

SWISS EPHEMERIS for the year 1821

JANUARY 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
M 1	6 41 16	10♁1942	29♁59	18♁53	5♁53	13♁1	17♁55	7♁13	29♁40	0♁57	26♁43	16°R11	17♁5	29♁53	28♁36	
T 2	6 45 13	11°20'53	12♁59	20° 9	7° 7	13°47	18° 5	7°15	29°44	0°59	26°44	16°R 1	17° 2	29°59	28°37	
W 3	6 49 9	12°22'04	26°20	21°27	8°20	14°33	18°14	7°18	29°47	1° 1	26°45	15°50	16°59	0♁6	28°39	
T 4	6 53 6	13°23'16	10♁1	22°46	9°34	15°20	18°24	7°20	29°51	1° 4	26°45	15°38	16°56	0°13	28°40	
F 5	6 57 2	14°24'27	23°59	24° 7	10°48	16° 6	18°34	7°23	29°54	1° 6	26°46	15°28	16°53	0°19	28°42	
S 6	7 0 59	15°25'38	8♁8	25°28	12° 2	16°52	18°44	7°26	29°58	1° 8	26°46	15°21	16°50	0°26	28°43	
S 7	7 4 55	16°26'49	22°25	26°51	13°16	17°39	18°54	7°29	0♁1	1°10	26°47	15°16	16°46	0°32	28°45	
M 8	7 8 52	17°27'59	6♁43	28°14	14°30	18°25	19° 5	7°32	0° 5	1°13	26°48	15°14	16°43	0°39	28°46	
T 9	7 12 49	18°29'08	21° 0	29°39	15°44	19°12	19°15	7°35	0° 8	1°15	26°48	15°D14	16°40	0°46	28°48	
W10	7 16 45	19°30'17	5♁13	1♁3	16°58	19°58	19°25	7°38	0°12	1°17	26°49	15°14	16°37	0°52	28°50	
T 11	7 20 42	20°31'25	19°19	2°30	18°11	20°45	19°36	7°41	0°15	1°19	26°50	15°R15	16°34	0°59	28°51	
F 12	7 24 38	21°32'33	3♁19	3°57	19°26	21°32	19°47	7°45	0°19	1°21	26°50	15°14	16°30	1° 6	28°53	
S 13	7 28 35	22°33'40	17°11	5°25	20°40	22°18	19°58	7°48	0°22	1°23	26°51	15°11	16°27	1°12	28°55	
S 14	7 32 31	23°34'46	0♁55	6°53	21°54	23° 5	20° 9	7°52	0°26	1°26	26°52	15° 6	16°24	1°19	28°57	
M15	7 36 28	24°35'51	14°30	8°22	23° 8	23°52	20°20	7°56	0°29	1°28	26°53	14°59	16°21	1°26	28°59	
T 16	7 40 24	25°36'56	27°53	9°51	24°22	24°38	20°31	8° 0	0°32	1°30	26°54	14°51	16°18	1°32	29° 1	
W17	7 44 21	26°38'00	11♁4	11°21	25°36	25°25	20°42	8° 3	0°36	1°32	26°54	14°42	16°15	1°39	29° 3	
T 18	7 48 18	27°39'04	24° 1	12°52	26°50	26°12	20°53	8° 7	0°39	1°34	26°55	14°33	16°11	1°46	29° 5	
F 19	7 52 14	28°40'06	6♁43	14°23	28° 4	26°59	21° 5	8°12	0°42	1°36	26°56	14°26	16° 8	1°52	29° 7	
S 20	7 56 11	29°41'08	19°10	15°55	29°18	27°45	21°16	8°16	0°46	1°38	26°57	14°21	16° 5	1°59	29° 9	
S 21	8 0 7	0♁42'09	1♁24	17°27	0♁33	28°32	21°28	8°20	0°49	1°40	26°58	14°18	16° 2	2° 6	29°11	
M22	8 4 4	1°43'10	13°25	19° 0	1°47	29°19	21°40	8°24	0°52	1°42	26°59	14°D17	15°59	2°12	29°14	
T 23	8 8 0	2°44'10	25°18	20°34	3° 1	0♁6	21°52	8°29	0°55	1°44	27° 0	14°17	15°56	2°19	29°16	
W24	8 11 57	3°45'09	7♁7	22° 8	4°15	0°53	22° 4	8°33	0°59	1°46	27° 1	14°19	15°52	2°26	29°18	
T 25	8 15 53	4°46'08	18°55	23°43	5°30	1°40	22°16	8°38	1° 2	1°48	27° 2	14°20	15°49	2°32	29°21	
F 26	8 19 50	5°47'06	0♁48	25°19	6°44	2°27	22°28	8°42	1° 5	1°50	27° 3	14°R22	15°46	2°39	29°23	
S 27	8 23 47	6°48'03	12°51	26°55	7°58	3°14	22°40	8°47	1° 8	1°52	27° 4	14°21	15°43	2°45	29°25	
S 28	8 27 43	7°49'00	25° 9	28°32	9°12	4° 1	22°52	8°52	1°11	1°54	27° 5	14°20	15°40	2°52	29°28	
M29	8 31 40	8°49'56	7♁46	0♁9	10°27	4°48	23° 5	8°57	1°14	1°56	27° 6	14°17	15°36	2°59	29°30	
T 30	8 35 36	9°50'51	20°47	1°48	11°41	5°35	23°17	9° 2	1°17	1°58	27° 7	14°12	15°33	3° 5	29°33	
W31	8 39 33	10♁51'46	4♁13	3♁27	12♁55	6♁22	23♁30	9°Y 7	1♁20	2♁0	27♁8	14♁7	15♁30	3♁12	29♁36	

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁	♁
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
M 1	23s 4	24s55	4s51	21s51	1n 9	19s40	1n40	23s44	0s55	5s54	1s13	0n36	2s28	23s40	0s12	22s22
T 2	22 59	27 23	5 3	22 5	1 1	19 55	1 38	23 40	0 55	5 50	1 13	0 37	2 28	23 40	0 12	22 22
W 3	22 53	28 23	4 58	22 19	0 52	20 9	1 36	23 35	0 56	5 46	1 13	0 39	2 27	23 40	0 12	22 22
T 4	22 47	27 41	4 37	22 32	0 44	20 22	1 33	23 31	0 56	5 42	1 13	0 40	2 27	23 40	0 12	22 22
F 5	22 41	25 15	3 58	22 45	0 36	20 35	1 31	23 25	0 56	5 38	1 13	0 41	2 27	23 40	0 12	22 22
S 6	22 34	21 13	3 5	22 56	0 27	20 47	1 29	23 20	0 57	5 34	1 12	0 42	2 27	23 40	0 12	22 22
S 7	22 27	15 56	1 59	23 6	0 19	20 59	1 26	23 14	0 57	5 30	1 12	0 44	2 26	23 40	0 12	22 22
M 8	22 19	9 45	0 45	23 16	0 11	21 10	1 24	23 9	0 57	5 26	1 12	0 45	2 26	23 40	0 12	22 22
T 9	22 11	3 6	0n31	23 25	0 3	21 21	1 22	23 2	0 58	5 22	1 12	0 47	2 26	23 40	0 12	22 22
W10	22 3 3n41	1 45	23 32	0s 4	21 31	1 19	22 56	0 58	5 17	1 12	0 48	2 26	23 40	0 12	22 22	
T 11	21 54	10 14	2 52	23 38	0 12	21 40	1 17	22 49	0 58	5 13	1 12	0 50	2 25	23 40	0 12	22 22
F 12	21 44	16 13	3 49	23 44	0 19	21 49	1 14	22 42	0 59	5 9	1 11	0 51	2 25	23 40	0 12	22 22
S 13	21 34	21 19	4 31	23 48	0 26	21 57	1 11	22 35	0 59	5 4	1 11	0 53	2 25	23 40	0 12	22 22
S 14	21 24	25 13	4 57	23 51	0 33	22 4	1 9	22 28	0 59	5 0	1 11	0 55	2 25	23 40	0 12	22 22
M15	21 14	27 38	5 7	23 52	0 40	22 11	1 6	22 20	0 59	4 55	1 11	0 56	2 24	23 40	0 12	22 22
T 16	21 3 28	26 4	5 29	23 53	0 47	22 17	1 3	22 12	1 0	4 51	1 11	0 58	2 24	23 40	0 12	22 22
W17	20 51	27 34	4 35	23 52	0 53	22 23	1 1	22 4	1 0	4 46	1 11	1 0	2 24	23 40	0 12	22 22
T 18	20 39	25 14	3 58	23 50	1 0	22 28	0 58	21 55	1 0	4 42	1 10	1 1	2 24	23 40	0 12	22 22
F 19	20 27	21 40	3 9	23 46	1 6	22 32	0 55	21 46	1 0	4 37	1 10	1 3	2 23	23 40	0 12	22 22
S 20	20 14	17 11	2 12	23 42	1 11	22 35	0 52	21 37	1 1	4 32	1 10	1 5	2 23	23 40	0 12	22 22
S 21	20 1	12 4	1 9	23 36	1 17	22 38	0 50	21 28	1 1	4 28	1 10	1 7	2 23	23 40	0 12	22 22
M22	19 48	6 36	0 5	23 28	1 22	22 40	0 47	21 19	1 1	4 23	1 10	1 9	2 23	23 40	0 12	22 22
T 23	19 34	0 57	1s 0	23 19	1 27	22 42	0 44	21 9	1 1	4 18	1 10	1 11	2 23	23 40	0 12	22 22
W24	19 20	4s41	2 1	23 9	1 32	22 43	0 41	20 59	1 2	4 13	1 10	1 13	2 22	23 40	0 12	22 22
T 25	19 6	10 9	2 57	22 58	1 36	22 43	0 38	20 49	1 2	4 8	1 10	1 15	2 22	23 40	0 12	22 21
F 26	18 51	15 18	3 46	22 45	1 40	22 42	0 35	20 39	1 2	4 3	1 9	1 17	2 22	23 40	0 13	22 21
S 27	18 36	19 56	4 26	22 30	1 44	22 41	0 32	20 28	1 2	3 58	1 9	1 19	2 22	23 40	0 13	22 21
S 28	18 20	23 50	4 55	22 14	1 48	22 39	0 30	20 17	1 2	3 53	1 9	1 21	2 22	23 40	0 13	22 21
M29	18 4	26 43	5 10	21 57	1 51	22 37	0 27	20 6	1 3	3 48	1 9	1 23	2 21	23 40	0 13	22 21
T 30	17 48	28 18	5 10	21 38	1 54	22 33	0 24	19 55	1 3	3 43	1 9	1 25	2 21	23 40	0 13	22 21
W31	17s32	28s17	4s53	21s18	1s57	22s29	0n21	19s43	1s 3	3s38	1s 9	1n27	2s21	23s40	0s13	22s21

Julian Day Number = 2386166.5, Delta T = 11.37 sec
 Ecliptic obliquity = 23°27'54, Nutation = 0°00'04
 Ayanamsha: Fagan/Bradley = 22°14'28, Lahiri = 21°21'28

