

SWISS EPHEMERIS for the year 1979

JANUARY 1979

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	6 40 12	9°57'55	10°45	19°7	24°24	14°42	7°R 0	13°R54	19°M.42	18°250	19°6	20°R 4	21°M.14	8°L57	5°R 9
T 2	6 44 9	10°59'06	25°38	20°25	25°16	15°29	6°L53	13°M.53	19°45	18°52	19° 6	19°M.59	21°10	9° 3	5°R 8
W 3	6 48 6	12° 0'16	10°H.12	21°45	26° 8	16°15	6°47	13°52	19°47	18°54	19° 7	19°57	21° 7	9°10	5° 7
T 4	6 52 2	13° 1'26	24°23	23° 6	27° 1	17° 1	6°40	13°51	19°50	18°56	19° 8	19°D57	21° 4	9°17	5° 6
F 5	6 55 59	14° 2'36	8°V.11	24°28	27°55	17°47	6°33	13°49	19°52	18°58	19° 8	19°R57	21° 1	9°24	5° 6
S 6	6 59 55	15° 3'45	21°37	25°51	28°50	18°34	6°26	13°48	19°55	19° 0	19° 9	19°57	20°58	9°30	5° 5
S 7	7 3 52	16° 4'54	4°B.43	27°15	29°45	19°20	6°19	13°47	19°57	19° 3	19°10	19°55	20°54	9°37	5° 5
M 8	7 7 48	17° 6'03	17°33	28°40	0°A.40	20° 7	6°12	13°45	20° 0	19° 5	19°10	19°51	20°51	9°44	5° 4
T 9	7 11 45	18° 7'11	0°II. 9	0°Z. 5	1°37	20°53	6° 4	13°44	20° 2	19° 7	19°11	19°44	20°48	9°50	5° 4
W10	7 15 41	19° 8'19	12°34	1°31	2°33	21°40	5°57	13°42	20° 5	19° 9	19°11	19°35	20°45	9°57	5° 3
T 11	7 19 38	20° 9'27	24°49	2°58	3°31	22°26	5°50	13°40	20° 7	19°11	19°11	19°24	20°42	10° 4	5° 3
F 12	7 23 35	21°10'34	6°E.56	4°26	4°29	23°13	5°42	13°38	20° 9	19°13	19°12	19°12	20°39	10°10	5° 3
S 13	7 27 31	22°11'41	18°57	5°54	5°27	23°59	5°34	13°36	20°12	19°15	19°12	19° 1	20°35	10°17	5° 3
S 14	7 31 28	23°12'47	0°L.51	7°23	6°26	24°46	5°27	13°34	20°14	19°17	19°12	18°50	20°32	10°24	5° 3
M15	7 35 24	24°13'53	12°42	8°53	7°25	25°33	5°19	13°32	20°16	19°19	19°13	18°42	20°29	10°30	5°D 3
T 16	7 39 21	25°14'59	24°31	10°23	8°25	26°19	5°11	13°30	20°18	19°21	19°13	18°36	20°26	10°37	5° 3
W17	7 43 17	26°16'04	6°M.19	11°53	9°25	27° 6	5° 3	13°27	20°20	19°22	19°13	18°33	20°23	10°44	5° 3
T 18	7 47 14	27°17'09	18°11	13°25	10°26	27°53	4°56	13°25	20°22	19°24	19°13	18°D32	20°20	10°50	5° 3
F 19	7 51 10	28°18'13	0°A.10	14°56	11°27	28°40	4°48	13°22	20°24	19°26	19°13	18°33	20°16	10°57	5° 3
S 20	7 55 7	29°19'18	12°20	16°29	12°29	29°27	4°40	13°19	20°26	19°28	19°13	18°34	20°13	11° 4	5° 3
S 21	7 59 4	0°A.20'21	24°48	18° 1	13°30	0°M.13	4°32	13°17	20°28	19°30	19°13	18°R35	20°10	11°10	5° 4
M22	8 3 0	1°21'25	7°L.36	19°35	14°33	1° 0	4°24	13°14	20°30	19°32	19°R13	18°35	20° 7	11°17	5° 4
T 23	8 6 57	2°22'28	20°56	21° 9	15°35	1°47	4°16	13°11	20°31	19°34	19°13	18°33	20° 4	11°24	5° 4
W24	8 10 53	3°23'31	4°A.33	22°43	16°38	2°34	4° 8	13° 8	20°33	19°35	19°13	18°30	20° 0	11°30	5° 5
T 25	8 14 50	4°24'33	18°46	24°19	17°41	3°21	4° 0	13° 5	20°35	19°37	19°13	18°24	19°57	11°37	5° 5
F 26	8 18 46	5°25'35	3°Z.25	25°54	18°45	4° 8	3°51	13° 1	20°36	19°39	19°13	18°18	19°54	11°44	5° 6
S 27	8 22 43	6°26'36	18°27	27°31	19°49	4°55	3°43	12°58	20°38	19°40	19°13	18°11	19°51	11°50	5° 7
S 28	8 26 40	7°27'36	3°A.42	29° 8	20°53	5°42	3°35	12°55	20°39	19°42	19°13	18° 5	19°48	11°57	5° 7
M29	8 30 36	8°28'36	18°59	0°A.46	21°57	6°29	3°27	12°51	20°41	19°44	19°13	18° 0	19°45	12° 4	5° 8
T 30	8 34 33	9°29'34	4°H. 8	2°24	23° 2	7°16	3°19	12°48	20°42	19°45	19°12	17°57	19°41	12°10	5° 9
W31	8 38 29	10°30'32	19°H. 0	4°A. 3	24°A. 7	8°A. 3	3°L.12	12°M.44	20°M.44	19°A.47	19°L.12	17°D57	19°M.38	12°L.17	5°R.10

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄	♅									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	23s 4	14s27	3n12	21s54	1n 6	15s15	3n44	23s33	0s56	19n 5	0n35	8n 3	1n51	17s20	0n20	21s36	1n23	8n18	17n 2	3n56	3n29	14n40	12n12	1s 6
T 2	22 59	11 0	2 5	22 8	0 58	15 26	3 45	23 29	0 56	19 7	0 35	8 3	1 51	17 21	0 20	21 36	1 23	8 19	17 3	3 58	3 30	14 39	12 11	1 6
W 3	22 54	6 57	0 52	22 22	0 49	15 37	3 46	23 23	0 57	19 9	0 36	8 4	1 52	17 22	0 20	21 36	1 23	8 19	17 4	3 59	3 31	14 38	12 11	1 6
T 4	22 48	2 36	0s24	22 35	0 41	15 49	3 47	23 18	0 57	19 11	0 36	8 5	1 52	17 22	0 20	21 36	1 23	8 19	17 4	3 59	3 32	14 37	12 11	1 7
F 5	22 42	1n47	1 36	22 47	0 33	16 0	3 47	23 12	0 57	19 13	0 36	8 5	1 52	17 23	0 20	21 36	1 23	8 19	17 5	3 59	3 34	14 36	12 11	1 7
S 6	22 35	5 57	2 40	22 58	0 25	16 12	3 47	23 6	0 58	19 15	0 36	8 6	1 52	17 24	0 20	21 36	1 23	8 20	17 5	3 59	3 35	14 35	12 10	1 7
S 7	22 28	9 43	3 35	23 8	0 17	16 23	3 48	23 0	0 58	19 17	0 36	8 7	1 53	17 24	0 20	21 37	1 23	8 20	17 6	3 59	3 36	14 34	12 10	1 7
M 8	22 21	12 57	4 17	23 17	0 9	16 35	3 47	22 54	0 58	19 19	0 36	8 7	1 53	17 25	0 20	21 37	1 23	8 20	17 6	4 1	3 37	14 33	12 10	1 7
T 9	22 15	13 51	4 47	23 25	0 1	16 46	3 47	22 47	0 59	19 21	0 37	8 8	1 53	17 26	0 20	21 37	1 23	8 21	17 7	4 4	3 39	14 32	12 10	1 7
W10	22 4 17	19 5	2 23	32 0s	7 16	58 3	4 7	22 40	0 59	19 23	0 37	8 9	1 53	17 26	0 20	21 37	1 23	8 21	17 8	4 7	3 40	14 31	12 10	1 7
T 11	21 56	18 18	5 3	23 38	0 14	17 9	3 46	22 33	0 59	19 25	0 37	8 10	1 54	17 27	0 20	21 37	1 23	8 22	17 8	4 12	3 41	14 29	12 10	1 7
F 12	21 46	18 26	4 50	23 43	0 21	17 21	3 45	22 25	0 59	19 27	0 37	8 11	1 54	17 28	0 20	21 37	1 23	8 22	17 9	4 16	3 42	14 28	12 9	1 7
S 13	21 37	17 44	4 24	23 47	0 28	17 32	3 44	22 17	1 0	19 29	0 37	8 12	1 54	17 28	0 20	21 37	1 23	8 22	17 9	4 21	3 44	14 27	12 9	1 7
S 14	21 27	16 16	3 47	23 49	0 35	17 43	3 43	22 9	1 0	19 31	0 37	8 13	1 54	17 29	0 20	21 38	1 23	8 23	17 10	4 25	3 45	14 26	12 9	1 7
M15	21 16	14 7	3 0	23 51	0 42	17 54	3 42	22 1	1 0	19 33	0 38	8 14	1 55	17 29	0 20	21 38	1 23	8 23	17 11	4 28	3 46	14 25	12 9	1 7
T 16	21 5 11	23 2	6 23	50 0	49 18	5 3	40 21	53 1	0 19	35 0	38 8	15 1	55 17	30 0	20 21	38 1	23 8	24 17	11 4	30 3	47 14	24 12	9 1	7
W17	20 54	8 11	1 5	23 49	0 55	18 15	3 39	21 44	1 1	19 37	0 38	8 16	1 55	17 30	0 20	21 38	1 23	8 24	17 12	4 32	3 49	14 23	12 9	1 7
T 18	20 42	4 39	0 2	23 47	1 1	18 26	3 37	21 35	1 1	19 39	0 38	8 18	1 55	17 31	0 20	21 38	1 23	8 25	17 12	4 32	3 50	14 22	12 9	1 7
F 19	20 30	0 53	1n 2	23 43	1 7	18 36	3 35	21 26	1 1	19 41	0 38	8 19	1 56	17 31	0 20	21 38	1 23	8 25	17 13	4 32	3 51	14 20	12 9	1 7
S 20	20 18	2s57	2 5	23 37	1 13	18 46	3 33	21 16	1 1	19 43	0 38	8 20	1 56	17 32	0 20	21 38	1 23	8 26	17 14	4 31	3 52	14 19	12 9	1 7
S 21	20 5 6	46 3	3 23	31 1	18 18	56 3	31 21	6 1	2 19	45 0	38 8	21 1	56 17	32 0	20 21	39 1	23 8	26 17	14 4	31 3	54 14	18 12	10 1	7
M22	19 51	10 21	3 54	23 23	1 23	19 5	3 29	20 56	1 2	19 47	0 39	8 23	1 56	17 33	0 20	21 39	1 23	8 27	17 15	4 31	3 55	14 17	12 10	1 7
T 23	19 38	13 33	4 34	23 14	1 28	19 14	3 27	20 46	1 2	19 49	0 39	8 24	1 56	17 33	0 20	21 39	1 23	8 27	17 15	4 32	3 56	14 16	12 10	1 7
W24	19 24	16 8	5 0	23 3	1 33	19 23	3 24	20 36	1 2	19 51	0 39	8 25	1 57	17 34	0 20	21 39	1 23	8 28	17 16	4 33	3 57	14 15	12 10	1 7
T 25	19 9 17	50 5	9 22	51 1	37 19	31 3	22 20	25 1	2 19	53 0	39 8	27 1	57 17	34 0	20 21	39 1	23 8	28 17	16 4	35 3	59 14	14 12	10 1	7
F 26	18 55	18 25	4 59	22 37	1 41	19 39	3 19	20 14	1 3	19 55	0 39	8 28	1 57	17 35	0 20	21 39	1 23	8 29	17 17	4 38	4 0	14 12	12 10	1 7
S 27	18 40	17 45	4 28	22 23	1 45	19 47	3 16	20 3	1 3	19 57	0 39	8 30	1 57	17 35	0 20	21 39	1 23	8 30	17 18	4 40	4 1	14 11	12 11	1 7
S 28	18 24	15 48	3 37	22 6	1 49	19 55	3 13	19 52	1 3	19 59	0 39	8 31	1 57	17 35	0 20	21 39	1 23	8 30	17 18	4 43	4 2	14 10	12 11	1 7
M29	18 9 12	44 2	31 21	4																				

