
S 6	12 57 44	16°20'35	16°20	18°50	2° 9	25°D52	0°53	21°55	25° 0	22°38	20°31	28° 0	26°49	0♁ 5	11°49
M 7	13 1 41	17°19'36	29° 5	19°59	3° 7	25°52	0°49	21°51	24°58	22°38	20°29	27°56	26°46	0°11	11°53
T 8	13 5 37	18°18'34	12♂ 7	21°11	4° 5	25°53	0°46	21°47	24°56	22°37	20°27	27°55	26°42	0°18	11°56
W 9	13 9 34	19°17'31	25°28	22°25	5° 3	25°55	0°42	21°43	24°54	22°37	20°26	27°D55	26°39	0°25	12° 0
T 10	13 13 30	20°16'27	9♁12	23°40	6° 0	25°57	0°39	21°39	24°53	22°36	20°24	27°55	26°36	0°31	12° 4
F 11	13 17 27	21°15'20	23°20	24°58	6°56	26° 0	0°36	21°36	24°51	22°36	20°22	27°R56	26°33	0°38	12° 7
S 12	13 21 23	22°14'12	7♃50	26°18	7°52	26° 4	0°34	21°32	24°49	22°35	20°21	27°56	26°30	0°45	12°11
S 13	13 25 20	23°13'02	22°41	27°40	8°48	26° 8	0°31	21°28	24°47	22°35	20°19	27°54	26°26	0°51	12°15
M14	13 29 16	24°11'50	7♃46	29° 3	9°42	26°13	0°29	21°24	24°45	22°34	20°17	27°49	26°23	0°58	12°18
T 15	13 33 13	25°10'36	22°57	0♃29	10°37	26°19	0°26	21°21	24°43	22°33	20°16	27°42	26°20	1° 5	12°22
W16	13 37 10	26° 9'21	8♂ 3	1°56	11°30	26°25	0°24	21°17	24°41	22°33	20°14	27°33	26°17	1°11	12°26
T 17	13 41 6	27° 8'03	22°54	3°25	12°24	26°32	0°23	21°14	24°38	22°32	20°12	27°24	26°14	1°18	12°30
F 18	13 45 3	28° 6'43	7♃23	4°56	13°16	26°40	0°21	21°11	24°36	22°31	20°11	27°15	26°11	1°25	12°34
S 19	13 48 59	29° 5'22	21°23	6°28	14° 8	26°48	0°19	21° 7	24°34	22°30	20° 9	27° 8	26° 7	1°32	12°37
S 20	13 52 56	0♂ 3'58	4♁54	8° 3	14°59	26°57	0°18	21° 4	24°32	22°29	20° 7	27° 3	26° 4	1°38	12°41
M21	13 56 52	1° 2'31	17°57	9°39	15°49	27° 6	0°17	21° 1	24°30	22°29	20° 6	27° 0	26° 1	1°45	12°45
T 22	14 0 49	2° 1'03	0♂35	11°16	16°39	27°16	0°16	20°58	24°28	22°28	20° 4	27°D 0	25°58	1°52	12°49
W23	14 4 45	2°59'32	12°53	12°56	17°27	27°27	0°16	20°55	24°25	22°27	20° 2	27° 0	25°55	1°58	12°53
T 24	14 8 42	3°58'00	24°56	14°37	18°15	27°38	0°15	20°52	24°23	22°26	20° 1	27°R 0	25°52	2° 5	12°57
F 25	14 12 39	4°56'25	6♃49	16°19	19° 3	27°50	0°15	20°50	24°21	22°25	19°59	27° 0	25°48	2°12	13° 1
S 26	14 16 35	5°54'48	18°37	18° 4	19°49	28° 2	0°D14	20°47	24°18	22°24	19°57	26°58	25°45	2°18	13° 5
S 27	14 20 32	6°53'08	0♁25	19°50	20°34	28°15	0°14	20°45	24°16	22°23	19°56	26°53	25°42	2°25	13° 8
M28	14 24 28	7°51'27	12°16	21°38	21°19	28°28	0°15	20°42	24°14	22°22	19°54	26°46	25°39	2°32	13°12
T 29	14 28 25	8°49'44	24°12	23°28	22° 2	28°42	0°15	20°40	24°11	22°21	19°53	26°36	25°36	2°38	13°16
W30	14 32 21	9♂48'00	6♃16	25°Y19	22♃44	28♂56	0♃16	20♃37	24♃ 9	22♃20	19♁51	26♂24	25♂32	2♁45	13♂20

Day	☉		☽		♀		♂		♃		♄		♅		♆		♇		♁		♂		♁		♃		♄		
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	4n31	2s36	3n45	7s46	1s28	22n27	3n 0	15n54	3n16	12n15	1n18	5n17	2n25	18s46	0n17	21s51	1n23	8n22	17n42	11n57	12n29	2n44	13n45	1s37					
W 2	4 54	6 25	4 24	7 32	1 36	22 45	3 4	15 53	3 13	12 17	1 18	5 19	2 25	18 46	0 17	21 51	1 23	8 22	17 43	12 0	12 30	2 42	13 46	1 37					
T 3	5 17	10 0	4 51	7 16	1 44	23 2	3 8	15 52	3 11	12 18	1 18	5 20	2 25	18 45	0 17	21 51	1 23	8 23	17 43	12 3	12 31	2 40	13 47	1 37					
F 4	5 40	13 13	5 6	6 59	1 51	23 19	3 12	15 50	3 8	12 19	1 18	5 22	2 25	18 45	0 17	21 51	1 23	8 24	17 43	12 5	12 32	2 38	13 49	1 37					
S 5	6 3	15 54	5 6	6 40	1 58	23 35	3 16	15 48	3 6	12 21	1 17	5 23	2 25	18 45	0 17	21 51	1 23	8 24	17 43	12 8	12 34	2 36	13 50	1 37					
S 6	6 26	17 53	4 52	6 20	2 5	23 51	3 19	15 46	3 3	12 22	1 17	5 25	2 24	18 44	0 17	21 51	1 23	8 25	17 43	12 10	12 35	2 34	13 51	1 37					
M 7	6 48	19 2	4 24	5 58	2 10	24 6	3 23	15 44	3 1	12 23	1 17	5 27	2 24	18 44	0 17	21 51	1 23	8 26	17 43	12 11	12 36	2 32	13 52	1 37					
T 8	7 11	19 13	3 41	5 34	2 15	24 21	3 27	15 41	2 58	12 24	1 17	5 28	2 24	18 43	0 17	21 51	1 23	8 26	17 43	12 12	12 37	2 30	13 53	1 37					
W 9	7 33	18 20	2 46	5 9	2 20	24 35	3 30	15 38	2 56	12 25	1 17	5 30	2 24	18 43	0 17	21 51	1 23	8 27	17 43	12 12	12 38	2 28	13 54	1 37					
T 10	7 55	16 22	1 39	4 43	2 24	24 49	3 34	15 35	2 53	12 26	1 17	5 31	2 24	18 42	0 17	21 51	1 24	8 28	17 43	12 12	12 39	2 26	13 55	1 37					
F 11	8 17	13 21	0 25	4 15	2 28	25 2	3 37	15 32	2 37	12 27	1 17	5 32	2 24	18 42	0 17	21 51	1 24	8 28	17 43	12 11	12 40	2 24	13 56	1 37					
S 12	8 39	9 27	0s53	3 46	2 31	25 15	3 40	15 28	2 48	12 28	1 17	5 34	2 24	18 42	0 17	21 50	1 24	8 29	17 43	12 12	12 41	2 22	13 57	1 37					
S 13	9 1	4 52	2 9	3 16	2 33	25 27	3 44	15 25	2 46	12 29	1 16	5 35	2 24	18 41	0 17	21 50	1 24	8 29	17 43	12 12	12 42	2 20	13 58	1 37					
M14	9 23	0n 4	3 17	2 45	2 35	25 38	3 47	15 21	2 44	12 30	1 16	5 37	2 24	18 41	0 17	21 50	1 24	8 30	17 43	12 14	12 43	2 18	13 59	1 37					
T 15	9 45	5 2	4 11	2 12	2 36	25 49	3 50	15 16	2 41	12 30	1 16	5 38	2 24	18 40	0 17	21 50	1 24	8 31	17 43	12 16	12 44	2 16	14 0	1 37					
W16	10 6	9 39	4 48	1 38	2 37	26 0	3 52	15 12	2 39	12 31	1 16	5 39	2 24	18 40	0 17	21 50	1 24	8 31	17 43	12 19	12 45	2 14	14 2	1 37					
T 17	10 27	13 36	5 4	1 3	2 38	26 10	3 55	15 7	2 37	12 31	1 16	5 40	2 23	18 39	0 17	21 50	1 24	8 32	17 43	12 22	12 46	2 12	14 3	1 37					
F 18	10 48	16 36	5 0	0 27	2 37	26 19	3 58	15 3	2 34	12 32	1 16	5 42	2 23	18 39	0 17	21 50	1 24	8 32	17 43	12 25	12 48	2 10	14 4	1 37					
S 19	11 9	18 32	4 38	0n10	2 37	26 28	4 0	14 58	2 32	12 32	1 16	5 43	2 23	18 38	0 17	21 50	1 24	8 33	17 43	12 28	12 49	2 8	14 5	1 37					
S 20	11 30	19 20	4 1	0 49	2 35	26 37	4 3	14 52	2 30	12 32	1 15	5 44	2 23	18 37	0 17	21 50	1 24	8 33	17 43	12 30	12 50	2 6	14 6	1 37					
M21	11 50	19 3	3 13	1 28	2 34	26 44	4 5	14 47	2 27	12 33	1 15	5 45	2 23	18 37	0 17	21 50	1 24	8 34	17 42	12 31	12 51	2 4	14 7	1 37					
T 22	12 10	17 48	2 16	2 8	2 31	26 52	4 7	14 41	2 25	12 33	1 15	5 46	2 23	18 36	0 17	21 50	1 24	8 34	17 42	12 31	12 52	2 2	14 8	1 38					
W23	12 31	15 45	1 15	2 49	2 29	26 59	4 9	14 36	2 23	12 33	1 15	5 47	2 23	18 36	0 17	21 50	1 24	8 35	17 42	12 31	12 53	2 0	14 9	1 38					
T 24	12 50	13 2	0 11	3 32	2 25	27 5	4 11	14 30	2 21	12 33	1 15	5 48	2 23	18 35	0 17	21 50	1 24	8 35	17 42	12 31	12 54	1 58	14 10	1 38					
F 25	13 10	9 49	0n52	4 15	2 21	27 11	4 12	14 24	2 18	12 33	1 15	5 49	2 22	18 35	0 17	21 49	1 24	8 36	17 42	12 31	12 55	1 56	14 11	1 38					
S 26	13 30	6 14	1 52	4 58	2 17	27 16	4 14	14 17	2 16	12 33	1 14	5 50	2 22	18 34	0 17	21 49	1 24	8 36	17 42	12 32	12 56	1 54	14 13	1 38					
S 27	13 49	2 24	2 48	5 43	2 12	27 20	4 15	14 11	2 14	12 33	1 14	5 51	2 22	18 34	0 17	21 49	1 24	8 36	17 42	12 33	12 57	1 52	14 14	1 38					
M28	14 8	1s32	3 36	6 28	2 7	27 25																							