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁
T 1	8 43 29	11 ^h 52'40"	18 ^h 3'4"	5 ^h 6'	14 ^h 3'10"	7 ^h 9'	23 ^h 42'	9 ^h 12'	1 ^h 23'	2 ^h 2'	27 ^h 9'	14 ^h R 1	15 ^h 27'	3 ^h 19'	29 ^h 38'
F 2	8 47 26	12 ^h 53'32"	2 ^h 47'	6 ^h 47'	15 ^h 24'	7 ^h 56'	23 ^h 55'	9 ^h 17'	1 ^h 26'	2 ^h 4'	27 ^h 10'	13 ^h 56'	15 ^h 24'	3 ^h 25'	29 ^h 41'
S 3	8 51 22	13 ^h 54'24"	16 ^h 48'	8 ^h 28'	16 ^h 39'	8 ^h 43'	24 ^h 8'	9 ^h 23'	1 ^h 29'	2 ^h 5'	27 ^h 12'	13 ^h 53'	15 ^h 21'	3 ^h 32'	29 ^h 44'
S 4	8 55 19	14 ^h 55'14"	1 ^h 31'	10 ^h 10'	17 ^h 53'	9 ^h 31'	24 ^h 20'	9 ^h 28'	1 ^h 32'	2 ^h 7'	27 ^h 13'	13 ^h 51'	15 ^h 17'	3 ^h 39'	29 ^h 47'
M 5	8 59 16	15 ^h 56'02"	16 ^h 17'	11 ^h 53'	19 ^h 7'	10 ^h 18'	24 ^h 33'	9 ^h 33'	1 ^h 35'	2 ^h 9'	27 ^h 14'	13 ^h D50	15 ^h 14'	3 ^h 45'	29 ^h 49'
T 6	9 3 12	16 ^h 56'50"	1 ^h 0'	13 ^h 36'	20 ^h 22'	11 ^h 5'	24 ^h 46'	9 ^h 39'	1 ^h 38'	2 ^h 11'	27 ^h 15'	13 ^h 51'	15 ^h 11'	3 ^h 52'	29 ^h 52'
W 7	9 7 9	17 ^h 57'36"	15 ^h 35'	15 ^h 21'	21 ^h 36'	11 ^h 52'	24 ^h 59'	9 ^h 44'	1 ^h 40'	2 ^h 12'	27 ^h 16'	13 ^h 52'	15 ^h 8'	3 ^h 59'	29 ^h 55'
T 8	9 11 5	18 ^h 58'20"	29 ^h 56'	17 ^h 6'	22 ^h 51'	12 ^h 39'	25 ^h 12'	9 ^h 50'	1 ^h 43'	2 ^h 14'	27 ^h 17'	13 ^h 54'	15 ^h 5'	4 ^h 5'	29 ^h 58'
F 9	9 15 2	19 ^h 59'02"	14 ^h 8'2"	18 ^h 52'	24 ^h 5'	13 ^h 26'	25 ^h 26'	9 ^h 56'	1 ^h 46'	2 ^h 16'	27 ^h 19'	13 ^h R55	15 ^h 2'	4 ^h 12'	0 ^h 1'
S 10	9 18 58	20 ^h 59'44"	27 ^h 51'	20 ^h 38'	25 ^h 19'	14 ^h 14'	25 ^h 39'	10 ^h 2'	1 ^h 49'	2 ^h 17'	27 ^h 20'	13 ^h 55'	14 ^h 58'	4 ^h 19'	0 ^h 4'
S 11	9 22 55	22 ^h 0'23"	11 ^h II24	22 ^h 26'	26 ^h 34'	15 ^h 1'	25 ^h 52'	10 ^h 7'	1 ^h 51'	2 ^h 19'	27 ^h 21'	13 ^h 54'	14 ^h 55'	4 ^h 25'	0 ^h 7'
M12	9 26 51	23 ^h 1'01"	24 ^h 41'	24 ^h 14'	27 ^h 48'	15 ^h 48'	26 ^h 5'	10 ^h 13'	1 ^h 54'	2 ^h 21'	27 ^h 23'	13 ^h 51'	14 ^h 52'	4 ^h 32'	0 ^h 10'
T 13	9 30 48	24 ^h 1'37"	7 ^h 34'3"	26 ^h 3'	29 ^h 3'	16 ^h 35'	26 ^h 19'	10 ^h 19'	1 ^h 56'	2 ^h 22'	27 ^h 24'	13 ^h 49'	14 ^h 49'	4 ^h 39'	0 ^h 13'
W14	9 34 45	25 ^h 2'11"	20 ^h 31'	27 ^h 53'	0 ^h 17'	17 ^h 23'	26 ^h 32'	10 ^h 25'	1 ^h 59'	2 ^h 24'	27 ^h 25'	13 ^h 46'	14 ^h 46'	4 ^h 45'	0 ^h 16'
T 15	9 38 41	26 ^h 2'43"	3 ^h Ω 6	29 ^h 43'	1 ^h 32'	18 ^h 10'	26 ^h 46'	10 ^h 31'	2 ^h 1'	2 ^h 25'	27 ^h 26'	13 ^h 43'	14 ^h 42'	4 ^h 52'	0 ^h 19'
F 16	9 42 38	27 ^h 3'14"	15 ^h 29'	1 ^h 34'	2 ^h 46'	18 ^h 57'	26 ^h 59'	10 ^h 37'	2 ^h 4'	2 ^h 27'	27 ^h 28'	13 ^h 40'	14 ^h 39'	4 ^h 59'	0 ^h 22'
S 17	9 46 34	28 ^h 3'44"	27 ^h 42'	3 ^h 26'	4 ^h 0'	19 ^h 45'	27 ^h 13'	10 ^h 44'	2 ^h 6'	2 ^h 28'	27 ^h 29'	13 ^h 39'	14 ^h 36'	5 ^h 5'	0 ^h 26'
S 18	9 50 31	29 ^h 4'11"	9 ^h 45'	5 ^h 18'	5 ^h 15'	20 ^h 32'	27 ^h 27'	10 ^h 50'	2 ^h 9'	2 ^h 30'	27 ^h 30'	13 ^h D38	14 ^h 33'	5 ^h 12'	0 ^h 29'
M19	9 54 27	0 ^h 4'37"	21 ^h 41'	7 ^h 10'	6 ^h 29'	21 ^h 19'	27 ^h 40'	10 ^h 56'	2 ^h 11'	2 ^h 31'	27 ^h 32'	13 ^h 38'	14 ^h 30'	5 ^h 19'	0 ^h 32'
T 20	9 58 24	1 ^h 5'02"	3 ^h 32'	9 ^h 3'	7 ^h 44'	22 ^h 6'	27 ^h 54'	11 ^h 3'	2 ^h 13'	2 ^h 33'	27 ^h 33'	13 ^h 39'	14 ^h 27'	5 ^h 25'	0 ^h 35'
W21	10 2 20	2 ^h 5'25"	15 ^h 20'	10 ^h 55'	8 ^h 58'	22 ^h 54'	28 ^h 8'	11 ^h 9'	2 ^h 15'	2 ^h 34'	27 ^h 35'	13 ^h 40'	14 ^h 23'	5 ^h 32'	0 ^h 38'
T 22	10 6 17	3 ^h 5'46"	27 ^h 8'	12 ^h 47'	10 ^h 13'	23 ^h 41'	28 ^h 22'	11 ^h 15'	2 ^h 18'	2 ^h 35'	27 ^h 36'	13 ^h 41'	14 ^h 20'	5 ^h 38'	0 ^h 42'
F 23	10 10 14	4 ^h 6'06"	9 ^h 11'2"	14 ^h 39'	11 ^h 27'	24 ^h 28'	28 ^h 36'	11 ^h 22'	2 ^h 20'	2 ^h 37'	27 ^h 37'	13 ^h 42'	14 ^h 17'	5 ^h 45'	0 ^h 45'
S 24	10 14 10	5 ^h 6'25"	2 ^h 1'4"	16 ^h 31'	12 ^h 41'	25 ^h 16'	28 ^h 49'	11 ^h 28'	2 ^h 22'	2 ^h 38'	27 ^h 39'	13 ^h 43'	14 ^h 14'	5 ^h 52'	0 ^h 48'
S 25	10 18 7	6 ^h 6'42"	3 ^h 20'	18 ^h 21'	13 ^h 56'	26 ^h 3'	29 ^h 3'	11 ^h 35'	2 ^h 24'	2 ^h 39'	27 ^h 40'	13 ^h R43	14 ^h 11'	5 ^h 58'	0 ^h 52'
M26	10 22 3	7 ^h 6'58"	15 ^h 53'	20 ^h 10'	15 ^h 10'	26 ^h 50'	29 ^h 17'	11 ^h 42'	2 ^h 26'	2 ^h 41'	27 ^h 42'	13 ^h 43'	14 ^h 8'	6 ^h 5'	0 ^h 55'
T 27	10 26 0	8 ^h 7'12"	28 ^h 49'	21 ^h 57'	16 ^h 25'	27 ^h 38'	29 ^h 32'	11 ^h 48'	2 ^h 28'	2 ^h 42'	27 ^h 43'	13 ^h 43'	14 ^h 4'	6 ^h 12'	0 ^h 59'
W28	10 29 56	9 ^h 7'25"	12 ^h 3'9"	23 ^h 42'	17 ^h 39'	28 ^h 25'	29 ^h 46'	11 ^h 55'	2 ^h 30'	2 ^h 43'	27 ^h 44'	13 ^h 42'	14 ^h 1'	6 ^h 18'	1 ^h 0'2"

Day	☉	☽	♀	♁	♂	♃	♅	♁	♁	♁	♁	♁	♁	♁	♁										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat										
T 1	17s15	26s31	4s19	20s56	1s59	22s25	0n18	19s31	1s3	3s33	1s9	1n30	2s21	23s40	0s13	22s21	1n6	15s44	15s57	6s18	5s44	2s46	2n36	3n0	
F 2	16 58 23	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20	3 28 20
S 3	16 40 18	5 2 23	20 8	2 3 22	13 0	12 19	0 15	19 19	1 3	3 28	1 9	1 32	2 21	23 40	0 13	22 21	1 6	15 43	15 57	6 19	5 46	2 50	2 37	3 0	
S 4	16 23 12	0 1 7	19 42	2 4 22	7 0	9 18	55 1	4 3 18	1 8	1 36	2 20	23 40	0 13	22 21	1 6	15 42	15 56	6 22	5 48	2 56	2 39	2 59	2 59	2 59	
M 5	16 5 5 13	0n13	19 14	2 5 21	59 0	7 18	42 1	4 3 13	1 8	1 39	2 20	23 40	0 13	22 21	1 6	15 41	15 56	6 22	5 49	3 0	2 40	2 59	2 59	2 59	
T 6	15 46 1n49	1 33	18 45	2 5 21	51 0	4 18	30 1	4 3 7	1 8	1 41	2 20	23 40	0 13	22 21	1 6	15 40	15 56	6 22	5 51	3 3	2 41	2 59	2 59	2 59	
W 7	15 28 8 41	2 46	18 14	2 5 21	43 0	1 18	17 1	4 3 2	1 8	1 43	2 20	23 40	0 13	22 21	1 6	15 40	15 56	6 21	5 52	3 7	2 42	2 59	2 59	2 59	
T 8	15 9 15 0	3 47	17 42	2 4 21	33 0s	2 18	3 1	4 2 57	1 8	1 46	2 20	23 40	0 13	22 21	1 6	15 39	15 55	6 20	5 53	3 10	2 43	2 59	2 59	2 59	
F 9	14 50 20 25	4 33	17 9	2 3 21	24 0	5 17	50 1	4 2 51	1 8	1 48	2 19	23 40	0 13	22 21	1 6	15 38	15 55	6 20	5 54	3 14	2 44	2 58	2 58	2 58	
S 10	14 31 24 37	5 3	16 33	2 2 21	13 0	7 17	36 1	5 2 46	1 8	1 51	2 19	23 40	0 13	22 21	1 6	15 38	15 55	6 20	5 56	3 17	2 45	2 58	2 58	2 58	
S 11	14 11 27 22	5 15	15 57	2 0 21	2 0	10 17	23 1	5 2 41	1 8	1 53	2 19	23 40	0 13	22 21	1 6	15 37	15 55	6 21	5 57	3 20	2 46	2 58	2 58	2 58	
M12	13 52 28 31	5 9	15 19	1 58	20 50	0 13	17 9	1 5 2 35	1 7	1 55	2 19	23 40	0 13	22 21	1 6	15 36	15 55	6 21	5 58	3 24	2 47	2 58	2 58	2 58	
T 13	13 32 28 2	4 48	14 39	1 55	20 37	0 15	16 55	1 5 2 30	1 7	1 58	2 19	23 40	0 13	22 21	1 6	15 36	15 54	6 22	5 59	3 27	2 48	2 58	2 58	2 58	
W14	13 11 26 4	4 13	13 58	1 51	20 24	0 18	16 40	1 5 2 24	1 7	2 0	2 19	23 40	0 13	22 21	1 6	15 35	15 54	6 24	6 0	3 31	2 49	2 58	2 58	2 58	
T 15	12 51 22 49	3 26	13 16	1 47	20 11	0 21	16 26	1 5 2 19	1 7	2 3	2 18	23 40	0 13	22 21	1 6	15 34	15 54	6 25	6 2	3 34	2 50	2 57	2 57	2 57	
F 16	12 30 18 35	2 30	12 32	1 43	19 56	0 23	16 11	1 5 2 14	1 7	2 5	2 18	23 40	0 13	22 20	1 6	15 34	15 54	6 26	6 3	3 37	2 51	2 57	2 57	2 57	
S 17	12 10 13 39	1 27	11 47	1 38	19 42	0 26	15 57	1 5 2 8	1 7	2 8	2 18	23 40	0 13	22 20	1 6	15 33	15 54	6 26	6 4	3 41	2 53	2 57	2 57	2 57	
S 18	11 49 8 15	0 22	11 0	1 32	19 26	0 28	15 42	1 5 2 3	1 7	2 11	2 18	23 40	0 13	22 20	1 6	15 32	15 54	6 26	6 5	3 44	2 54	2 57	2 57	2 57	
M19	11 27 2 37	0s44	10 13	1 26	19 10	0 31	15 26	1 5 1 57	1 7	2 13	2 18	23 40	0 13	22 20	1 6	15 31	15 53	6 26	6 7	3 48	2 55	2 57	2 57	2 57	
T 20	11 6 3s 3	1 48	9 24	1 19	18 54	0 33	15 11	1 5 1 51	1 7	2 16	2 18	23 40	0 13	22 20	1 6	15 31	15 53	6 26	6 8	3 51	2 56	2 57	2 57	2 57	
W21	10 45 8 36	2 47	8 34																						

SWISS EPHEMERIS for the year 1821

MARCH 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	10 33 53	10♈ 7'36	25♄57	25♈24	18♁54	29♁12	29♈59	12♃ 2	2♄32	2♄44	27♈46	13♃42	13♈58	6♁25	1♃ 5
F 2	10 37 49	11° 7'46	10♁11	27° 3	20° 8	29°59	0♃14	12° 9	2°34	2°45	27°47	13♈42	13°55	6°32	1° 9
S 3	10 41 46	12° 7'54	24°48	28°38	21°23	0♈47	0°28	12°16	2°36	2°46	27°49	13°41	13°52	6°38	1°12
S 4	10 45 43	13° 8'00	9♈43	0♃ 9	22°37	1°34	0°42	12°23	2°37	2°47	27°50	13°41	13°48	6°45	1°16
M 5	10 49 39	14° 8'04	24°49	1°35	23°52	2°21	0°57	12°30	2°39	2°48	27°52	13°41	13°45	6°52	1°19
T 6	10 53 36	15° 8'06	9♃55	2°56	25° 6	3° 9	1°11	12°37	2°41	2°49	27°53	13°41	13°42	6°58	1°23
W 7	10 57 32	16° 8'06	24°53	4°11	26°20	3°56	1°25	12°44	2°42	2°50	27°55	13°41	13°39	7° 5	1°26
T 8	11 1 29	17° 8'05	9♄36	5°19	27°35	4°43	1°39	12°51	2°44	2°51	27°56	13°41	13°36	7°12	1°30
F 9	11 5 25	18° 8'01	23°59	6°20	28°49	5°30	1°54	12°58	2°46	2°52	27°58	13°40	13°33	7°18	1°33
S 10	11 9 22	19° 7'54	7♁57	7°14	0♈ 4	6°18	2° 8	13° 5	2°47	2°53	27°59	13°40	13°29	7°25	1°37
S 11	11 13 18	20° 7'46	21°31	8° 1	1°18	7° 5	2°22	13°12	2°48	2°54	28° 1	13°D40	13°26	7°32	1°41
M12	11 17 15	21° 7'35	4♁43	8°39	2°32	7°52	2°37	13°19	2°50	2°55	28° 2	13°40	13°23	7°38	1°44
T 13	11 21 12	22° 7'22	17°34	9° 9	3°47	8°39	2°51	13°26	2°51	2°55	28° 4	13°41	13°20	7°45	1°48
W14	11 25 8	23° 7'07	0♁ 8	9°30	5° 1	9°27	3° 6	13°34	2°52	2°56	28° 5	13°42	13°17	7°52	1°51
T 15	11 29 5	24° 6'50	12°27	9°43	6°16	10°14	3°20	13°41	2°54	2°57	28° 7	13°43	13°13	7°58	1°55
F 16	11 33 1	25° 6'30	24°36	9°R48	7°30	11° 1	3°35	13°48	2°55	2°58	28° 8	13°44	13°10	8° 5	1°59
S 17	11 36 58	26° 6'08	6♁36	9°45	8°44	11°48	3°49	13°55	2°56	2°58	28°10	13°44	13° 7	8°12	2° 2
S 18	11 40 54	27° 5'44	18°30	9°33	9°59	12°35	4° 4	14° 3	2°57	2°59	28°11	13°R44	13° 4	8°18	2° 6
M19	11 44 51	28° 5'18	0♁20	9°14	11°13	13°22	4°18	14°10	2°58	2°59	28°13	13°44	13° 1	8°25	2° 9
T 20	11 48 47	29° 4'50	12° 9	8°48	12°27	14° 9	4°33	14°18	2°59	3° 0	28°14	13°42	12°58	8°32	2°13
W21	11 52 44	0♃ 4'20	23°58	8°16	13°42	14°56	4°47	14°25	3° 0	3° 0	28°16	13°40	12°54	8°38	2°17
T 22	11 56 40	1° 3'48	5♁50	7°38	14°56	15°44	5° 2	14°32	3° 1	3° 1	28°17	13°37	12°51	8°45	2°20
F 23	12 0 37	2° 3'14	17°48	6°55	16°10	16°31	5°16	14°40	3° 2	3° 1	28°19	13°34	12°48	8°52	2°24
S 24	12 4 34	3° 2'38	29°53	6° 8	17°24	17°18	5°31	14°47	3° 2	3° 2	28°20	13°32	12°45	8°58	2°28
S 25	12 8 30	4° 2'01	12♁10	5°19	18°39	18° 5	5°45	14°55	3° 3	3° 2	28°22	13°29	12°42	9° 5	2°31
M26	12 12 27	5° 1'22	24°42	4°28	19°53	18°52	6° 0	15° 2	3° 4	3° 3	28°23	13°28	12°39	9°12	2°35
T 27	12 16 23	6° 0'41	7♄32	3°37	21° 7	19°39	6°14	15°10	3° 4	3° 3	28°25	13°D28	12°35	9°18	2°38
W28	12 20 20	6°59'58	20°45	2°46	22°22	20°26	6°29	15°17	3° 5	3° 3	28°26	13°28	12°32	9°25	2°42
T 29	12 24 16	7°59'14	4♁22	1°56	23°36	21°12	6°43	15°25	3° 6	3° 3	28°28	13°29	12°29	9°32	2°46
F 30	12 28 13	8°58'27	18°26	1° 9	24°50	21°59	6°58	15°32	3° 6	3° 4	28°29	13°31	12°26	9°38	2°49
S 31	12 32 9	9♃57'39	2♈55	0♃24	26♈ 4	22♈46	7♃12	15♃40	3♄ 6	3♄ 4	28♈31	13♈32	12♈23	9♁45	2♃53