SWISS EPHEMERIS for the year 1979

FEBRUARY 1979

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	8 42 26	11 ³¹ 27	3 ²⁸ 28	5 ⁴³ 43	25 ¹² 12	8 ⁵¹ 51	3 ⁴ R 4	12 ⁴⁰ R40	20 ⁴⁵ M.45	19 ⁴⁹ 19.49	19 ¹² R12	17 ⁵⁷ 17.57	19 ³⁵ 19.35	12 ²⁴ 12.24	5 ¹¹ 5.11	
F 2	8 46 22	12 ³² 22	17 ³⁰ 30	7 ²³ 23	26 ¹⁷ 17	9 ³⁸ 38	2 ⁵⁶ 2.56	12 ³⁷ 12.37	20 ⁴⁶ 20.46	19 ⁵⁰ 19.50	19 ¹¹ 19.11	17 ⁵⁹ 17.59	19 ³² 19.32	12 ³⁰ 12.30	5 ¹² 5.12	
S 3	8 50 19	13 ³³ 16	1 ⁸ 5	9 ⁴ 9.4	27 ²³ 23	10 ²⁵ 25	2 ⁴⁸ 2.48	12 ³³ 12.33	20 ⁴⁷ 20.47	19 ⁵² 19.52	19 ¹¹ 19.11	18 ⁰ 18.0	19 ²⁹ 19.29	12 ³⁷ 12.37	5 ¹³ 5.13	
S 4	8 54 15	14 ³⁴ 08	14 ¹⁶ 16	10 ⁴⁶ 46	28 ²⁸ 28	11 ¹² 12	2 ⁴⁰ 2.40	12 ²⁹ 12.29	20 ⁴⁹ 20.49	19 ⁵³ 19.53	19 ¹⁰ 19.10	18 ¹ 18.1	19 ²⁶ 19.26	12 ⁴⁴ 12.44	5 ¹⁴ 5.14	
M 5	8 58 12	15 ³⁴ 58	27 ⁵ 5	12 ²⁹ 12.29	29 ³⁴ 34	11 ⁵⁹ 59	2 ³³ 2.33	12 ²⁵ 12.25	20 ⁵⁰ 20.50	19 ⁵⁵ 19.55	19 ¹⁰ 19.10	18 ⁰ 18.0	19 ²² 19.22	12 ⁵⁰ 12.50	5 ¹⁵ 5.15	
T 6	9 2 8	16 ³⁵ 47	9 ³⁶ 36	14 ¹² 12	0 ⁴¹ 41	12 ⁴⁶ 46	2 ²⁵ 2.25	12 ²¹ 12.21	20 ⁵¹ 20.51	19 ⁵⁶ 19.56	19 ⁹ 19.9	17 ⁵⁸ 17.58	19 ¹⁹ 19.19	12 ⁵⁷ 12.57	5 ¹⁷ 5.17	
W 7	9 6 5	17 ³⁶ 35	21 ⁵² 52	15 ⁵⁶ 56	1 ⁴⁷ 47	13 ³⁴ 34	2 ¹⁷ 2.17	12 ¹⁷ 12.17	20 ⁵² 20.52	19 ⁵⁸ 19.58	19 ⁹ 19.9	17 ⁵⁵ 17.55	19 ¹⁶ 19.16	13 ⁴ 13.4	5 ¹⁸ 5.18	
T 8	9 10 2	18 ³⁷ 22	3 ⁵⁸ 58	17 ⁴¹ 41	2 ⁵⁴ 54	14 ²¹ 21	2 ¹⁰ 2.10	12 ¹³ 12.13	20 ⁵³ 20.53	19 ⁵⁹ 19.59	19 ⁸ 19.8	17 ⁵⁰ 17.50	19 ¹³ 19.13	13 ¹¹ 13.11	5 ¹⁹ 5.19	
F 9	9 13 58	19 ³⁸ 06	15 ⁵⁶ 56	19 ²⁷ 27	4 ¹ 1	15 ⁸ 8	2 ³ 2.3	12 ⁸ 12.8	20 ⁵³ 20.53	20 ⁰ 20.0	19 ⁸ 19.8	17 ⁴⁵ 17.45	19 ¹⁰ 19.10	13 ¹⁷ 13.17	5 ²¹ 5.21	
S 10	9 17 55	20 ³⁸ 50	27 ⁴⁹ 49	21 ¹³ 13	5 ⁸ 5.8	15 ⁵⁵ 55	1 ⁵⁵ 1.55	12 ⁴ 12.4	20 ⁵⁴ 20.54	20 ² 20.2	19 ⁷ 19.7	17 ⁴⁰ 17.40	19 ⁶ 19.6	13 ²⁴ 13.24	5 ²² 5.22	
S 11	9 21 51	21 ³⁹ 32	9 ³⁹ 39	23 ⁰ 23.0	6 ¹⁵ 15	16 ⁴³ 43	1 ⁴⁸ 1.48	12 ⁰ 12.0	20 ⁵⁵ 20.55	20 ³ 20.3	19 ⁶ 19.6	17 ³⁵ 17.35	19 ³ 19.3	13 ³¹ 13.31	5 ²⁴ 5.24	
M12	9 25 48	22 ⁴⁰ 13	21 ²⁸ 28	24 ⁴⁸ 48	7 ²² 22	17 ³⁰ 30	1 ⁴¹ 1.41	11 ⁵⁶ 11.56	20 ⁵⁶ 20.56	20 ⁴ 20.4	19 ⁶ 19.6	17 ³² 17.32	19 ⁰ 19.0	13 ³⁷ 13.37	5 ²⁵ 5.25	
T 13	9 29 44	23 ⁴⁰ 52	3 ³⁹ 39	26 ³⁶ 36	8 ³⁰ 30	18 ¹⁷ 17	1 ³⁴ 1.34	11 ⁵¹ 11.51	20 ⁵⁶ 20.56	20 ⁶ 20.6	19 ⁵ 19.5	17 ²⁹ 17.29	18 ⁵⁷ 18.57	13 ⁴⁴ 13.44	5 ²⁷ 5.27	
W14	9 33 41	24 ⁴¹ 30	15 ¹² 12	28 ²⁶ 26	9 ³⁸ 38	19 ⁴ 19.4	1 ²⁷ 1.27	11 ⁴⁷ 11.47	20 ⁵⁷ 20.57	20 ⁷ 20.7	19 ⁴ 19.4	17 ²⁹ 17.29	18 ⁵⁴ 18.54	13 ⁵¹ 13.51	5 ²⁹ 5.29	
T 15	9 37 37	25 ⁴² 06	27 ¹¹ 11	0 ¹⁵ 15	10 ⁴⁵ 45	19 ⁵² 52	1 ²⁰ 1.20	11 ⁴² 11.42	20 ⁵⁸ 20.58	20 ⁸ 20.8	19 ³ 19.3	17 ²⁹ 17.29	18 ⁵¹ 18.51	13 ⁵⁷ 13.57	5 ³⁰ 5.30	
F 16	9 41 34	26 ⁴² 41	9 ¹⁷ 17	2 ⁶ 2.6	11 ⁵³ 53	20 ³⁹ 39	1 ¹⁴ 1.14	11 ³⁸ 11.38	20 ⁵⁸ 20.58	20 ⁹ 20.9	19 ³ 19.3	17 ³⁰ 17.30	18 ⁴⁷ 18.47	14 ⁴ 14.4	5 ³² 5.32	
S 17	9 45 31	27 ⁴³ 15	21 ³⁵ 35	3 ⁵⁷ 57	13 ² 13.2	21 ²⁶ 26	1 ⁷ 1.7	11 ³³ 11.33	20 ⁵⁹ 20.59	20 ¹⁰ 20.10	19 ² 19.2	17 ³² 17.32	18 ⁴⁴ 18.44	14 ¹¹ 14.11	5 ³⁴ 5.34	
S 18	9 49 27	28 ⁴³ 48	4 ⁶ 6	5 ⁴⁸ 48	14 ¹⁰ 10	22 ¹⁴ 14	1 ¹ 1.1	11 ²⁸ 11.28	20 ⁵⁹ 20.59	20 ¹¹ 20.11	19 ¹ 19.1	17 ³³ 17.33	18 ⁴¹ 18.41	14 ¹⁷ 14.17	5 ³⁶ 5.36	
M19	9 53 24	29 ⁴⁴ 19	16 ⁵⁵ 55	7 ³⁹ 39	15 ¹⁸ 18	23 ¹ 23.1	0 ⁵⁵ 0.55	11 ²⁴ 11.24	20 ⁵⁹ 20.59	20 ¹² 20.12	19 ⁰ 19.0	17 ³⁴ 17.34	18 ³⁸ 18.38	14 ²⁴ 14.24	5 ³⁸ 5.38	
T 20	9 57 20	0 ⁴⁴ 49	0 ⁴ 4	9 ³¹ 31	16 ²⁷ 27	23 ⁴⁸ 48	0 ⁴⁸ 0.48	11 ¹⁹ 11.19	21 ⁰ 21.0	20 ¹³ 20.13	18 ⁵⁹ 18.59	17 ³⁵ 17.35	18 ³⁵ 18.35	14 ³¹ 14.31	5 ⁴⁰ 5.40	
W21	10 1 17	1 ⁴⁵ 18	13 ³⁹ 39	11 ²² 22	17 ³⁶ 36	24 ³⁶ 36	0 ⁴² 0.42	11 ¹⁴ 11.14	21 ⁰ 21.0	20 ¹⁵ 20.15	18 ⁵⁸ 18.58	17 ³⁴ 17.34	18 ³² 18.32	14 ³⁷ 14.37	5 ⁴² 5.42	
T 22	10 5 13	2 ⁴⁵ 46	27 ³⁸ 38	13 ¹³ 13	18 ⁴⁵ 45	25 ²³ 23	0 ³⁷ 0.37	11 ¹⁰ 11.10	21 ⁰ 21.0	20 ¹⁶ 20.16	18 ⁵⁷ 18.57	17 ³³ 17.33	18 ²⁸ 18.28	14 ⁴⁴ 14.44	5 ⁴⁴ 5.44	
F 23	10 9 10	3 ⁴⁶ 12	12 ³ 3	15 ³ 3	19 ⁵⁴ 54	26 ¹⁰ 10	0 ³¹ 0.31	11 ⁵ 11.5	21 ⁰ 21.0	20 ¹⁶ 20.16	18 ⁵⁶ 18.56	17 ³² 17.32	18 ²⁵ 18.25	14 ⁵¹ 14.51	5 ⁴⁶ 5.46	
S 24	10 13 6	4 ⁴⁶ 37	26 ⁴⁶ 46	16 ⁵³ 53	21 ³ 21.3	26 ⁵⁸ 58	0 ²⁵ 0.25	11 ⁰ 11.0	21 ^R 21.R	20 ¹⁷ 20.17	18 ⁵⁵ 18.55	17 ³⁰ 17.30	18 ²² 18.22	14 ⁵⁷ 14.57	5 ⁴⁸ 5.48	
S 25	10 17 3	5 ⁴⁷ 01	11 ⁴⁷ 47	18 ⁴¹ 41	22 ¹² 12	27 ⁴⁵ 45	0 ²⁰ 0.20	10 ⁵⁵ 10.55	21 ⁰ 21.0	20 ¹⁸ 20.18	18 ⁵⁴ 18.54	17 ²⁹ 17.29	18 ¹⁹ 18.19	15 ⁴ 15.4	5 ⁵¹ 5.51	
M26	10 21 0	6 ⁴⁷ 22	26 ⁵⁵ 55	20 ²⁸ 28	23 ²¹ 21	28 ³² 32	0 ¹⁵ 0.15	10 ⁵¹ 10.51	21 ⁰ 21.0	20 ¹⁹ 20.19	18 ⁵³ 18.53	17 ²⁸ 17.28	18 ¹⁶ 18.16	15 ¹¹ 15.11	5 ⁵³ 5.53	
T 27	10 24 56	7 ⁴⁷ 43	12 ³ 3	22 ¹³ 13	24 ³¹ 31	29 ²⁰ 20	0 ¹⁰ 0.10	10 ⁴⁶ 10.46	21 ⁰ 21.0	20 ²⁰ 20.20	18 ⁵² 18.52	17 ^{D27} 17.D27	18 ¹² 18.12	15 ¹⁷ 15.17	5 ⁵⁵ 5.55	
W28	10 28 53	8 ⁴⁸ 01	26 ⁵⁹ 59	23 ⁵⁵ 55	25 ⁴⁰ 40	0 ³ 0.3	0 ⁶ 0.6	10 ⁴¹ 10.41	21 ⁰ 21.0	20 ²¹ 20.21	18 ⁵⁰ 18.50	17 ²⁷ 17.27	18 ⁹ 18.9	15 ^{D24} 15.D24	5 ⁵⁸ 5.58	

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	17s20	0n 6	1s24	20s46	2s 0	20s20	3n 1	19s 4	1s 4	20n 7	0n40	8n37	1n58	17s37	0n20	21s40	1n23	8n33	17n20	4n46	4n 7	14n 5	12n12	1s 7
F 2	17 3	4 29	2 34	20 23	2 1	20 25	2 58	18 52	1 4	20 9	0 40	8 39	1 58	17 37	0 20	21 40	1 24	8 33	17 21	4 45	4 9	14 4	12 12	1 7
S 3	16 45	8 30	3 34	19 58	2 3	20 30	2 55	18 39	1 4	20 11	0 40	8 41	1 59	17 37	0 20	21 40	1 24	8 34	17 21	4 44	4 10	14 3	12 13	1 7
S 4	16 28	11 58	4 20	19 31	2 4	20 35	2 51	18 26	1 4	20 13	0 40	8 42	1 59	17 38	0 20	21 40	1 24	8 35	17 22	4 44	4 11	14 2	12 13	1 7
M 5	16 10	14 46	4 52	19 3	2 5	20 39	2 48	18 13	1 4	20 15	0 40	8 44	1 59	17 38	0 20	21 40	1 24	8 35	17 23	4 45	4 12	14 1	12 13	1 7
T 6	15 52	16 47	5 9	18 34	2 5	20 42	2 44	18 0	1 4	20 16	0 40	8 46	1 59	17 38	0 20	21 40	1 24	8 36	17 23	4 45	4 14	14 0	12 14	1 7
W 7	15 33	18 0	5 12	18 3	2 5	20 45	2 40	17 47	1 4	20 18	0 40	8 48	1 59	17 39	0 20	21 40	1 24	8 37	17 24	4 47	4 15	13 58	12 14	1 7
T 8	15 15	18 22	5 1	17 30	2 4	20 48	2 37	17 33	1 4	20 20	0 40	8 49	2 0	17 39	0 20	21 40	1 24	8 37	17 24	4 49	4 16	13 57	12 15	1 7
F 9	14 56	17 55	4 36	16 57	2 3	20 50	2 33	17 19	1 4	20 22	0 40	8 51	2 0	17 39	0 20	21 40	1 24	8 38	17 25	4 51	4 17	13 56	12 15	1 7
S 10	14 37	16 41	4 0	16 21	2 2	20 51	2 29	17 6	1 5	20 23	0 41	8 53	2 0	17 39	0 20	21 40	1 24	8 39	17 25	4 53	4 19	13 55	12 16	1 7
S 11	14 17	14 44	3 13	15 44	2 0	20 52	2 25	16 51	1 5	20 25	0 41	8 55	2 0	17 39	0 20	21 40	1 24	8 40	17 26	4 54	4 20	13 54	12 16	1 7
M12	13 57	12 10	2 18	15 6	1 5	20 53	2 22	16 37	1 5	20 27	0 41	8 56	2 0	17 40	0 20	21 40	1 24	8 40	17 26	4 56	4 21	13 52	12 17	1 7
T 13	13 38	9 5	1 17	14 26	1 5	20 53	2 18	16 23	1 5	20 28	0 41	8 58	2 0	17 40	0 20	21 41	1 24	8 41	17 27	4 57	4 22	13 51	12 17	1 7
W14	13 17	5 38	0 13	13 45	1 5	20 52	2 14	16 8	1 5	20 30	0 41	9 0	2 0	17 40	0 20	21 41	1 24	8 42	17 27	4 57	4 24	13 50	12 18	1 7
T 15	12 57	1 56	0n53	13 3	1 4	20 51	2 10	15 53	1 5	20 32	0 41	9 2	2 1	17 40	0 20	21 41	1 24	8 43	17 28	4 57	4 25	13 49	12 18	1 7
F 16	12 37	1s53	1 58	12 19	1 4	20 49	2 6	15 38	1 5	20 33	0 41	9 4	2 1	17 40	0 20	21 41	1 24	8 43	17 28	4 56	4 26	13 48	12 19	1 7
S 17	12 16	5 40	2 58	11 34	1 3	20 47	2 2	15 23	1 5	20 35	0 41	9 6	2 1	17 40	0 20	21 41	1 24	8						

SWISS EPHEMERIS for the year 1979

MARCH 1979

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	10 32 49	9°48'17	11°37	25°34	26°50	0°54	29°R59	10°R36	21°R 0	20°22	18°R49	17°28	18° 6	15°231	6° 0	
F 2	10 36 46	10°48'32	25°51	27°10	28° 0	1°42	29°55	10°31	20°59	20°22	18°48	17°28	18° 3	15°37	6° 2	
S 3	10 40 42	11°48'45	9°38	28°42	29°10	2°29	29°51	10°27	20°59	20°23	18°47	17°29	18° 0	15°44	6° 5	
S 4	10 44 39	12°48'55	22°58	0°9	0°20	3°16	29°47	10°22	20°59	20°24	18°46	17°29	17°57	15°51	6° 7	
M 5	10 48 35	13°49'04	5°54	1°30	1°29	4° 4	29°43	10°17	20°58	20°24	18°44	17°30	17°53	15°57	6°10	
T 6	10 52 32	14°49'10	18°27	2°46	2°40	4°51	29°39	10°12	20°58	20°25	18°43	17°R30	17°50	16° 4	6°13	
W 7	10 56 29	15°49'14	0°43	3°56	3°50	5°38	29°35	10° 7	20°57	20°25	18°42	17°30	17°47	16°11	6°15	
T 8	11 0 25	16°49'16	12°47	4°58	5° 0	6°26	29°32	10° 3	20°56	20°26	18°40	17°30	17°44	16°17	6°18	
F 9	11 4 22	17°49'16	24°41	5°54	6°10	7°13	29°28	9°58	20°56	20°26	18°39	17°D30	17°41	16°24	6°21	
S 10	11 8 18	18°49'14	6°30	6°41	7°21	8° 0	29°25	9°53	20°55	20°27	18°37	17°30	17°37	16°31	6°24	
S 11	11 12 15	19°49'10	18°18	7°20	8°31	8°48	29°22	9°49	20°54	20°27	18°36	17°30	17°34	16°37	6°27	
M12	11 16 11	20°49'04	0°9	7°51	9°42	9°35	29°19	9°44	20°54	20°28	18°35	17°30	17°31	16°44	6°29	
T 13	11 20 8	21°48'55	12° 4	8°13	10°52	10°22	29°17	9°39	20°53	20°28	18°33	17°R30	17°28	16°51	6°32	
W14	11 24 4	22°48'45	2° 5	8°27	12° 3	11° 9	29°14	9°35	20°52	20°28	18°32	17°30	17°25	16°57	6°35	
T 15	11 28 1	23°48'33	6°16	8°R31	13°14	11°57	29°12	9°30	20°51	20°29	18°30	17°30	17°22	17° 4	6°38	
F 16	11 31 57	24°48'19	18°36	8°28	14°24	12°44	29°10	9°25	20°50	20°29	18°29	17°29	17°18	17°11	6°41	
S 17	11 35 54	25°48'02	1°9	8°15	15°35	13°31	29° 8	9°21	20°49	20°29	18°27	17°28	17°15	17°17	6°44	
S 18	11 39 51	26°47'45	13°55	7°56	16°46	14°18	29° 7	9°16	20°48	20°29	18°26	17°27	17°12	17°24	6°47	
M19	11 43 47	27°47'25	2°55	7°28	17°57	15° 5	29° 5	9°12	20°47	20°30	18°24	17°26	17° 9	17°31	6°50	
T 20	11 47 44	28°47'04	10°11	6°54	19° 8	15°52	29° 4	9° 8	20°45	20°30	18°23	17°25	17° 6	17°37	6°54	
W21	11 51 40	29°46'41	23°44	6°15	20°19	16°40	29° 3	9° 3	20°44	20°30	18°21	17°D24	17° 3	17°44	6°57	
T 22	11 55 37	0°46'16	7°34	5°30	21°31	17°27	29° 2	8°59	20°43	20°30	18°20	17°24	16°59	17°51	7° 0	
F 23	11 59 33	1°45'49	21°43	4°42	22°42	18°14	29° 1	8°55	20°42	20°R30	18°18	17°25	16°56	17°57	7° 3	
S 24	12 3 30	2°45'21	6° 7	3°51	23°53	19° 1	29° 1	8°51	20°40	20°30	18°16	17°26	16°53	18° 4	7° 7	
S 25	12 7 26	3°44'51	20°44	2°58	25° 4	19°48	29° 0	8°46	20°39	20°30	18°15	17°27	16°50	18°11	7°10	
M26	12 11 23	4°44'19	5°30	2° 5	26°16	20°35	29°D 0	8°42	20°37	20°30	18°13	17°28	16°47	18°17	7°13	
T 27	12 15 20	5°43'46	20°18	1°13	27°27	21°22	29° 0	8°38	20°36	20°30	18°11	17°R28	16°43	18°24	7°17	
W28	12 19 16	6°43'10	5°9	0°22	28°39	22° 9	29° 1	8°34	20°34	20°29	18°10	17°28	16°40	18°30	7°20	
T 29	12 23 13	7°42'32	19°32	29°33	29°50	22°56	29° 1	8°30	20°33	20°29	18° 8	17°26	16°37	18°37	7°23	
F 30	12 27 9	8°41'52	3°45	28°48	1° 2	23°43	29° 2	8°27	20°31	20°29	18° 7	17°23	16°34	18°44	7°27	
S 31	12 31 6	9°41'10	17°36	28° 7	2°13	24°30	29° 3	8°23	20°29	20°29	18° 5	17°20	16°31	18°50	7°30	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	7s54	2n36	2s10	1s32	0n15	19s37	1n12	12s10	1s 5	20n50	0n41	9n28	2n 2	17s40	0n21	21s41	1n24	8n54	17n34	4n57	4n42	13n32	12n28	1s 7
F 2	7 31	6 55	3 18	0 42	0 28	19 28	1 8	11 53	1 5	20 51	0 41	9 30	2 2	17 40	0 21	21 41	1 25	8 54	17 34	4 57	4 44	13 31	12 28	1 7
S 3	7 8	10 43	4 11	0n 7	0 42	19 18	1 3	11 36	1 5	20 51	0 41	9 32	2 2	17 40	0 21	21 41	1 25	8 55	17 35	4 57	4 45	13 29	12 29	1 7
S 4	6 45	13 51	4 49	0 54	0 55	19 7	0 59	11 19	1 5	20 52	0 41	9 34	2 2	17 40	0 21	21 41	1 25	8 56	17 35	4 57	4 46	13 28	12 30	1 7
M 5	6 22	16 11	5 11	1 40	1 9	18 56	0 55	11 1	1 5	20 53	0 41	9 36	2 2	17 40	0 21	21 41	1 25	8 57	17 36	4 56	4 47	13 27	12 31	1 7
T 6	5 59	17 40	5 18	2 23	1 23	18 44	0 51	10 44	1 5	20 54	0 41	9 38	2 2	17 40	0 21	21 41	1 25	8 58	17 36	4 56	4 48	13 26	12 32	1 8
W 7	5 36	18 17	5 10	3 3	1 37	18 32	0 47	10 27	1 5	20 55	0 42	9 40	2 3	17 40	0 21	21 41	1 25	8 58	17 36	4 56	4 50	13 24	12 33	1 8
T 8	5 12	18 3	4 48	3 41	1 51	18 19	0 43	10 9	1 4	20 56	0 42	9 42	2 3	17 40	0 21	21 41	1 25	8 59	17 37	4 57	4 51	13 23	12 33	1 8
F 9	4 49	17 2	4 14	4 15	2 5	18 6	0 39	9 51	1 4	20 56	0 42	9 43	2 3	17 39	0 21	21 41	1 25	9 0	17 37	4 57	4 52	13 22	12 34	1 8
S 10	4 25	15 16	3 29	4 46	2 18	17 53	0 35	9 34	1 4	20 57	0 42	9 45	2 3	17 39	0 21	21 41	1 25	9 1	17 37	4 56	4 53	13 21	12 35	1 8
S 11	4 2	12 53	2 35	5 13	2 30	17 38	0 31	9 16	1 4	20 58	0 42	9 47	2 3	17 39	0 21	21 41	1 25	9 2	17 38	4 56	4 55	13 19	12 36	1 8
M12	3 38	9 56	1 35	5 36	2 42	17 24	0 27	8 58	1 4	20 58	0 42	9 49	2 3	17 39	0 21	21 41	1 25	9 2	17 38	4 56	4 56	13 18	12 37	1 8
T 13	3 15	6 34	0 30	5 55	2 53	17 8	0 23	8 40	1 4	20 59	0 42	9 51	2 3	17 39	0 21	21 41	1 25	9 3	17 38	4 56	4 57	13 17	12 38	1 8
W14	2 51	2 54	0n37	6 9	3 3	16 53	0 19	8 22	1 4	20 59	0 42	9 52	2 3	17 38	0 21	21 41	1 25	9 4	17 38	4 56	4 58	13 16	12 39	1 8
T 15	2 28	0s55	1 42	6 19	3 12	16 37	0 15	8 4	1 4	21 0	0 42	9 54	2 3	17 38	0 21	21 41	1 25	9 5	17 39	4 56	5 0	13 14	12 40	1 8
F 16	2 4	4 45	2 44	6 24	3 19	16 20	0 11	7 46	1 3	21 0	0 42	9 56	2 3	17 38	0 21	21 41	1 25	9 6	17 39	4 57	5 1	13 13	12 41	1 8
S 17	1 40	8 27	3 39	6 25	3 25	16 3	0 7	7 27	1 3	21 0	0 42	9 58	2 3	17 38	0 21	21 41	1 25	9 6	17 39	4 57	5 2	13 12	12 42	1 8
S 18	1 16	11 48	4 25	6 21	3 29	15 45	0 4	7 9	1 3	21 1	0 42	9 59	2 3	17 37	0 21	21 41	1 25	9 7	17 39	4 58	5 3	13 11	12 43	1 8
M19	0 53	14 39	4 57	6 12	3 32	15 27	0s 0	6 51	1 3	21 1	0 41	10 1	2 3	17 37	0 21	21 41	1 25	9 8	17 40	4 58	5 5	13 9	12 44	1 8
T 20	0 29	16 47	5 15	6 0	3 33	15 9	0 4	6 32	1 3	21 1	0 41	10 3	2 3	17 37	0 21	21 41	1 25	9 9	17 40	4 58	5 6	13 8	12 45	1 8
W21	0 5	18 3	5 15	5 43	3 31	14 50	0 7	6 14	1 3	21 2	0 41	10 4	2 3	17 36	0 21	21 41	1 25	9 9	17 40	4 59	5 7	13 7	12 46	1 8
T 22	0n18	18 16	4 58	5 23	3 28	14 30	0 11	5 55	1 2	21 2	0 41	10 6	2 3	17 36	0 21	21 41	1 25	9 10	17 40	4 59	5 8	13 6	12 47	1 8
F 23	0 42	17 22	4 22	4 59	3 23	14 11	0 14	5 36	1 2	21 2	0 41	10 7	2 3	17 36	0 21	21 41	1 25	9 11	17 41	4 58	5 10	13 4	12 48	1 8
S 24	1 6	15 21	3 30	4 32	3 17	13 50	0 18	5 18	1 2	21 2	0 41	10 9	2 3	17 35	0 21	21 41	1 25	9 12	17 41	4 58	5 11	13 3	12 49	1 8
S 25	1 29	12 19	2 23	4 4	3 8	13 30	0 21	4 59	1 2	21 2	0 41	10 10	2 3	17 35	0 21	21 41	1 25	9 12	17 41	4 57	5 12	13 2	12 50	1 8
M26	1 53	8 28	1 6	3 33	2 58	13 9	0 25	4 40	1 2	21 2	0 41	10 12	2 3	17 34	0 21	21 41	1 26	9 13	17 41	4 57	5 13	13 0	12 51	1 8
T 27	2 17	4 5	0s16	3 2	2 47	12 48	0 28	4 22	1 2	21 2	0 41	10 13	2 3	17 34	0 21	21 41	1 26	9 14	17 41	4 57	5 14	12 59	12 52	1 8
W28	2 40	0n32	1 36	2 30	2 34	12 26	0 31	4 3	1 2	21 2	0 41	10 15	2 3	17 34	0 21	21 41	1 26	9 15	17 41	4 57	5 16	12 58	12 53	1 8
T 29	3 4	5 3	2 48	1 58	2 21	12 4	0 34	3 44	1 2	21 2	0 41	10 16	2 2	17 33	0 21	21 40	1 26	9 15	17 41					