SWISS EPHEMERIS for the year 1980

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	14 36 18	10 ^h 46' ^m 13	18 ^m 29	27 ^h 12'	23 ^h 26'	29 ^h 11'	0 ^h 16'	20 ^h R35	24 ^h R 6	22 ^h R19	19 ^h R50	26 ^h R11	25 ^h Ω29	2 ^h 52	13 ^h 24
F 2	14 40 14	11 ^h 44' ^m 25	0 ^h 21'	29 ^h 7	24 ^h 6	29 ^h 26	0 ^h 17'	20 ^h 17	24 ^h 11	22 ^h 21	19 ^h 48	25 ^h Ω58	25 ^h 26	2 ^h 58	13 ^h 28
S 3	14 44 11	12 ^h 42' ^m 35	13 ^h 24	1 ^h 8	24 ^h 45	29 ^h 42	0 ^h 19'	20 ^h 31	24 ^h 2	22 ^h 17	19 ^h 47	25 ^h 46	25 ^h 23	3 ^h 5	13 ^h 32
S 4	14 48 7	13 ^h 40' ^m 43	26 ^h 8	3 ^h 2	25 ^h 23	29 ^h 58	0 ^h 20'	20 ^h 29	23 ^h 59	22 ^h 15	19 ^h 45	25 ^h 37	25 ^h 20	3 ^h 12	13 ^h 36
M 5	14 52 4	14 ^h 38' ^m 50	9 ^h 3 3	5 ^h 2	26 ^h 0	0 ^h 15	0 ^h 21'	20 ^h 27	23 ^h 57	22 ^h 14	19 ^h 44	25 ^h 30	25 ^h 17	3 ^h 18	13 ^h 40
T 6	14 56 1	15 ^h 36' ^m 56	22 ^h 11	7 ^h 4	26 ^h 35	0 ^h 32	0 ^h 23'	20 ^h 26	23 ^h 54	22 ^h 13	19 ^h 42	25 ^h 26	25 ^h 13	3 ^h 25	13 ^h 44
W 7	14 59 57	16 ^h 35' ^m 00	5 ^h 35	9 ^h 7	27 ^h 9	0 ^h 50	0 ^h 25'	20 ^h 24	23 ^h 52	22 ^h 12	19 ^h 41	25 ^h 24	25 ^h 10	3 ^h 32	13 ^h 48
T 8	15 3 54	17 ^h 33' ^m 03	19 ^h 14	11 ^h 12	27 ^h 42	1 ^h 7	0 ^h 27'	20 ^h 22	23 ^h 49	22 ^h 11	19 ^h 39	25 ^h 24	25 ^h 7	3 ^h 38	13 ^h 52
F 9	15 7 50	18 ^h 31' ^m 04	3 ^h 12	13 ^h 18	28 ^h 13	1 ^h 26	0 ^h 29'	20 ^h 21	23 ^h 47	22 ^h 9	19 ^h 38	25 ^h 24	25 ^h 4	3 ^h 45	13 ^h 55
S 10	15 11 47	19 ^h 29' ^m 04	17 ^h 27	15 ^h 25	28 ^h 43	1 ^h 45	0 ^h 31'	20 ^h 20	23 ^h 44	22 ^h 8	19 ^h 36	25 ^h 23	25 ^h 1	3 ^h 52	13 ^h 59
S 11	15 15 43	20 ^h 27' ^m 03	1 ^h 59	17 ^h 34	29 ^h 11	2 ^h 4	0 ^h 34'	20 ^h 18	23 ^h 42	22 ^h 7	19 ^h 35	25 ^h 19	24 ^h 57	3 ^h 58	14 ^h 3
M12	15 19 40	21 ^h 25' ^m 00	16 ^h 45	19 ^h 43	29 ^h 38	2 ^h 23	0 ^h 37'	20 ^h 17	23 ^h 39	22 ^h 5	19 ^h 33	25 ^h 13	24 ^h 54	4 ^h 5	14 ^h 7
T 13	15 23 36	22 ^h 22' ^m 57	1 ^h 37	21 ^h 54	0 ^h 3 3	2 ^h 43	0 ^h 40'	20 ^h 16	23 ^h 37	22 ^h 4	19 ^h 32	25 ^h 5	24 ^h 51	4 ^h 12	14 ^h 11
W14	15 27 33	23 ^h 20' ^m 51	16 ^h 27	24 ^h 4	0 ^h 27	3 ^h 3	0 ^h 43'	20 ^h 15	23 ^h 34	22 ^h 3	19 ^h 31	24 ^h 54	24 ^h 48	4 ^h 18	14 ^h 15
T 15	15 31 30	24 ^h 18' ^m 45	1 ^h 11	26 ^h 16	0 ^h 48	3 ^h 24	0 ^h 46'	20 ^h 15	23 ^h 32	22 ^h 1	19 ^h 29	24 ^h 43	24 ^h 45	4 ^h 25	14 ^h 19
F 16	15 35 26	25 ^h 16' ^m 36	15 ^h 31	28 ^h 27	1 ^h 8	3 ^h 45	0 ^h 49'	20 ^h 14	23 ^h 29	22 ^h 0	19 ^h 28	24 ^h 32	24 ^h 42	4 ^h 32	14 ^h 23
S 17	15 39 23	26 ^h 14' ^m 27	29 ^h 30	0 ^h 11	2 ^h 38	1 ^h 26	0 ^h 53'	20 ^h 13	23 ^h 27	21 ^h 59	19 ^h 27	24 ^h 22	24 ^h 38	4 ^h 38	14 ^h 27
S 18	15 43 19	27 ^h 12' ^m 16	13 ^h 3 3	2 ^h 48	1 ^h 42	4 ^h 28	0 ^h 57'	20 ^h 13	23 ^h 24	21 ^h 57	19 ^h 26	24 ^h 15	24 ^h 35	4 ^h 45	14 ^h 31
M19	15 47 16	28 ^h 10' ^m 03	26 ^h 8	4 ^h 57	1 ^h 56	4 ^h 50	1 ^h 1	20 ^h 12	23 ^h 22	21 ^h 56	19 ^h 24	24 ^h 10	24 ^h 32	4 ^h 52	14 ^h 34
T 20	15 51 12	29 ^h 7'48	8 ^h Ω49	7 ^h 6	2 ^h 8	5 ^h 13	1 ^h 5	20 ^h 12	23 ^h 19	21 ^h 54	19 ^h 23	24 ^h 8	24 ^h 29	4 ^h 58	14 ^h 38
W21	15 55 9	0 ^h 11' 5'32	21 ^h 9	9 ^h 13	2 ^h 18	5 ^h 35	1 ^h 9	20 ^h 12	23 ^h 17	21 ^h 53	19 ^h 22	24 ^h 8	24 ^h 26	5 ^h 5	14 ^h 42
T 22	15 59 6	1 ^h 3'14	3 ^h 14	11 ^h 18	2 ^h 26	5 ^h 58	1 ^h 13	20 ^h D12	23 ^h 14	21 ^h 51	19 ^h 21	24 ^h 8	24 ^h 23	5 ^h 12	14 ^h 46
F 23	16 3 2	2 ^h 0'54	15 ^h 8	13 ^h 22	2 ^h 31	6 ^h 22	1 ^h 18	20 ^h 12	23 ^h 12	21 ^h 50	19 ^h 20	24 ^h 7	24 ^h 19	5 ^h 18	14 ^h 50
S 24	16 6 59	2 ^h 58'33	26 ^h 57	15 ^h 24	2 ^h 34	6 ^h 45	1 ^h 23	20 ^h 12	23 ^h 9	21 ^h 48	19 ^h 19	24 ^h 5	24 ^h 16	5 ^h 25	14 ^h 53
S 25	16 10 55	3 ^h 56'11	8 ^h Ω47	17 ^h 23	2 ^h R35	7 ^h 9	1 ^h 27	20 ^h 12	23 ^h 7	21 ^h 47	19 ^h 18	24 ^h 1	24 ^h 13	5 ^h 32	14 ^h 57
M26	16 14 52	4 ^h 53'47	20 ^h 41	19 ^h 20	2 ^h 34	7 ^h 33	1 ^h 32	20 ^h 12	23 ^h 4	21 ^h 45	19 ^h 17	23 ^h 54	24 ^h 10	5 ^h 38	15 ^h 1
T 27	16 18 48	5 ^h 51'22	2 ^h 14	21 ^h 15	2 ^h 30	7 ^h 58	1 ^h 38	20 ^h 13	23 ^h 2	21 ^h 44	19 ^h 15	23 ^h 44	24 ^h 7	5 ^h 45	15 ^h 5
W28	16 22 45	6 ^h 48'55	14 ^h 56	23 ^h 7	2 ^h 23	8 ^h 23	1 ^h 43	20 ^h 13	22 ^h 59	21 ^h 42	19 ^h 14	23 ^h 33	24 ^h 3	5 ^h 52	15 ^h 8
T 29	16 26 41	7 ^h 46'27	27 ^h 21	24 ^h 56	2 ^h 14	8 ^h 48	1 ^h 48	20 ^h 14	22 ^h 57	21 ^h 41	19 ^h 14	23 ^h 20	24 ^h 0	5 ^h 59	15 ^h 12
F 30	16 30 38	8 ^h 43'58	9 ^h Ω59	26 ^h 43	2 ^h 3	9 ^h 13	1 ^h 54	20 ^h 15	22 ^h 55	21 ^h 39	19 ^h 13	23 ^h 8	23 ^h 57	6 ^h 5	15 ^h 16
S 31	16 34 34	9 ^h 11'28	22 ^h Ω49	28 ^h 12	1 ^h 54	9 ^h 39	2 ^h 10	20 ^h 15	22 ^h 52	21 ^h 38	19 ^h 12	22 ^h Ω57	23 ^h Ω54	6 ^h Ω12	15 ^h Ω20