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	7s47	24s50	3s55	1s38	0n13	16s 1	0s54	12s47	1s 5	1s 1	1s 6	2n40	2s17	23s40	0s13	22s20	1n 6	15s25	15s52	6s25	6s19	4s22	3n 7	2n55
F 2	7 24	20 32	2 56	0 47	0 25	15 40	0 56	12 30	1 5	0 55	1 6	2 43	2 16	23 40	0 13	22 20	1 6	15 24	15 52	6 25	6 20	4 25	3 8	2 55
S 3	7 1	14 53	1 43	0n 3	0 39	15 18	0 58	12 14	1 5	0 50	1 6	2 46	2 16	23 39	0 13	22 20	1 6	15 23	15 52	6 25	6 21	4 28	3 10	2 55
S 4	6 38	8 16	0 22	0 51	0 52	14 56	0 59	11 57	1 5	0 44	1 6	2 48	2 16	23 39	0 13	22 20	1 6	15 23	15 52	6 25	6 23	4 32	3 11	2 55
M 5	6 15	1 7	1n 1	1 38	1 6	14 33	1 1	11 40	1 5	0 38	1 6	2 51	2 16	23 39	0 13	22 20	1 6	15 22	15 52	6 25	6 24	4 35	3 12	2 55
T 6	5 52	6n 5	2 21	2 23	1 19	14 10	1 3	11 23	1 5	0 32	1 6	2 54	2 16	23 39	0 13	22 20	1 7	15 21	15 52	6 25	6 25	4 38	3 13	2 55
W 7	5 29	12 54	3 30	3 5	1 33	13 46	1 5	11 5	1 5	0 27	1 6	2 57	2 16	23 39	0 13	22 20	1 7	15 21	15 52	6 25	6 26	4 42	3 15	2 55
T 8	5 5	18 52	4 23	3 45	1 47	13 22	1 7	10 48	1 5	0 21	1 6	3 0	2 16	23 39	0 13	22 20	1 7	15 20	15 52	6 25	6 27	4 45	3 16	2 55
F 9	4 42	23 37	4 59	4 22	2 0	12 58	1 8	10 31	1 5	0 15	1 6	3 2	2 16	23 39	0 13	22 19	1 7	15 20	15 52	6 26	6 29	4 49	3 17	2 55
S 10	4 18	26 51	5 16	4 55	2 13	12 33	1 10	10 13	1 5	0 9	1 6	3 5	2 16	23 39	0 13	22 19	1 7	15 19	15 52	6 26	6 30	4 52	3 19	2 54
S 11	3 55	28 26	5 15	5 25	2 26	12 8	1 11	9 55	1 5	0 4	1 6	3 8	2 16	23 39	0 13	22 19	1 7	15 18	15 51	6 26	6 31	4 55	3 20	2 54
M12	3 31	28 19	4 57	5 51	2 37	11 43	1 13	9 38	1 5	0n 2	1 6	3 11	2 15	23 39	0 13	22 19	1 7	15 18	15 51	6 26	6 32	4 59	3 21	2 54
T 13	3 8	26 40	4 24	6 12	2 48	11 17	1 14	9 20	1 5	0 8	1 6	3 14	2 15	23 39	0 13	22 19	1 7	15 17	15 51	6 25	6 34	5 2	3 23	2 54
W14	2 44	23 43	3 39	6 30	2 58	10 51	1 16	9 2	1 5	0 14	1 6	3 17	2 15	23 39	0 13	22 19	1 7	15 16	15 51	6 25	6 35	5 6	3 24	2 54
T 15	2 20	19 43	2 45	6 44	3 7	10 25	1 17	8 44	1 4	0 19	1 6	3 20	2 15	23 39	0 13	22 19	1 7	15 16	15 51	6 25	6 36	5 9	3 25	2 54
F 16	1 57	14 58	1 44	6 52	3 15	9 58	1 18	8 26	1 4	0 25	1 6	3 22	2 15	23 39	0 13	22 19	1 7	15 15	15 51	6 24	6 37	5 12	3 27	2 54
S 17	1 33	9 43	0 40	6 57	3 21	9 32	1 19	8 8	1 4	0 31	1 6	3 25	2 15	23 39	0 13	22 19	1 7	15 15	15 51	6 24	6 38	5 16	3 28	2 54
S 18	1 9	4 9	0s26	6 57	3 26	9 4	1 20	7 50	1 4	0 37	1 6	3 28	2 15	23 39	0 13	22 19	1 7	15 14	15 51	6 24	6 40	5 19	3 29	2 54
M19	0 46	1s31	1 31	6 52	3 29	8 37	1 21	7 32	1 4	0 42	1 6	3 31	2 15	23 39	0 13	22 19	1 7	15 13	15 51	6 24	6 41	5 22	3 31	2 54
T 20	0 22	7 7	2 31	6 43	3 31	8 10	1 22	7 13	1 4	0 48	1 6	3 34	2 15	23 39	0 13	22 19	1 7	15 13	15 51	6 25	6 42	5 26	3 32	2 54
W21	0n 2	12 29	3 25	6 30	3 30	7 42	1 23	6 55	1 4	0 54	1 6	3 37	2 15	23 39	0 13	22 19	1 7	15 12	15 51	6 26	6 43	5 29	3 34	2 54
T 22	0 25	17 24	4 10	6 13	3 28	7 14	1 24	6 37	1 3	1 0	1 6	3 40	2 15	23 39	0 14	22 19	1 7	15 12	15 51	6 27	6 44	5 32	3 35	2 53
F 23	0 49	21 42	4 44	5 52	3 24	6 46	1 25	6 18	1 3	1 6	1 6	3 43	2 15	23 39	0 14	22 19	1 7	15 11	15 51	6 28	6 46	5 36	3 36	2 53
S 24	1 13	25 8	5 6	5 28	3 18	6 17	1 25	6 0	1 3	1 11	1 6	3 46	2 15	23 39	0 14	22 19	1 7	15 10	15 51	6 29	6 47	5 39	3 38	2 53
S 25	1 36	27 29	5 15	5 2	3 11	5 49	1 26	5 41	1 3	1 17	1 6	3 49	2 15	23 39	0 14	22 19	1 7	15 10	15 52	6 30	6 48	5 43	3 39	2 53
M26	2 0	28 31	5 9	4 33	3 2	5 20	1 27	5 22	1 3	1 23	1 6	3 52	2 15	23 39	0 14	22 19	1 7	15 9	15 52	6 30	6 49	5 46	3 41	2 53
T 27	2 23	28 2	4 48	4 3	2 51	4 51	1 27	5 4	1 3	1 29	1 6	3 54	2 15	23 39	0 14	22 19	1 7	15 9	15 52	6 31	6 51	5 49	3 42	2 53
W28	2 47	26 0	4 11	3 32	2 39	4 22	1 28	4 45	1 2	1 34	1 6	3 57	2 15	23 39	0 14	22 19	1 7	15 8	15 52	6 30	6 52	5 53	3 43	2 53
T 29	3 10	22 25	3 19	3 0	2 26	3 53	1 28	4 26	1 2	1 40	1 6	4 0	2 15	23 39	0 14	22 19	1 7	15 8	15 52	6 30	6 53	5 56	3 45	2 53
F 30	3 34	17 26	2 14	2 28	2 12	3 24	1 28	4																

SWISS EPHEMERIS for the year 1821

APRIL 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂
S 1	12 36 6	10°Y56'49	17°H46	29°R44	27°H19	23°H33	7°Y27	15°Y47	3°Z 7	3°Z 4	28°H32	13°R32	12°H19	9°H51	2°Y57
M 2	12 40 3	11°55'57	2°Y53	29°H 8	28°33	24°20	7°42	15°55	3° 7	3° 4	28°34	13°H31	12°16	9°58	3° 0
T 3	12 43 59	12°55'03	18° 8	28°37	29°47	25° 7	7°56	16° 2	3° 7	3° 4	28°35	13°29	12°13	10° 5	3° 4
W 4	12 47 56	13°54'07	3°H19	28°11	1°Y 1	25°54	8°11	16°10	3° 8	3° 4	28°37	13°25	12°10	10°11	3° 7
T 5	12 51 52	14°53'09	18°18	27°50	2°16	26°40	8°25	16°18	3° 8	3°R 4	28°38	13°20	12° 7	10°18	3°11
F 6	12 55 49	15°52'09	2°H56	27°34	3°30	27°27	8°40	16°25	3° 8	3° 4	28°40	13°16	12° 4	10°25	3°14
S 7	12 59 45	16°51'06	17° 8	27°24	4°44	28°14	8°54	16°33	3°R 8	3° 4	28°41	13°12	12° 0	10°31	3°18
S 8	13 3 42	17°50'01	0°H51	27°D20	5°58	29° 0	9° 8	16°40	3° 8	3° 4	28°43	13° 9	11°57	10°38	3°22
M 9	13 7 38	18°48'54	14° 7	27°20	7°12	29°47	9°23	16°48	3° 8	3° 4	28°44	13°D 8	11°54	10°45	3°25
T 10	13 11 35	19°47'45	26°57	27°27	8°27	0°Y33	9°37	16°55	3° 8	3° 4	28°45	13° 8	11°51	10°51	3°29
W 11	13 15 32	20°46'33	9°H26	27°38	9°41	1°20	9°52	17° 3	3° 8	3° 3	28°47	13° 9	11°48	10°58	3°32
T 12	13 19 28	21°45'19	21°39	27°54	10°55	2° 7	10° 6	17°11	3° 7	3° 3	28°48	13°11	11°45	11° 5	3°36
F 13	13 23 25	22°44'03	3°H39	28°15	12° 9	2°53	10°20	17°18	3° 7	3° 3	28°50	13°12	11°41	11°11	3°39
S 14	13 27 21	23°42'44	15°32	28°40	13°23	3°39	10°35	17°26	3° 7	3° 3	28°51	13°R13	11°38	11°18	3°43
S 15	13 31 18	24°41'23	27°21	29°10	14°37	4°26	10°49	17°33	3° 6	3° 2	28°52	13°11	11°35	11°25	3°46
M 16	13 35 14	25°40'00	9°H 8	29°44	15°51	5°12	11° 3	17°41	3° 6	3° 2	28°54	13° 8	11°32	11°31	3°49
T 17	13 39 11	26°38'36	20°58	0°Y21	17° 5	5°59	11°18	17°48	3° 6	3° 2	28°55	13° 3	11°29	11°38	3°53
W 18	13 43 7	27°37'09	2°H51	1° 3	18°19	6°45	11°32	17°56	3° 5	3° 1	28°57	12°56	11°25	11°45	3°56
T 19	13 47 4	28°35'40	14°50	1°48	19°33	7°31	11°46	18° 3	3° 4	3° 1	28°58	12°48	11°22	11°51	4° 0
F 20	13 51 1	29°34'10	26°56	2°37	20°48	8°17	12° 0	18°11	3° 4	3° 0	28°59	12°39	11°19	11°58	4° 3
S 21	13 54 57	0°H32'38	9°H10	3°29	22° 2	9° 4	12°14	18°18	3° 3	3° 0	29° 1	12°31	11°16	12° 5	4° 6
S 22	13 58 54	1°31'04	21°35	4°25	23°16	9°50	12°29	18°26	3° 2	2°59	29° 2	12°23	11°13	12°11	4°10
M 23	14 2 50	2°29'29	4°H13	5°23	24°30	10°36	12°43	18°33	3° 2	2°59	29° 3	12°18	11°10	12°18	4°13
T 24	14 6 47	3°27'52	17° 5	6°24	25°44	11°22	12°57	18°40	3° 1	2°58	29° 4	12°14	11° 6	12°25	4°16
W 25	14 10 43	4°26'13	0°H14	7°28	26°58	12° 8	13°11	18°48	3° 0	2°58	29° 6	12°D13	11° 3	12°31	4°19
T 26	14 14 40	5°24'33	13°44	8°35	28°12	12°54	13°25	18°55	2°59	2°57	29° 7	12°13	11° 0	12°38	4°23
F 27	14 18 36	6°22'51	27°35	9°44	29°26	13°40	13°39	19° 3	2°58	2°56	29° 8	12°14	10°57	12°45	4°26
S 28	14 22 33	7°21'08	11°H50	10°55	0°H40	14°26	13°53	19°10	2°57	2°55	29°10	12°R15	10°54	12°51	4°29
S 29	14 26 30	8°19'23	26°26	12°10	1°54	15°12	14° 6	19°17	2°56	2°55	29°11	12°14	10°50	12°58	4°32
M 30	14 30 26	9°H17'36	11°Y20	13°Y26	3°H 8	15°Y58	14°Y20	19°Y24	2°H55	2°H54	29°H12	12°H11	10°H47	13°H 5	4°Y35