SWISS EPHEMERIS for the year 1979

APRIL 1979

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅	
S 1	12 35 2	10°Y40'26	1II 2	27°R31	3X25	25X17	29☾ 4	8°R19	20°R28	20°R29	18°R 3	17°R17	16II28	18Ω57	7Ω34
M 2	12 38 59	11°39'40	14° 3	26X59	4°37	26° 4	29° 5	8II16	20II26	20X28	18Ω 2	17II14	16°24	19° 4	7°37
T 3	12 42 55	12°38'51	26°41	26°33	5°48	26°51	29° 6	8°12	20°24	20°28	18° 0	17°12	16°21	19°10	7°41
W 4	12 46 52	13°38'00	9☾ 1	26°13	7° 0	27°37	29° 8	8° 9	20°22	20°28	17°58	17°D10	16°18	19°17	7°44
T 5	12 50 49	14°37'06	21° 5	25°57	8°12	28°24	29°10	8° 5	20°20	20°27	17°57	17°11	16°15	19°24	7°48
F 6	12 54 45	15°36'11	2Ω59	25°48	9°23	29°11	29°12	8° 2	20°19	20°27	17°55	17°12	16°12	19°30	7°51
S 7	12 58 42	16°35'13	14°48	25°D44	10°35	29°58	29°14	7°59	20°17	20°26	17°53	17°13	16° 8	19°37	7°55
S 8	13 2 38	17°34'12	26°37	25°45	11°47	0Y44	29°16	7°55	20°15	20°26	17°51	17°15	16° 5	19°44	7°59
M 9	13 6 35	18°33'10	8II29	25°52	12°59	1°31	29°19	7°52	20°13	20°25	17°50	17°16	16° 2	19°50	8° 2
T 10	13 10 31	19°32'05	20°30	26° 4	14°11	2°18	29°22	7°49	20°11	20°25	17°48	17°R17	15°59	19°57	8° 6
W11	13 14 28	20°30'58	2Ω41	26°21	15°23	3° 4	29°25	7°47	20° 9	20°24	17°46	17°16	15°56	20° 4	8°10
T 12	13 18 24	21°29'49	15° 5	26°43	16°35	3°51	29°28	7°44	20° 7	20°23	17°45	17°13	15°53	20°10	8°13
F 13	13 22 21	22°28'38	27°44	27° 9	17°47	4°38	29°31	7°41	20° 4	20°23	17°43	17° 8	15°49	20°17	8°17
S 14	13 26 17	23°27'25	10II37	27°40	18°59	5°24	29°34	7°38	20° 2	20°22	17°41	17° 3	15°46	20°24	8°21
S 15	13 30 14	24°26'10	23°44	28°15	20°11	6°11	29°38	7°36	20° 0	20°21	17°40	16°57	15°43	20°30	8°24
M16	13 34 11	25°24'54	7X 5	28°53	21°23	6°57	29°42	7°33	19°58	20°21	17°38	16°50	15°40	20°37	8°28
T 17	13 38 7	26°23'35	20°39	29°36	22°35	7°43	29°46	7°31	19°56	20°20	17°36	16°45	15°37	20°44	8°32
W18	13 42 4	27°22'15	4Ω23	0Y22	23°47	8°30	29°50	7°29	19°53	20°19	17°35	16°41	15°34	20°50	8°36
T 19	13 46 0	28°20'54	18°17	1°12	24°59	9°16	29°54	7°27	19°51	20°18	17°33	16°39	15°30	20°57	8°40
F 20	13 49 57	29°19'30	2Ω20	2° 4	26°11	10° 2	29°58	7°25	19°49	20°18	17°31	16°D39	15°27	21° 4	8°43
S 21	13 53 53	0Ω18'05	16°30	3° 0	27°23	10°49	0Ω 3	7°23	19°47	20°17	17°30	16°39	15°24	21°10	8°47
S 22	13 57 50	1°16'38	0X47	3°59	28°36	11°35	0° 8	7°21	19°44	20°16	17°28	16°41	15°21	21°17	8°51
M23	14 1 46	2°15'10	15° 8	5° 1	29°48	12°21	0°13	7°19	19°42	20°15	17°27	16°R41	15°18	21°24	8°55
T 24	14 5 43	3°13'40	29°30	6° 5	1Y 0	13° 7	0°18	7°17	19°39	20°14	17°25	16°41	15°14	21°30	8°59
W25	14 9 40	4°12'08	13Y48	7°12	2°12	13°53	0°23	7°16	19°37	20°13	17°23	16°38	15°11	21°37	9° 2
T 26	14 13 36	5°10'35	27°59	8°22	3°25	14°40	0°28	7°14	19°35	20°12	17°22	16°33	15° 8	21°44	9° 6
F 27	14 17 33	6° 9'00	11Ω56	9°34	4°37	15°26	0°34	7°13	19°32	20°11	17°20	16°26	15° 5	21°50	9°10
S 28	14 21 29	7° 7'22	25°37	10°48	5°49	16°12	0°40	7°12	19°30	20°10	17°19	16°18	15° 2	21°57	9°14
S 29	14 25 26	8° 5'44	8II58	12° 5	7° 2	16°58	0°46	7°10	19°27	20° 9	17°17	16° 9	14°59	22° 4	9°18
M30	14 29 22	9Ω 4'03	21II58	13Y24	8Y14	17Y43	0Ω52	7II 9	19II25	20X 8	17Ω15	16II 1	14II55	22Ω10	9Ω21

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♅											
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat							
S 1	4n14	15n26	5 s 2	0n28	1n35	10s56	0s44	2s48	1 s 0	21n 1	0n41	10n20	2n 2	17s32	0n21	21s40	1n26	9n17	17n42	5n 2	5n21	12n53	12n57	1s 8
M 2	4 37	17 17	5 14	0 1	1 19	10 33	0 47	2 29	1 0	21 1	0 41	10 22	2 2	17 31	0 21	21 40	1 26	9 18	17 42	5 3	5 22	12 51	12 58	1 8
T 3	5 0	18 13	5 11	0s24	1 3	10 9	0 49	2 10	0 59	21 1	0 41	10 23	2 2	17 31	0 21	21 40	1 26	9 19	17 42	5 4	5 23	12 50	12 59	1 9
W 4	5 23	18 16	4 52	0 47	0 47	9 45	0 52	1 51	0 59	21 0	0 41	10 24	2 2	17 30	0 21	21 40	1 26	9 20	17 42	5 4	5 24	12 49	13 1	1 9
T 5	5 46	17 29	4 42	1 7	0 32	9 21	0 55	1 32	0 59	21 0	0 41	10 25	2 2	17 30	0 21	21 40	1 26	9 20	17 42	5 4	5 26	12 47	13 2	1 9
F 6	6 9	15 55	3 40	1 25	0 16	8 56	0 58	1 13	0 59	20 59	0 41	10 27	2 2	17 29	0 21	21 40	1 26	9 21	17 42	5 3	5 27	12 46	13 3	1 9
S 7	6 31	13 42	2 49	1 41	0 1	8 32	1 0	0 54	0 58	20 59	0 41	10 28	2 2	17 29	0 21	21 40	1 26	9 21	17 42	5 3	5 28	12 45	13 4	1 9
S 8	6 54	10 54	1 51	1 53	0s13	8 7	1 3	0 35	0 58	20 58	0 41	10 29	2 2	17 28	0 21	21 40	1 26	9 22	17 42	5 2	5 29	12 43	13 5	1 9
M 9	7 16	7 39	0 48	2 3	0 27	7 41	1 5	0 17	0 58	20 58	0 41	10 30	2 2	17 28	0 21	21 40	1 26	9 23	17 42	5 2	5 31	12 42	13 6	1 9
T 10	7 39	4 2	0n18	2 11	0 41	7 16	1 7	0n 2	0 57	20 57	0 41	10 31	2 2	17 27	0 21	21 40	1 26	9 23	17 42	5 1	5 32	12 41	13 7	1 9
W11	8 1	0 12	1 23	2 16	0 53	6 50	1 10	0 21	0 57	20 57	0 41	10 32	2 2	17 27	0 21	21 40	1 26	9 24	17 42	5 2	5 33	12 40	13 8	1 9
T 12	8 23	3s42	2 26	2 19	1 6	6 24	1 12	0 40	0 57	20 56	0 41	10 33	2 1	17 26	0 21	21 40	1 26	9 25	17 42	5 3	5 34	12 38	13 10	1 9
F 13	8 45	7 30	3 23	2 19	1 17	5 58	1 14	0 59	0 56	20 55	0 41	10 34	2 1	17 26	0 21	21 39	1 26	9 25	17 42	5 5	5 35	12 37	13 11	1 9
S 14	9 7	11 2	4 10	2 17	1 28	5 32	1 16	1 17	0 56	20 54	0 41	10 35	2 1	17 25	0 21	21 39	1 26	9 26	17 42	5 7	5 37	12 36	13 12	1 9
S 15	9 28	14 6	4 46	2 12	1 38	5 5	1 18	1 36	0 56	20 54	0 41	10 36	2 1	17 24	0 21	21 39	1 26	9 26	17 42	5 9	5 38	12 34	13 13	1 9
M16	9 50	16 28	5 6	2 5	1 48	4 39	1 20	1 55	0 55	20 53	0 41	10 36	2 1	17 24	0 21	21 39	1 26	9 27	17 42	5 12	5 39	12 33	13 14	1 9
T 17	10 11	17 58	5 10	1 57	1 57	4 12	1 22	2 13	0 55	20 52	0 41	10 37	2 1	17 23	0 21	21 39	1 26	9 27	17 42	5 14	5 40	12 32	13 15	1 9
W18	10 32	18 26	4 56	1 46	2 5	3 45	1 24	2 32	0 54	20 51	0 41	10 38	2 1	17 23	0 21	21 39	1 26	9 28	17 42	5 15	5 42	12 30	13 16	1 9
T 19	10 53	17 49	4 25	1 33	2 12	3 18	1 25	2 51	0 54	20 50	0 41	10 39	2 1	17 22	0 21	21 39	1 26	9 28	17 42	5 16	5 43	12 29	13 18	1 9
F 20	11 14	16 7	3 37	1 18	2 19	2 51	1 27	3 9	0 54	20 49	0 41	10 39	2 1	17 21	0 21	21 39	1 26	9 29	17 42	5 16	5 44	12 28	13 19	1 9
S 21	11 35	13 24	2 36	1 2	2 25	2 24	1 29	3 28	0 53	20 48	0 41	10 40	2 1	17 21	0 21	21 39	1 26	9 29	17 42	5 16	5 45	12 26	13 20	1 10
S 22	11 55	9 52	1 25	0 43	2 31	1 56	1 30	3 46	0 53	20 47	0 41	10 41	2 0	17 20	0 21	21 39	1 27	9 30	17 41	5 16	5 47	12 25	13 21	1 10
M23	12 15	5 44	0 8	0 23	2 36	1 29	1 31	4 5	0 53	20 46	0 41	10 41	2 0	17 20	0 21	21 39	1 27	9 30	17 41	5 15	5 48	12 23	13 22	1 10
T 24	12 35	1 15	1s 9	0 2	2 40	1 1	1 33	4 23	0 52	20 45	0 41	10 42	2 0	17 19	0 21	21 38	1 27	9 31	17 41	5 16	5 49	12 22	13 23	1 10
W25	12 55	3n17	2 21	0n21	2 43	0 33	1 34	4 41	0 52	20 44	0 41	10 42	2 0	17 18	0 21	21 38	1 27	9 31	17 41	5 17	5 50	12 21	13 24	1 10
T 26	13 15	7 35	3 24	0 46	2 46	0 6	1 35	4 59	0 51	20 43	0 41	10 43	2 0	17 18	0 21	21 38	1 27	9 32	17 41	5 18	5 51	12 19	13 26	1 10
F 27	13 34	11 24	4 14	1 12	2 49	0n22	1 36	5 18	0 51	20 41	0 41	10 43	2 0	17 17	0 21	21 38	1 27	9 32	17 41	5 21	5 53	12 18	13 27	1 10
S 28	13 53	14 31	4 47	1 40	2 51	0 50	1 37	5 36	0 50	20 40	0 41	10 43	2 0	17 16	0 21	21 38	1 27	9 33	17 40	5 24	5 54	12 17	13 28	1 10
S 29	14 12	16 47	5 4	2 9	2 52	1 17	1 38	5 54	0 50	20 39	0 41	10 44	2 0	17 16	0 21	21 38	1 27	9 33	17 40	5 28	5 55	12 15	13 29	1 10
M30	14n31	18n 7	5s 5	2n39	2s52	1n45	1s39	6n																