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	15n 3	12s33	4n58	8n48	1s48	27n34	4n18	13n43	2n 6	12n31	1n14	5n54	2n22	18s31	0n17	21s49	1n24	8n38	17n41	12n47	13n 2	1n44	14n18	1s38
F 2	15 21	15 26	5 0	9 36	1 40	27 37	4 18	13 36	2 4	12 31	1 14	5 55	2 21	18 31	0 17	21 49	1 24	8 38	17 41	12 52	13 3	1 42	14 19	1 38
S 3	15 39	17 39	4 47	10 24	1 32	27 38	4 18	13 29	2 2	12 30	1 13	5 55	2 21	18 30	0 17	21 49	1 24	8 39	17 40	12 56	13 4	1 40	14 20	1 38
S 4	15 57	19 3	4 20	11 12	1 24	27 40	4 18	13 21	2 0	12 30	1 13	5 56	2 21	18 29	0 17	21 49	1 24	8 39	17 40	12 59	13 5	1 38	14 21	1 38
M 5	16 14	19 29	3 39	12 1	1 16	27 40	4 18	13 13	1 58	12 29	1 13	5 56	2 21	18 29	0 17	21 49	1 24	8 39	17 40	13 1	13 6	1 36	14 22	1 38
T 6	16 31	18 53	2 46	12 49	1 7	27 41	4 17	13 5	1 56	12 28	1 13	5 57	2 21	18 28	0 17	21 49	1 24	8 40	17 40	13 3	13 7	1 34	14 24	1 38
W 7	16 48	17 13	1 43	13 38	0 57	27 41	4 16	12 57	1 54	12 28	1 13	5 58	2 21	18 28	0 17	21 48	1 24	8 40	17 39	13 3	13 8	1 32	14 25	1 39
T 8	17 4	14 32	0 33	14 26	0 48	27 40	4 15	12 49	1 52	12 27	1 13	5 58	2 20	18 27	0 17	21 48	1 24	8 40	17 39	13 3	13 9	1 30	14 26	1 39
F 9	17 20	10 58	0s41	15 14	0 38	27 39	4 14	12 41	1 50	12 26	1 12	5 58	2 20	18 26	0 17	21 48	1 24	8 41	17 39	13 3	13 10	1 28	14 27	1 39
S 10	17 36	6 42	1 54	16 1	0 28	27 38	4 12	12 32	1 48	12 25	1 12	5 59	2 20	18 26	0 17	21 48	1 24	8 41	17 39	13 4	13 11	1 26	14 28	1 39
S 11	17 52	1 58	3 1	16 48	0 17	27 36	4 10	12 24	1 46	12 24	1 12	5 59	2 20	18 25	0 17	21 48	1 24	8 41	17 38	13 5	13 12	1 24	14 29	1 39
M12	18 7	2n57	3 56	17 34	0 7	27 34	4 8	12 15	1 45	12 23	1 12	5 59	2 20	18 25	0 17	21 48	1 24	8 41	17 38	13 7	13 13	1 22	14 30	1 39
T 13	18 22	7 43	4 36	18 18	0n 4	27 31	4 5	12 6	1 43	12 21	1 12	6 0	2 20	18 24	0 17	21 48	1 24	8 41	17 38	13 10	13 14	1 20	14 31	1 39
W14	18 37	12 0	4 57	19 1	0 14	27 28	4 2	11 57	1 41	12 20	1 12	6 0	2 19	18 23	0 17	21 48	1 24	8 42	17 37	13 13	13 15	1 18	14 32	1 39
T 15	18 51	15 31	4 59	19 43	0 25	27 25	3 59	11 48	1 39	12 19	1 11	6 0	2 19	18 23	0 17	21 48	1 24	8 42	17 37	13 17	13 16	1 16	14 33	1 39
F 16	19 5 18	0	4 41	20 23	0 35	27 21	3 55	11 39	1 37	12 18	1 11	6 0	2 19	18 22	0 17	21 48	1 24	8 42	17 37	13 21	13 17	1 14	14 34	1 39
S 17	19 19	19 20	4 7	21 1	0 45	27 17	3 51	11 29	1 36	12 16	1 11	6 0	2 19	18 22	0 17	21 47	1 2							