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♆	♁	♂										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	4n20	4s29	0n23	1n27	1n41	2s25	1s29	3s30	1s 1	1n57	1s 6	4n 9	2s15	23s39	0s14	22s19	1n 7	15s 6	15s52	6s29	6s57	6s 6	3n49	2n53
M 2	4 43	2n45	1 44	0 58	1 25	1 56	1 29	3 11	1 1	2 3	1 6	4 12	2 15	23 39	0 14	22 19	1 7	15 6	15 52	6 29	6 58	6 9	3 50	2 53
T 3	5 6	9 52	2 58	0 31	1 9	1 26	1 29	2 53	1 1	2 9	1 6	4 15	2 15	23 39	0 14	22 18	1 7	15 5	15 52	6 30	6 59	6 13	3 52	2 53
W 4	5 29	16 23	4 0	0 5	0 53	0 57	1 29	2 34	1 1	2 14	1 6	4 18	2 15	23 39	0 14	22 18	1 7	15 5	15 52	6 32	7 0	6 16	3 53	2 53
T 5	5 52	21 50	4 43	0s18	0 37	0 27	1 29	2 15	1 0	2 20	1 6	4 21	2 15	23 39	0 14	22 18	1 7	15 4	15 52	6 33	7 2	6 19	3 54	2 53
F 6	6 15	25 48	5 7	0 38	0 21	0n 2	1 28	1 56	1 0	2 26	1 6	4 24	2 15	23 39	0 14	22 18	1 7	15 4	15 52	6 35	7 3	6 23	3 56	2 53
S 7	6 38	28 1	5 12	0 56	0 6	0 32	1 28	1 37	1 0	2 32	1 6	4 26	2 15	23 40	0 14	22 18	1 7	15 3	15 53	6 37	7 4	6 26	3 57	2 53
S 8	7 0	28 26	4 58	1 12	0s 9	1 2	1 28	1 18	1 0	2 37	1 6	4 29	2 15	23 40	0 14	22 18	1 7	15 3	15 53	6 38	7 5	6 29	3 59	2 53
M 9	7 23	27 10	4 28	1 25	0 23	1 31	1 28	1 0	0 59	2 43	1 6	4 32	2 15	23 40	0 14	22 18	1 7	15 2	15 53	6 38	7 6	6 33	4 0	2 53
T 10	7 45	24 29	3 46	1 35	0 37	2 1	1 27	0 41	0 59	2 49	1 6	4 35	2 15	23 40	0 14	22 18	1 8	15 2	15 53	6 38	7 8	6 36	4 1	2 53
W 11	8 7	20 42	2 54	1 43	0 51	2 31	1 27	0 22	0 59	2 54	1 6	4 38	2 15	23 40	0 14	22 18	1 8	15 1	15 53	6 38	7 9	6 39	4 3	2 53
T 12	8 29	16 7	1 55	1 48	1 3	3 0	1 26	0 3	0 58	3 0	1 6	4 41	2 15	23 40	0 14	22 18	1 8	15 1	15 53	6 37	7 10	6 43	4 4	2 53
F 13	8 51	10 59	0 52	1 51	1 15	3 30	1 26	0n16	0 58	3 5	1 6	4 44	2 15	23 40	0 14	22 18	1 8	15 1	15 53	6 36	7 11	6 46	4 6	2 53
S 14	9 13	5 31	0s13	1 51	1 27	3 59	1 25	0 34	0 58	3 11	1 6	4 47	2 15	23 40	0 14	22 18	1 8	15 0	15 54	6 36	7 12	6 49	4 7	2 53
S 15	9 34	0s 6	1 16	1 49	1 37	4 29	1 24	0 53	0 57	3 17	1 6	4 49	2 15	23 40	0 14	22 18	1 8	15 0	15 54	6 37	7 14	6 53	4 8	2 53
M 16	9 56	5 43	2 16	1 45	1 47	4 58	1 23	1 12	0 57	3 22	1 6	4 52	2 15	23 40	0 14	22 18	1 8	14 59	15 54	6 38	7 15	6 56	4 10	2 53
T 17	10 17	11 7	3 10	1 38	1 57	5 27	1 22	1 31	0 57	3 28	1 6	4 55	2 15	23 40	0 14	22 18	1 8	14 59	15 54	6 40	7 16	6 59	4 11	2 53
W 18	10 38	16 10	3 56	1 30	2 5	5 56	1 22	1 49	0 56	3 33	1 6	4 58	2 15	23 40	0 14	22 18	1 8	14 59	15 54	6 43	7 17	7 3	4 12	2 53
T 19	10 59	20 38	4 32	1 19	2 13	6 25	1 21	2 8	0 56	3 39	1 6	5 1	2 15	23 40	0 14	22 18	1 8	14 58	15 54	6 46	7 18	7 6	4 14	2 53
F 20	11 20	24 17	4 56	1 6	2 20	6 54	1 20	2 26	0 56	3 44	1 6	5 3	2 15	23 40	0 14	22 18	1 8	14 58	15 55	6 49	7 20	7 9	4 15	2 53
S 21	11 40	26 54	5 7	0 51	2 27	7 22	1 18	2 45	0 55	3 50	1 6	5 6	2 15	23 40	0 14	22 18	1 8	14 58	15 55	6 52	7 21	7 13	4 16	2 53
S 22	12 1	28 15	5 3	0 35	2 32	7 51	1 17	3 3	0 55	3 55	1 6	5 9	2 15	23 40	0 14	22 18	1 8	14 57	15 55	6 55	7 22	7 16	4 18	2 53
M 23	12 21	28 9	4 45	0 16	2 37	8 19	1 16	3 22	0 54	4 1	1 6	5 12	2 15	23 40	0 14	22 18	1 8	14 57	15 55	6 57	7 23	7 19	4 19	2 53
T 24	12 41	26 33	4 13	0n 4	2 42	8 47	1 15	3 40	0 54	4 6	1 6	5 15	2 15	23 40	0 14	22 18	1 8	14 57	15 55	6 59	7 24	7 23	4 20	2 53
W 25	13 1	23 29	3 26	0 26	2 46	9 15	1 14	3 59	0 54	4 11	1 6	5 17	2 15	23 40	0 14	22 18	1 8	14 56	15 56	6 59	7 26	7 26	4 22	2 53
T 26	13 20	19 4	2 27	0 49	2 49	9 43	1 12	4 17	0 53	4 17	1 6	5 20	2 15	23 40	0 14	22 18	1 8	14 56	15 56	6 59	7 27	7 29	4 23	2 53
F 27	13 40	13 33	1 18	1 14	2 51	10 11	1 11	4 35	0 53	4 22	1 7	5 23	2 15	23 40	0 14	22 18	1 8	14 56	15 56	6 59	7 28	7 32	4 24	2 53
S 28	13 59	7 10	0 2	1 40	2 53	10 38	1 9	4 53	0 52	4 27	1 7	5 25	2 15	23 40	0 14	22 18	1 8	14 55	15 56	6 59	7 29	7 36	4 25	2 53
S 29	14 18	0 16	1n15	2 8	2 54	11 5	1 8	5 11	0 52	4 33	1 7	5 28	2 15	23 40	0 14	22 18	1 8	14 55	15 56	6 59	7 31	7 39	4 27	2 53
M 30	14n36	6n47	2n29	2n37	2s55	11n32	1s 6	5n30	0s52	4n38	1s 7	5n31	2s15	23s40	0s14	22s18	1n 8	14s55</						

SWISS EPHEMERIS for the year 1821

MAY 1821

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Day	Sid.t	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄
T 1	14 34 23	10♈15'48	26♋25	14♋45	4♌22	16♋43	14♋34	19♋32	2°R54	2°R53	29♋13	12°R 5	10♋44	13♌11	4♍38
W 2	14 38 19	11°13'59	11♈33	16° 6	5°36	17°29	14°48	19°39	2♌53	2♌52	29°14	11♋58	10°41	13°18	4°42
T 3	14 42 16	12°12'07	26°33	17°29	6°49	18°15	15° 2	19°46	2°52	2°52	29°16	11°49	10°38	13°25	4°45
F 4	14 46 12	13°10'14	11♈15	18°54	8° 3	19° 1	15°15	19°53	2°50	2°51	29°17	11°40	10°35	13°31	4°48
S 5	14 50 9	14° 8'20	25°34	20°22	9°17	19°46	15°29	20° 1	2°49	2°50	29°18	11°31	10°31	13°38	4°51
S 6	14 54 5	15° 6'23	9♉24	21°51	10°31	20°32	15°42	20° 8	2°48	2°49	29°19	11°24	10°28	13°45	4°54
M 7	14 58 2	16° 4'25	22°45	23°23	11°45	21°17	15°56	20°15	2°46	2°48	29°20	11°20	10°25	13°51	4°57
T 8	15 1 59	17° 2'24	5♌40	24°56	12°59	22° 3	16° 9	20°22	2°45	2°47	29°21	11°17	10°22	13°58	4°59
W 9	15 5 55	18° 0'22	18°10	26°32	14°13	22°48	16°23	20°29	2°43	2°46	29°22	11°D17	10°19	14° 5	5° 2
T 10	15 9 52	18°58'18	0♍22	28°10	15°27	23°33	16°36	20°36	2°42	2°45	29°23	11°17	10°16	14°11	5° 5
F 11	15 13 48	19°56'12	12°21	29°50	16°41	24°19	16°50	20°43	2°40	2°44	29°24	11°R17	10°12	14°18	5° 8
S 12	15 17 45	20°54'04	24°12	1♌31	17°55	25° 4	17° 3	20°50	2°39	2°43	29°25	11°16	10° 9	14°25	5°11
S 13	15 21 41	21°51'54	6♌ 0	3°15	19° 8	25°49	17°16	20°57	2°37	2°42	29°26	11°14	10° 6	14°31	5°13
M14	15 25 38	22°49'43	17°48	5° 1	20°22	26°34	17°29	21° 3	2°36	2°40	29°27	11° 8	10° 3	14°38	5°16
T 15	15 29 34	23°47'30	29°41	6°49	21°36	27°20	17°42	21°10	2°34	2°39	29°28	11° 0	10° 0	14°45	5°19
W16	15 33 31	24°45'16	11♌41	8°39	22°50	28° 5	17°55	21°17	2°32	2°38	29°29	10°50	9°56	14°51	5°21
T 17	15 37 28	25°43'00	23°49	10°31	24° 4	28°50	18° 8	21°24	2°30	2°37	29°30	10°38	9°53	14°58	5°24
F 18	15 41 24	26°40'43	6♋ 7	12°25	25°17	29°35	18°21	21°30	2°29	2°36	29°31	10°25	9°50	15° 5	5°27
S 19	15 45 21	27°38'25	18°36	14°21	26°31	0♌20	18°34	21°37	2°27	2°34	29°32	10°12	9°47	15°11	5°29
S 20	15 49 17	28°36'05	1♌16	16°19	27°45	1° 4	18°47	21°44	2°25	2°33	29°33	10° 1	9°44	15°18	5°32
M21	15 53 14	29°33'44	14° 7	18°19	28°59	1°49	18°59	21°50	2°23	2°32	29°34	9°52	9°41	15°25	5°34
T 22	15 57 10	0♍31'23	27° 9	20°21	0♍13	2°34	19°12	21°57	2°21	2°31	29°35	9°46	9°37	15°31	5°36
W23	16 1 7	1°29'00	10♌25	22°24	1°26	3°19	19°24	22° 3	2°19	2°29	29°36	9°43	9°34	15°38	5°39
T 24	16 5 3	2°26'36	23°56	24°29	2°40	4° 3	19°37	22° 9	2°17	2°28	29°36	9°42	9°31	15°45	5°41
F 25	16 9 0	3°24'11	7♋42	26°36	3°54	4°48	19°49	22°16	2°15	2°27	29°37	9°42	9°28	15°51	5°43
S 26	16 12 57	4°21'45	21°46	28°44	5° 8	5°33	20° 2	22°22	2°13	2°25	29°38	9°41	9°25	15°58	5°46
S 27	16 16 53	5°19'19	6♋ 6	0♍54	6°21	6°17	20°14	22°28	2°11	2°24	29°39	9°40	9°22	16° 5	5°48
M28	16 20 50	6°16'51	20°41	3° 4	7°35	7° 1	20°26	22°35	2° 9	2°23	29°39	9°36	9°18	16°12	5°50
T 29	16 24 46	7°14'23	5♌26	5°15	8°49	7°46	20°38	22°41	2° 7	2°21	29°40	9°29	9°15	16°18	5°52
W30	16 28 43	8°11'54	20°14	7°27	10° 3	8°30	20°50	22°47	2° 5	2°20	29°41	9°20	9°12	16°25	5°54
T 31	16 32 39	9♍ 9'24	4♍59	9♍39	11♍17	9♌15	21♋ 2	22°53	2♌ 3	2♌18	29°42	9♋ 9	9♋ 9	16♌32	5♍56