SWISS EPHEMERIS for the year 1979

MAY 1979

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	14 33 19	10♌ 2'20	4♋36	14♋45	9♋26	18♋29	0♌58	7°R 8	19°R22	20°R 6	17°R14	15°R54	14♎52	22♎17	9♏25	
W 2	14 37 15	11° 0'35	16°57	16° 8	10°39	19°15	1° 4	7♎ 8	19♎20	20♎ 5	17♎12	15♎49	14°49	22°24	9°29	
T 3	14 41 12	11°58'48	29° 2	17°34	11°51	20° 1	1°11	7° 7	19°17	20° 4	17°11	15°46	14°46	22°30	9°33	
F 4	14 45 9	12°56'59	10♌57	19° 1	13° 4	20°47	1°17	7° 6	19°15	20° 3	17° 9	15°D45	14°43	22°37	9°37	
S 5	14 49 5	13°55'08	22°46	20°30	14°16	21°32	1°24	7° 6	19°12	20° 2	17° 8	15°45	14°40	22°43	9°41	
S 6	14 53 2	14°53'15	4♎36	22° 2	15°28	22°18	1°31	7° 5	19°10	20° 1	17° 7	15°46	14°36	22°50	9°44	
M 7	14 56 58	15°51'20	16°30	23°35	16°41	23° 4	1°38	7° 5	19° 7	19°59	17° 5	15°R46	14°33	22°57	9°48	
T 8	15 0 55	16°49'24	28°35	25°10	17°53	23°49	1°45	7° 5	19° 5	19°58	17° 4	15°45	14°30	23° 3	9°52	
W 9	15 4 51	17°47'25	10♌54	26°48	19° 6	24°35	1°52	7° 5	19° 2	19°57	17° 2	15°42	14°27	23°10	9°56	
T 10	15 8 48	18°45'25	23°30	28°27	20°18	25°20	2° 0	7°D 5	19° 0	19°55	17° 1	15°37	14°24	23°17	10° 0	
F 11	15 12 44	19°43'23	6♎25	0♌ 8	21°31	26° 5	2° 7	7° 5	18°57	19°54	17° 0	15°29	14°20	23°23	10° 3	
S 12	15 16 41	20°41'19	19°39	1°52	22°43	26°51	2°15	7° 5	18°55	19°53	16°58	15°20	14°17	23°30	10° 7	
S 13	15 20 38	21°39'14	3♌11	3°37	23°56	27°36	2°23	7° 5	18°52	19°51	16°57	15° 9	14°14	23°37	10°11	
M14	15 24 34	22°37'07	16°57	5°24	25° 8	28°21	2°31	7° 6	18°50	19°50	16°56	14°58	14°11	23°43	10°15	
T 15	15 28 31	23°34'59	0♌55	7°13	26°21	29° 7	2°39	7° 6	18°47	19°49	16°54	14°49	14° 8	23°50	10°19	
W16	15 32 27	24°32'50	15° 1	9° 4	27°33	29°52	2°47	7° 7	18°45	19°47	16°53	14°42	14° 5	23°57	10°22	
T 17	15 36 24	25°30'39	29°10	10°58	28°46	0♌37	2°55	7° 7	18°42	19°46	16°52	14°37	14° 1	24° 3	10°26	
F 18	15 40 20	26°28'28	13♌19	12°53	29°59	1°22	3° 4	7° 8	18°40	19°44	16°51	14°34	13°58	24°10	10°30	
S 19	15 44 17	27°26'15	27°28	14°50	1♌11	2° 7	3°12	7° 9	18°37	19°43	16°49	14°D34	13°55	24°17	10°34	
S 20	15 48 13	28°24'01	11♌34	16°49	2°24	2°52	3°21	7°10	18°35	19°41	16°48	14°R34	13°52	24°23	10°37	
M21	15 52 10	29°21'45	25°37	18°49	3°36	3°37	3°29	7°11	18°32	19°40	16°47	14°34	13°49	24°30	10°41	
T 22	15 56 7	0♎19'29	9♋6	20°52	4°49	4°22	3°38	7°13	18°30	19°38	16°46	14°32	13°46	24°37	10°45	
W23	16 0 3	1°17'12	23°29	22°56	6° 2	5° 6	3°47	7°14	18°27	19°37	16°45	14°27	13°42	24°43	10°48	
T 24	16 4 0	2°14'54	7♌14	25° 2	7°14	5°51	3°56	7°15	18°25	19°35	16°44	14°20	13°39	24°50	10°52	
F 25	16 7 56	3°12'34	20°49	27°10	8°27	6°36	4° 6	7°17	18°22	19°34	16°43	14°10	13°36	24°57	10°56	
S 26	16 11 53	4°10'14	4♎10	29°18	9°40	7°21	4°15	7°19	18°20	19°32	16°42	13°58	13°33	25° 3	10°59	
S 27	16 15 49	5° 7'52	17°16	1♎28	10°53	8° 5	4°24	7°20	18°18	19°31	16°41	13°45	13°30	25°10	11° 3	
M28	16 19 46	6° 5'29	0♌5	3°39	12° 5	8°50	4°34	7°22	18°15	19°29	16°40	13°33	13°26	25°17	11° 6	
T 29	16 23 42	7° 3'05	12°37	5°50	13°18	9°34	4°43	7°24	18°13	19°28	16°39	13°23	13°23	25°23	11°10	
W30	16 27 39	8° 0'39	24°53	8° 2	14°31	10°19	4°53	7°26	18°11	19°26	16°38	13°14	13°20	25°30	11°13	
T 31	16 31 36	8♎58'12	6♌57	10♎14	15♌44	11♌ 3	5♌ 3	7♎28	18♎ 8	19♎24	16♎37	13♎ 8	13♎17	25♌36	11♌17	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	14n50	18n31	4s51	3n10	2s52	2n13	1s39	6n29	0s49	20n36	0n40	10n44	1n59	17s14	0n21	21s38	1n27	9n34	17n40	5n34	5n58	12n13	13n31	1s10
W 2	15 8 18	1 4 23	3 43	2 51	2 41	1 40	6 47	0 49	20 35	0 40	10 44	1 59	17 14	0 21	21 38	1 27	9 34	17 40	5 36	5 59	12 11	13 32	1 10	
T 3	15 26 16	42 3 44	4 16	2 50	3 8	1 41	7 5	0 48	20 33	0 40	10 44	1 59	17 13	0 21	21 37	1 27	9 34	17 39	5 37	6 0	12 10	13 34	1 10	
F 4	15 44 14	40 2 56	4 51	2 49	3 36	1 41	7 23	0 48	20 32	0 40	10 45	1 59	17 12	0 21	21 37	1 27	9 35	17 39	5 37	6 1	12 8	13 35	1 10	
S 5	16 1 12	2 0 5	2 7	2 46	4 4	1 42	7 40	0 47	20 30	0 40	10 45	1 59	17 12	0 21	21 37	1 27	9 35	17 39	5 37	6 2	12 7	13 36	1 11	
S 6	16 18 8	54 1 0	6 3	2 43	4 31	1 42	7 58	0 47	20 29	0 40	10 45	1 59	17 11	0 21	21 37	1 27	9 35	17 39	5 37	6 4	12 6	13 37	1 11	
M 7	16 35 5	23 0n 4	6 41	2 40	4 59	1 42	8 15	0 46	20 27	0 40	10 45	1 58	17 10	0 21	21 37	1 27	9 36	17 38	5 37	6 5	12 4	13 38	1 11	
T 8	16 52 1	36 1 8	7 19	2 36	5 26	1 42	8 32	0 46	20 26	0 40	10 45	1 58	17 10	0 21	21 37	1 27	9 36	17 38	5 37	6 6	12 3	13 39	1 11	
W 9	17 8 2s19	2 10	7 59	2 31	5 54	1 42	8 49	0 45	20 24	0 40	10 45	1 58	17 9	0 21	21 37	1 27	9 36	17 38	5 38	6 7	12 2	13 40	1 11	
T 10	17 24 6	13 3 7	8 39	2 26	6 21	1 42	9 6	0 45	20 22	0 40	10 44	1 58	17 8	0 21	21 37	1 27	9 36	17 38	5 40	6 9	12 0	13 41	1 11	
F 11	17 40 9	56 3 56	9 19	2 21	6 48	1 42	9 23	0 44	20 20	0 40	10 44	1 58	17 8	0 21	21 37	1 27	9 37	17 37	5 43	6 10	11 59	13 43	1 11	
S 12	17 55 13	15 4 33	10 1	2 15	7 15	1 42	9 40	0 44	20 19	0 40	10 44	1 58	17 7	0 21	21 36	1 27	9 37	17 37	5 47	6 11	11 57	13 44	1 11	
S 13	18 11 15	57 4 56	10 43	2 8	7 42	1 42	9 57	0 43	20 17	0 40	10 44	1 58	17 6	0 21	21 36	1 27	9 37	17 37	5 51	6 12	11 56	13 45	1 11	
M14	18 26 17	47 5 3	11 25	2 1	8 9	1 42	10 14	0 43	20 15	0 40	10 43	1 57	17 6	0 21	21 36	1 27	9 37	17 36	5 55	6 13	11 55	13 46	1 11	
T 15	18 40 18	35 4 51	12 8	1 54	8 35	1 41	10 30	0 42	20 13	0 40	10 43	1 57	17 5	0 21	21 36	1 27	9 37	17 36	5 59	6 15	11 53	13 47	1 11	
W16	18 54 18	15 4 22	12 51	1 46	9 2	1 41	10 46	0 42	20 11	0 40	10 43	1 57	17 4	0 21	21 36	1 27	9 37	17 36	6 2	6 16	11 52	13 48	1 11	
T 17	19 8 16	48 3 37	13 34	1 37	9 28	1 41	11 3	0 41	20 9	0 40	10 42	1 57	17 3	0 21	21 36	1 27	9 38	17 35	6 4	6 17	11 50	13 49	1 12	
F 18	19 22 14	18 2 38	14 18	1 28	9 54	1 40	11 19	0 40	20 8	0 40	10 42	1 57	17 3	0 21	21 36	1 27	9 38	17 35	6 4	6 18	11 49	13 50	1 12	
S 19	19 35 10	57 1 30	15 1	1 19	10 20	1 39	11 35	0 40	20 6	0 40	10 41	1 57	17 2	0 21	21 36	1 27	9 38	17 34	6 5	6 20	11 48	13 51	1 12	
S 20	19 48 6	59 0 16	15 45	1 10	10 46	1 39	11 51	0 39	20 3	0 40	10 41	1 57	17 1	0 21	21 35	1 27	9 38	17 34	6 5	6 21	11 46	13 52	1 12	
M21	20 1 2	38 0s58	16 28	1 0	11 11	1 38	12 7	0 39	20 1	0 40	10 40	1 56	17 1	0 21	21 35	1 27	9 38	17 34	6 5	6 22	11 45	13 53	1 12	
T 22	20 13 1n50	2 9	17 10	0 50	11 36	1 37	12 22	0 38	19 59	0 40	10 40	1 56	17 0	0 21	21 35	1 27	9 38	17 33	6 6	6 23	11 43	13 54	1 12	
W23	20 25 6	10 3 11	17 52	0 40	12 1	1 36	12 38	0 38	19 57	0 40	10 39	1 56	16 59	0 21	21 35	1 27	9 38	17 33	6 7	6 24	11 42	13 55	1 12	
T 24	20 37 10	8 4 1	18 33	0 29	12 26	1 35	12 53	0 37	19 55	0 40	10 38	1 56	16 59	0 21	21 35	1 27	9 38	17 32	6 10	6 26	11 41	13 56	1 12	
F 25	20 48 13	30 4 37	19 13	0 19	12 50	1 34	13 9	0 37	19 53	0 40	10 38	1 56	16 58	0 21	21 35	1 27	9 38	17 32	6 14	6 27	11 39	13 58	1 12	
S 26	20 59 16	7 4 57	19 52	0 8	13 14	1 33	13 24	0 36	19 51	0 40	10 37	1 56	16 58	0 21	21 35	1 27	9 38	17 32	6 18	6 28	11 38	13 59	1 12	
S 27	21 9 17	51 5 0	20 30	0n 3	13 38	1 32	13 39	0 35	19 48	0 40	10 36	1 56	16 57	0 20	21 35	1 27	9 38	17 31	6 23	6 29	11 36	14 0	1 13	
M28	21 19 18	38 4 49	21 6	0 13	14 1	1 31	13 54	0 35	19 46	0 40	10 35	1 55	16 56	0 20	21 34	1 27	9 38	17 31	6 28	6 31	11 35	14 1	1 13	
T 29	21 29 18	28 4 23	21 40	0 24	14 25	1 29	14 8	0 34	19 44	0 4														

SWISS EPHEMERIS for the year 1979

JUNE 1979

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	16 35 32	9♏55'44	18♌50	12♏26	16♌56	11♏47	5♏13	7♏31	18°R 6	19°R23	16°R36	13°R 5	13♏14	25♏43	11♏20	
S 2	16 39 29	10°53'14	0♏39	14°38	18° 9	12°32	5°23	7°33	18♌ 4	19♌21	16♌36	13♏ 4	13°11	25°50	11°24	
S 3	16 43 25	11°50'43	12°28	16°49	19°22	13°16	5°33	7°35	18° 2	19°20	16°35	13° 4	13° 7	25°56	11°27	
M 4	16 47 22	12°48'11	24°23	18°59	20°35	14° 0	5°43	7°38	17°59	19°18	16°34	13° 4	13° 4	26° 3	11°31	
T 5	16 51 18	13°45'38	6♌29	21° 7	21°48	14°44	5°53	7°41	17°57	19°16	16°33	13° 2	13° 1	26°10	11°34	
W 6	16 55 15	14°43'03	18°51	23°15	23° 0	15°28	6° 4	7°43	17°55	19°15	16°33	12°59	12°58	26°16	11°37	
T 7	16 59 11	15°40'27	1♏34	25°21	24°13	16°12	6°14	7°46	17°53	19°13	16°32	12°54	12°55	26°23	11°41	
F 8	17 3 8	16°37'50	14°40	27°25	25°26	16°56	6°25	7°49	17°51	19°12	16°31	12°45	12°51	26°30	11°44	
S 9	17 7 5	17°35'13	28° 9	29°27	26°39	17°40	6°35	7°52	17°49	19°10	16°31	12°35	12°48	26°36	11°47	
S 10	17 11 1	18°32'34	12♌ 1	1♏27	27°52	18°24	6°46	7°55	17°47	19° 8	16°30	12°24	12°45	26°43	11°51	
M11	17 14 58	19°29'55	26°11	3°25	29° 5	19° 7	6°57	7°58	17°45	19° 7	16°30	12°12	12°42	26°50	11°54	
T 12	17 18 54	20°27'14	10♏35	5°21	0♏18	19°51	7° 7	8° 2	17°43	19° 5	16°29	12° 2	12°39	26°56	11°57	
W13	17 22 51	21°24'34	25° 6	7°15	1°30	20°35	7°18	8° 5	17°41	19° 3	16°29	11°54	12°36	27° 3	12° 0	
T 14	17 26 47	22°21'52	9♌ 6	9° 6	2°43	21°18	7°29	8° 8	17°39	19° 2	16°28	11°48	12°32	27°10	12° 3	
F 15	17 30 44	23°19'10	24° 4	10°55	3°56	22° 2	7°40	8°12	17°37	19° 0	16°28	11°45	12°29	27°16	12° 6	
S 16	17 34 40	24°16'28	8♏22	12°41	5° 9	22°45	7°52	8°16	17°35	18°59	16°27	11°D45	12°26	27°23	12°10	
S 17	17 38 37	25°13'46	22°30	14°25	6°22	23°29	8° 3	8°19	17°33	18°57	16°27	11°R45	12°23	27°30	12°13	
M18	17 42 34	26°11'03	6♏27	16° 7	7°35	24°12	8°14	8°23	17°31	18°55	16°27	11°44	12°20	27°36	12°16	
T 19	17 46 30	27° 8'20	20°12	17°46	8°48	24°55	8°25	8°27	17°29	18°54	16°26	11°43	12°17	27°43	12°19	
W20	17 50 27	28° 5'36	3♏46	19°23	10° 1	25°39	8°37	8°31	17°28	18°52	16°26	11°38	12°13	27°50	12°22	
T 21	17 54 23	29° 2'53	17° 9	20°57	11°14	26°22	8°48	8°35	17°26	18°51	16°26	11°32	12°10	27°56	12°24	
F 22	17 58 20	0♏ 0'09	0♏20	22°28	12°28	27° 5	9° 0	8°39	17°24	18°49	16°26	11°22	12° 7	28° 3	12°27	
S 23	18 2 16	0°57'25	13°20	23°58	13°41	27°48	9°11	8°43	17°23	18°47	16°26	11°11	12° 4	28° 9	12°30	
S 24	18 6 13	1°54'41	26° 6	25°24	14°54	28°31	9°23	8°48	17°21	18°46	16°25	10°59	12° 1	28°16	12°33	
M25	18 10 9	2°51'56	8♏39	26°48	16° 7	29°14	9°35	8°52	17°20	18°44	16°25	10°48	11°57	28°23	12°36	
T 26	18 14 6	3°49'11	20°59	28°10	17°20	29°57	9°47	8°57	17°18	18°43	16°25	10°38	11°54	28°29	12°38	
W27	18 18 3	4°46'26	3♏ 8	29°28	18°33	0♏39	9°59	9° 1	17°17	18°41	16°D25	10°30	11°51	28°36	12°41	
T 28	18 21 59	5°43'40	15° 6	0♏45	19°46	1°22	10°10	9° 6	17°15	18°40	16°25	10°24	11°48	28°43	12°44	
F 29	18 25 56	6°40'54	26°56	1°58	21° 0	2° 5	10°22	9°10	17°14	18°38	16°25	10°21	11°45	28°49	12°46	
S 30	18 29 52	7°38'07	8♏43	3♏ 8	22♏13	2♏47	10♏34	9♏15	17♏13	18♏37	16♏25	10°D20	11♏42	28♏56	12♏49	

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
F 1	21n56	13n12	2s 5	23n10	0n53	15n32	1s25	14n51	0s32	19n37	0n40	10n32	1n55	16s54	0n20	21s34	1n27	9n38	17n29	6n39	6n35	11n29	14n 4	1s13
S 2	22 5	10 13	1 5	23 35	1 2	15 54	1 24	15 6	0 32	19 34	0 40	10 31	1 55	16 53	0 20	21 34	1 27	9 37	17 29	6 39	6 37	11 28	14 5	1 13
S 3	22 13	6 50	0 3	23 58	1 11	16 15	1 22	15 19	0 31	19 32	0 40	10 30	1 55	16 52	0 20	21 34	1 27	9 37	17 28	6 39	6 38	11 26	14 6	1 13
M 4	22 20	3 9	1n 0	24 18	1 19	16 36	1 21	15 33	0 31	19 29	0 40	10 29	1 54	16 52	0 20	21 34	1 27	9 37	17 28	6 39	6 39	11 25	14 7	1 13
T 5	22 27	0s44	2 1	24 35	1 26	16 57	1 19	15 47	0 30	19 27	0 40	10 27	1 54	16 51	0 20	21 33	1 27	9 37	17 27	6 40	6 40	11 23	14 8	1 13
W 6	22 34	4 39	2 57	24 49	1 33	17 17	1 17	16 0	0 29	19 24	0 40	10 26	1 54	16 51	0 20	21 33	1 27	9 37	17 27	6 41	6 42	11 22	14 9	1 14
T 7	22 40	8 28	3 47	25 1	1 39	17 37	1 15	16 14	0 29	19 22	0 40	10 25	1 54	16 50	0 20	21 33	1 27	9 36	17 26	6 43	6 43	11 20	14 10	1 14
F 8	22 46	12 0	4 26	25 10	1 45	17 56	1 14	16 27	0 28	19 19	0 40	10 24	1 54	16 50	0 20	21 33	1 27	9 36	17 26	6 46	6 44	11 19	14 11	1 14
S 9	22 52	15 0	4 52	25 16	1 49	18 15	1 12	16 40	0 27	19 16	0 40	10 23	1 54	16 49	0 20	21 33	1 27	9 36	17 25	6 50	6 45	11 18	14 12	1 14
S 10	22 57	17 16	5 1	25 19	1 53	18 33	1 10	16 52	0 27	19 14	0 40	10 21	1 54	16 48	0 20	21 33	1 27	9 36	17 25	6 55	6 46	11 16	14 13	1 14
M11	23 1	18 31	4 52	25 20	1 57	18 51	1 8	17 5	0 26	19 11	0 40	10 20	1 53	16 48	0 20	21 33	1 27	9 36	17 24	6 59	6 48	11 15	14 14	1 14
T 12	23 6	18 37	4 25	25 19	1 59	19 8	1 6	17 18	0 25	19 8	0 40	10 19	1 53	16 47	0 20	21 33	1 27	9 35	17 24	7 3	6 49	11 13	14 15	1 14
W13	23 10	17 30	3 40	25 15	2 1	19 25	1 4	17 30	0 25	19 5	0 40	10 17	1 53	16 47	0 20	21 32	1 27	9 35	17 23	7 6	6 50	11 12	14 15	1 14
T 14	23 13	15 15	2 41	25 9	2 2	19 42	1 2	17 42	0 24	19 3	0 40	10 16	1 53	16 46	0 20	21 32	1 27	9 35	17 23	7 8	6 51	11 10	14 16	1 15
F 15	23 16	12 3	1 32	25 1	2 2	19 58	1 0	17 54	0 23	19 0	0 40	10 14	1 53	16 46	0 20	21 32	1 27	9 34	17 22	7 9	6 52	11 9	14 17	1 15
S 16	23 19	8 9	0 18	24 51	2 1	20 13	0 58	18 6	0 23	18 57	0 40	10 13	1 53	16 45	0 20	21 32	1 27	9 34	17 21	7 10	6 54	11 7	14 18	1 15
S 17	23 21	3 51	0s57	24 39	2 0	20 28	0 55	18 17	0 22	18 54	0 40	10 11	1 53	16 45	0 20	21 32	1 27	9 34	17 21	7 10	6 55	11 6	14 19	1 15
M18	23 23	0n37	2 7	24 25	1 58	20 42	0 53	18 28	0 21	18 51	0 40	10 10	1 53	16 44	0 20	21 32	1 27	9 33	17 20	7 10	6 56	11 4	14 20	1 15
T 19	23 24	4 58	3 9	24 10	1 55	20 56	0 51	18 40	0 21	18 48	0 40	10 8	1 52	16 44	0 20	21 32	1 27	9 33	17 20	7 10	6 57	11 3	14 20	1 15
W20	23 26	9 1	3 59	23 53	1 52	21 9	0 49	18 51	0 20	18 45	0 40	10 7	1 52	16 43	0 20	21 32	1 27	9 32	17 19	7 12	6 59	11 1	14 21	1 15
T 21	23 26	12 33	4 36	23 35	1 48	21 22	0 46	19 1	0 19	18 42	0 40	10 5	1 52	16 43	0 20	21 31	1 27	9 32	17 19	7 14	7 0	11 0	14 22	1 15
F 22	23 26	15 23	4 57	23 16	1 43	21 34	0 44	19 12	0 19	18 39	0 40	10 3	1 52	16 42	0 20	21 31	1 27	9 32	17 18	7 18	7 1	10 59	14 23	1 16
S 23	23 26	17 24	5 2	22 55	1 38	21 45	0 42	19 23	0 18	18 36	0 40	10 2	1 52	16 42	0 20	21 31	1 27	9 31	17 18	7 22	7 2	10 57	14 23	1 16
S 24	23 26	18 31	4 52	22 34	1 32	21 56	0 39	19 33	0 17	18 33	0 40													