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	16 38 31	10 ^{II} 38'57	5 ³ 52	0 ³ 8	1°R33	10 ^{III} 5	2 ^{III} 6	20 ^{III} 16	22°R50	21°R36	19°R11	22°R47	23°R51	6 ^{II} 19	15 ³ 23	
M 2	16 42 28	11°36'25	19° 7	1°46	1 ³ 15	10°31	2°12	20°17	22 ^{III} 47	21°R34	19°R10	22 ^{III} 41	23°48	6°25	15°27	
T 3	16 46 24	12°33'53	2 ³ 32	3°22	0°54	10°57	2°18	20°18	22°45	21°33	19° 9	22°37	23°44	6°32	15°30	
W 4	16 50 21	13°31'19	16° 8	4°54	0°31	11°24	2°24	20°20	22°43	21°31	19° 8	22°35	23°41	6°39	15°34	
T 5	16 54 17	14°28'45	29°54	6°24	0° 6	11°51	2°31	20°21	22°41	21°30	19° 7	22°D35	23°38	6°45	15°38	
F 6	16 58 14	15°26'10	13 ³ 52	7°50	29 ^{II} 39	12°18	2°37	20°22	22°38	21°28	19° 7	22°R36	23°35	6°52	15°41	
S 7	17 2 10	16°23'34	27°59	9°14	29°10	12°45	2°44	20°24	22°36	21°26	19° 6	22°35	23°32	6°59	15°45	
S 8	17 6 7	17°20'58	12 ³ 17	10°35	28°40	13°12	2°51	20°26	22°34	21°25	19° 5	22°33	23°29	7° 5	15°48	
M 9	17 10 3	18°18'22	26°42	11°52	28° 7	13°40	2°58	20°27	22°32	21°23	19° 5	22°28	23°25	7°12	15°52	
T 10	17 14 0	19°15'45	11 ³ 9	13° 7	27°34	14° 8	3° 5	20°29	22°29	21°22	19° 4	22°21	23°22	7°19	15°55	
W11	17 17 57	20°13'07	25°35	14°18	26°59	14°36	3°12	20°31	22°27	21°20	19° 3	22°13	23°19	7°25	15°59	
T 12	17 21 53	21°10'29	9 ^{II} 53	15°26	26°23	15° 5	3°20	20°33	22°25	21°18	19° 3	22° 3	23°16	7°32	16° 2	
F 13	17 25 50	22° 7'50	23°57	16°31	25°47	15°33	3°27	20°35	22°23	21°17	19° 2	21°54	23°13	7°39	16° 5	
S 14	17 29 46	23° 5'11	7 ³ 42	17°32	25° 9	16° 2	3°35	20°37	22°21	21°15	19° 2	21°46	23° 9	7°45	16° 9	
S 15	17 33 43	24° 2'30	21° 5	18°30	24°32	16°31	3°43	20°40	22°19	21°13	19° 1	21°40	23° 6	7°52	16°12	
M16	17 37 39	24°59'49	4 ^{II} 6	19°24	23°54	17° 1	3°51	20°42	22°17	21°12	19° 1	21°36	23° 3	7°59	16°15	
T 17	17 41 36	25°57'07	16°45	20°15	23°17	17°30	3°59	20°45	22°15	21°10	19° 0	21°D35	23° 0	8° 6	16°18	
W18	17 45 33	26°54'25	29° 6	21° 2	22°40	18° 0	4° 7	20°47	22°13	21° 9	19° 0	21°35	22°57	8°12	16°22	
T 19	17 49 29	27°51'41	11 ^{III} 11	21°46	22° 4	18°29	4°15	20°50	22°11	21° 7	19° 0	21°36	22°54	8°19	16°25	
F 20	17 53 26	28°48'57	23° 7	22°25	21°28	19° 0	4°23	20°53	22° 9	21° 5	18°59	21°R37	22°50	8°26	16°28	
S 21	17 57 22	29°46'12	4 ^{II} 58	23° 0	20°54	19°30	4°32	20°56	22° 8	21° 4	18°59	21°37	22°47	8°32	16°31	
S 22	18 1 19	0 ³ 43'27	16°50	23°32	20°20	20° 0	4°41	20°59	22° 6	21° 2	18°59	21°35	22°44	8°39	16°34	
M23	18 5 15	1°40'40	28°47	23°59	19°49	20°31	4°49	21° 2	22° 4	21° 1	18°59	21°31	22°41	8°46	16°37	
T 24	18 9 12	2°37'54	10 ^{III} 53	24°21	19°19	21° 1	4°58	21° 5	22° 2	20°59	18°58	21°26	22°38	8°52	16°40	
W25	18 13 8	3°35'06	23°12	24°39	18°50	21°32	5° 7	21° 8	22° 1	20°57	18°58	21°19	22°35	8°59	16°43	
T 26	18 17 5	4°32'19	5 ³ 47	24°53	18°24	22° 3	5°16	21°11	21°59	20°56	18°58	21°11	22°31	9° 6	16°46	
F 27	18 21 2	5°29'30	18°39	25° 2	18° 0	22°35	5°25	21°15	21°58	20°54	18°58	21° 3	22°28	9°12	16°49	
S 28	18 24 58	6°26'42	1 ³ 47	25°R 7	17°37	23° 6	5°34	21°18	21°56	20°53	18°58	20°56	22°25	9°19	16°52	
S 29	18 28 55	7°23'53	15°11	25° 6	17°17	23°38	5°44	21°22	21°54	20°51	18°D58	20°50	22°22	9°26	16°55	
M30	18 32 51	8°21'05	28 ³ 49	25°2 2	17°II 0	24 ^{III} 9	5 ^{III} 53	21 ^{III} 26	21 ^{III} 53	20 ^{III} 50	18°D58	20°47	22°19	9°32	16°58	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	22n 3	19s38	3n41	25n37	2n10	25n25	1n59	8n54	1n12	11n48	1n 9	5n56	2n16	18s12	0n17	21s46
M 2	22 11	19 18	2 48	25 36	2 10	25 14	1 48	8 43	1 10	11 46	1 9	5 56	2 16	18 12	0 17	21 46
T 3	22 18	17 54	1 44	25 33	2 9	25 2	1 36	8 31	1 9	11 43	1 9	5 55	2 16	18 11	0 17	21 46
W 4	22 25	15 27	0 34	25 28	2 7	24 51	1 24	8 20	1 7	11 41	1 8	5 54	2 15	18 11	0 17	21 46
T 5	22 32	12 7	0s39	25 22	2 5	24 38	1 12	8 8	1 6	11 38	1 8	5 54	2 15	18 10	0 17	21 46
F 6	22 39	8 3	1 51	25 14	2 1	24 25	0 59	7 57	1 5	11 36	1 8	5 53	2 15	18 10	0 17	21 45
S 7	22 45	3 30	2 57	25 4	1 57	24 12	0 46	7 45	1 3	11 33	1 8	5 52	2 15	18 9	0 17	21 45
S 8	22 50	1n17	3 52	24 53	1 52	23 59	0 33	7 33	1 2	11 31	1 8	5 51	2 15	18 9	0 17	21 45
M 9	22 55	6 2	4 34	24 41	1 47	23 45	0 19	7 21	1 1	11 28	1 8	5 50	2 14	18 8	0 17	21 45
T 10	23 0	10 27	4 58	24 28	1 41	23 30	0 5	7 9	0 59	11 25	1 8	5 50	2 14	18 7	0 17	21 45
W11	23 5	14 15	5 3	24 13	1 33	23 15	0s 9	6 57	0 58	11 23	1 7	5 49	2 14	18 7	0 17	21 45
T 12	23 9	17 10	4 49	23 58	1 26	23 0	0 23	6 45	0 56	11 20	1 7	5 48	2 14	18 6	0 17	21 45
F 13	23 12	19 0	4 18	23 42	1 17	22 45	0 37	6 32	0 55	11 17	1 7	5 47	2 14	18 6	0 17	21 45
S 14	23 16	19 41	3 32	23 25	1 8	22 30	0 51	6 20	0 54	11 14	1 7	5 46	2 13	18 5	0 17	21 45
S 15	23 18	19 13	2 36	23 7	0 58	22 14	1 6	6 8	0 53	11 11	1 7	5 44	2 13	18 5	0 17	21 45
M16	23 21	17 44	1 32	22 49	0 48	21 59	1 20	5 55	0 51	11 8	1 7	5 43	2 13	18 4	0 17	21 44
T 17	23 23	15 24	0 26	22 31	0 36	21 43	1 33	5 42	0 50	11 5	1 7	5 42	2 13	18 4	0 17	21 44
W18	23 24	12 25	0n40	22 12	0 25	21 27	1 47	5 30	0 49	11 2	1 6	5 41	2 13	18 3	0 17	21 44
T 19	23 25	8 58	1 44	21 53	0 12	21 12	2 0	5 17	0 47	10 59	1 6	5 40	2 12	18 3	0 17	21 44
F 20	23 26	5 12	2 41	21 34	0s 1	20 57	2 13	5 4	0 46	10 56	1 6	5 38	2 12	18 3	0 17	21 44
S 21	23 26	1 16	3 32	21 15	0 14	20 42	2 26	4 51	0 45	10 52	1 6	5 37	2 12	18 2	0 17	21 44
S 22	23 26	2s43	4 13	20 55	0 28	20 27	2 38	4 38	0 44	10 49	1 6	5 36	2 12	18 2	0 17	21 44
M23	23 26	6 37	4 44	20 37	0 43	20 13	2 50	4 25	0 43	10 46	1 6	5 34	2 12	18 1	0 17	21 44
T 24	23 25	10 18	5 2	20 18	0 58	20 0	3 1	4 12	0 41	10 43	1 6	5 33	2 12	18 1	0 16	21 44
W25	23 23	13 37	5 7	20 0	1 13	19 47	3 12	3 58	0 40	10 39	1 6	5 32	2 11	18 0	0 16	21 44
T 26	23 22	16 23	4 58	19 42	1 29	19 34	3 23	3 45	0 39	10 36	1 6	5 30	2 11	18 0	0 16	21 44
F 27	23 20	18 25	4 33	19 25	1 44	19 22	3 32	3 32	0 38	10 32	1 5	5 29	2 11	18 0	0 16	21 43
S 28	23 17	19 32	3 54	19 8	2 0	19 11	3 42	3 18	0 37	10 29	1 5	5 27	2 11	17 59	0 16	21 43
S 29	23 14	19 35	3 0	18 53	2 16	19 1	3 50	3 5	0 36	10 25	1 5	5 26	2 11	17 59	0 16	21 43
M30	23n11	18s30	1n56	18n38	2s32	18n51	3s59	2n51	0n34	10n22	1n 5	5n24	2n11	17s58	0n16	21s43

Julian Day Number = 2444391.5, Delta T = 50.90 sec
 Ecliptic obliquity = 23°26'23", Nutation = - 0°00'11"
 Ayanamsha: Fagan/Bradley = 24°28'01", Lahiri = 23°35'01"