Day	☉	☽	♀	♂	♃	♄	♅	♆	♇	♁	♂	♁	♃	♄										
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
T 1	14n55	13n31	3n34	3n 8	2s55	11n58	1s 5	5n48	0s51	4n43	1s 7	5n33	2s16	23s40	0s14	22s18	1n 8	14s55	15s57	7s 2	7s33	7s46	4n29	2n53
W 2	15 13	19 29	4 23	3 39	2 54	12 25	1 3	6 5	0 51	4 49	1 7	5 36	2 16	23 40	0 14	22 18	1 8	14 54	15 57	7 5	7 34	7 49	4 30	2 53
T 3	15 31	24 10	4 54	4 12	2 53	12 50	1 1	6 23	0 50	4 54	1 7	5 39	2 16	23 40	0 14	22 18	1 8	14 54	15 57	7 8	7 35	7 52	4 32	2 53
F 4	15 49	27 10	5 4	4 46	2 51	13 16	1 0	6 41	0 50	4 59	1 7	5 41	2 16	23 40	0 14	22 18	1 8	14 54	15 58	7 12	7 37	7 55	4 33	2 53
S 5	16 6	28 19	4 55	5 21	2 49	13 41	0 58	6 59	0 49	5 4	1 7	5 44	2 16	23 40	0 14	22 18	1 8	14 54	15 58	7 15	7 38	7 59	4 34	2 53
S 6	16 23	27 36	4 29	5 57	2 46	14 6	0 56	7 16	0 49	5 9	1 7	5 47	2 16	23 41	0 14	22 18	1 8	14 53	15 58	7 18	7 39	8 2	4 35	2 53
M 7	16 40	25 18	3 49	6 34	2 43	14 31	0 54	7 34	0 48	5 14	1 7	5 49	2 16	23 41	0 14	22 18	1 8	14 53	15 58	7 19	7 40	8 5	4 37	2 53
T 8	16 57	21 45	2 58	7 12	2 39	14 55	0 52	7 51	0 48	5 20	1 7	5 52	2 16	23 41	0 14	22 18	1 8	14 53	15 59	7 20	7 41	8 9	4 38	2 53
W 9	17 13	17 18	2 0	7 51	2 34	15 19	0 50	8 9	0 47	5 25	1 7	5 54	2 16	23 41	0 14	22 18	1 8	14 53	15 59	7 21	7 43	8 12	4 39	2 53
T 10	17 29	12 15	0 58	8 31	2 29	15 43	0 48	8 26	0 47	5 30	1 8	5 57	2 16	23 41	0 15	22 18	1 8	14 53	15 59	7 20	7 44	8 15	4 40	2 53
F 11	17 45	6 51	0s 6	9 11	2 24	16 6	0 46	8 43	0 46	5 35	1 8	5 59	2 16	23 41	0 15	22 18	1 8	14 52	16 0	7 20	7 45	8 18	4 41	2 53
S 12	18 0	1 16	1 8	9 52	2 17	16 29	0 44	9 0	0 46	5 40	1 8	6 2	2 17	23 41	0 15	22 18	1 8	14 52	16 0	7 21	7 46	8 22	4 42	2 53
S 13	18 15	4s20	2 7	10 34	2 11	16 51	0 42	9 17	0 45	5 45	1 8	6 4	2 17	23 41	0 15	22 18	1 8	14 52	16 0	7 22	7 47	8 25	4 43	2 53
M14	18 30	9 47	3 1	11 16	2 4	17 13	0 40	9 34	0 45	5 49	1 8	6 7	2 17	23 41	0 15	22 18	1 8	14 52	16 0	7 24	7 49	8 28	4 45	2 53
T 15	18 44	14 55	3 47	11 58	1 56	17 34	0 38	9 50	0 44	5 54	1 8	6 9	2 17	23 41	0 15	22 18	1 8	14 52	16 1	7 27	7 50	8 32	4 46	2 53
W16	18 59	19 31	4 23	12 41	1 48	17 55	0 36	10 7	0 44	5 59	1 8	6 11	2 17	23 41	0 15	22 18	1 8	14 52	16 1	7 31	7 51	8 35	4 47	2 53
T 17	19 12	23 24	4 48	13 25	1 40	18 16	0 34	10 24	0 43	6 4	1 8	6 14	2 17	23 41	0 15	22 18	1 8	14 52	16 1	7 35	7 52	8 38	4 48	2 53
F 18	19 26	26 16	5 0	14 8	1 31	18 36	0 31	10 40	0 43	6 9	1 8	6 16	2 17	23 41	0 15	22 18	1 8	14 52	16 2	7 40	7 53	8 41	4 49	2 53
S 19	19 39	27 55	4 58	14 52	1 22	18 55	0 29	10 56	0 42	6 14	1 8	6 19	2 17	23 41	0 15	22 18	1 8	14 52	16 2	7 45	7 55	8 45	4 50	2 53
S 20	19 52	28 8	4 41	15 35	1 12	19 15	0 27	11 12	0 42	6 18	1 9	6 21	2 18	23 41	0 15	22 18	1 8	14 51	16 2	7 49	7 56	8 48	4 51	2 53
M21	20 5 26	51 4	9 16	18 18	1 2	19 33	0 25	11 28	0 41	6 23	1 9	6 23	2 18	23 41	0 15	22 18	1 8	14 51	16 3	7 52	7 57	8 51	4 52	2 53
T 22	20 17	24 6	3 25	17 1	0 52	19 51	0 22	11 44	0 41	6 28	1 9	6 25	2 18	23 41	0 15	22 18	1 8	14 51	16 3	7 55	7 58	8 54	4 53	2 54
W23	20 29	20 1	2 28	17 43	0 42	20 9	0 20	12 0	0 40	6 32	1 9	6 28	2 18	23 41	0 15	22 18	1 8	14 51	16 3	7 56	7 59	8 58	4 54	2 54
T 24	20 40	14 51	1 22	18 24	0 31	20 26	0 18	12 16	0 40	6 37	1 9	6 30	2 18	23 41	0 15	22 18	1 8	14 51	16 4	7 57	8 1	9 1	4 55	2 54
F 25	20 51	8 51	0 11	19 5	0 21	20 42	0 15	12 31	0 39	6 42	1 9	6 32	2 18	23 41	0 15	22 18	1 8	14 51	16 4	7 57	8 2	9 4	4 56	2 54
S 26	21 2	2 18	1n 3	19 44	0 10	20 58	0 13	12 47	0 38	6 46	1 9	6 34	2 18	23 42	0 15	22 18	1 8	14 51	16 4	7 57	8 3	9 7	4 57	2 54
S 27	21 13	4n29	2 15	20 22	0n 0	21 13	0 11	13 2	0 38	6 51	1 9	6 37	2 19	23 42	0 15	22 18	1 8	14 51	16 5	7 57	8 4	9 11	4 58	2 54
M28	21 23	11 9	3 18	20 58	0 11	21 28	0 8	13 17	0 37	6 55	1 10	6 39	2 19	23 42	0 15	22 18	1 8	14 51	16 5	7 59	8 5	9 14	4 59	2 54
T 29	21 33	17 16	4 10	21 33	0 21	21 42	0 6	13 32	0 37	7 0	1 10	6 41	2 19	23 42	0 15	22 18	1 9	14 51	16 5	8 1				

SWISS EPHEMERIS for the year 1821

JUNE 1821

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
F 1	16 36 36	10II 6'53	19II31	11II51	12II30	9♂59	21♂14	22♂59	2°R 0	2°R17	29♂42	8°R58	9♂ 6	16♂38	5♂58	
S 2	16 40 33	11° 4'22	3♂44	14° 3	13°44	10°43	21°26	23° 5	1♂58	2♂15	29°43	8♂47	9° 2	16°45	6° 0	
S 3	16 44 29	12° 1'49	17°32	16°14	14°58	11°27	21°38	23°11	1°56	2°14	29°43	8°38	8°59	16°52	6° 2	
M 4	16 48 26	12°59'15	0♂54	18°25	16°12	12°11	21°49	23°16	1°54	2°12	29°44	8°31	8°56	16°58	6° 4	
T 5	16 52 22	13°56'39	13°49	20°34	17°25	12°55	22° 1	23°22	1°51	2°11	29°45	8°27	8°53	17° 5	6° 6	
W 6	16 56 19	14°54'03	26°22	22°42	18°39	13°39	22°12	23°28	1°49	2° 9	29°45	8°26	8°50	17°12	6° 8	
T 7	17 0 15	15°51'25	8♂36	24°49	19°53	14°23	22°23	23°33	1°47	2° 8	29°46	8°25	8°47	17°18	6° 9	
F 8	17 4 12	16°48'47	20°36	26°54	21° 6	15° 7	22°35	23°39	1°45	2° 6	29°46	8°25	8°43	17°25	6°11	
S 9	17 8 8	17°46'07	2♂28	28°57	22°20	15°50	22°46	23°44	1°42	2° 5	29°47	8°25	8°40	17°32	6°13	
S 10	17 12 5	18°43'26	14°18	0♂58	23°34	16°34	22°57	23°50	1°40	2° 3	29°47	8°22	8°37	17°38	6°14	
M11	17 16 2	19°40'45	26° 8	2°58	24°48	17°18	23° 8	23°55	1°37	2° 2	29°48	8°17	8°34	17°45	6°16	
T 12	17 19 58	20°38'02	8♂ 6	4°55	26° 1	18° 1	23°19	24° 1	1°35	2° 0	29°48	8°10	8°31	17°52	6°17	
W13	17 23 55	21°35'19	20°12	6°50	27°15	18°45	23°29	24° 6	1°33	1°58	29°48	8° 0	8°28	17°58	6°19	
T 14	17 27 51	22°32'35	2♂31	8°42	28°29	19°28	23°40	24° 11	1°30	1°57	29°49	7°49	8°24	18° 5	6°20	
F 15	17 31 48	23°29'51	15° 3	10°32	29°42	20°12	23°51	24°16	1°28	1°55	29°49	7°36	8°21	18°12	6°21	
S 16	17 35 44	24°27'06	27°48	12°20	0♂56	20°55	24° 1	24°21	1°26	1°54	29°49	7°24	8°18	18°18	6°23	
S 17	17 39 41	25°24'20	10♂47	14° 6	2°10	21°38	24°11	24°26	1°23	1°52	29°50	7°14	8°15	18°25	6°24	
M18	17 43 37	26°21'34	23°58	15°49	3°23	22°22	24°22	24°31	1°21	1°50	29°50	7° 5	8°12	18°32	6°25	
T 19	17 47 34	27°18'48	7♂20	17°30	4°37	23° 5	24°32	24°36	1°18	1°49	29°50	7° 0	8° 8	18°38	6°26	
W20	17 51 31	28°16'01	20°52	19° 9	5°51	23°48	24°42	24°40	1°16	1°47	29°51	6°56	8° 5	18°45	6°27	
T 21	17 55 27	29°13'14	4♂35	20°45	7° 4	24°31	24°52	24°45	1°13	1°46	29°51	6°D55	8° 2	18°52	6°28	
F 22	17 59 24	0♂10'27	18°27	22°18	8°18	25°14	25° 1	24°49	1°11	1°44	29°51	6°56	7°59	18°58	6°29	
S 23	18 3 20	1° 7'40	2♂29	23°50	9°32	25°57	25°11	24°54	1° 9	1°42	29°51	6°R56	7°56	19° 5	6°30	
S 24	18 7 17	2° 4'53	16°39	25°18	10°45	26°40	25°21	24°58	1° 6	1°41	29°51	6°55	7°53	19°12	6°31	
M25	18 11 13	3° 2'06	0♂58	26°45	11°59	27°22	25°30	25° 3	1° 4	1°39	29°51	6°52	7°49	19°18	6°32	
T 26	18 15 10	3°59'19	15°21	28° 9	13°13	28° 5	25°39	25° 7	1° 1	1°37	29°52	6°47	7°46	19°25	6°33	
W27	18 19 6	4°56'32	29°45	29°30	14°26	28°48	25°49	25°11	0°59	1°36	29°52	6°40	7°43	19°32	6°33	
T 28	18 23 3	5°53'45	14II 5	0♂49	15°40	29°30	25°58	25°15	0°56	1°34	29°52	6°31	7°40	19°39	6°34	
F 29	18 27 0	6°50'59	28°14	2° 5	16°54	0II13	26° 7	25°19	0°54	1°33	29°52	6°21	7°37	19°45	6°35	
S 30	18 30 56	7♂48'12	12♂ 9	3♂19	18♂ 7	0III55	26♂15	25♂23	0♂52	1♂31	29°R52	6♂12	7♂34	19♂52	6♂35	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	21n59	27n57	4n55	23n 5	0n51	22n20	0n 1	14n16	0s35	7n13	1s10	6n47	2s19	23s42	0s15	22s18
S 2	22 8 27	27 57	4 33	23 31	1 0	22 32	0 4	14 31	0 34	7 17	1 10	6 49	2 20	23 42	0 15	22 18
S 3	22 15 26	11 3	5 23	23 54	1 9	22 43	0 6	14 45	0 34	7 21	1 10	6 51	2 20	23 42	0 15	22 18
M 4	22 23 22	59 3	5 24	14 1	1 17	22 53	0 8	14 59	0 33	7 25	1 10	6 53	2 20	23 42	0 15	22 18
T 5	22 30 18	43 2	6 24	32 1	2 25	23 3	0 11	15 13	0 33	7 29	1 11	6 55	2 20	23 42	0 15	22 18
W 6	22 37 13	44 1	3 24	47 1	3 31	23 12	0 13	15 27	0 32	7 34	1 11	6 57	2 20	23 42	0 15	22 18
T 7	22 43 8	20 0s	1 24	59 1	3 38	23 20	0 15	15 40	0 31	7 38	1 11	6 59	2 21	23 42	0 15	22 18
F 8	22 49 2	45 1	4 25	9 1	4 43	23 28	0 18	15 54	0 31	7 42	1 11	7 1	2 21	23 42	0 15	22 18
S 9	22 54 2s53	2 4	25 16	1 48	23 35	0 20	16 7	0 30	7 46	1 11	7 3	2 21	23 42	0 15	22 18	
S 10	22 59 8	22 2	58 25	20 1	52 23	41 0	22 16	20 0	29 7	50 1	11 7	7 4	2 21	23 42	0 15	22 18
M11	23 4 13	35 3	44 25	21 1	55 23	46 0	25 16	33 0	29 7	53 1	12 7	6 2	21 23	42 0	15	22 18
T 12	23 8 18	20 4	21 25	20 1	58 23	51 0	27 16	46 0	28 7	57 1	12 7	8 2	21 23	42 0	15	22 18
W13	23 12 22	25 4	47 25	17 2	0 23	56 0	29 16	59 0	27 8	1 12	7 10	2 22	23 42	0 15	22 18	
T 14	23 15 25	35 5	0 25	11 2	1 23	59 0	32 17	11 0	27 8	5 12	7 11	2 22	23 42	0 15	22 18	
F 15	23 18 27	34 4	59 25	3 2	1 24	2 0	34 17	24 0	26 8	9 12	7 13	2 22	23 42	0 15	22 19	
S 16	23 21 28	9 4	42 24	53 2	0 24	4 0	36 17	36 0	26 8	12 12	7 15	2 22	23 42	0 15	22 19	
S 17	23 23 27	12 4	12 24	42 1	59 24	5 0	38 17	48 0	25 8	16 13	7 16	2 22	23 43	0 15	22 19	
M18	23 25 24	44 3	27 24	28 1	57 24	6 0	40 17	59 0	24 8	20 13	7 18	2 23	23 43	0 15	22 19	
T 19	23 26 20	53 2	30 24	13 1	55 24	6 0	43 18	11 0	24 8	23 13	7 19	2 23	23 43	0 15	22 19	
W20	23 27 15	53 1	24 23	56 1	52 24	5 0	45 18	22 0	23 8	27 13	7 21	2 23	23 43	0 15	22 19	
T 21	23 28 10	2 0	12 23	38 1	48 24	3 0	47 18	34 0	22 8	30 13	7 22	2 23	23 43	0 15	22 19	
F 22	23 28 3	38 1n	1 23	19 1	43 24	1 0	49 18	45 0	21 8	33 13	7 24	2 24	23 43	0 15	22 19	
S 23	23 28 3n	0 2	12 22	58 1	38 23	58 0	51 18	56 0	21 8	37 14	7 25	2 24	23 43	0 15	22 19	
S 24	23 27 9	33 3	15 22	37 1	32 23	54 0	53 19	6 0	20 8	40 14	7 27	2 24	23 43	0 15	22 19	
M25	23 26 15	40 4	7 22	14 1	26 23	50 0	55 19	17 0	19 8	43 14	7 28	2 24	23 43	0 15	22 19	
T 26	23 24 20	58 4	43 21	51 1	19 23	45 0	57 19	27 0	19 8	47 14	7 29	2 24	23 43	0 15	22 19	
W27	23 22 25	2 5	2 21	26 1	11 23	39 0	59 19	37 0	18 8	50 14	7 31	2 25	23 43	0 15	22 19	
T 28	23 20 27	30 5	1 21	2 1	3 23	33 1	0 19	47 0	17 8	53 15	7 32	2 25	23 43	0 15	22 19	
F 29	23 17 28	9 4	42 20	36 0	55 23	25 1	2 19	57 0	17 8	56 15	7 33	2 25	23 43	0 15	22 19	
S 30	23n14	27n 0	4n 7	20n11	0n46	23n18	1n 4	20n 6	0s16	8n59	1s15	7n34	2s25	23s43	0s15	22s19

Julian Day Number = 2386317.5, Delta T = 11.25 sec
 Ecliptic obliquity = 23°27'53, Nutation = 0°00'05
 Ayanamsha: Fagan/Bradley = 22°14'48, Lahiri = 21°21'48