SWISS EPHEMERIS for the year 1979

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	18 33 49	8 ^h 35'20"	20 ^m 32	4 ^h 16	23 ^m 26	3 ^h 30	10 ^h 46	9 ^m 20	17 ^h R11	18 ^h R35	16 ^h 26	10 ^m 21	11 ^m 38	29 ^h 03	12 ^h 52
M 2	18 37 45	9 ^h 32'33"	2 ^h 26	5 ^h 21	24 ^m 39	4 ^h 12	10 ^h 59	9 ^m 25	17 ^h M10	18 ^h R34	16 ^h 26	10 ^m 21	11 ^m 35	29 ^h 09	12 ^h 54
T 3	18 41 42	10 ^h 29'45"	14 ^m 31	6 ^h 23	25 ^m 53	4 ^h 55	11 ^h 11	9 ^m 30	17 ^h 09	18 ^h 32	16 ^h 26	10 ^m R22	11 ^m 32	29 ^h 16	12 ^h 56
W 4	18 45 38	11 ^h 26'57"	26 ^m 53	7 ^h 21	27 ^m 06	5 ^h 37	11 ^h 23	9 ^m 35	17 ^h 08	18 ^h 31	16 ^h 26	10 ^m 20	11 ^m 29	29 ^h 23	12 ^h 59
T 5	18 49 35	12 ^h 24'08"	9 ^m 36	8 ^h 17	28 ^m 19	6 ^h 19	11 ^h 35	9 ^m 40	17 ^h 07	18 ^h 29	16 ^h 26	10 ^m 17	11 ^m 26	29 ^h 29	13 ^h 01
F 6	18 53 32	13 ^h 21'20"	22 ^m 44	9 ^h 09	29 ^m 32	7 ^h 02	11 ^h 48	9 ^m 45	17 ^h 06	18 ^h 28	16 ^h 27	10 ^m 12	11 ^m 23	29 ^h 36	13 ^h 04
S 7	18 57 28	14 ^h 18'31"	6 ^m 19	9 ^h 57	0 ^m 46	7 ^h 44	12 ^h 00	9 ^m 51	17 ^h 05	18 ^h 26	16 ^h 27	10 ^m 05	11 ^m 19	29 ^h 43	13 ^h 06
S 8	19 1 25	15 ^h 15'42"	20 ^m 21	10 ^h 42	1 ^m 59	8 ^h 26	12 ^h 12	9 ^m 56	17 ^h 04	18 ^h 25	16 ^h 27	9 ^m 56	11 ^m 16	29 ^h 49	13 ^h 08
M 9	19 5 21	16 ^h 12'53"	4 ^m 46	11 ^h 24	3 ^m 12	9 ^h 08	12 ^h 25	10 ^m 01	17 ^h 03	18 ^h 24	16 ^h 28	9 ^m 48	11 ^m 13	29 ^h 56	13 ^h 10
T 10	19 9 18	17 ^h 10'04"	19 ^m 29	12 ^h 01	4 ^m 26	9 ^h 50	12 ^h 37	10 ^m 07	17 ^h 02	18 ^h 22	16 ^h 28	9 ^m 40	11 ^m 10	0 ^m 29	13 ^h 12
W 11	19 13 14	18 ^h 07'16"	4 ^m 22	12 ^h 35	5 ^m 39	10 ^h 32	12 ^h 50	10 ^m 12	17 ^h 01	18 ^h 21	16 ^h 29	9 ^m 35	11 ^m 07	0 ^m 09	13 ^h 14
T 12	19 17 11	19 ^h 04'27"	19 ^m 16	13 ^h 04	6 ^m 53	11 ^h 14	13 ^h 02	10 ^m 18	17 ^h 01	18 ^h 19	16 ^h 29	9 ^m 31	11 ^m 03	0 ^m 16	13 ^h 16
F 13	19 21 08	20 ^h 01'39"	4 ^m 04	13 ^h 29	8 ^m 06	11 ^h 55	13 ^h 15	10 ^m 23	17 ^h 00	18 ^h 18	16 ^h 30	9 ^m D29	11 ^m 00	0 ^m 22	13 ^h 18
S 14	19 25 04	20 ^h 58'51"	18 ^m 40	13 ^h 50	9 ^m 20	12 ^h 37	13 ^h 27	10 ^m 29	16 ^h 59	18 ^h 17	16 ^h 30	9 ^m 30	10 ^m 57	0 ^m 29	13 ^h 20
S 15	19 29 01	21 ^h 56'04"	2 ^m 59	14 ^h 07	10 ^m 33	13 ^h 19	13 ^h 40	10 ^m 35	16 ^h 59	18 ^h 16	16 ^h 31	9 ^m 31	10 ^m 54	0 ^m 36	13 ^h 22
M 16	19 32 57	22 ^h 53'18"	17 ^m 01	14 ^h 18	11 ^m 47	14 ^h 00	13 ^h 53	10 ^m 41	16 ^h 58	18 ^h 14	16 ^h 31	9 ^m R31	10 ^m 51	0 ^m 42	13 ^h 24
T 17	19 36 54	23 ^h 50'32"	0 ^m 44	14 ^h 25	13 ^m 00	14 ^h 42	14 ^h 05	10 ^m 47	16 ^h 57	18 ^h 13	16 ^h 32	9 ^m 31	10 ^m 48	0 ^m 49	13 ^h 26
W 18	19 40 50	24 ^h 47'47"	14 ^m 09	14 ^h R27	14 ^m 14	15 ^m 23	14 ^h 18	10 ^m 53	16 ^h 57	18 ^h 12	16 ^h 33	9 ^m 30	10 ^m 44	0 ^m 56	13 ^h 28
T 19	19 44 47	25 ^h 45'02"	27 ^m 18	14 ^h 25	15 ^m 27	16 ^h 05	14 ^h 31	10 ^m 59	16 ^h 57	18 ^h 11	16 ^h 33	9 ^m 26	10 ^m 41	1 ^m 02	13 ^h 29
F 20	19 48 43	26 ^h 42'18"	10 ^m 12	14 ^h 17	16 ^m 41	16 ^m 46	14 ^h 44	11 ^m 05	16 ^h 56	18 ^h 09	16 ^h 34	9 ^m 21	10 ^m 38	1 ^m 09	13 ^h 31
S 21	19 52 40	27 ^h 39'35"	22 ^m 52	14 ^h 05	17 ^m 54	17 ^m 27	14 ^h 57	11 ^m 11	16 ^h 56	18 ^h 08	16 ^h 35	9 ^m 14	10 ^m 35	1 ^m 16	13 ^h 33
S 22	19 56 37	28 ^h 36'53"	5 ^m 21	13 ^h 47	19 ^m 08	18 ^h 08	15 ^h 10	11 ^m 17	16 ^h 56	18 ^h 07	16 ^h 36	9 ^m 07	10 ^m 32	1 ^m 22	13 ^h 34
M 23	20 0 33	29 ^h 34'11"	17 ^m 38	13 ^h 26	20 ^m 22	18 ^h 49	15 ^h 22	11 ^m 23	16 ^h 56	18 ^h 06	16 ^h 37	9 ^m 00	10 ^m 29	1 ^m 29	13 ^h 36
T 24	20 4 30	0 ^h 31'30"	29 ^m 45	12 ^h 59	21 ^m 36	19 ^h 30	15 ^h 35	11 ^m 29	16 ^h 55	18 ^h 05	16 ^h 37	8 ^m 54	10 ^m 25	1 ^m 36	13 ^h 37
W 25	20 8 26	1 ^h 28'50"	11 ^m 44	12 ^h 29	22 ^m 49	20 ^m 11	15 ^h 48	11 ^m 36	16 ^h 55	18 ^h 04	16 ^h 38	8 ^m 49	10 ^m 22	1 ^m 42	13 ^h 39
T 26	20 12 23	2 ^h 26'10"	23 ^m 36	11 ^h 55	24 ^m 03	20 ^m 52	16 ^h 01	11 ^m 42	16 ^h D55	18 ^h 03	16 ^h 39	8 ^m 46	10 ^m 19	1 ^m 49	13 ^h 40
F 27	20 16 19	3 ^h 23'30"	5 ^m 23	11 ^h 18	25 ^m 17	21 ^m 33	16 ^h 14	11 ^m 49	16 ^h 55	18 ^h 02	16 ^h 40	8 ^m D45	10 ^m 16	1 ^m 55	13 ^h 41
S 28	20 20 16	4 ^h 20'51"	17 ^m 10	10 ^h 38	26 ^m 31	22 ^m 14	16 ^h 27	11 ^m 55	16 ^h 55	18 ^h 01	16 ^h 41	8 ^m 45	10 ^m 13	2 ^m 02	13 ^h 42
S 29	20 24 12	5 ^h 18'13"	28 ^m 58	9 ^h 55	27 ^m 44	22 ^m 55	16 ^h 40	12 ^m 02	16 ^h 55	18 ^h 00	16 ^h 42	8 ^m 47	10 ^m 09	2 ^m 09	13 ^h 44
M 30	20 28 09	6 ^h 15'35"	10 ^m 52	9 ^h 12	28 ^m 58	23 ^m 35	16 ^h 53	12 ^m 08	16 ^h 56	17 ^h 59	16 ^h 43	8 ^m 48	10 ^m 06	2 ^m 15	13 ^h 45
T 31	20 32 05	7 ^h 12'58"	22 ^m 57	8 ^h 27	0 ^m 12	24 ^m 16	17 ^h 06	12 ^m 15	16 ^h M56	17 ^h R58	16 ^h 45	8 ^m 50	10 ^m 03	2 ^m 22	13 ^h 46

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
S 1	23n10	4n35	0n54	19n44	0n34	22n54	0s23	20n39	0s12	18n11	0n40	9n47	1n51	16s39	0n20	21s30	1n27	9n27	17n13	7n41	7n12	10n45	14n29	1s17
M 2	23 6 0 48	1 56 19 18	0 23 23 0	0 20 20 48	0 12 18 7	0 40 9 45	1 51 16 39	0 20 21 30	1 27 9 26	17 13 7 41	7 13 10 44	14 29 1 17												
T 3	23 1 3s 4	2 53 18 53	0 12 23 5	0 18 20 56	0 11 18 4	0 40 9 43	1 51 16 38	0 20 21 30	1 27 9 26	17 12 7 41	7 14 10 42	14 30 1 17												
W 4	22 57 6 54	3 43 18 27	0 1 23 9	0 15 21 4	0 10 18 1	0 40 9 41	1 51 16 38	0 20 21 30	1 27 9 25	17 12 7 42	7 15 10 41	14 31 1 17												
T 5	22 52 10 31	4 24 18 1	0s11	23 13 0	0 13 21 12	0 10 18 1	0 40 9 39	1 51 16 38	0 20 21 30	1 27 9 25	17 11 7 43	7 17 10 39	14 31 1 17											
F 6	22 46 13 44	4 52 17 36	0 23 23 16	0 10 21 20	0 9 17 54	0 40 9 37	1 51 16 38	0 20 21 30	1 27 9 24	17 10 7 45	7 18 10 38	14 32 1 17												
S 7	22 40 16 21	5 6 17 10	0 36 23 19	0 8 21 28	0 8 17 50	0 40 9 35	1 50 16 37	0 20 21 30	1 27 9 23	17 10 7 47	7 19 10 36	14 32 1 18												
S 8	22 34 18 5	5 1 16 46	0 49 23 20	0 5 21 35	0 7 17 47	0 40 9 33	1 50 16 37	0 20 21 30	1 27 9 23	17 9 7 51	7 20 10 35	14 33 1 18												
M 9	22 27 18 43	4 38 16 21	1 3 23 21	0 3 21 43	0 7 17 44	0 40 9 31	1 50 16 37	0 20 21 30	1 27 9 22	17 9 7 54	7 22 10 33	14 33 1 18												
T 10	22 20 18 8	3 56 15 58	1 16 23 22	0 0 21 50	0 6 17 40	0 40 9 29	1 50 16 37	0 20 21 29	1 27 9 21	17 8 7 57	7 23 10 32	14 34 1 18												
W 11	22 13 16 18	2 58 15 35	1 30 23 21	0n 2 21 56	0 5 17 37	0 40 9 26	1 50 16 36	0 20 21 29	1 27 9 21	17 8 7 59	7 24 10 30	14 34 1 18												
T 12	22 5 13 21	1 47 15 13	1 44 23 20	0 5 22 3	0 5 17 33	0 40 9 24	1 50 16 36	0 20 21 29	1 27 9 20	17 7 8 0	7 25 10 29	14 35 1 18												
F 13	21 57 9 34	0 29 14 53	1 59 23 19	0 7 22 9	0 4 17 29	0 41 9 22	1 50 16 36	0 20 21 29	1 27 9 19	17 7 8 1	7 26 10 27	14 35 1 18												
S 14	21 48 5 15	0s49	14 33 2	13 23 16	0 10 22 16	0 3 17 26	0 41 9 20	1 50 16 36	0 19 21 29	1 27 9 19	17 6 8 1	7 28 10 25	14 36 1 19											
S 15	21 39 0 42	2 4 14 14	2 28 23 13	0 12 22 22	0 2 17 22	0 41 9 17	1 50 16 36	0 19 21 29	1 26 9 18	17 5 8 0	7 29 10 24	14 36 1 19												
M 16	21 30 3n47	3 9 13 57	2 42 23 9	0 14 22 27	0 2 17 19	0 41 9 15	1 50 16 36	0 19 21 29	1 26 9 17	17 5 8 0	7 30 10 22	14 36 1 19												
T 17	21 20 7 57	4 2 13 41	2 56 23 5	0 17 22 33	0 1 17 15	0 41 9 13	1 50 16 35	0 19 21 29	1 26 9 16	17 4 8 0	7 31 10 21	14 37 1 19												
W 18	21 10 11 38	4 40 13 27	3 10 23 0	0 19 22 38	0 0 17 11	0 41 9 11	1 49 16 35	0 19 21 29	1 26 9 16	17 4 8 1	7 32 10 19	14 37 1 19												