SWISS EPHEMERIS for the year 1980

JULY 1980

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
T 1	18 36 48	9 ^h 18'16"	12 ^h 38'38"	24°R52	16°R45	24 ^h 14'41"	6 ^m 3	21 ^h 17'29"	21°R52	20°R48	18 ^h 58'	20°R45	22 ^h 15'	9 ^h 39'	17 ^h 0
W 2	18 40 44	10°15'27"	26°36'	24 ^h 39'	16 ^h 32'	25°13'	6°12'	21°33'	21 ^h 50'	20 ^h 47'	18°58'	20°D45	22°12'	9°46'	17° 3
T 3	18 44 41	11°12'38"	10 ^h 41'	24°21'	16°21'	25°45'	6°22'	21°37'	21°49'	20°45'	18°58'	20 ^h 46'	22° 9'	9°52'	17° 6
F 4	18 48 37	12° 9'50"	24°49'	23°59'	16°13'	26°18'	6°32'	21°41'	21°47'	20°44'	18°59'	20°47'	22° 6'	9°59'	17° 8
S 5	18 52 34	13° 7'01"	9 ^h 0'	23°33'	16° 8'	26°50'	6°42'	21°45'	21°46'	20°42'	18°59'	20°R48	22° 3'	10° 6'	17°11
S 6	18 56 31	14° 4'13"	23°12'	23° 4'	16° 4'	27°23'	6°52'	21°49'	21°45'	20°41'	18°59'	20°47'	22° 0'	10°13'	17°13
M 7	19 0 27	15° 1'26"	7 ^h 23'	22°32'	16°D 3	27°56'	7° 2'	21°54'	21°44'	20°39'	18°59'	20°46'	21°56'	10°19'	17°16
T 8	19 4 24	15°58'39"	21°29'	21°58'	16° 5'	28°29'	7°12'	21°58'	21°43'	20°38'	18°59'	20°42'	21°53'	10°26'	17°18
W 9	19 8 20	16°55'52"	5 ^h 30'	21°21'	16° 8'	29° 2'	7°22'	22° 2'	21°42'	20°36'	19° 0'	20°38'	21°50'	10°33'	17°21
T 10	19 12 17	17°53'06"	19°20'	20°44'	16°14'	29°35'	7°32'	22° 7'	21°41'	20°35'	19° 0'	20°33'	21°47'	10°39'	17°23
F 11	19 16 13	18°50'20"	2 ^h 58'	20° 5'	16°23'	0 ^h 8'	7°43'	22°11'	21°40'	20°34'	19° 1'	20°28'	21°44'	10°46'	17°26
S 12	19 20 10	19°47'34"	16°21'	19°27'	16°33'	0°42'	7°53'	22°16'	21°39'	20°32'	19° 1'	20°24'	21°41'	10°53'	17°28
S 13	19 24 6	20°44'49"	29°26'	18°49'	16°45'	1°16'	8° 4'	22°21'	21°38'	20°31'	19° 1'	20°21'	21°37'	10°59'	17°30
M14	19 28 3	21°42'04"	12 ^h 14'	18°12'	16°59'	1°49'	8°14'	22°26'	21°37'	20°30'	19° 2'	20°20'	21°34'	11° 6'	17°32
T 15	19 32 0	22°39'19"	24°46'	17°37'	17°16'	2°23'	8°25'	22°30'	21°36'	20°28'	19° 2'	20°D19	21°31'	11°13'	17°34
W16	19 35 56	23°36'34"	7 ^h 2'	17° 5'	17°34'	2°57'	8°36'	22°35'	21°35'	20°27'	19° 3'	20°20'	21°28'	11°19'	17°36
T 17	19 39 53	24°33'49"	19° 6'	16°36'	17°54'	3°32'	8°47'	22°40'	21°35'	20°26'	19° 4'	20°22'	21°25'	11°26'	17°39
F 18	19 43 49	25°31'04"	1 ^h 2'	16°10'	18°15'	4° 6'	8°58'	22°45'	21°34'	20°24'	19° 4'	20°24'	21°21'	11°33'	17°41
S 19	19 47 46	26°28'20"	12°54'	15°49'	18°39'	4°40'	9° 9'	22°51'	21°33'	20°23'	19° 5'	20°25'	21°18'	11°40'	17°42
S 20	19 51 42	27°25'36"	24°46'	15°32'	19° 4'	5°15'	9°20'	22°56'	21°33'	20°22'	19° 6'	20°R26	21°15'	11°46'	17°44
M21	19 55 39	28°22'52"	6 ^h 43'	15°20'	19°30'	5°50'	9°31'	23° 1'	21°32'	20°21'	19° 6'	20°25'	21°12'	11°53'	17°46
T 22	19 59 35	29°20'09"	18°50'	15°14'	19°58'	6°24'	9°42'	23° 6'	21°32'	20°20'	19° 7'	20°24'	21° 9'	12° 0'	17°48
W23	20 3 32	0 ^h 17'25"	1 ^h 12'	15°D12	20°28'	6°59'	9°54'	23°12'	21°31'	20°18'	19° 8'	20°22'	21° 6'	12° 6'	17°50
T 24	20 7 29	1°14'43"	13°51'	15°17'	20°59'	7°35'	10° 5'	23°17'	21°31'	20°17'	19° 9'	20°20'	21° 2'	12°13'	17°51
F 25	20 11 25	2°12'00"	26°50'	15°28'	21°32'	8°10'	10°16'	23°23'	21°31'	20°16'	19°10'	20°17'	20°59'	12°20'	17°53
S 26	20 15 22	3° 9'18"	10 ^h 31'	15°44'	22° 5'	8°45'	10°28'	23°28'	21°30'	20°15'	19°10'	20°15'	20°56'	12°26'	17°55
S 27	20 19 18	4° 6'37"	23°52'	16° 6'	22°40'	9°20'	10°39'	23°34'	21°30'	20°14'	19°11'	20°13'	20°53'	12°33'	17°56
M28	20 23 15	5° 3'57"	7 ^h 52'	16°35'	23°17'	9°56'	10°51'	23°40'	21°30'	20°13'	19°12'	20°12'	20°50'	12°40'	17°58
T 29	20 27 11	6° 1'17"	22° 6'	17°10'	23°54'	10°32'	11° 3'	23°46'	21°30'	20°12'	19°13'	20°D11	20°47'	12°46'	17°59
W30	20 31 8	6°58'38"	6 ^h 31'	17°50'	24°33'	11° 7'	11°14'	23°51'	21°D30	20°11'	19°14'	20°12'	20°43'	12°53'	18° 1
T 31	20 35 4	7 ^h 55'59"	21 ^h 0'	18°37'	25°11'3	11 ^h 43'	11 ^h 26'	23 ^h 57'	21 ^h 30'	20 ^h 10'	19 ^h 15'	20 ^h 13'	20 ^h 40'	13 ^h 0'	18 ^h 2