SWISS EPHEMERIS for the year 1821

JULY 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	18 34 53	8 ^h 54 ^m 25 ^s	25 ^h 54 ^m 43 ^s	4 ^h 02 ^m 29 ^s	19 ^h 58 ^m 21 ^s	1 ^h 11 ^m 38 ^s	26 ^h 07 ^m 24 ^s	25 ^h 07 ^m 27 ^s	0°R49	1°R29	29°R52	6°R 5	7 ^h 30 ^m	19 ^h 59 ^m	6 ^h 07 ^m 36 ^s
M 2	18 38 49	9°42'38"	8 ^h 05 ^m 46 ^s	5°37'	20°35'	2°20'	26°33'	25°31'	0°47'	1°28'	29°52'	6°H 0	7°27'	20° 5'	6°36'
T 3	18 42 46	10°39'51"	21°46'	6°42'	21°48'	3° 2'	26°41'	25°34'	0°44'	1°26'	29°52'	5°57'	7°24'	20°12'	6°37'
W 4	18 46 42	11°37'03"	4 ^h 18 ^m 18 ^s	7°45'	23° 2'	3°45'	26°49'	25°38'	0°42'	1°25'	29°52'	5°D55'	7°21'	20°19'	6°37'
T 5	18 50 39	12°34'15"	16°32'	8°44'	24°16'	4°27'	26°57'	25°41'	0°40'	1°23'	29°52'	5°56'	7°18'	20°25'	6°37'
F 6	18 54 35	13°31'28"	28°34'	9°40'	25°29'	5° 9'	27° 5'	25°45'	0°37'	1°21'	29°51'	5°57'	7°14'	20°32'	6°37'
S 7	18 58 32	14°28'40"	10 ^h 52 ^m 27 ^s	10°32'	26°43'	5°51'	27°13'	25°48'	0°35'	1°20'	29°51'	5°R58'	7°11'	20°39'	6°38'
S 8	19 2 29	15°25'51"	22°18'	11°22'	27°57'	6°33'	27°21'	25°51'	0°32'	1°18'	29°51'	5°58'	7° 8'	20°45'	6°38'
M 9	19 6 25	16°23'03"	4 ^h 11 ^m 11 ^s	12° 8'	29°10'	7°15'	27°28'	25°54'	0°30'	1°17'	29°51'	5°56'	7° 5'	20°52'	6°38'
T 10	19 10 22	17°20'15"	16°11'	12°50'	0 ^h 02 ^m 24 ^s	7°57'	27°36'	25°57'	0°28'	1°15'	29°51'	5°52'	7° 2'	20°59'	6°R38'
W 11	19 14 18	18°17'27"	28°22'	13°28'	1°38'	8°38'	27°43'	26° 0'	0°26'	1°14'	29°50'	5°47'	6°59'	21° 5'	6°38'
T 12	19 18 15	19°14'39"	10 ^h 57 ^m 48 ^s	14° 3'	2°51'	9°20'	27°50'	26° 3'	0°23'	1°12'	29°50'	5°40'	6°55'	21°12'	6°38'
F 13	19 22 11	20°11'51"	23°31'	14°33'	4° 5'	10° 2'	27°57'	26° 6'	0°21'	1°11'	29°50'	5°32'	6°52'	21°19'	6°38'
S 14	19 26 8	21° 9'04"	6 ^h 33 ^m 31 ^s	14°59'	5°19'	10°43'	28° 4'	26° 9'	0°19'	1° 9'	29°50'	5°24'	6°49'	21°25'	6°37'
S 15	19 30 5	22° 6'17"	19°48'	15°21'	6°32'	11°25'	28°11'	26°11'	0°17'	1° 8'	29°49'	5°18'	6°46'	21°32'	6°37'
M 16	19 34 1	23° 3'30"	3 ^h 55 ^m 21 ^s	15°38'	7°46'	12° 6'	28°17'	26°14'	0°14'	1° 6'	29°49'	5°12'	6°43'	21°39'	6°37'
T 17	19 37 58	24° 0'43"	1 ^h 8 ^m	15°51'	8°59'	12°47'	28°24'	26°16'	0°12'	1° 5'	29°49'	5° 9'	6°40'	21°46'	6°37'
W 18	19 41 54	24°57'58"	1 ^h 7 ^m 4 ^s	15°59'	10°13'	13°29'	28°30'	26°18'	0°10'	1° 3'	29°48'	5°D 8'	6°36'	21°52'	6°36'
T 19	19 45 51	25°55'12"	15° 8'	16°R 2'	11°27'	14°10'	28°36'	26°20'	0° 8'	1° 2'	29°48'	5° 8'	6°33'	21°59'	6°36'
F 20	19 49 47	26°52'28"	29°17'	16° 0'	12°40'	14°51'	28°42'	26°23'	0° 6'	1° 0'	29°47'	5° 9'	6°30'	22° 6'	6°35'
S 21	19 53 44	27°49'44"	13 ^h 07 ^m 28 ^s	15°53'	13°54'	15°32'	28°47'	26°25'	0° 4'	0°59'	29°47'	5°11'	6°27'	22°12'	6°35'
S 22	19 57 40	28°47'02"	27°40'	15°42'	15° 7'	16°13'	28°53'	26°26'	0° 2'	0°58'	29°47'	5°R11'	6°24'	22°19'	6°34'
M 23	20 1 37	29°44'20"	11 ^h 51 ^m 51 ^s	15°25'	16°21'	16°54'	28°58'	26°28'	29°57 ^m 59 ^s	0°56'	29°46'	5°11'	6°20'	22°26'	6°33'
T 24	20 5 34	0 ^h 41 ^m 39 ^s	25°59'	15° 3'	17°34'	17°35'	29° 4'	26°30'	29°58'	0°55'	29°46'	5° 9'	6°17'	22°32'	6°33'
W 25	20 9 30	1°39'00"	10 ^h 11 ^m 0 ^s	14°37'	18°48'	18°16'	29° 9'	26°31'	29°56'	0°53'	29°45'	5° 5'	6°14'	22°39'	6°32'
T 26	20 13 27	2°36'21"	23°54'	14° 7'	20° 2'	18°56'	29°14'	26°33'	29°54'	0°52'	29°45'	5° 1'	6°11'	22°46'	6°31'
F 27	20 17 23	3°33'43"	7 ^h 53 ^m 36 ^s	13°33'	21°15'	19°37'	29°18'	26°34'	29°52'	0°51'	29°44'	4°56'	6° 8'	22°52'	6°30'
S 28	20 21 20	4°31'07"	21° 5'	12°55'	22°29'	20°18'	29°23'	26°36'	29°50'	0°50'	29°43'	4°51'	6° 5'	22°59'	6°29'
S 29	20 25 16	5°28'31"	4 ^h 01 ^m 19 ^s	12°14'	23°42'	20°58'	29°27'	26°37'	29°48'	0°48'	29°43'	4°47'	6° 1'	23° 6'	6°28'
M 30	20 29 13	6°25'55"	17°15'	11°31'	24°56'	21°39'	29°31'	26°38'	29°46'	0°47'	29°42'	4°45'	5°58'	23°12'	6°27'
T 31	20 33 9	7 ^h 02 ^m 32 ^s	29 ^h 02 ^m 55 ^s	10 ^h 04 ^m 46 ^s	26 ^h 08 ^m 9 ^s	22 ^h 11 ^m 19 ^s	29°07 ^m 35 ^s	26°07 ^m 39 ^s	29°57 ^m 45 ^s	0°46'	29°42'	4°D44'	5°H55'	23 ^h 19 ^m	6°07 ^m 26 ^s

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	23n11	24n16	3n18	19n45	0n36	23n 9	1n 6	20n16	0s15	9n 2	1s15	7n35	2s26	23s43	0s15	22s19	1n 8	14s58	16s17	9s17	8s46	11s 2	5n20	2n57
M 2	23 7 20 17	2 19 19 18	0 26 23 0	1 7 20 25	0 14 9 5	1 15 7 37	2 26 23 43	0 15 22 19	1 8 14 58	16 18 9 19	8 47 11 5	5 20 2 57												
T 3	23 2 15 27	1 15 18 52	0 15 22 50	1 9 20 34	0 14 9 8	1 16 7 38	2 26 23 43	0 15 22 19	1 8 14 58	16 18 9 21	8 48 11 9	5 20 2 57												
W 4	22 57 10 5	0 9 18 25	0 4 22 39	1 10 20 43	0 13 9 10	1 16 7 39	2 26 23 43	0 15 22 19	1 8 14 59	16 18 9 21	8 49 11 12	5 20 2 57												
T 5	22 52 4 27	0s57	17 59	0s 7	22 28	1 12 20 51	0 13 9 13	1 16 7 40	2 27 23 43	0 15 22 19	1 8 14 59	16 19 9 21	8 50 11 15	5 21 2 57										
F 6	22 47 1s15	1 59 17 33	0 19 22 16	1 13 20 59	0 12 9 16	1 16 7 41	2 27 23 43	0 15 22 19	1 8 15 0	16 19 9 20	8 52 11 18	5 21 2 57												
S 7	22 41 6 49	2 55 17 7	0 31 22 3	1 15 21 8	0 11 9 18	1 16 7 42	2 27 23 43	0 15 22 19	1 8 15 0	16 20 9 20	8 53 11 21	5 21 2 57												
S 8	22 34 12 8	3 43 16 41	0 44 21 50	1 16 21 16	0 10 9 21	1 17 7 43	2 27 23 43	0 15 22 19	1 8 15 0	16 20 9 20	8 54 11 24	5 21 2 58												
M 9	22 28 17 2	4 22 16 16	0 57 21 36	1 17 21 23	0 9 9 23	1 17 7 44	2 28 23 43	0 15 22 19	1 8 15 1	16 20 9 21	8 55 11 27	5 21 2 58												
T 10	22 20 21 19	4 50 15 51	1 10 21 22	1 19 21 31	0 9 9 26	1 17 7 44	2 28 23 43	0 15 22 19	1 8 15 1	16 21 9 22	8 56 11 30	5 21 2 58												
W 11	22 13 24 46	5 5 15 27	1 24 21 7	1 20 21 38	0 8 9 28	1 17 7 45	2 28 23 43	0 15 22 19	1 8 15 2	16 21 9 24	8 58 11 34	5 21 2 58												
T 12	22 5 27 9	5 7 15 4	1 38 20 51	1 21 21 45	0 7 9 31	1 17 7 46	2 28 23 43	0 15 22 19	1 8 15 2	16 21 9 27	8 59 11 37	5 21 2 58												
F 13	21 57 28 11	4 53 14 42	1 52 20 35	1 22 21 52	0 6 9 33	1 18 7 47	2 29 23 43	0 15 22 19	1 8 15 2	16 22 9 30	9 0 11 40	5 21 2 58												
S 14	21 48 27 42	4 24 14 21	2 6 20 18	1 23 21 59	0 6 9 35	1 18 7 47	2 29 23 43	0 15 22 19	1 8 15 3	16 22 9 32	9 1 11 43	5 21 2 58												
S 15	21 39 25 38	3 40 14 2	2 20 20 1	1 24 22 5	0 5 9 37	1 18 7 48	2 29 23 43	0 15 22 19	1 8 15 3	16 22 9 35	9 2 11 46	5 21 2 58												
M 16	21 30 22 5	2 44 13 43	2 34 19 43	1 25 22 12	0 4 9 39	1 18 7 49	2 29 23 43	0 15 22 19	1 8 15 4	16 23 9 37	9 3 11 49	5 21 2 58												
T 17	21 20 17 15	1 36 13 26	2 48 19 24	1 26 22 18	0 3 9 42	1 19 7 49	2 30 23 43	0 15 22 20	1 8 15 4	16 23 9 38	9 5 11 52	5 21 2 58												
W 18	21 10 11 27	0 22 13 10	3 2 19 5	1 27 22 24	0 3 9 44	1 19 7 50	2 30 23 43	0 15 22 20	1 8 15 5	16 23 9 38	9 6 11 55	5 21 2 58												
T 19	20 59 5 2	0n54	12 56	3 15 18 46	1 27 22 30	0 2 9 45	1 19 7 50	2 30 23 43	0 15 22 20	1 8 15 5	16 24 9 38	9 7 11 58	5 21 2 59											
F 20	20 48 1n40	2 8 12 44	3 29 18 26	1 28 22 35	0 1 9 47	1 19 7 51	2 31 23 43	0 15 22 20	1 8 15 6	16 24 9 38	9 8 12 1	5 21 2 59												
S 21	20 37 8 18	3 13 12 34	3 42 18 5	1 28 22 40	0 0 9 49	1 19 7 51	2 31 23 43	0 15 22 20	1 8 15 6	16 24 9 37	9 9 12 5	5 21 2 59												
S 22	20 26 14 30	4 7 12 25	3 54 17 44	1 29 22 45	0n 0	9 51	1 20 7 52	2 31 23 43	0 15 22 20	1 8 15 7	16 25 9 37	9 10 12 8	5 21 2 59											
M 23	20 14 19 56	4 46 12 19	4 5 17 22	1 29 22 50	0 1 9 53	1 20 7 52	2 31 23 43	0 15 22 20	1 8 15 7	16 25 9 37	9 12 12 11	5 21 2 59												
T 24	20 1 24 15	5 8 12 15	4 16 17 0	1 30 22 55	0 2 9 54	1 20 7 53	2 32 23 43	0 15 22 20	1 8 15 8	16 25 9 38	9 13 12 14	5 20 2 59												
W 25	19 49 27 5	5 10 12 13	4 26 16 38	1 30 22 59	0 3 9 56	1 20 7 53	2 32 23 43	0 15 22 20	1 8 15 8	16 26 9 39	9 14 12 17	5 20 2 59												
T 26	19 36 28 14	4 55 12 14	4 34 16 15	1 30 23 4	0 4 9 57	1 21 7 53	2 32 23 43	0 15 22 20	1 8 15 9	16 26 9 41	9 15 12 20	5 20 2 59												
F 27	19 23 27 37	4 23 12 16	4 42 15 52	1 31 23 8	0 4 9 59	1 21 7 53	2 32 23 43	0 15 22 20	1 8 15 9	16 26 9 43	9 16 12 23	5 20 2 59												
S 28	19 9 25 22	3 36 12 21	4 48 15 28	1 31 23 12	0 5 10 0	1 21 7 54	2 33 23 43	0 15 22 20	1 8 15 10	16 27 9 45	9 18 12 26	5 19 2 59												
S 29	18 55 21 46	2 39 12 28	4 52 15 4	1 31 23 15	0 6 10 1	1 21 7 54	2 33 23 43	0 15 22 20	1 8 15 10	16 27 9 46	9 19 12 29	5 19 2 59												
M 30	18 41 17 11	1 34 12 37	4 55 14 39	1 31 23 19	0 7 10 3	1 22 7 54	2 33 23 43	0 15 22 20	1 8 15 11	16 27 9 47	9 20 12 32	5 19 2 59												
T 31	18n27	11n56	0n26	12n48	4s56	14n14	1n31	23n22	0n 8	10n 4	1s22	7n54	2s33	23s43	0s15	22s20	1n 8	15s11	16s28	9s47	9s21	12s35	5n18	3n 0

Julian Day Number = 2386347.5, Delta T = 11.22 sec
 Ecliptic obliquity = 23°27'53", Nutation = 0°00'07"
 Ayanamsha: Fagan/Bradley = 22°14'53", Lahiri = 21°21'52"