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
W 1	20 36 2	8♏10'21	5♍18	7°R43	1♌26	24♏56	17♏19	12♏21	16♍56	17°R57	16♏46	8°R51	10♏0	2♏29	13♏47	
T 2	20 39 59	9° 7'45	17°59	6♏59	2°40	25°37	17°33	12°28	16°56	17♏56	16°47	8♏50	9°57	2°35	13°48	
F 3	20 43 55	10° 5'09	1♏3	6°17	3°54	26°17	17°46	12°35	16°57	17°55	16°48	8°49	9°54	2°42	13°49	
S 4	20 47 52	11° 2'35	14°35	5°38	5° 7	26°57	17°59	12°42	16°57	17°54	16°49	8°46	9°50	2°49	13°50	
S 5	20 51 48	12° 0'00	28°35	5° 2	6°21	27°37	18°12	12°48	16°58	17°54	16°50	8°43	9°47	2°55	13°50	
M 6	20 55 45	12°57'27	13♏2	4°30	7°35	28°18	18°25	12°55	16°58	17°53	16°52	8°39	9°44	3° 2	13°51	
T 7	20 59 41	13°54'54	27°50	4° 2	8°49	28°58	18°38	13° 2	16°59	17°52	16°53	8°36	9°41	3° 9	13°52	
W 8	21 3 38	14°52'23	12♏54	3°40	10° 3	29°38	18°51	13° 9	16°59	17°51	16°54	8°33	9°38	3°15	13°52	
T 9	21 7 34	15°49'52	28° 3	3°24	11°17	0♏17	19° 4	13°16	17° 0	17°51	16°56	8°32	9°35	3°22	13°53	
F 10	21 11 31	16°47'23	13♏9	3°13	12°31	0°57	19°18	13°23	17° 1	17°50	16°57	8°D32	9°31	3°29	13°54	
S 11	21 15 28	17°44'54	28° 3	3°D10	13°45	1°37	19°31	13°30	17° 1	17°49	16°59	8°33	9°28	3°35	13°54	
S 12	21 19 24	18°42'27	12♏39	3°13	14°59	2°17	19°44	13°37	17° 2	17°49	17° 0	8°34	9°25	3°42	13°54	
M13	21 23 21	19°40'01	26°53	3°22	16°14	2°56	19°57	13°44	17° 3	17°48	17° 1	8°35	9°22	3°48	13°55	
T 14	21 27 17	20°37'37	10♏42	3°40	17°28	3°36	20°10	13°51	17° 4	17°48	17° 3	8°36	9°19	3°55	13°55	
W15	21 31 14	21°35'15	24° 8	4° 4	18°42	4°15	20°23	13°58	17° 5	17°47	17° 4	8°R36	9°15	4° 2	13°55	
T 16	21 35 10	22°32'54	7♏12	4°35	19°56	4°55	20°37	14° 6	17° 6	17°47	17° 6	8°36	9°12	4° 8	13°55	
F 17	21 39 7	23°30'34	19°57	5°14	21°10	5°34	20°50	14°13	17° 7	17°46	17° 8	8°34	9° 9	4°15	13°56	
S 18	21 43 3	24°28'16	2♏26	5°59	22°24	6°13	21° 3	14°20	17° 8	17°46	17° 9	8°33	9° 6	4°22	13°56	
S 19	21 47 0	25°26'00	14°41	6°52	23°39	6°53	21°16	14°27	17°10	17°46	17°11	8°31	9° 3	4°28	13°R56	
M20	21 50 57	26°23'45	26°46	7°51	24°53	7°32	21°29	14°35	17°11	17°45	17°13	8°29	9° 0	4°35	13°56	
T 21	21 54 53	27°21'32	8♏43	8°56	26° 7	8°11	21°42	14°42	17°12	17°45	17°14	8°27	8°56	4°42	13°56	
W22	21 58 50	28°19'20	20°34	10° 8	27°21	8°50	21°55	14°49	17°13	17°45	17°16	8°26	8°53	4°48	13°55	
T 23	22 2 46	29°17'09	2♏22	11°26	28°36	9°29	22° 8	14°56	17°15	17°44	17°18	8°26	8°50	4°55	13°55	
F 24	22 6 43	0♏15'00	14° 9	12°49	29°50	10° 7	22°22	15° 4	17°16	17°44	17°19	8°D26	8°47	5° 2	13°55	
S 25	22 10 39	1°12'52	25°57	14°17	1♏4	10°46	22°35	15°11	17°18	17°44	17°21	8°26	8°44	5° 8	13°55	
S 26	22 14 36	2°10'46	7♏49	15°50	2°19	11°25	22°48	15°19	17°19	17°44	17°23	8°27	8°40	5°15	13°54	
M27	22 18 32	3° 8'40	19°47	17°27	3°33	12° 3	23° 1	15°26	17°21	17°44	17°25	8°27	8°37	5°21	13°54	
T 28	22 22 29	4° 6'37	1♏56	19° 9	4°47	12°42	23°14	15°33	17°23	17°43	17°27	8°28	8°34	5°28	13°53	
W29	22 26 26	5° 4'34	14°18	20°53	6° 2	13°20	23°27	15°41	17°24	17°43	17°29	8°28	8°31	5°35	13°53	
T 30	22 30 22	6° 2'33	26°58	22°41	7°16	13°58	23°40	15°48	17°26	17°D43	17°30	8°28	8°28	5°41	13°52	
F 31	22 34 19	7♏0'34	9♏59	24♏31	8♏30	14♏37	23♏53	15♏56	17♏28	17♏43	17♏32	8°R28	8♏25	5♏48	13♏51	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
W 1	18n13	9s10	4n22	13n35	4s56	20n39	0n49	23n31	0n11	16n18	0n41	8n36	1n49	16s35	0n19	21s28	1n26	9n4	16n56	8n15	7n49	9n58	14n41	1s21
T 2	17 58	12 29	4 54	13 49	4 52	20 24	0 51	23 34	0 12	16 14	0 41	8 33	1 49	16 36	0 19	21 28	1 26	9 3	16 56	8 15	7 50	9 56	14 41	1 21
F 3	17 43	15 17	5 11	14 4	4 46	20 9	0 53	23 36	0 12	16 10	0 41	8 31	1 49	16 36	0 19	21 28	1 26	9 2	16 55	8 16	7 52	9 55	14 41	1 22
S 4	17 28	17 22	5 13	14 21	4 39	19 53	0 55	23 37	0 13	16 6	0 42	8 28	1 48	16 36	0 19	21 28	1 26	9 1	16 55	8 17	7 53	9 53	14 41	1 22
S 5	17 12	18 30	4 56	14 38	4 30	19 36	0 57	23 39	0 14	16 2	0 42	8 25	1 48	16 36	0 19	21 28	1 26	9 0	16 54	8 18	7 54	9 51	14 41	1 22
M 6	16 56	18 30	4 20	14 55	4 20	19 19	0 59	23 40	0 15	15 58	0 42	8 23	1 48	16 36	0 19	21 28	1 26	8 59	16 54	8 20	7 55	9 50	14 41	1 22
T 7	16 39	17 14	3 26	15 13	4 9	19 1	1 0	23 42	0 16	15 54	0 42	8 20	1 48	16 36	0 19	21 28	1 26	8 58	16 53	8 21	7 56	9 48	14 41	1 22
W 8	16 22	14 45	2 17	15 31	3 56	18 43	1 2	23 43	0 16	15 50	0 42	8 17	1 48	16 37	0 19	21 28	1 25	8 58	16 53	8 22	7 58	9 47	14 41	1 22
T 9	16 5	11 15	0 58	15 48	3 42	18 24	1 3	23 44	0 17	15 46	0 42	8 15	1 48	16 37	0 19	21 28	1 25	8 57	16 52	8 22	7 59	9 45	14 41	1 23
F 10	15 48	7 1	0s26	16 5	3 27	18 5	1 5	23 44	0 18	15 42	0 42	8 12	1 48	16 37	0 19	21 28	1 25	8 56	16 52	8 22	8 0	9 44	14 42	1 23
S 11	15 31	2 24	1 46	16 21	3 11	17 45	1 6	23 45	0 19	15 38	0 42	8 9	1 48	16 37	0 19	21 28	1 25	8 55	16 51	8 22	8 1	9 42	14 41	1 23
S 12	15 13	2n16	2 58	16 36	2 55	17 25	1 8	23 45	0 20	15 34	0 42	8 6	1 48	16 37	0 19	21 28	1 25	8 54	16 51	8 22	8 2	9 40	14 41	1 23
M13	14 55	6 41	3 57	16 50	2 38	17 5	1 9	23 45	0 20	15 30	0 42	8 4	1 48	16 38	0 19	21 28	1 25	8 53	16 51	8 21	8 4	9 39	14 41	1 23
T 14	14 37	10 36	4 40	17 3	2 21	16 43	1 11	23 45	0 21	15 26	0 42	8 1	1 48	16 38	0 19	21 28	1 25	8 52	16 50	8 21	8 5	9 37	14 41	1 23
W15	14 19	13 51	5 7	17 14	2 4	16 22	1 12	23 44	0 22	15 22	0 42	7 58	1 48	16 38	0 19	21 28	1 25	8 51	16 50	8 21	8 6	9 36	14 41	1 24
T 16	14 0	16 19	5 16	17 23	1 47	16 0	1 13	23 44	0 23	15 17	0 42	7 55	1 48	16 39	0 19	21 28	1 25	8 50	16 49	8 21	8 7	9 34	14 41	1 24
F 17	13 41	17 54	5 10	17 31	1 30	15 37	1 14	23 43	0 24	15 13	0 42	7 53	1 48	16 39	0 19	21 28	1 25	8 49	16 49	8 21	8 8	9 32	14 41	1 24
S 18	13 22	18 35	4 50	17 36	1 13	15 14	1 15	23 42	0 25	15 9	0 43	7 50	1 48	16 39	0 19	21 28	1 25	8 48	16 48	8 22	8 10	9 31	14 41	1 24
S 19	13 3	18 23	4 16	17 39	0 57	14 51	1 16	23 41	0 25	15 5	0 43	7 47	1 48	16 40	0 19	21 28	1 25	8 47	16 48	8 23	8 11	9 29	14 41	1 24
M20	12 43	17 21	3 31	17 39	0 41	14 27	1 17	23 40	0 26	15 1	0 43	7 44	1 48	16 40	0 19	21 28	1 25	8 46	16 47	8 23	8 12	9 28	14 41	1 24
T 21	12 23	15 33	2 38	17 37	0 25	14 2	1 18	23 38	0 27	14 57	0 43	7 41	1 48	16 40	0 18	21 28	1 25	8 45	16 47	8 24	8 13	9 26	14 40	1 25
W22	12 3	13 6	1 38	17 32	0 10	13 38	1 19	23 37	0 28	14 53	0 43	7 39	1 48	16 41	0 18	21 28	1 25	8 44	16 47	8 24	8 14	9 24	14 40	1 25
T 23	11 43	10 7	0 34	17 25	0n4	13 13	1 20	23 35	0 29	14 48	0 43	7 36	1 48	16 41	0 18	21 28	1 25	8 43	16 46	8 25	8 15	9 23	14 40	1 25
F 24	11 23	6 44	0n32	17 14	0 17	12 48	1 21	23 33	0 30	14 44	0 43	7 33	1 48	16 42	0 18	21 28	1 25	8 42	16 46	8 25	8 17	9 21	14 40	1 25
S 25	11 3	3 5	1 36	17 1	0 30	12 22	1 22	23 30	0 30	14 40	0 43	7 30	1 48	16 42	0 18	21 28	1 25	8 41	16 45	8 24	8 18	9 20	14 39	1 25
S 26	10 42	0s42	2 36	16 45	0 41	11 56	1 22	23 28	0 31	14 36	0 43	7 27	1 48	16 43	0 18	21 28	1 25	8 40	16 45	8 24	8 19	9 18	14 39	1 25
M27	10 21	4 29	3 30	16 26	0 52	11 29	1 23	23 26	0 32	14 32	0 43	7 24	1 48	16 43	0 18	21 28	1 25	8 39	16 45	8 24	8 20	9 16	14 39	1 26
T 28	10 0	8 8	4 16	16 4	1 2	11 3	1 23	23 23	0 33	14 27	0 43	7 21	1 48	16 44	0 18	21 28	1 24	8 38	16 44	8 24	8 21	9 15	14 39	1 26
W29	9 39	11 30																						

SWISS EPHEMERIS for the year 1979

SEPTEMBER 1979

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	22 38 15	7 ^m 58'35	23 ^m 23	26 ^m 23	9 ^m 45	15 ^m 15	24 ^m 6	16 ^m 3	17 ^m 30	17 ^m 43	17 ^m 34	8 ^m D28	8 ^m 21	5 ^m 55	13 ^m R51	
S 2	22 42 12	8°56'38	7 ^h 314	28°17	10°59	15°53	24°19	16°11	17°31	17°43	17°36	8 ^m 28	8°18	6° 1	13 ^m R50	
M 3	22 46 8	9°54'43	21°30	0 ^m 11	12°14	16°31	24°32	16°18	17°33	17°44	17°38	8°29	8°15	6° 8	13°49	
T 4	22 50 5	10°52'49	6 ^m 10	2° 7	13°28	17° 9	24°45	16°26	17°35	17°44	17°40	8°29	8°12	6°15	13°48	
W 5	22 54 1	11°50'56	21° 8	4° 3	14°43	17°47	24°57	16°33	17°37	17°44	17°42	8°29	8° 9	6°21	13°47	
T 6	22 57 58	12°49'05	6 ^h 18	6° 0	15°57	18°24	25°10	16°41	17°39	17°44	17°44	8°R29	8° 6	6°28	13°46	
F 7	23 1 55	13°47'15	21°30	7°56	17°12	19° 2	25°23	16°48	17°41	17°44	17°46	8°29	8° 2	6°35	13°45	
S 8	23 5 51	14°45'27	6 ^h 35	9°52	18°26	19°39	25°36	16°56	17°44	17°45	17°48	8°29	7°59	6°41	13°44	
S 9	23 9 48	15°43'41	21°24	11°48	19°41	20°17	25°49	17° 3	17°46	17°45	17°50	8°28	7°56	6°48	13°43	
M10	23 13 44	16°41'57	5 ^h 51	13°43	20°55	20°54	26° 1	17°11	17°48	17°45	17°52	8°27	7°53	6°54	13°42	
T 11	23 17 41	17°40'16	19°51	15°38	22°10	21°32	26°14	17°18	17°50	17°46	17°55	8°26	7°50	7° 1	13°40	
W12	23 21 37	18°38'36	3 ^h 124	17°32	23°24	22° 9	26°27	17°26	17°52	17°46	17°57	8°25	7°46	7° 8	13°39	
T 13	23 25 34	19°36'58	16°31	19°25	24°39	22°46	26°39	17°33	17°55	17°46	17°59	8°D25	7°43	7°14	13°38	
F 14	23 29 30	20°35'23	29°15	21°17	25°53	23°23	26°52	17°41	17°57	17°47	18° 1	8°25	7°40	7°21	13°36	
S 15	23 33 27	21°33'50	11 ^h 39	23° 8	27° 8	24° 0	27° 4	17°48	18° 0	17°47	18° 3	8°26	7°37	7°28	13°35	
S 16	23 37 24	22°32'18	23°47	24°58	28°23	24°37	27°17	17°56	18° 2	17°48	18° 5	8°27	7°34	7°34	13°33	
M17	23 41 20	23°30'49	5 ^h 45	26°47	29°37	25°13	27°29	18° 4	18° 5	17°48	18° 8	8°28	7°31	7°41	13°31	
T 18	23 45 17	24°29'22	17°36	28°35	0 ^m 52	25°50	27°42	18°11	18° 7	17°49	18°10	8°29	7°27	7°48	13°30	
W19	23 49 13	25°27'57	29°23	0 ^m 22	2° 6	26°27	27°54	18°19	18°10	17°50	18°12	8°30	7°24	7°54	13°28	
T 20	23 53 10	26°26'34	11 ^h 10	2° 8	3°21	27° 3	28° 6	18°26	18°12	17°50	18°14	8°R31	7°21	8° 1	13°26	
F 21	23 57 6	27°25'13	22°59	3°53	4°36	27°40	28°19	18°33	18°15	17°51	18°16	8°30	7°18	8° 8	13°25	
S 22	0 1 3	28°23'54	4 ^h 53	5°37	5°50	28°16	28°31	18°41	18°18	17°52	18°19	8°28	7°15	8°14	13°23	
S 23	0 4 59	29°22'37	16°53	7°20	7° 5	28°52	28°43	18°48	18°20	17°52	18°21	8°26	7°12	8°21	13°21	
M24	0 8 56	0 ^m 21'22	29° 2	9° 2	8°20	29°28	28°55	18°56	18°23	17°53	18°23	8°22	7° 8	8°27	13°19	
T 25	0 12 52	1°20'09	11 ^h 12	10°43	9°34	0 ^m 4	29° 7	19° 3	18°26	17°54	18°26	8°18	7° 5	8°34	13°17	
W26	0 16 49	2°18'57	23°52	12°23	10°49	0°40	29°19	19°11	18°29	17°55	18°28	8°15	7° 2	8°41	13°15	
T 27	0 20 46	3°17'47	6 ^h 38	14° 2	12° 4	1°16	29°31	19°18	18°32	17°56	18°30	8°12	6°59	8°47	13°13	
F 28	0 24 42	4°16'39	19°39	15°41	13°18	1°51	29°43	19°25	18°35	17°57	18°33	8°10	6°56	8°54	13°11	
S 29	0 28 39	5°15'33	3 ^h 0	17°18	14°33	2°27	29°55	19°33	18°38	17°58	18°35	8°D 9	6°52	9° 1	13° 9	
S 30	0 32 35	6 ^m 14'29	16 ^h 40	18 ^m 54	15 ^m 48	3 ^m 2	0 ^m 7	19 ^m 40	18 ^m 41	17 ^m 59	18 ^m 37	8 ^m 9	6 ^m 49	9 ^m 7	13 ^m 7	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂					
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat					
S 1	8n35	18s 9	5n 7	14n 9	1n31	9n13	1n25	23n10	0n36	14n11	0n44	7n10	1n48	16s46	0n18	21s28	1n24	8n34	16n43	8n24	8n26	9n 8	14n37	1s26
S 2	8 13	18 36	4 39	13 34	1 36	8 45	1 25	23 7	0 37	14 6	0 44	7 7	1 48	16 46	0 18	21 29	1 24	8 33	16 43	8 24	8 27	9 7	14 37	1 27
M 3	7 51	17 53	3 53	12 58	1 40	8 17	1 25	23 3	0 38	14 2	0 44	7 4	1 48	16 47	0 18	21 29	1 24	8 32	16 42	8 24	8 29	9 5	14 36	1 27
T 4	7 29	15 59	2 50	12 19	1 43	7 48	1 25	22 59	0 39	13 58	0 44	7 1	1 48	16 47	0 18	21 29	1 24	8 31	16 42	8 23	8 30	9 3	14 36	1 27
W 5	7 7	12 57	1 35	11 39	1 45	7 20	1 25	22 55	0 40	13 54	0 44	6 58	1 48	16 48	0 18	21 29	1 24	8 30	16 42	8 23	8 31	9 2	14 36	1 27
T 6	6 45	9 1	0 12	10 58	1 47	6 51	1 25	22 51	0 41	13 50	0 44	6 55	1 48	16 48	0 18	21 29	1 24	8 29	16 41	8 23	8 32	9 0	14 35	1 27
F 7	6 23	4 28	1s12	10 15	1 47	6 21	1 25	22 47	0 42	13 45	0 44	6 53	1 49	16 49	0 18	21 29	1 24	8 28	16 41	8 23	8 33	8 59	14 35	1 27
S 8	6 0	0n19	2 30	9 31	1 47	5 52	1 24	22 42	0 42	13 41	0 44	6 50	1 49	16 50	0 18	21 29	1 24	8 27	16 41	8 24	8 34	8 57	14 34	1 27
S 9	5 38	5 0	3 37	8 47	1 47	5 23	1 24	22 37	0 43	13 37	0 45	6 47	1 49	16 50	0 18	21 29	1 24	8 26	16 40	8 24	8 36	8 55	14 34	1 28
M10	5 15	9 15	4 28	8 1	1 45	4 53	1 24	22 33	0 44	13 33	0 45	6 44	1 49	16 51	0 18	21 29	1 24	8 24	16 40	8 24	8 37	8 54	14 33	1 28
T 11	4 52	12 52	5 1	7 15	1 43	4 23	1 23	22 28	0 45	13 29	0 45	6 41	1 49	16 52	0 18	21 29	1 24	8 23	16 40	8 24	8 38	8 52	14 33	1 28
W12	4 30	15 39	5 16	6 28	1 41	3 53	1 23	22 23	0 46	13 24	0 45	6 38	1 49	16 52	0 18	21 29	1 24	8 22	16 40	8 25	8 39	8 50	14 32	1 28
T 13	4 7	17 33	5 14	5 41	1 38	3 23	1 22	22 17	0 47	13 20	0 45	6 35	1 49	16 53	0 18	21 29	1 24	8 21	16 39	8 25	8 40	8 49	14 32	1 28
F 14	3 44	18 29	4 57	4 54	1 34	2 53	1 22	22 12	0 48	13 16	0 45	6 32	1 49	16 54	0 18	21 29	1 24	8 20	16 39	8 25	8 42	8 47	14 31	1 28
S 15	3 21	18 31	4 26	4 7	1 30	2 23	1 21	22 7	0 49	13 12	0 45	6 29	1 49	16 54	0 18	21 30	1 24	8 19	16 39	8 25	8 43	8 45	14 30	1 29
S 16	2 58	17 41	3 43	3 19	1 26	1 53	1 20	22 1	0 50	13 8	0 45	6 27	1 49	16 55	0 18	21 30	1 23	8 18	16 39	8 24	8 44	8 44	14 30	1 29
M17	2 35	16 3	2 52	2 31	1 21	1 22	1 20	21 55	0 51	13 3	0 45	6 24	1 49	16 56	0 18	21 30	1 23	8 17	16 38	8 24	8 45	8 42	14 29	1 29
T 18	2 11	13 46	1 53	1 44	1 16	0 52	1 19	21 49	0 51	12 59	0 46	6 21	1 49	16 57	0 18	21 30	1 23	8 16	16 38	8 23	8 46	8 40	14 28	1 29
W19	1 48	10 54	0 50	0 56	1 11	0 21	1 18	21 43	0 52	12 55	0 46	6 18	1 49	16 57	0 18	21 30	1 23	8 15	16 38	8 23	8 48	8 39	14 28	1 29
T 20	1 25	7 36	0n15	0 9	1 6	0s 9	1 17	21 37	0 53	12 51	0 46	6 15	1 49	16 58	0 18	21 30	1 23	8 14	16 38	8 23	8 49	8 37	14 27	1 29
F 21	1 2	4 0	1 19	0s38	1 0	0 40	1 16	21 31	0 54	12 47	0 46	6 12	1 49	16 59	0 18	21 30	1 23	8 13	16 38	8 23	8 50	8 36	14 27	1 29
S 22	0 38	0 13	2 21	1 25	0 54	1 10	1 15	21 25	0 55	12 43	0 46	6 9	1 49	17 0	0 18	21 30	1 23	8 12	16 38	8 24	8 51	8 34	14 26	1 30
S 23	0 15	3s37	3 16	2 11	0 48	1 41	1 14	21 18	0 56	12 39	0 46	6 6	1 50	17 0	0 18	21 30	1 23	8 11	16 37	8 25	8 52	8 32	14 25	1 30