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	23n 7	16s19	0n44	18n24	2s48	18n42	4s 6	2n37	0n33	10n18	1n 5	5n22	2n10	17s58	0n16	21s43	1n24	8n32	17n15	14n35	14n 6	0s20	15n14	1s45
W 2	23 3	13 9	0s32	18 11	3 3	18 34	4 13	2 24	0 32	10 14	1 5	5 21	2 10	17 58	0 16	21 43	1 24	8 32	17 14	14 35	14 7	0 22	15 15	1 45
T 3	22 58	9 12	1 46	18 0	3 18	18 26	4 20	2 10	0 31	10 11	1 5	5 19	2 10	17 57	0 16	21 43	1 24	8 31	17 13	14 34	14 8	0 24	15 15	1 46
F 4	22 53	4 44	2 55	17 49	3 32	18 19	4 26	1 56	0 30	10 7	1 5	5 17	2 10	17 57	0 16	21 43	1 24	8 31	17 13	14 34	14 9	0 26	15 16	1 46
S 5	22 48	0n 0	3 53	17 40	3 46	18 13	4 31	1 42	0 29	10 3	1 5	5 15	2 10	17 57	0 16	21 43	1 24	8 30	17 12	14 34	14 10	0 28	15 16	1 46
S 6	22 42	4 44	4 36	17 32	3 59	18 8	4 36	1 28	0 28	10 0	1 5	5 14	2 10	17 56	0 16	21 43	1 24	8 29	17 12	14 34	14 11	0 31	15 17	1 46
M 7	22 36	9 12	5 3	17 26	4 11	18 3	4 41	1 14	0 27	9 56	1 4	5 12	2 9	17 56	0 16	21 43	1 24	8 29	17 11	14 34	14 12	0 33	15 17	1 46
T 8	22 29	13 7	5 11	17 21	4 21	18 0	4 45	1 0	0 26	9 52	1 4	5 10	2 9	17 56	0 16	21 43	1 24	8 28	17 11	14 35	14 13	0 35	15 18	1 46
W 9	22 22	16 17	5 1	17 17	4 31	17 56	4 48	0 46	0 25	9 48	1 4	5 8	2 9	17 56	0 16	21 43	1 24	8 27	17 10	14 37	14 14	0 37	15 18	1 47
T 10	22 15	18 28	4 33	17 15	4 39	17 54	4 51	0 32	0 24	9 44	1 4	5 6	2 9	17 55	0 16	21 42	1 24	8 27	17 9	14 38	14 15	0 39	15 19	1 47
F 11	22 7	19 34	3 50	17 14	4 45	17 52	4 54	0 17	0 23	9 40	1 4	5 4	2 9	17 55	0 16	21 42	1 24	8 26	17 9	14 40	14 16	0 41	15 19	1 47
S 12	21 59	19 32	2 55	17 15	4 50	17 51	4 56	0 3	0 22	9 36	1 4	5 2	2 9	17 55	0 16	21 42	1 24	8 25	17 8	14 41	14 17	0 43	15 20	1 47
S 13	21 50	18 27	1 52	17 17	4 53	17 50	4 58	0s11	0 20	9 32	1 4	5 0	2 8	17 55	0 16	21 42	1 24	8 25	17 8	14 42	14 18	0 45	15 20	1 47
M14	21 41	16 25	0 44	17 20	4 55	17 50	5 0	0 26	0 19	9 28	1 4	4 58	2 8	17 55	0 16	21 42	1 24	8 24	17 7	14 43	14 19	0 47	15 21	1 47
T 15	21 32	13 39	0n24	17 24	4 55	17 50	5 1	0 40	0 18	9 24	1 4	4 56	2 8	17 54	0 16	21 42	1 24	8 23	17 7	14 43	14 20	0 49	15 21	1 48
W16	21 23	10 20	1 31	17 30	4 53	17 51	5 2	0 55	0 17	9 20	1 4	4 54	2 8	17 54	0 16	21 42	1 24	8 23	17 6	14 42	14 21	0 51	15 22	1 48
T 17	21 13	6 38	2 32	17 37	4 50	17 52	5 2	1 9	0 16	9 16	1 4	4 52	2 8	17 54	0 16	21 42	1 24	8 22	17 5	14 42	14 22	0 53	15 22	1 48
F 18	21 2	2 44	3 25	17 45	4 45	17 54	5 3	1 24	0 15	9 11	1 4	4 50	2 8	17 54	0 16	21 42	1 24	8 21	17 5	14 41	14 23	0 55	15 22	1 48
S 19	20 52	1s15	4 10	17 53	4 39	17 56	5 3	1 38	0 14	9 7	1 3	4 48	2 8	17 54	0 16	21 42	1 24	8 20	17 4	14 41	14 24	0 58	15 23	1 48
S 20	20 41	5 11	4 44	18 3	4 31	17 58	5 2	1 53	0 14	9 3	1 3	4 45	2 7	17 54	0 16	21 42	1 24	8 20	17 4	14 41	14 25	1 0	15 23	1 48
M21	20 29	8 56	5 6	18 13	4 22	18 1	5 2	2 7	0 13	8 59	1 3	4 43	2 7	17 54	0 16	21 42	1 24	8 19	17 3	14 41	14 26	1 2	15 23	1 49
T 22	20 17	12 22	5 15	18 24	4 12	18 4	5 1	2 22	0 12	8 54	1 3	4 41	2 7	17 53	0 16	21 42	1 24	8 18	17 3	14 41	14 27	1 4	15 24	1 49
W23	20 5	15 21	5 10	18 35	4 0	18 7	5 0	2 37	0 11	8 50	1 3	4 39	2 7	17 53	0 16	21 42	1 24	8 17	17 2	14 42	14 28	1 6	15 24	1 49
T 24	19 53	17 41	4 49	18 47	3 48	18 10	4 58	2 51	0 10	8 46	1 3	4 36	2 7	17 53	0 16	21 42	1 24	8 16	17 2	14 43	14 29	1 8	15 24	1 49
F 25	19 40	19 11	4 14	18 59	3 35	18 14	4 57	3 6	0 9	8 41	1 3	4 34	2 7	17 53	0 16	21 42	1 24	8 16	17 1	14 44	14 30	1 10	15 25	1 49
S 26	19 27	19 40	3 23	19 10	3 22	18 18	4 55	3 21	0 8	8 37	1 3	4 32	2 7	17 53	0 16	21 42	1 24	8 15	17 1	14 44	14 31	1 12	15 25	1 50
S 27	19 14	19 2	2 20	19 22	3 8	18 22	4 53	3 36	0 7	8 33	1 3	4 29	2 7	17 53	0 16	21 42	1 24	8 14	17 0	14 45	14 32	1 14	15 25	1 50
M28	19 0	17 13																						

SWISS EPHEMERIS for the year 1980

AUGUST 1980

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	20 39 1	8♂53'22	5♂30	19♂29	25♂53	12♂19	11♂38	24♂3	21♂30	20♂R 9	19♂16	20♂14	20♂14	13♂7	18♂3	
S 2	20 42 58	9°50'46	19°55	20°27	26°35	12°55	11°50	24°9	21°30	20♂R 8	19°18	20°14	20°34	13°13	18°4	
S 3	20 46 54	10°48'11	4♂12	21°31	27°18	13°32	12°2	24°15	21°30	20°7	19°19	20°15	20°31	13°20	18°5	
M 4	20 50 51	11°45'38	18°18	22°41	28°2	14°8	12°14	24°21	21°30	20°6	19°20	20°R15	20°27	13°27	18°7	
T 5	20 54 47	12°43'06	2♂13	23°56	28°47	14°44	12°26	24°27	21°31	20°6	19°21	20°14	20°24	13°33	18°8	
W 6	20 58 44	13°40'35	15°53	25°16	29°32	15°21	12°38	24°34	21°31	20°5	19°22	20°14	20°21	13°40	18°9	
T 7	21 2 40	14°38'05	29°20	26°41	0♂19	15°58	12°50	24°40	21°31	20°4	19°24	20°13	20°18	13°47	18°10	
F 8	21 6 37	15°35'37	12♂33	28°11	1°6	16°34	13°2	24°46	21°32	20°3	19°25	20°13	20°15	13°53	18°10	
S 9	21 10 33	16°33'10	25°31	29°46	1°54	17°11	13°14	24°53	21°32	20°3	19°26	20°12	20°12	14°0	18°11	
S 10	21 14 30	17°30'44	8♂16	1♂25	2°43	17°48	13°27	24°59	21°33	20°2	19°28	20°12	20°8	14°7	18°12	
M 11	21 18 27	18°28'19	20°47	3°7	3°32	18°25	13°39	25°5	21°33	20°1	19°29	20°D12	20°5	14°13	18°13	
T 12	21 22 23	19°25'55	3♂7	4°53	4°22	19°3	13°51	25°12	21°34	20°1	19°30	20°12	20°2	14°20	18°13	
W 13	21 26 20	20°23'33	15°15	6°43	5°13	19°40	14°4	25°18	21°35	20°0	19°32	20°R12	19°59	14°27	18°14	
T 14	21 30 16	21°21'11	27°15	8°35	6°5	20°17	14°16	25°25	21°35	19°59	19°33	20°12	19°56	14°34	18°14	
F 15	21 34 13	22°18'51	9♂9	10°29	6°57	20°55	14°28	25°32	21°36	19°59	19°35	20°12	19°53	14°40	18°15	
S 16	21 38 9	23°16'31	20°59	12°26	7°50	21°33	14°41	25°38	21°37	19°58	19°36	20°11	19°49	14°47	18°15	
S 17	21 42 6	24°14'13	2♂51	14°24	8°43	22°10	14°53	25°45	21°38	19°58	19°38	20°11	19°46	14°54	18°16	
M 18	21 46 2	25°11'56	14°47	16°23	9°37	22°48	15°6	25°52	21°39	19°57	19°39	20°11	19°43	15°0	18°16	
T 19	21 49 59	26°9'40	26°53	18°23	10°32	23°26	15°19	25°59	21°40	19°57	19°41	20°D11	19°40	15°7	18°16	
W 20	21 53 56	27°7'25	9♂12	20°24	11°27	24°4	15°31	26°5	21°41	19°56	19°42	20°11	19°37	15°14	18°16	
T 21	21 57 52	28°5'11	21°50	22°25	12°22	24°42	15°44	26°12	21°42	19°56	19°44	20°11	19°33	15°20	18°17	
F 22	22 1 49	29°2'58	4♂49	24°26	13°18	25°20	15°57	26°19	21°43	19°56	19°46	20°12	19°30	15°27	18°17	
S 23	22 5 45	0♂47	18°12	26°26	14°15	25°59	16°9	26°26	21°44	19°55	19°47	20°13	19°27	15°34	18°R17	
S 24	22 9 42	0°58'36	2♂1	28°26	15°12	26°37	16°22	26°33	21°46	19°55	19°49	20°14	19°24	15°41	18°17	
M 25	22 13 38	1°56'27	16°14	0♂26	16°9	27°16	16°35	26°40	21°47	19°55	19°51	20°R14	19°21	15°47	18°17	
T 26	22 17 35	2°54'20	0♂47	2°25	17°7	27°54	16°47	26°47	21°48	19°55	19°53	20°14	19°18	15°54	18°16	
W 27	22 21 31	3°52'14	15°35	4°22	18°6	28°33	17°0	26°54	21°50	19°55	19°55	20°13	19°14	16°1	18°16	
T 28	22 25 28	4°50'09	0♂31	6°19	19°4	29°12	17°13	27°1	21°51	19°54	19°56	20°12	19°11	16°7	18°16	
F 29	22 29 25	5°48'06	15°25	8°15	20°4	29°51	17°26	27°8	21°52	19°54	19°58	20°10	19°8	16°14	18°15	
S 30	22 33 21	6°46'05	0♂12	10°10	21°3	0♂30	17°39	27°15	21°54	19°54	20°0	20°8	19°5	16°21	18°15	
S 31	22 37 18	7♂44'06	14♂43	12♂3	22♂3	1♂9	17♂52	27♂22	21♂56	19♂54	20♂2	20♂6	19♂2	16♂27	18♂15	