SWISS EPHEMERIS for the year 1821

AUGUST 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
W 1	20 37 6	8♄20'47	12♏19	10°R 1	27♄23	22♄59	29♃39	26♃40	29°R43	0°R45	29°R41	4♃44	5♃52	23♄26	6°R25
T 2	20 41 3	9°18'15	24°29	9♄15	28°37	23°39	29°43	26°40	29°41	0♃43	29°40	4°45	5°49	23°32	6°R24
F 3	20 44 59	10°15'42	6♄29	8°30	29°50	24°20	29°46	26°41	29°40	0°42	29°40	4°47	5°46	23°39	6°23
S 4	20 48 56	11°13'11	18°22	7°46	1♏4	25° 0	29°49	26°42	29°38	0°41	29°39	4°48	5°42	23°46	6°22
S 5	20 52 52	12°10'41	0♄13	7° 5	2°17	25°40	29°52	26°42	29°36	0°40	29°38	4°49	5°39	23°53	6°20
M 6	20 56 49	13° 8'11	12° 6	6°27	3°31	26°20	29°55	26°42	29°35	0°39	29°37	4°R50	5°36	23°59	6°19
T 7	21 0 45	14° 5'42	24° 7	5°53	4°44	26°59	29°58	26°43	29°33	0°38	29°37	4°50	5°33	24° 6	6°18
W 8	21 4 42	15° 3'14	6♃19	5°24	5°58	27°39	0♃ 0	26°43	29°32	0°37	29°36	4°48	5°30	24°13	6°16
T 9	21 8 38	16° 0'47	18°47	5° 0	7°11	28°19	0° 3	26°R43	29°30	0°36	29°35	4°46	5°26	24°19	6°15
F 10	21 12 35	16°58'21	1♃34	4°42	8°25	28°58	0° 5	26°43	29°29	0°35	29°34	4°44	5°23	24°26	6°13
S 11	21 16 32	17°55'56	14°43	4°31	9°38	29°38	0° 7	26°43	29°28	0°34	29°33	4°41	5°20	24°33	6°12
S 12	21 20 28	18°53'32	28°13	4°D26	10°51	0♄17	0° 8	26°42	29°26	0°33	29°33	4°39	5°17	24°39	6°10
M13	21 24 25	19°51'09	12♁ 4	4°28	12° 5	0°57	0°10	26°42	29°25	0°32	29°32	4°38	5°14	24°46	6° 8
T 14	21 28 21	20°48'47	26°13	4°38	13°18	1°36	0°11	26°41	29°24	0°31	29°31	4°37	5°11	24°53	6° 7
W15	21 32 18	21°46'27	10♃36	4°55	14°32	2°15	0°12	26°41	29°23	0°30	29°30	4°D37	5° 7	24°59	6° 5
T 16	21 36 14	22°44'08	25° 7	5°19	15°45	2°55	0°13	26°40	29°22	0°29	29°29	4°38	5° 4	25° 6	6° 3
F 17	21 40 11	23°41'50	9♃40	5°50	16°58	3°34	0°14	26°39	29°20	0°28	29°28	4°38	5° 1	25°13	6° 1
S 18	21 44 7	24°39'34	24°11	6°29	18°12	4°13	0°15	26°38	29°19	0°28	29°27	4°39	4°58	25°20	5°59
S 19	21 48 4	25°37'20	8♃35	7°15	19°25	4°52	0°15	26°37	29°18	0°27	29°26	4°40	4°55	25°26	5°57
M20	21 52 1	26°35'07	22°49	8° 9	20°38	5°30	0°R15	26°36	29°17	0°26	29°25	4°R40	4°52	25°33	5°55
T 21	21 55 57	27°32'57	6♄50	9° 9	21°52	6° 9	0°15	26°35	29°17	0°26	29°24	4°40	4°48	25°40	5°53
W22	21 59 54	28°30'48	20°38	10°15	23° 5	6°48	0°15	26°34	29°16	0°25	29°23	4°40	4°45	25°46	5°51
T 23	22 3 50	29°28'41	4♄11	11°28	24°18	7°26	0°14	26°32	29°15	0°24	29°22	4°39	4°42	25°53	5°49
F 24	22 7 47	0♏26'36	17°29	12°47	25°32	8° 5	0°14	26°31	29°14	0°24	29°21	4°39	4°39	26° 0	5°47
S 25	22 11 43	1°24'32	0♄34	14°11	26°45	8°43	0°13	26°29	29°13	0°23	29°20	4°38	4°36	26° 6	5°45
S 26	22 15 40	2°22'30	13°24	15°41	27°58	9°22	0°12	26°27	29°13	0°22	29°19	4°38	4°32	26°13	5°43
M27	22 19 36	3°20'30	26° 1	17°15	29°11	10° 0	0°11	26°26	29°12	0°22	29°18	4°38	4°29	26°20	5°41
T 28	22 23 33	4°18'31	8♏26	18°53	0♄25	10°38	0° 9	26°24	29°11	0°21	29°17	4°38	4°26	26°26	5°38
W29	22 27 30	5°16'34	20°39	20°35	1°38	11°16	0° 7	26°22	29°11	0°21	29°16	4°38	4°23	26°33	5°36
T 30	22 31 26	6°14'38	2♄43	22°20	2°51	11°54	0° 6	26°20	29°10	0°20	29°15	4°38	4°20	26°40	5°34
F 31	22 35 23	7♏12'44	14♄39	24♄ 7	4♄ 4	12♄32	0♃ 4	26°R17	29°10	0♃20	29°14	4♃37	4♃17	26♄47	5°R31

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
W 1	18n12	6n18	0s42	13n 1	4s55	13n48	1n30	23n25	0n 8	10n 5	1s22	7n54	2s34	23s43	0s15	22s20	1n 8	15s12	16s28	9s47	9s22	12s38	5n18	3n 0
T 2	17 57	0 34	1 47	13 15	4 52	13 23	1 30	23 28	0 9	10 6	1 22	7 54	2 34	23 43	0 15	22 20	1 8	15 12	16 28	9 47	9 23	12 41	5 18	3 0
F 3	17 41	5s 7	2 46	13 31	4 48	12 57	1 30	23 30	0 10	10 7	1 23	7 54	2 34	23 43	0 15	22 20	1 8	15 13	16 29	9 46	9 25	12 44	5 17	3 0
S 4	17 26	10 33	3 37	13 48	4 42	12 30	1 29	23 33	0 11	10 8	1 23	7 54	2 35	23 43	0 15	22 20	1 8	15 13	16 29	9 46	9 26	12 47	5 17	3 0
S 5	17 10	15 36	4 20	14 6	4 34	12 3	1 29	23 35	0 12	10 9	1 23	7 54	2 35	23 43	0 15	22 20	1 8	15 14	16 29	9 45	9 27	12 51	5 16	3 0
M 6	16 54	20 6	4 51	14 25	4 24	11 36	1 28	23 37	0 12	10 9	1 23	7 54	2 35	23 43	0 15	22 20	1 8	15 15	16 29	9 45	9 28	12 54	5 16	3 0
T 7	16 37	23 49	5 10	14 44	4 13	11 9	1 28	23 39	0 13	10 10	1 24	7 54	2 35	23 43	0 15	22 20	1 7	15 15	16 30	9 45	9 29	12 57	5 15	3 0
W 8	16 20	26 33	5 15	15 3	4 1	10 41	1 27	23 41	0 14	10 11	1 24	7 53	2 36	23 43	0 15	22 20	1 7	15 16	16 30	9 46	9 30	13 0	5 15	3 0
T 9	16 3 28	4 5	6 15	21 3	3 47	10 13	1 26	23 42	0 15	10 11	1 24	7 53	2 36	23 43	0 15	22 20	1 7	15 16	16 30	9 46	9 32	13 3	5 14	3 0
F 10	15 46	28 9	4 41	15 40	3 33	9 45	1 26	23 43	0 16	10 12	1 24	7 53	2 36	23 43	0 15	22 20	1 7	15 17	16 31	9 47	9 33	13 6	5 14	3 0
S 11	15 28	26 39	4 2	15 58	3 17	9 16	1 25	23 44	0 16	10 12	1 24	7 53	2 36	23 43	0 15	22 20	1 7	15 17	16 31	9 48	9 34	13 9	5 13	3 0
S 12	15 11	23 36	3 8	16 15	3 1	8 48	1 24	23 45	0 17	10 13	1 25	7 52	2 37	23 43	0 15	22 21	1 7	15 18	16 31	9 49	9 35	13 12	5 13	3 0
M13	14 53	19 8	2 1	16 31	2 44	8 19	1 23	23 46	0 18	10 13	1 25	7 52	2 37	23 43	0 15	22 21	1 7	15 19	16 31	9 49	9 36	13 15	5 12	3 0
T 14	14 34	13 31	0 46	16 45	2 27	7 50	1 22	23 46	0 19	10 13	1 25	7 51	2 37	23 43	0 15	22 21	1 7	15 19	16 32	9 50	9 37	13 18	5 11	3 0
W15	14 16	7 6	0n33	16 58	2 9	7 20	1 21	23 47	0 20	10 13	1 25	7 51	2 38	23 43	0 15	22 21	1 7	15 20	16 32	9 50	9 39	13 21	5 11	3 1
T 16	13 57	0 15	1 51	17 9	1 52	6 51	1 19	23 47	0 21	10 13	1 26	7 50	2 38	23 43	0 15	22 21	1 7	15 20	16 32	9 49	9 40	13 24	5 10	3 1
F 17	13 38	6n37	3 2	17 18	1 35	6 21	1 18	23 47	0 21	10 13	1 26	7 50	2 38	23 43	0 15	22 21	1 7	15 21	16 32	9 49	9 41	13 27	5 9	3 1
S 18	13 19	13 7	4 1	17 25	1 18	5 51	1 17	23 46	0 22	10 13	1 26	7 49	2 38	23 43	0 15	22 21	1 7	15 21	16 33	9 49	9 42	13 30	5 9	3 1
S 19	13 0	18 52	4 45	17 30	1 1	5 21	1 15	23 46	0 23	10 13	1 26	7 49	2 39	23 43	0 15	22 21	1 7	15 22	16 33	9 49	9 43	13 33	5 8	3 1
M20	12 40	23 29	5 10	17 32	0 44	4 51	1 14	23 45	0 24	10 13	1 27	7 48	2 39	23 43	0 15	22 21	1 7	15 23	16 33	9 49	9 44	13 36	5 7	3 1
T 21	12 20	26 40	5 17	17 32	0 29	4 20	1 12	23 44	0 25	10 13	1 27	7 47	2 39	23 43	0 15	22 21	1 7	15 23	16 33	9 49	9 46	13 39	5 6	3 1
W22	12 0	28 12	5 5	17 29	0 13	3 50	1 11	23 43	0 26	10 13	1 27	7 47	2 39	23 43	0 15	22 21	1 7	15 24	16 33	9 49	9 47	13 42	5 6	3 1
T 23	11 40	28 0	4 36	17 23	0n 1	3 19	1 9	23 42	0 27	10 12	1 27	7 46	2 40	23 43	0 15	22 21	1 7	15 24	16 34	9 49	9 48	13 45	5 5	3 1
F 24	11 20	26 10	3 53	17 14	0 15	2 49	1 7	23 41	0 28	10 12	1 28	7 45	2 40	23 43	0 15	22 21	1 7	15 25	16 34	9 49	9 49	13 48	5 4	3 1
S 25	10 59	22 57	2 58	17 2	0 28	2 18	1 5	23 39	0 29	10 11	1 28	7 44	2 40	23 43	0 15	22 21	1 7	15 25	16 34	9 49	9 50	13 51	5 3	3 1
S 26	10 38	18 39	1 55	16 47	0 40	1 47	1 4	23 37	0 29	10 11	1 28	7 44	2 40	23 43	0 15	22 21	1 7	15 26	16 34	9 49	9 51	13 54	5 2	3 1
M27	10 17	13 36	0 48	16 29	0 51	1 16	1 2	23 35	0 30	10 10	1 28	7 43	2 41	23 43	0 15	22 21	1 7	15 27	16 34	9 49	9 52	13 57	5 2	3 1
T 28	9 56	8 6	0s21	16 8	1 1	0 45	1 0	23 33	0 31	10 9	1 29	7 42	2 41	23 43	0 15	22 21	1 7	15 27	16 35	9 49	9 54	14 0	5 1	3 1
W29	9 35	2 22	1 28	15 45	1 10	0 14	0 58	23 31	0 32	10 8	1 29	7 41	2 41	23 43	0 1									