SWISS EPHEMERIS for the year 1979

OCTOBER 1979

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
M 1	0 36 32	7♁13'26	0♁42	20♁30	17♁ 2	3♁37	0♁18	19♁47	18♁44	17♁59	18♁40	8♁11	6♁46	9♁14	13°R 4
T 2	0 40 28	8°12'25	15° 5	22° 5	18°17	4°13	0°30	19°55	18°47	18° 1	18°42	8°12	6°43	9°21	13°R 2
W 3	0 44 25	9°11'26	29°46	23°38	19°32	4°48	0°42	20° 2	18°50	18° 2	18°44	8°13	6°40	9°27	13° 0
T 4	0 48 21	10°10'28	14♁41	25°11	20°47	5°23	0°53	20° 9	18°53	18° 3	18°47	8°R13	6°37	9°34	12°58
F 5	0 52 18	11° 9'32	29°42	26°43	22° 1	5°58	1° 5	20°16	18°56	18° 4	18°49	8°12	6°33	9°41	12°55
S 6	0 56 15	12° 8'39	14°43	28°15	23°16	6°32	1°16	20°24	18°59	18° 5	18°51	8° 9	6°30	9°47	12°53
S 7	1 0 11	13° 7'47	29°33	29°45	24°31	7° 7	1°27	20°31	19° 2	18° 6	18°54	8° 4	6°27	9°54	12°50
M 8	1 4 8	14° 6'57	14♁ 4	1♁15	25°45	7°41	1°39	20°38	19° 5	18° 7	18°56	7°59	6°24	10° 1	12°48
T 9	1 8 4	15° 6'10	28°12	2°44	27° 0	8°16	1°50	20°45	19° 9	18° 9	18°58	7°53	6°21	10° 7	12°45
W10	1 12 1	16° 5'25	11♁52	4°12	28°15	8°50	2° 1	20°52	19°12	18°10	19° 1	7°48	6°17	10°14	12°43
T 11	1 15 57	17° 4'42	25° 5	5°39	29°29	9°24	2°12	20°59	19°15	18°11	19° 3	7°44	6°14	10°20	12°40
F 12	1 19 54	18° 4'02	7♁52	7° 6	0♁44	9°58	2°23	21° 6	19°18	18°12	19° 6	7°42	6°11	10°27	12°38
S 13	1 23 50	19° 3'24	20°17	8°31	1°59	10°32	2°34	21°13	19°22	18°14	19° 8	7°D41	6° 8	10°34	12°35
S 14	1 27 47	20° 2'48	2♁25	9°56	3°14	11° 6	2°44	21°20	19°25	18°15	19°10	7°42	6° 5	10°40	12°32
M15	1 31 44	21° 2'15	14°20	11°20	4°28	11°40	2°55	21°27	19°29	18°17	19°13	7°44	6° 2	10°47	12°30
T 16	1 35 40	22° 1'44	26° 9	12°43	5°43	12°13	3° 6	21°34	19°32	18°18	19°15	7°45	5°58	10°54	12°27
W17	1 39 37	23° 1'15	7♁55	14° 5	6°58	12°47	3°16	21°41	19°35	18°19	19°18	7°R46	5°55	11° 0	12°24
T 18	1 43 33	24° 0'48	19°44	15°25	8°13	13°20	3°27	21°47	19°39	18°21	19°20	7°45	5°52	11° 7	12°22
F 19	1 47 30	25° 0'23	1♁37	16°45	9°27	13°53	3°37	21°54	19°42	18°22	19°22	7°42	5°49	11°14	12°19
S 20	1 51 26	26° 0'01	13°40	18° 4	10°42	14°26	3°47	22° 1	19°46	18°24	19°25	7°37	5°46	11°20	12°16
S 21	1 55 23	26°59'40	25°52	19°21	11°57	14°59	3°58	22° 8	19°49	18°25	19°27	7°29	5°43	11°27	12°13
M22	1 59 19	27°59'22	8♁16	20°37	13°12	15°31	4° 8	22°14	19°53	18°27	19°29	7°20	5°39	11°34	12°10
T 23	2 3 16	28°59'05	20°52	21°52	14°26	16° 4	4°18	22°21	19°56	18°29	19°32	7°11	5°36	11°40	12° 7
W24	2 7 12	29°58'51	3♁41	23° 5	15°41	16°36	4°28	22°27	20° 0	18°30	19°34	7° 1	5°33	11°47	12° 5
T 25	2 11 9	0♁58'38	16°41	24°17	16°56	17° 8	4°37	22°34	20° 3	18°32	19°36	6°53	5°30	11°53	12° 2
F 26	2 15 6	1°58'27	29°54	25°26	18°11	17°40	4°47	22°40	20° 7	18°34	19°39	6°46	5°27	12° 0	11°59
S 27	2 19 2	2°58'18	13♁19	26°34	19°25	18°12	4°57	22°46	20°11	18°35	19°41	6°42	5°23	12° 7	11°56
S 28	2 22 59	3°58'10	26°58	27°40	20°40	18°44	5° 6	22°53	20°14	18°37	19°44	6°40	5°20	12°13	11°53
M29	2 26 55	4°58'05	10♁51	28°43	21°55	19°16	5°15	22°59	20°18	18°39	19°46	6°D40	5°17	12°20	11°50
T 30	2 30 52	5°58'00	24°58	29°43	23°10	19°47	5°25	23° 5	20°22	18°41	19°48	6°41	5°14	12°27	11°47
W31	2 34 48	6♁57'57	9♁18	0♁40	24♁24	20♁18	5♁34	23♁11	20♁25	18♁42	19♁50	6°R41	5♁11	12♁33	11♁44

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	2s52	16s53	3n12	8s 7	0s 7	5s44	1n 2	20n23	1n 4	12n 6	0n47	5n44	1n50	17s 7	0n18	21s31	1n23	8n 4	16n36	8n30	9n 2	8n19	14n19	1s31
T 2	3 15	14 21	2 4	8 49	0 14	6 14	1 1	20 15	1 5	12 2	0 47	5 41	1 50	17 8	0 18	21 32	1 23	8 3	16 36	8 30	9 3	8 17	14 18	1 31
W 3	3 39	10 50	0 46	9 30	0 21	6 44	0 59	20 8	1 6	11 58	0 48	5 38	1 50	17 9	0 18	21 32	1 23	8 2	16 36	8 29	9 4	8 15	14 17	1 31
T 4	4 2	6 35	0s35	10 11	0 28	7 13	0 57	20 0	1 7	11 54	0 48	5 36	1 51	17 9	0 18	21 32	1 23	8 1	16 36	8 29	9 5	8 14	14 17	1 31
F 5	4 25	1 52	1 55	10 51	0 36	7 43	0 56	19 52	1 8	11 50	0 48	5 33	1 51	17 10	0 17	21 32	1 22	8 0	16 36	8 30	9 6	8 12	14 16	1 31
S 6	4 48	2n56	3 6	11 31	0 43	8 12	0 54	19 45	1 9	11 46	0 48	5 30	1 51	17 11	0 17	21 32	1 22	7 59	16 36	8 31	9 8	8 10	14 15	1 32
S 7	5 11	7 30	4 4	12 10	0 50	8 42	0 52	19 37	1 10	11 42	0 48	5 28	1 51	17 12	0 17	21 32	1 22	7 58	16 36	8 33	9 9	8 9	14 14	1 32
M 8	5 34	11 31	4 45	12 48	0 57	9 11	0 50	19 29	1 11	11 39	0 48	5 25	1 51	17 13	0 17	21 33	1 22	7 57	16 36	8 35	9 10	8 7	14 13	1 32
T 9	5 57	14 46	5 7	13 25	1 4	9 40	0 48	19 21	1 12	11 35	0 48	5 22	1 51	17 14	0 17	21 33	1 22	7 56	16 36	8 37	9 11	8 5	14 12	1 32
W10	6 20	17 5	5 11	14 2	1 11	10 8	0 46	19 13	1 13	11 31	0 49	5 19	1 51	17 15	0 17	21 33	1 22	7 55	16 36	8 39	9 12	8 4	14 11	1 32
T 11	6 43	18 24	4 57	14 38	1 18	10 36	0 44	19 5	1 14	11 27	0 49	5 17	1 51	17 16	0 17	21 33	1 22	7 55	16 36	8 40	9 13	8 2	14 11	1 32
F 12	7 5	18 43	4 30	15 13	1 25	11 5	0 42	18 57	1 15	11 23	0 49	5 14	1 52	17 17	0 17	21 33	1 22	7 54	16 36	8 41	9 15	8 0	14 10	1 32
S 13	7 28	18 7	3 50	15 47	1 31	11 32	0 40	18 49	1 16	11 20	0 49	5 12	1 52	17 17	0 17	21 33	1 22	7 53	16 36	8 41	9 16	7 59	14 9	1 32
S 14	7 50	16 42	3 0	16 21	1 38	12 0	0 38	18 40	1 17	11 16	0 49	5 9	1 52	17 18	0 17	21 33	1 22	7 52	16 36	8 41	9 17	7 57	14 8	1 33
M15	8 13	14 33	2 4	16 53	1 45	12 27	0 35	18 32	1 18	11 12	0 49	5 6	1 52	17 19	0 17	21 34	1 22	7 51	16 36	8 40	9 18	7 55	14 7	1 33
T 16	8 35	11 49	1 3	17 25	1 51	12 54	0 33	18 24	1 19	11 8	0 50	5 4	1 52	17 20	0 17	21 34	1 22	7 50	16 36	8 40	9 19	7 53	14 6	1 33
W17	8 57	8 37	0n 1	17 55	1 57	13 21	0 31	18 15	1 20	11 5	0 50	5 1	1 52	17 21	0 17	21 34	1 22	7 49	16 36	8 40	9 20	7 52	14 5	1 33
T 18	9 19	5 3	1 4	18 25	2 3	13 48	0 29	18 7	1 21	11 1	0 50	4 59	1 52	17 22	0 17	21 34	1 22	7 49	16 36	8 40	9 22	7 50	14 4	1 33
F 19	9 41	1 16	2 5	18 54	2 9	14 14	0 26	17 58	1 22	10 58	0 50	4 56	1 53	17 23	0 17	21 34	1 22	7 48	16 36	8 41	9 23	7 48	14 3	1 33
S 20	10 3	2s36	3 1	19 22	2 14	14 39	0 24	17 50	1 23	10 54	0 50	4 54	1 53	17 24	0 17	21 34	1 22	7 47	16 36	8 43	9 24	7 47	14 2	1 33
S 21	10 24	6 25	3 50	19 48	2 20	15 5	0 21	17 41	1 24	10 50	0 50	4 51	1 53	17 25	0 17	21 35	1 22	7 46	16 36	8 46	9 25	7 45	14 1	1 33
M22	10 46	10 2	4 28	20 14	2 25	15 30	0 19	17 32	1 25	10 47	0 51	4 49	1 53	17 26	0 17	21 35	1 22	7 45	16 36	8 49	9 26	7 43	14 0	1 34
T 23	11 7	13 15	4 54	20 38	2 29	15 54	0 17	17 24	1 26	10 43	0 51	4 46	1 53	17 27	0 17	21 35	1 22	7 45	16 36	8 53	9 27	7 41	13 59	1 34
W24	11 28	15 53	5 6	21 2	2 34	16 19	0 14	17 15	1 27	10 40	0 51	4 44	1 53	17 28	0 17	21 35	1 22	7 44	16 36	8 56	9 29	7 40	13 58	1 34
T 25	11 49	17 46	5 2	21 24	2 38	16 42	0 12	17 6	1 28	10 37	0 51	4 41	1 53	17 29	0 17	21 35	1 22	7 43	16 36	8 59	9 30	7 38	13 57	1 34
F 26	12 10	18 45	4 42	21 44	2 42	17 6	0 9	16 57	1 30	10 33	0 51	4 39	1 54	17 30	0 17	21 36	1 22	7 42	16 37	9 2	9 31	7 36	13 56	1 34
S 27	12 30	18 41	4 6	22 4	2 45	17 29	0 7	16 49	1 31	10 30	0 52	4 37	1 54	17 31	0 17	21 36	1 22	7 42	16 37	9 3	9 32	7 35	13 55	1 34
S 28	12 51	17 33	3 16	22 22	2 48	17 51	0 4	16 40	1 32	10 27	0 52	4 34	1 54	17 32	0 17	21 36	1 21	7 41	16 37	9 4	9 33	7 33	13 54	1 34
M29	13 11	15 22	2 14	22 39	2 50	18 13	0 2	16 31	1 33	10 23	0 52	4 32	1 54	1										