Day	☉			☽			♀		♂		♂		♂		♂		♂		♂		♂			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	18n 2	1s16	3s45	20n11	1s52	18n42	4s40	4s50	0n 2	8n10	1n 3	4n17	2n 6	17s53	0n16	21s41	1n23	8n10	16n57	14n45	14n37	1s25	15n26	1s51
S 2	17 47	3n34	4 34	20 18	1 36	18 47	4 37	5 5	0 1	8 5	1 3	4 15	2 6	17 53	0 16	21 41	1 23	8 9	16 57	14 44	14 38	1 27	15 26	1 51
S 3	17 31	8 8	5 5	20 24	1 21	18 51	4 34	5 20	0 1	8 1	1 3	4 12	2 6	17 53	0 16	21 41	1 23	8 8	16 56	14 44	14 39	1 29	15 26	1 51
M 4	17 16	12 12	5 17	20 27	1 5	18 55	4 31	5 35	0s 0	7 56	1 3	4 10	2 6	17 53	0 16	21 41	1 23	8 7	16 56	14 44	14 40	1 31	15 27	1 51
T 5	17 0	15 32	5 10	20 30	0 50	18 59	4 27	5 50	0 1	7 52	1 3	4 7	2 6	17 53	0 16	21 41	1 23	8 6	16 55	14 44	14 41	1 33	15 27	1 51
W 6	16 43	17 57	4 46	20 30	0 36	19 2	4 24	6 5	0 2	7 47	1 2	4 5	2 5	17 54	0 16	21 41	1 23	8 5	16 55	14 45	14 42	1 35	15 27	1 52
T 7	16 27	19 20	4 6	20 28	0 22	19 6	4 20	6 19	0 3	7 42	1 2	4 2	2 5	17 54	0 16	21 41	1 23	8 4	16 54	14 45	14 43	1 37	15 27	1 52
F 8	16 10	19 38	3 14	20 24	0 8	19 10	4 17	6 34	0 4	7 38	1 2	4 0	2 5	17 54	0 15	21 41	1 23	8 3	16 54	14 45	14 44	1 39	15 27	1 52
S 9	15 53	18 52	2 13	20 17	0n 5	19 13	4 13	6 49	0 5	7 33	1 2	3 57	2 5	17 54	0 15	21 41	1 23	8 2	16 53	14 45	14 45	1 41	15 27	1 52
S 10	15 35	17 8	1 6	20 8	0 18	19 16	4 9	7 4	0 5	7 28	1 2	3 54	2 5	17 54	0 15	21 41	1 23	8 1	16 53	14 45	14 46	1 43	15 27	1 52
M 11	15 17	14 37	0n 3	19 56	0 29	19 19	4 5	7 19	0 6	7 23	1 2	3 52	2 5	17 54	0 15	21 41	1 23	8 1	16 52	14 45	14 47	1 46	15 27	1 53
T 12	15 0	11 28	1 11	19 42	0 40	19 22	4 1	7 34	0 7	7 19	1 2	3 49	2 5	17 54	0 15	21 41	1 23	8 0	16 52	14 45	14 48	1 48	15 27	1 53
W 13	14 41	7 53	2 15	19 25	0 51	19 24	3 56	7 49	0 8	7 14	1 2	3 46	2 5	17 55	0 15	21 41	1 23	7 59	16 51	14 45	14 49	1 50	15 27	1 53
T 14	14 23	4 1	3 11	19 5	1 0	19 26	3 52	8 4	0 9	7 9	1 2	3 44	2 5	17 55	0 15	21 41	1 23	7 58	16 51	14 45	14 50	1 52	15 27	1 53
F 15	14 4	0 3	3 59	18 42	1 8	19 28	3 48	8 19	0 9	7 4	1 2	3 41	2 5	17 55	0 15	21 41	1 23	7 57	16 50	14 45	14 51	1 54	15 27	1 53
S 16	13 46	3s55	4 37	18 17	1 16	19 30	3 43	8 33	0 10	6 59	1 2	3 38	2 5	17 55	0 15	21 41	1 23	7 56	16 50	14 45	14 52	1 56	15 27	1 54
S 17	13 27	7 43	5 3	17 50	1 23	19 31	3 39	8 48	0 11	6 54	1 2	3 36	2 5	17 56	0 15	21 41	1 23	7 55	16 49	14 45	14 53	1 58	15 27	1 54
M 18	13 7	11 14	5 16	17 20	1 29	19 32	3 34	9 3	0 12	6 50	1 2	3 33	2 5	17 56	0 15	21 41	1 23	7 54	16 49	14 46	14 54	2 0	15 27	1 54
T 19	12 48	14 21	5 15	16 48	1 34	19 32	3 30	9 18	0 13	6 45	1 2	3 30	2 4	17 56	0 15	21 41	1 22	7 53	16 49	14 46	14 55	2 2	15 26	1 54
W 20	12 28	16 53	5 0	16 14	1 38	19 33	3 25	9 33	0 13	6 40	1 2	3 27	2 4	17 56	0 15	21 41	1 22	7 52	16 48	14 45	14 56	2 5	15 26	1 54
T 21	12 8	18 42	4 30	15 38	1 41	19 33	3 20	9 47	0 14	6 35	1 2	3 25	2 4	17 57	0 15	21 41	1 22	7 51	16 48	14 45	14 57	2 7	15 26	1 55
F 22	11 48	19 35	3 46	15 0	1 43	19 32	3 15	10 2	0 15	6 30	1 2	3 22	2 4	17 57	0 15	21 41	1 22	7 50	16 47	14 45	14 58	2 9	15 26	1 55
S 23	11 28	19 25	2 48	14 21	1 45	19 31	3 11	10 17	0 16	6 25	1 2	3 19	2 4	17 57	0 15	21 41	1 22	7 49	16 47	14 45	14 59	2 11	15 26	1 55
S																								

Main table with 16 columns (Day, Sid.t, ☉, ☽, ♀, ♁, ♂, ♃, ♅, ♆, ♇, ♄, ♁, ♂, ♋) containing astronomical data for October 1980.

Table with 16 columns (Day, ☉, ☽, ♀, ♁, ♂, ♃, ♅, ♆, ♇, ♄, ♁, ♂, ♋) containing detailed astronomical data including declination and latitude for October 1980.

Julian Day Number = 2444513.5, Delta T = 51.18 sec
Ecliptic obliquity = 23°26'24", Nutation = - 0°00'12"
Ayanamsha: Fagan/Bradley = 24°28'17", Lahiri = 23°35'17"