SWISS EPHEMERIS for the year 1979

NOVEMBER 1979

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	2 38 45	7♏57'56	23♏49	1♏34	25♏39	20♏49	5♏43	23♏17	20♏29	18♏44	19♏53	6♏R40	5♏ 8	12♏40	11♏R41	
F 2	2 42 41	8♏57'57	8♏28	2°24	26°54	21°20	5°52	23°24	20°33	18°46	19°55	6♏36	5° 4	12°47	11♏38	
S 3	2 46 38	9♏57'59	23° 8	3°10	28° 8	21°51	6° 1	23°30	20°36	18°48	19°57	6°30	5° 1	12°53	11°35	
S 4	2 50 35	10°58'03	7♏43	3°51	29°23	22°21	6° 9	23°35	20°40	18°50	20° 0	6°21	4°58	13° 0	11°32	
M 5	2 54 31	11°58'09	22° 6	4°27	0♏38	22°52	6°18	23°41	20°44	18°52	20° 2	6°11	4°55	13° 7	11°29	
T 6	2 58 28	12°58'16	6♏ 9	4°57	1°53	23°22	6°26	23°47	20°47	18°53	20° 4	6° 0	4°52	13°13	11°26	
W 7	3 2 24	13°58'26	19°49	5°21	3° 7	23°52	6°35	23°53	20°51	18°55	20° 6	5°50	4°48	13°20	11°23	
T 8	3 6 21	14°58'38	3♏ 3	5°38	4°22	24°22	6°43	23°58	20°55	18°57	20° 9	5°41	4°45	13°26	11°20	
F 9	3 10 17	15°58'51	15°53	5°47	5°37	24°51	6°51	24° 4	20°58	18°59	20°11	5°34	4°42	13°33	11°18	
S 10	3 14 14	16°59'07	28°21	5°R48	6°51	25°21	6°59	24°10	21° 2	19° 1	20°13	5°31	4°39	13°40	11°15	
S 11	3 18 10	17°59'25	10♏30	5°39	8° 6	25°50	7° 7	24°15	21° 6	19° 3	20°15	5°29	4°36	13°46	11°12	
M12	3 22 7	18°59'44	22°26	5°21	9°21	26°19	7°14	24°20	21°10	19° 5	20°17	5°D29	4°33	13°53	11° 9	
T 13	3 26 4	20° 0'06	4♏15	4°54	10°35	26°48	7°22	24°26	21°13	19° 7	20°19	5°R29	4°29	14° 0	11° 6	
W14	3 30 0	21° 0'29	16° 2	4°15	11°50	27°16	7°29	24°31	21°17	19° 9	20°22	5°28	4°26	14° 6	11° 3	
T 15	3 33 57	22° 0'54	27°53	3°27	13° 5	27°45	7°36	24°36	21°21	19°11	20°24	5°26	4°23	14°13	11° 0	
F 16	3 37 53	23° 1'21	9♏51	2°29	14°20	28°13	7°44	24°41	21°25	19°13	20°26	5°22	4°20	14°20	10°57	
S 17	3 41 50	24° 1'50	22° 1	1°23	15°34	28°41	7°51	24°46	21°28	19°16	20°28	5°14	4°17	14°26	10°54	
S 18	3 45 46	25° 2'21	4♏26	0°10	16°49	29° 8	7°57	24°51	21°32	19°18	20°30	5° 4	4°14	14°33	10°51	
M19	3 49 43	26° 2'53	17° 6	28♏52	18° 4	29°36	8° 4	24°56	21°36	19°20	20°32	4°51	4°10	14°40	10°48	
T 20	3 53 39	27° 3'27	0♏ 2	27°31	19°18	0♏ 3	8°11	25° 1	21°40	19°22	20°34	4°38	4° 7	14°46	10°46	
W21	3 57 36	28° 4'03	13°13	26°10	20°33	0°30	8°17	25° 6	21°43	19°24	20°36	4°24	4° 4	14°53	10°43	
T 22	4 1 33	29° 4'40	26°37	24°51	21°48	0°56	8°23	25°10	21°47	19°26	20°38	4°12	4° 1	15° 0	10°40	
F 23	4 5 29	0♏ 5'18	10♏31	23°38	23° 2	1°23	8°29	25°15	21°51	19°28	20°40	4° 3	3°58	15° 6	10°37	
S 24	4 9 26	1° 5'58	23°54	22°32	24°17	1°49	8°35	25°19	21°54	19°30	20°42	3°56	3°54	15°13	10°35	
S 25	4 13 22	2° 6'38	7♏44	21°36	25°32	2°15	8°41	25°24	21°58	19°33	20°44	3°52	3°51	15°19	10°32	
M26	4 17 19	3° 7'20	21°40	20°50	26°46	2°40	8°47	25°28	22° 2	19°35	20°46	3°51	3°48	15°26	10°29	
T 27	4 21 15	4° 8'03	5♏41	20°15	28° 1	3° 5	8°52	25°32	22° 5	19°37	20°48	3°51	3°45	15°33	10°26	
W28	4 25 12	5° 8'46	19°48	19°52	29°15	3°30	8°58	25°36	22° 9	19°39	20°50	3°50	3°42	15°39	10°24	
T 29	4 29 8	6° 9'31	3♏59	19°41	0♏30	3°55	9° 3	25°40	22°13	19°41	20°51	3°49	3°39	15°46	10°21	
F 30	4 33 5	7♏10'17	18♏12	19°D41	1♏45	4♏20	9♏ 8	25♏44	22♏16	19♏44	20♏53	3♏44	3♏35	15♏53	10♏19	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
T 1	14s10	3s50	1s30	23s19	2s54	19s16	0s 6	16n 5	1n36	10n14	0n53	4n25	1n55	17s36	0n17	21s37
F 2	14 29	0n53	2 41	23 29	2 54	19 36	0 8	15 56	1 38	10 11	0 53	4 23	1 55	17 37	0 17	21 37
S 3	14 48	5 34	3 41	23 37	2 53	19 56	0 11	15 47	1 39	10 8	0 53	4 21	1 55	17 38	0 17	21 37
S 4	15 7	9 53	4 27	23 44	2 52	20 14	0 14	15 38	1 40	10 5	0 53	4 19	1 55	17 39	0 17	21 37
M 5	15 26	13 33	4 54	23 48	2 49	20 33	0 16	15 29	1 41	10 2	0 53	4 16	1 55	17 40	0 17	21 37
T 6	15 44	16 21	5 3	23 50	2 45	20 51	0 19	15 20	1 42	9 59	0 54	4 14	1 56	17 41	0 17	21 38
W 7	16 2	18 10	4 54	23 50	2 41	21 8	0 21	15 12	1 43	9 56	0 54	4 12	1 56	17 42	0 17	21 38
T 8	16 20	18 55	4 30	23 47	2 35	21 24	0 24	15 3	1 45	9 53	0 54	4 10	1 56	17 43	0 17	21 38
F 9	16 37	18 39	3 52	23 41	2 27	21 40	0 26	14 54	1 46	9 50	0 54	4 8	1 56	17 44	0 17	21 38
S 10	16 55	17 29	3 4	23 33	2 19	21 56	0 29	14 45	1 47	9 48	0 54	4 6	1 56	17 45	0 17	21 38
S 11	17 11	15 32	2 9	23 21	2 8	22 11	0 32	14 37	1 48	9 45	0 55	4 4	1 57	17 46	0 17	21 39
M12	17 28	12 57	1 9	23 6	1 57	22 25	0 34	14 28	1 50	9 42	0 55	4 2	1 57	17 47	0 17	21 39
T 13	17 45	9 51	0 7	22 48	1 43	22 38	0 37	14 19	1 51	9 40	0 55	4 0	1 57	17 48	0 17	21 39
W14	18 1	6 22	0n56	22 26	1 28	22 51	0 39	14 11	1 52	9 37	0 55	3 58	1 57	17 49	0 17	21 39
T 15	18 16	2 37	1 56	22 1	1 11	23 3	0 42	14 2	1 53	9 35	0 56	3 57	1 58	17 50	0 17	21 39
F 16	18 32	1s16	2 52	21 32	0 53	23 15	0 44	13 53	1 55	9 32	0 56	3 55	1 58	17 51	0 17	21 40
S 17	18 47	5 10	3 40	21 0	0 34	23 26	0 46	13 45	1 56	9 30	0 56	3 53	1 58	17 51	0 17	21 40
S 18	19 2	8 56	4 19	20 25	0 14	23 36	0 49	13 36	1 57	9 27	0 56	3 51	1 58	17 52	0 17	21 40
M19	19 16	12 22	4 46	19 48	0n 6	23 45	0 51	13 28	1 59	9 25	0 56	3 49	1 58	17 53	0 17	21 40
T 20	19 30	15 17	4 59	19 10	0 27	23 54	0 54	13 20	2 0	9 23	0 57	3 48	1 59	17 54	0 17	21 40
W21	19 44	17 29	4 57	18 32	0 47	24 2	0 56	13 11	2 1	9 21	0 57	3 46	1 59	17 55	0 17	21 40
T 22	19 57	18 46	4 38	17 55	1 6	24 9	0 58	13 3	2 3	9 18	0 57	3 44	1 59	17 56	0 17	21 41
F 23	20 10	19 0	4 3	17 20	1 24	24 16	1 0	12 55	2 4	9 16	0 57	3 43	1 59	17 57	0 17	21 41
S 24	20 23	18 8	3 14	16 48	1 40	24 22	1 3	12 47	2 5	9 14	0 58	3 41	2 0	17 58	0 17	21 41
S 25	20 35	16 11	2 13	16 19	1 54	24 27	1 5	12 39	2 7	9 12	0 58	3 40	2 0	17 59	0 17	21 41
M26	20 47	13 16	1 4	15 56	2 6	24 31	1 7	12 31	2 8	9 11	0 58	3 38	2 0	18 0	0 17	21 41
T 27	20 58	9 35	0s10	15 37	2 16	24 35	1 9	12 23	2 10	9 9	0 58	3 37	2 0	18 1	0 17	21 42
W28	21 9	5 19	1 23	15 24	2 24	24 38	1 11	12 15	2 11	9 7	0 59	3 35	2 1	18 2	0 17	21 42
T 29	21 20	0 45	2 32	15 15	2 30	24 40	1 13	12 8	2 13	9 5	0 59	3 34	2 1	18 3	0 17	21 42
F 30	21s30	3n53	3s32	15s11	2n34	24s41	1s15	12n 0	2n14	9n 4	0n59	3n33	2n 1	18s 4	0n17	21s42

Julian Day Number = 2444178.5, Delta T = 50.39 sec
 Ecliptic obliquity = 23°26'23", Nutation = - 0°00'09"
 Ayanamsha: Fagan/Bradley = 24°27'31", Lahiri = 23°34'31"

SWISS EPHEMERIS for the year 1979

DECEMBER 1979

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
S 1	4 37 2	8♂11'03	2♂25	19♂51	2♂59	4♂44	9♂12	25♂48	22♂20	19♂46	20♂55	3°R37	3♂32	15♂59	10°R16	
S 2	4 40 58	9°11'51	16°34	20°10	4°14	5° 7	9°17	25°52	22°24	19°48	20°57	3♂27	3°29	16° 6	10♂14	
M 3	4 44 55	10°12'40	0♂134	20°39	5°28	5°31	9°22	25°56	22°27	19°50	20°58	3°14	3°26	16°13	10°11	
T 4	4 48 51	11°13'30	14°19	21°15	6°43	5°54	9°26	25°59	22°31	19°53	21° 0	3° 1	3°23	16°19	10° 9	
W 5	4 52 48	12°14'21	27°47	21°58	7°57	6°17	9°30	26° 3	22°34	19°55	21° 2	2°49	3°20	16°26	10° 6	
T 6	4 56 44	13°15'13	10♂54	22°48	9°12	6°39	9°34	26° 6	22°38	19°57	21° 4	2°38	3°16	16°33	10° 4	
F 7	5 0 41	14°16'06	23°40	23°43	10°26	7° 2	9°38	26°10	22°42	19°59	21° 5	2°30	3°13	16°39	10° 2	
S 8	5 4 37	15°17'01	6♂ 6	24°42	11°41	7°23	9°41	26°13	22°45	20° 2	21° 7	2°25	3°10	16°46	9°59	
S 9	5 8 34	16°17'57	18°16	25°46	12°55	7°45	9°45	26°16	22°49	20° 4	21° 8	2°22	3° 7	16°53	9°57	
M10	5 12 31	17°18'53	0♂14	26°54	14°10	8° 6	9°48	26°19	22°52	20° 6	21°10	2°D21	3° 4	16°59	9°55	
T 11	5 16 27	18°19'51	12° 3	28° 4	15°24	8°27	9°51	26°22	22°56	20° 8	21°11	2°21	3° 0	17° 6	9°53	
W12	5 20 24	19°20'51	23°51	29°17	16°39	8°47	9°54	26°25	22°59	20°11	21°13	2°R21	2°57	17°13	9°50	
T 13	5 24 20	20°21'51	5♂42	0♂33	17°53	9° 7	9°57	26°27	23° 3	20°13	21°14	2°20	2°54	17°19	9°48	
F 14	5 28 17	21°22'52	17°42	1°51	19° 8	9°26	9°59	26°30	23° 6	20°15	21°16	2°17	2°51	17°26	9°46	
S 15	5 32 13	22°23'54	29°56	3°10	20°22	9°46	10° 2	26°33	23° 9	20°17	21°17	2°11	2°48	17°32	9°44	
S 16	5 36 10	23°24'58	12♂27	4°31	21°37	10° 4	10° 4	26°35	23°13	20°20	21°19	2° 2	2°45	17°39	9°42	
M17	5 40 6	24°26'02	25°18	5°54	22°51	10°23	10° 6	26°37	23°16	20°22	21°20	1°52	2°41	17°46	9°40	
T 18	5 44 3	25°27'07	8♂30	7°17	24° 5	10°40	10° 7	26°39	23°19	20°24	21°21	1°40	2°38	17°52	9°39	
W19	5 48 0	26°28'13	22° 2	8°42	25°20	10°58	10° 9	26°42	23°23	20°26	21°23	1°28	2°35	17°59	9°37	
T 20	5 51 56	27°29'20	5♂50	10° 7	26°34	11°15	10°10	26°44	23°26	20°29	21°24	1°18	2°32	18° 6	9°35	
F 21	5 55 53	28°30'27	19°51	11°34	27°48	11°31	10°12	26°45	23°29	20°31	21°25	1° 9	2°29	18°12	9°33	
S 22	5 59 49	29°31'34	4♂ 1	13° 1	29° 3	11°47	10°13	26°47	23°32	20°33	21°26	1° 3	2°26	18°19	9°32	
S 23	6 3 46	0♂32'42	18°14	14°28	0♂17	12° 3	10°13	26°49	23°36	20°35	21°27	1° 1	2°22	18°26	9°30	
M24	6 7 42	1°33'50	2♂28	15°56	1°31	12°18	10°14	26°51	23°39	20°38	21°29	1°D 0	2°19	18°32	9°28	
T 25	6 11 39	2°34'58	16°40	17°25	2°45	12°32	10°14	26°52	23°42	20°40	21°30	1° 0	2°16	18°39	9°27	
W26	6 15 35	3°36'06	0♂47	18°54	3°59	12°46	10°15	26°53	23°45	20°42	21°31	1°R 1	2°13	18°46	9°25	
T 27	6 19 32	4°37'14	14°49	20°24	5°14	12°59	10°R15	26°55	23°48	20°44	21°32	1° 1	2°10	18°52	9°24	
F 28	6 23 29	5°38'22	28°46	21°54	6°28	13°12	10°14	26°56	23°51	20°47	21°33	0°58	2° 6	18°59	9°23	
S 29	6 27 25	6°39'30	12♂36	23°24	7°42	13°25	10°14	26°57	23°54	20°49	21°34	0°53	2° 3	19° 6	9°21	
S 30	6 31 22	7°40'38	26°18	24°55	8°56	13°36	10°14	26°58	23°57	20°51	21°35	0°46	2° 0	19°12	9°20	
M31	6 35 18	8♂41'46	9♂50	26♂26	10♂10	13♂48	10♂13	26♂59	24♂0	20♂53	21♂36	0♂37	1♂57	19♂19	9♂19	

Day	☉		☽		♀		♂		♂		♂		♂		♂		♂		♂					
	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat				
S 1	21s40	8n17	4s18	15s12	2n36	24s42	1s17	11n53	2n15	9n 2	0n59	3n31	2n 1	18s 5	0n17	21s42	1n21	7n24	16n46	10n11	10n13	6n33	13n22	1s36
S 2	21 50	12 11	4 48	15 16	2 37	24 42	1 19	11 45	2 17	9 1	0 3	30 2	2 18	6 0	17 21	21 43	1 21	7 24	16 47	10 15	10 14	6 31	13 21	1 37
M 3	21 59	15 22	5 0	15 24	2 36	24 41	1 21	11 38	2 18	8 59	1 0	3 29	2 2	18 7	0 17	21 43	1 21	7 24	16 47	10 19	10 15	6 30	13 21	1 37
T 4	22 7	17 38	4 55	15 35	2 34	24 39	1 23	11 31	2 20	8 58	1 0	3 28	2 2	18 8	0 17	21 43	1 21	7 23	16 48	10 24	10 16	6 28	13 20	1 37
W 5	22 16	18 52	4 33	15 49	2 31	24 37	1 25	11 24	2 21	8 56	1 0	3 26	2 2	18 9	0 17	21 43	1 20	7 23	16 48	10 28	10 17	6 26	13 19	1 37
T 6	22 23	19 3	3 57	16 5	2 28	24 33	1 26	11 17	2 23	8 55	1 1	3 25	2 3	18 10	0 17	21 43	1 20	7 23	16 49	10 32	10 18	6 24	13 18	1 37
F 7	22 31	18 15	3 10	16 23	2 23	24 30	1 28	11 10	2 25	8 54	1 1	3 24	2 3	18 10	0 17	21 43	1 20	7 23	16 49	10 35	10 19	6 22	13 18	1 37
S 8	22 38	16 34	2 15	16 43	2 18	24 25	1 30	11 3	2 26	8 53	1 1	3 23	2 3	18 11	0 17	21 44	1 20	7 23	16 50	10 37	10 21	6 21	13 17	1 37
S 9	22 44	14 11	1 14	17 3	2 13	24 19	1 31	10 57	2 28	8 52	1 1	3 22	2 3	18 12	0 17	21 44	1 20	7 23	16 50	10 38	10 22	6 19	13 16	1 37
M10	22 50	11 13	0 11	17 25	2 6	24 13	1 33	10 50	2 29	8 51	1 2	3 21	2 4	18 13	0 17	21 44	1 20	7 22	16 50	10 38	10 23	6 17	13 15	1 37
T 11	22 56	7 50	0n51	17 47	2 0	24 6	1 34	10 44	2 31	8 50	1 2	3 20	2 4	18 14	0 17	21 44	1 20	7 22	16 51	10 38	10 24	6 15	13 15	1 37
W12	23 1 4	9 1	5 52	18 9	1 53	23 59	1 35	10 38	2 32	8 49	1 2	3 20	2 4	18 15	0 17	21 44	1 20	7 22	16 51	10 38	10 25	6 13	13 14	1 37
T 13	23 5 0	18 2	4 48	18 32	1 46	23 51	1 37	10 32	2 34	8 48	1 3	3 19	2 4	18 16	0 17	21 45	1 20	7 22	16 52	10 39	10 26	6 12	13 13	1 37
F 14	23 10	3s36	3 37	18 55	1 39	23 42	1 38	10 26	2 36	8 48	1 3	3 18	2 5	18 17	0 17	21 45	1 20	7 22	16 52	10 40	10 28	6 10	13 13	1 37
S 15	23 13	7 26	4 17	19 18	1 31	23 32	1 39	10 20	2 37	8 47	1 3	3 17	2 5	18 17	0 17	21 45	1 20	7 22	16 53	10 42	10 29	6 8	13 12	1 37
S 16	23 17	11 2	4 46	19 40	1 24	23 21	1 40	10 15	2 39	8 46	1 3	3 16	2 5	18 18	0 17	21 45	1 20	7 22	16 53	10 45	10 30	6 6	13 11	1 37
M17	23 19	14 13	5 1	20 2	1 16	23 10	1 41	10 9	2 41	8 46	1 4	3 16	2 5	18 19	0 17	21 45	1 20	7 22	16 54	10 49	10 31	6 4	13 11	1 37
T 18	23 22	16 46	5 1	20 24	1 8	22 58	1 42	10 4	2 42	8 45	1 4	3 15	2 6	18 20	0 17	21 45	1 20	7 22	16 54	10 53	10 32	6 2	13 10	1 37
W19	23 24	18 29	4 44	20 45	1 1	22 46	1 43	9 59	2 44	8 45	1 4	3 15	2 6	18 21	0 17	21 46	1 20	7 22	16 55	10 57	10 33	6 1	13 10	1 37
T 20	23 25	19 9	4 10	21 6	0 53	22 33	1 44	9 54	2 46	8 45	1 4	3 14	2 6	18 22	0 17	21 46	1 20	7 22	16 55	11 1	10 34	5 59	13 9	1 37
F 21	23 26	18 39	3 21	21 25	0 45	22 19	1 45	9 50	2 48	8 45	1 5	3 13	2 7	18 22	0 17	21 46	1 20	7 22	16 56	11 4	10 35	5 57	13 8	1 37
S 22	23 26	17 0	2 19	21 44	0 38	22 4	1 45	9 45	2 49	8 45	1 5	3 13	2 7	18 23	0 17	21 46	1 20	7 22	16 56	11 6	10 37	5 55	13 8	1 37
S 23	23 26	14 17	1 8	22 2	0 30	21 49	1 46	9 41	2 51	8 44	1 5	3 13	2 7	18 24	0 17	21 46	1 20	7 22	16 57	11 7	10 38	5 53	13 7	1 37
M24	23 26	10 43	0s 8	22 20	0 22	21 33	1 47	9 37	2 53	8 44	1 5	3 12	2 7	18 25	0 17	21 46	1 20	7 22	16 58	11 7	10 39	5 52	13 7	1 37
T 25	23 25	6 32	1 23	22 36	0 15	21 17	1 47	9 33	2 55	8 45	1 6	3 12	2 8	18 26	0 17	21 46	1 20	7 22	16 58	11 7	10 40	5 50	13 6	1 37
W26	23 23	2 1	2 33	22 51	0 7	21 0	1 47	9 29	2 57	8 45	1 6	3 12	2 8	18 26	0 17	21 47	1 20	7 23	16 59	11 7	10 41	5 48	13 6	1 37
T 27	23 22	2n34	3 33	23 5	0 0	20 42	1 48	9 26	2 58	8 45	1 6	3 11	2 8	18 27	0 17	21 47	1 20	7 23	16 59	11 7	10 42	5 46	13 6	1 37
F 28	23 19	6 59	4 20	23 19	0s 7	20 24	1 48	9 22	3 0	8 45	1 7	3 11	2 9	18 28	0 17	21 47	1 20	7 23	17 0	11 8	10 43	5 44	13 5	1 37
S 29	23 16	11 0	4 51	23 31	0 14	20 5	1 48	9 19																