SWISS EPHEMERIS for the year 1980

DECEMBER 1980

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♂	♁	♁	♁	♁	♁	♁	♁	♁	♁
M 1	4 40 1	8°57'07	26°25'	22°47'	8°34'	6°47'	6°2	7°45'	26°40'	21°54'	23°26'	13°R24	14°9'	26°45'	14°R43	
T 2	4 43 57	9°57'58	8°17'	24°16'	9°48'	7°33'	6°11'	7°49'	26°43'	21°56'	23°27'	13°Ω20	14°6'	26°51'	14°R40	
W 3	4 47 54	10°58'50	20°7'	25°45'	11°2'	8°19'	6°19'	7°54'	26°47'	21°58'	23°29'	13°13	14°3'	26°58'	14°R37	
T 4	4 51 50	11°59'43	1°59'	27°15'	12°16'	9°5'	6°28'	7°59'	26°51'	22°0'	23°31'	13°4'	14°0'	27°5'	14°R35	
F 5	4 55 47	13°0'37	13°55'	28°45'	13°31'	9°51'	6°36'	8°3'	26°54'	22°2'	23°33'	12°53'	13°57'	27°12'	14°R32	
S 6	4 59 43	14°1'33	25°58'	0°16'	14°45'	10°37'	6°44'	8°7'	26°58'	22°5'	23°34'	12°42'	13°53'	27°18'	14°R30	
S 7	5 3 40	15°2'29	8°10'	1°47'	16°0'	11°24'	6°53'	8°12'	27°1'	22°7'	23°36'	12°30'	13°50'	27°25'	14°R27	
M 8	5 7 36	16°3'27	20°31'	3°19'	17°14'	12°10'	7°1'	8°16'	27°5'	22°9'	23°38'	12°19'	13°47'	27°32'	14°R25	
T 9	5 11 33	17°4'26	3°3'	4°51'	18°29'	12°56'	7°8'	8°20'	27°8'	22°11'	23°39'	12°11'	13°44'	27°38'	14°R22	
W10	5 15 30	18°5'25	15°44'	6°23'	19°43'	13°42'	7°16'	8°24'	27°12'	22°14'	23°41'	12°5'	13°41'	27°45'	14°R20	
T 11	5 19 26	19°6'25	28°36'	7°55'	20°58'	14°29'	7°24'	8°28'	27°16'	22°16'	23°43'	12°2'	13°38'	27°52'	14°R17	
F 12	5 23 23	20°7'26	11°39'	9°27'	22°12'	15°15'	7°31'	8°32'	27°19'	22°18'	23°44'	12°D 1	13°34'	27°59'	14°R15	
S 13	5 27 19	21°8'28	24°56'	11°0'	23°27'	16°1'	7°39'	8°36'	27°23'	22°21'	23°46'	12°1'	13°31'	28°5'	14°R13	
S 14	5 31 16	22°9'30	8°27'	12°32'	24°41'	16°48'	7°46'	8°40'	27°26'	22°23'	23°47'	12°2'	13°28'	28°12'	14°R11	
M15	5 35 12	23°10'32	22°13'	14°5'	25°56'	17°34'	7°53'	8°43'	27°30'	22°25'	23°49'	12°R 3	13°25'	28°19'	14°R 8	
T 16	5 39 9	24°11'35	6°16'	15°38'	27°11'	18°21'	8°0'	8°47'	27°33'	22°27'	23°50'	12°2'	13°22'	28°25'	14°R 6	
W17	5 43 5	25°12'38	20°34'	17°11'	28°26'	19°7'	8°7'	8°50'	27°36'	22°30'	23°52'	12°0'	13°18'	28°32'	14°R 4	
T 18	5 47 2	26°13'41	5°6'	18°44'	29°40'	19°54'	8°13'	8°54'	27°40'	22°32'	23°53'	11°55'	13°15'	28°39'	14°R 2	
F 19	5 50 59	27°14'45	19°47'	20°17'	0°55'	20°41'	8°20'	8°57'	27°43'	22°34'	23°54'	11°49'	13°12'	28°46'	14°R 0	
S 20	5 54 55	28°15'49	4°13'	21°51'	2°10'	21°27'	8°26'	9°0'	27°47'	22°36'	23°56'	11°42'	13°9'	28°52'	13°R58	
S 21	5 58 52	29°16'54	19°8'	23°25'	3°25'	22°14'	8°32'	9°3'	27°50'	22°39'	23°57'	11°35'	13°6'	28°59'	13°R56	
M22	6 2 48	0°17'59	3°3'	24°58'	4°39'	23°1'	8°39'	9°6'	27°53'	22°41'	23°58'	11°29'	13°3'	29°6'	13°R54	
T 23	6 6 45	1°19'05	17°39'	26°32'	5°54'	23°48'	8°44'	9°9'	27°56'	22°43'	23°59'	11°24'	12°59'	29°13'	13°R52	
W24	6 10 41	2°20'11	1°23'	28°7'	7°9'	24°34'	8°50'	9°12'	28°0'	22°45'	24°1'	11°22'	12°56'	29°19'	13°R51	
T 25	6 14 38	3°21'17	14°41'	29°41'	8°24'	25°21'	8°56'	9°14'	28°3'	22°48'	24°2'	11°D22	12°53'	29°26'	13°R49	
F 26	6 18 34	4°22'24	27°36'	1°16'	9°39'	26°8'	9°1'	9°17'	28°6'	22°50'	24°3'	11°23'	12°50'	29°33'	13°R47	
S 27	6 22 31	5°23'32	10°9'	2°51'	10°54'	26°55'	9°6'	9°19'	28°9'	22°52'	24°4'	11°24'	12°47'	29°39'	13°R46	
S 28	6 26 28	6°24'40	22°25'	4°26'	12°9'	27°42'	9°12'	9°22'	28°12'	22°54'	24°5'	11°26'	12°44'	29°46'	13°R44	
M29	6 30 24	7°25'48	4°27'	6°1'	13°23'	28°29'	9°17'	9°24'	28°16'	22°57'	24°6'	11°R27	12°40'	29°53'	13°R43	
T 30	6 34 21	8°26'57	16°22'	7°37'	14°38'	29°16'	9°21'	9°26'	28°19'	22°59'	24°7'	11°27'	12°37'	29°59'	13°R41	
W31	6 38 17	9°28'07	28°13'	9°13'	15°53'	0°3'	9°26'	9°28'	28°22'	23°1'	24°8'	11°Ω25	12°Ω34	0°6'	13°R40	

Day	☉	☽	♀	♁	♂	♂	♁	♁	♁	♁	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	21s48	4n36	3n28	17s 6	1n25	12s41	1n46	24s21	1s 5	1s18	1n11	1s 2	2n13	19s11	0n14	21s54	1n18
T 2	21 57	0 32	4 9	17 34	1 18	13 5	1 45	24 19	1 5	1 22	1 11	1 4	2 13	19 12	0 14	21 54	1 18
W 3	22 5	3s33	4 40	18 3	1 11	13 29	1 44	24 16	1 5	1 25	1 12	1 5	2 14	19 13	0 14	21 54	1 18
T 4	22 14	7 30	4 58	18 30	1 4	13 53	1 43	24 13	1 6	1 28	1 12	1 7	2 14	19 14	0 14	21 54	1 18
F 5	22 22	11 11	5 3	18 58	0 57	14 16	1 42	24 10	1 6	1 31	1 12	1 8	2 14	19 15	0 14	21 54	1 18
S 6	22 29	14 28	4 56	19 24	0 50	14 39	1 41	24 7	1 6	1 34	1 12	1 10	2 14	19 16	0 14	21 54	1 18
S 7	22 36	17 10	4 34	19 50	0 42	15 2	1 40	24 3	1 6	1 37	1 12	1 11	2 15	19 16	0 14	21 54	1 18
M 8	22 43	19 7	4 0	20 15	0 35	15 24	1 39	23 59	1 6	1 40	1 13	1 13	2 15	19 17	0 14	21 55	1 18
T 9	22 49	20 11	3 13	20 39	0 28	15 46	1 37	23 55	1 6	1 43	1 13	1 14	2 15	19 18	0 14	21 55	1 18
W10	22 54	20 16	2 16	21 2	0 20	16 8	1 36	23 50	1 7	1 46	1 13	1 16	2 15	19 19	0 14	21 55	1 18
T 11	23 0	19 17	1 11	21 25	0 13	16 29	1 34	23 45	1 7	1 49	1 13	1 17	2 16	19 20	0 14	21 55	1 18
F 12	23 4	17 16	0 2	21 46	0 6	16 50	1 33	23 40	1 7	1 52	1 14	1 18	2 16	19 20	0 14	21 55	1 18
S 13	23 9	14 18	1s 9	22 6	0s 1	17 10	1 31	23 35	1 7	1 54	1 14	1 19	2 16	19 21	0 14	21 55	1 18
S 14	23 12	10 32	2 17	22 26	0 8	17 30	1 30	23 30	1 7	1 57	1 14	1 21	2 16	19 22	0 14	21 55	1 18
M15	23 16	6 8	3 19	22 44	0 15	17 49	1 28	23 24	1 7	1 59	1 14	1 22	2 17	19 23	0 14	21 56	1 18
T 16	23 19	1 21	4 10	23 1	0 21	18 8	1 26	23 18	1 7	2 1	1 14	1 23	2 17	19 24	0 14	21 56	1 18
W17	23 21	3n36	4 47	23 17	0 28	18 26	1 24	23 11	1 7	2 4	1 15	1 24	2 17	19 24	0 14	21 56	1 18
T 18	23 23	8 25	5 6	23 32	0 35	18 44	1 22	23 5	1 7	2 7	1 15	1 25	2 17	19 25	0 14	21 56	1 18
F 19	23 25	12 47	5 5	23 46	0 41	19 2	1 20	22 58	1 7	2 9	1 15	1 26	2 18	19 26	0 14	21 56	1 18
S 20	23 26	16 23	4 44	23 58	0 47	19 19	1 18	22 50	1 8	2 11	1 15	1 27	2 18	19 27	0 14	21 56	1 18
S 21	23 26	18 55	4 5	24 10	0 53	19 35	1 16	22 43	1 8	2 14	1 16	1 28	2 18	19 27	0 14	21 56	1 18
M22	23 26	20 13	3 10	24 20	0 59	19 51	1 14	22 35	1 8	2 16	1 16	1 29	2 18	19 28	0 13	21 56	1 18
T 23	23 26	20 12	2 5	24 29	1 5	20 6	1 12	22 27	1 8	2 18	1 16	1 30	2 19	19 29	0 13	21 57	1 18
W24	23 25	18 58	0 54	24 36	1 10	20 21	1 10	22 19	1 8	2 20	1 16	1 31	2 19	19 30	0 13	21 57	1 18
T 25	23 24	16 43	0n18	24 42	1 16	20 35	1 8	22 11	1 8	2 22	1 17	1 32	2 19	19 30	0 13	21 57	1 18
F 26	23 22	13 40	1 27	24 47	1 21	20 49	1 6	22 2	1 8	2 24	1 17	1 32	2 20	19 31	0 13	21 57	1 18
S 27	23 20	10 5	2 30	24 50	1 26	21 2	1 3	21 53	1 8	2 26	1 17	1 33	2 20	19 32	0 13	21 57	1 18
S 28	23 17	6 9	3 25	24 53	1 31	21 14	1 1	21 44	1 8	2 27	1 17	1 34	2 20	19 33	0 13	21 57	1 18
M29	23 14	2 3	4 10	24 53	1 35	21 26	0 59	21 34	1 8	2 29	1 18	1 34	2 20	19 33	0 13	21 57	1 18
T 30	23 10	2s 5	4 43	24 52	1 39	21 37	0 56	21 25	1 8	2 31	1 18	1 35	2 21	19 34	0 13	21 57	1 18
W31	23s 6	6s 6	5n 4	24s50	1s43	21s48	0n54	21s15	1s 8	2s32	1n18	1s36	2n21	19s35	0n13	21s58	1n18

Julian Day Number = 2444574.5, Delta T = 51.31 sec
 Ecliptic obliquity = 23°26'24", Nutation = - 0°00'13"
 Ayanamsha: Fagan/Bradley = 24°28'26", Lahiri = 23°35'26"