SWISS EPHEMERIS for the year 1821

SEPTEMBER 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
S 1	22 39 19	8♍10'51	26♌31	25♏57	5♎17	13♏10	0°R 1	26°R15	29°R10	0°R20	29°R13	4°R37	4♋13	26♌53	5°R29
S 2	22 43 16	9° 9'00	8♍21	27°49	6°30	13°48	29°V59	26°V13	29°V 9	0°Z19	29°H12	4♋37	4°10	27° 0	5°V27
M 3	22 47 12	10° 7'11	20°13	29°42	7°44	14°26	29°56	26°10	29° 9	0°19	29°11	4°36	4° 7	27° 7	5°24
T 4	22 51 9	11° 5'23	2♌12	1♍37	8°57	15° 3	29°53	26° 8	29° 9	0°19	29° 9	4°36	4° 4	27°13	5°22
W 5	22 55 5	12° 3'36	14°22	3°32	10°10	15°41	29°50	26° 5	29° 9	0°19	29° 8	4°D36	4° 1	27°20	5°19
T 6	22 59 2	13° 1'52	26°47	5°27	11°23	16°18	29°47	26° 2	29° 8	0°18	29° 7	4°36	3°58	27°27	5°17
F 7	23 2 59	14° 0'08	9♌32	7°22	12°36	16°55	29°44	25°59	29° 8	0°18	29° 6	4°36	3°54	27°33	5°14
S 8	23 6 55	14°58'27	22°40	9°18	13°49	17°32	29°40	25°57	29°D 8	0°18	29° 5	4°37	3°51	27°40	5°12
S 9	23 10 52	15°56'46	6♌13	11°13	15° 2	18°10	29°36	25°54	29° 8	0°18	29° 4	4°38	3°48	27°47	5° 9
M10	23 14 48	16°55'08	20°12	13° 8	16°15	18°47	29°32	25°50	29° 8	0°18	29° 3	4°39	3°45	27°53	5° 7
T 11	23 18 45	17°53'31	4♋35	15° 2	17°28	19°24	29°28	25°47	29° 8	0°18	29° 1	4°R39	3°42	28° 0	5° 4
W12	23 22 41	18°51'55	19°16	16°55	18°41	20° 0	29°24	25°44	29° 9	0°D18	29° 0	4°39	3°38	28° 7	5° 1
T 13	23 26 38	19°50'22	4♍11	18°47	19°54	20°37	29°19	25°41	29° 9	0°18	28°59	4°38	3°35	28°14	4°59
F 14	23 30 34	20°48'51	19°11	20°39	21° 7	21°14	29°15	25°37	29° 9	0°18	28°58	4°36	3°32	28°20	4°56
S 15	23 34 31	21°47'21	4♌ 6	22°30	22°19	21°50	29°10	25°34	29° 9	0°18	28°57	4°34	3°29	28°27	4°53
S 16	23 38 28	22°45'54	18°50	24°20	23°32	22°27	29° 5	25°30	29°10	0°18	28°55	4°32	3°26	28°34	4°51
M17	23 42 24	23°44'29	3♍17	26° 9	24°45	23° 3	29° 0	25°27	29°10	0°18	28°54	4°30	3°23	28°40	4°48
T 18	23 46 21	24°43'07	17°23	27°57	25°58	23°39	28°54	25°23	29°11	0°18	28°53	4°29	3°19	28°47	4°45
W19	23 50 17	25°41'47	1♌ 7	29°44	27°11	24°15	28°49	25°19	29°11	0°18	28°52	4°D29	3°16	28°54	4°43
T 20	23 54 14	26°40'29	14°29	1♌30	28°24	24°51	28°43	25°15	29°12	0°19	28°51	4°30	3°13	29° 0	4°40
F 21	23 58 10	27°39'13	27°32	3°15	29°36	25°27	28°37	25°12	29°12	0°19	28°50	4°31	3°10	29° 7	4°37
S 22	0 2 7	28°37'59	10♌18	4°59	0♍49	26° 3	28°31	25° 8	29°13	0°19	28°48	4°33	3° 7	29°14	4°34
S 23	0 6 3	29°36'48	22°50	6°42	2° 2	26°39	28°25	25° 4	29°14	0°20	28°47	4°34	3° 4	29°21	4°32
M24	0 10 0	0♌35'38	5♍ 9	8°24	3°14	27°15	28°19	24°59	29°15	0°20	28°46	4°R35	3° 0	29°27	4°29
T 25	0 13 57	1°34'31	17°19	10° 5	4°27	27°50	28°12	24°55	29°15	0°20	28°45	4°34	2°57	29°34	4°26
W26	0 17 53	2°33'26	29°22	11°45	5°40	28°25	28° 6	24°51	29°16	0°21	28°44	4°32	2°54	29°41	4°23
T 27	0 21 50	3°32'23	11♌18	13°24	6°52	29° 1	27°59	24°47	29°17	0°21	28°42	4°28	2°51	29°47	4°21
F 28	0 25 46	4°31'22	23°11	15° 3	8° 5	29°36	27°52	24°43	29°18	0°22	28°41	4°23	2°48	29°54	4°18
S 29	0 29 43	5°30'23	5♍ 1	16°40	9°17	0♌11	27°46	24°38	29°19	0°22	28°40	4°18	2°44	0♍ 1	4°15
S 30	0 33 39	6♌29'26	16♍52	18♌17	10♍30	0♌46	27°V39	24°V34	29°V20	0°Z23	28°H39	4♋12	2♋41	0♍ 7	4°V12

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
S 1	8n31	14s 7	4s10	14n18	1n31	1s19	0n51	23n23	0n35	10n 6	1s29	7n38	2s42	23s43	0s15	22s21	1n 6	15s30	16s35	9s50	9s58	14s11	4n57	3n 1
S 2	8 9 18	47 4	4 44	13 44	1 36	1 50	0 49	23 20	0 35	10 5	1 30	7 37	2 42	23 43	0 15	22 21	1 6	15 30	16 35	9 50	9 59	14 14	4 56	3 1
M 3	7 47	22 45	5 7	13 9	1 40	2 21	0 47	23 17	0 36	10 3	1 30	7 36	2 42	23 43	0 15	22 21	1 6	15 31	16 35	9 50	10 1	14 17	4 55	3 1
T 4	7 25	25 47	5 17	12 31	1 43	2 52	0 44	23 14	0 37	10 2	1 30	7 35	2 42	23 43	0 15	22 22	1 6	15 31	16 36	9 50	10 2	14 20	4 54	3 1
W 5	7 3	27 43	5 12	11 52	1 45	3 23	0 42	23 10	0 38	10 1	1 30	7 33	2 43	23 43	0 15	22 22	1 6	15 32	16 36	9 50	10 3	14 23	4 53	3 1
T 6	6 40	28 19	4 54	11 11	1 47	3 54	0 39	23 7	0 39	10 0	1 31	7 32	2 43	23 43	0 15	22 22	1 6	15 32	16 36	9 50	10 4	14 26	4 52	3 1
F 7	6 18	27 27	4 20	10 29	1 48	4 25	0 37	23 3	0 40	9 58	1 31	7 31	2 43	23 43	0 15	22 22	1 6	15 33	16 36	9 50	10 5	14 29	4 51	3 1
S 8	5 56	25 3	3 32	9 45	1 48	4 56	0 34	22 59	0 41	9 57	1 31	7 30	2 43	23 43	0 15	22 22	1 6	15 33	16 36	9 50	10 6	14 32	4 50	3 1
S 9	5 33	21 11	2 31	9 1	1 47	5 27	0 32	22 55	0 42	9 55	1 31	7 28	2 43	23 43	0 15	22 22	1 6	15 34	16 36	9 49	10 8	14 35	4 49	3 1
M10	5 10	16 1	1 19	8 16	1 46	5 57	0 29	22 51	0 43	9 54	1 31	7 27	2 44	23 43	0 15	22 22	1 6	15 35	16 36	9 49	10 9	14 38	4 48	3 1
T 11	4 47	9 51	0 0	7 30	1 44	6 28	0 26	22 47	0 44	9 52	1 32	7 26	2 44	23 43	0 15	22 22	1 6	15 35	16 36	9 49	10 10	14 41	4 47	3 1
W12	4 25	3 1	1n20	6 44	1 42	6 58	0 23	22 42	0 45	9 50	1 32	7 24	2 44	23 43	0 15	22 22	1 6	15 36	16 36	9 49	10 11	14 44	4 46	3 1
T 13	4 2	4n 3	2 36	5 57	1 39	7 28	0 21	22 38	0 46	9 49	1 32	7 23	2 44	23 43	0 15	22 22	1 6	15 36	16 37	9 49	10 12	14 46	4 45	3 1
F 14	3 39	10 56	3 42	5 10	1 35	7 58	0 18	22 33	0 46	9 47	1 32	7 22	2 44	23 43	0 15	22 22	1 6	15 37	16 37	9 50	10 13	14 49	4 44	3 1
S 15	3 16	17 10	4 32	4 23	1 31	8 28	0 15	22 28	0 47	9 45	1 32	7 20	2 45	23 43	0 15	22 22	1 6	15 37	16 37	9 51	10 14	14 52	4 43	3 1
S 16	2 52	22 18	5 4	3 35	1 27	8 58	0 12	22 23	0 48	9 43	1 32	7 19	2 45	23 43	0 15	22 22	1 6	15 38	16 37	9 52	10 16	14 55	4 42	3 1
M17	2 29	25 59	5 15	2 48	1 23	9 27	0 9	22 18	0 49	9 41	1 33	7 17	2 45	23 43	0 15	22 22	1 6	15 38	16 37	9 52	10 17	14 58	4 40	3 1
T 18	2 6	27 58	5 7	2 0	1 18	9 57	0 6	22 13	0 50	9 39	1 33	7 16	2 45	23 43	0 15	22 22	1 6	15 39	16 37	9 53	10 18	15 1	4 39	3 1
W19	1 43	28 10	4 42	1 13	1 13	10 26	0 3	22 8	0 51	9 37	1 33	7 14	2 45	23 43	0 15	22 22	1 6	15 39	16 37	9 53	10 19	15 4	4 38	3 1
T 20	1 19	26 41	4 2	0 26	1 7	10 55	0 0	22 2	0 52	9 35	1 33	7 13	2 45	23 43	0 15	22 22	1 6	15 40	16 37	9 52	10 20	15 7	4 37	3 1
F 21	0 56	23 47	3 10	0s21	1 1	11 23	0s 3	21 57	0 53	9 33	1 33	7 11	2 46	23 43	0 15	22 22	1 6	15 40	16 37	9 52	10 21	15 9	4 36	3 1
S 22	0 33	19 45	2 10	1 8	0 55	11 52	0 6	21 51	0 54	9 30	1 33	7 10	2 46	23 43	0 15	22 22	1 6	15 41	16 37	9 51	10 22	15 12	4 35	3 1
S 23	0 9	14 56	1 4	1 54	0 49	12 20	0 9	21 45	0 55	9 28	1 33	7 8	2 46	23 43	0 15	22 22	1 5	15 41	16 37	9 51	10 24	15 15	4 34	3 1
M24	0s14	9 35	0s 3	2 41	0 43	12 48	0 12	21 39	0 56	9 26	1 34	7 7	2 46	23 43	0 15	22 22	1 5	15 42	16 37	9 51	10 25	15 18	4 33	3 0
T 25	0 38	3 57	1 9	3 26	0 36	13 15	0 15	21 33	0 57	9 23	1 34	7 5	2 46	23 43	0 15	22 22	1 5	15 42	16 37	9 51	10 26	15 21	4 31	3 0
W26	1 1	1s46	2 12	4 12	0 30	13 43	0 18	21 27	0 58	9 21	1 34	7 3	2 46	23 43	0 15	22 23	1 5	15 43	16 37	9 52	10 27	15 24	4 30	3 0
T 27	1 25	7 21	3 8	4 57	0 23	14 10	0 22	21 20	0 59	9 18	1 34	7 2	2 46	23 43	0 15	22 23	1 5	15 43	16 37	9 53	10 28	15 27	4 29	3 0
F 28	1 48	12 39	3 55	5 41	0 16	14 36	0 25	21 14	1 0	9 16	1 34	7 0	2 46	23 43	0 15	22 23	1 5	15 44	16 37	9 55	10 29	15 29	4 28	3 0
S 29	2 11	17 29	4 32	6 25	0 9	15 3	0 28	21 8	1 1	9 13	1 34	6 58	2 47	23 43	0 15	22 23	1 5	15 44	16 37	9 57	10 31	15 32	4 27	3 0
S 30	2s35	21s38	4s57	7s 8	0n 2	15s29	0s31																	

SWISS EPHEMERIS for the year 1821

OCTOBER 1821

00:00 UT

Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁
M 1	0 37 36	7♁28'30	28♁45	19♁53	11♁42	1♁21	27°R31	24°R29	29♁22	0♁24	28°R38	4°R 7	2♁38	0♁14	4°R 9
T 2	0 41 32	8°27'37	10♁43	21°28	12°55	1°55	27°Y24	24°Y25	29°23	0°24	28°R36	4°R 2	2°35	0°21	4°Y 7
W 3	0 45 29	9°26'45	22°51	23° 2	14° 7	2°30	27°17	24°21	29°24	0°25	28°35	3°59	2°32	0°28	4° 4
T 4	0 49 25	10°25'56	5♁13	24°36	15°20	3° 4	27° 9	24°16	29°25	0°26	28°34	3°D58	2°29	0°34	4° 1
F 5	0 53 22	11°25'08	17°52	26° 8	16°32	3°39	27° 2	24°11	29°27	0°26	28°33	3°58	2°25	0°41	3°58
S 6	0 57 19	12°24'22	0♁53	27°40	17°45	4°13	26°54	24° 7	29°28	0°27	28°32	3°59	2°22	0°48	3°56
S 7	1 1 15	13°23'37	14°19	29°11	18°57	4°47	26°47	24° 2	29°29	0°28	28°31	4° 0	2°19	0°54	3°53
M 8	1 5 12	14°22'54	28°13	0♁42	20° 9	5°21	26°39	23°58	29°31	0°29	28°29	4°R 1	2°16	1° 1	3°50
T 9	1 9 8	15°22'13	12♁35	2°11	21°21	5°54	26°31	23°53	29°32	0°30	28°28	4° 1	2°13	1° 8	3°48
W10	1 13 5	16°21'34	27°22	3°40	22°34	6°28	26°23	23°48	29°34	0°30	28°27	3°59	2° 9	1°14	3°45
T 11	1 17 1	17°20'57	12°Y28	5° 8	23°46	7° 2	26°15	23°43	29°36	0°31	28°26	3°55	2° 6	1°21	3°42
F 12	1 20 58	18°20'22	27°44	6°35	24°58	7°35	26° 7	23°39	29°37	0°32	28°25	3°50	2° 3	1°28	3°40
S 13	1 24 54	19°19'49	13♁ 0	8° 2	26°10	8° 8	25°59	23°34	29°39	0°33	28°24	3°43	2° 0	1°35	3°37
S 14	1 28 51	20°19'18	28° 4	9°27	27°22	8°41	25°51	23°29	29°41	0°34	28°23	3°36	1°57	1°41	3°34
M15	1 32 48	21°18'50	12♁48	10°52	28°34	9°14	25°43	23°24	29°43	0°35	28°22	3°30	1°54	1°48	3°32
T 16	1 36 44	22°18'24	27° 7	12°16	29°46	9°47	25°35	23°20	29°44	0°36	28°21	3°25	1°50	1°55	3°29
W17	1 40 41	23°18'00	10♁57	13°39	0♁58	10°20	25°27	23°15	29°46	0°38	28°20	3°22	1°47	2° 1	3°26
T 18	1 44 37	24°17'38	24°20	15° 1	2°10	10°52	25°19	23°10	29°48	0°39	28°18	3°D21	1°44	2° 8	3°24
F 19	1 48 34	25°17'19	7♁18	16°22	3°22	11°25	25°11	23° 5	29°50	0°40	28°17	3°22	1°41	2°15	3°21
S 20	1 52 30	26°17'02	19°55	17°42	4°34	11°57	25° 3	23° 1	29°52	0°41	28°16	3°23	1°38	2°22	3°19
S 21	1 56 27	27°16'47	2♁16	19° 1	5°45	12°29	24°55	22°56	29°54	0°42	28°15	3°R24	1°35	2°28	3°16
M22	2 0 23	28°16'35	14°24	20°19	6°57	13° 1	24°46	22°51	29°56	0°44	28°14	3°23	1°31	2°35	3°14
T 23	2 4 20	29°16'24	26°23	21°36	8° 9	13°32	24°38	22°46	29°59	0°45	28°13	3°20	1°28	2°42	3°12
W24	2 8 17	0♁16'16	8♁18	22°51	9°20	14° 4	24°30	22°42	0♁ 1	0°46	28°12	3°15	1°25	2°48	3° 9
T 25	2 12 13	1°16'09	20° 9	24° 4	10°32	14°35	24°22	22°37	0° 3	0°48	28°11	3° 7	1°22	2°55	3° 7
F 26	2 16 10	2°16'05	2♁ 0	25°16	11°44	15° 7	24°14	22°32	0° 5	0°49	28°10	2°57	1°19	3° 2	3° 4
S 27	2 20 6	3°16'03	13°51	26°26	12°55	15°38	24° 6	22°28	0° 8	0°50	28° 9	2°45	1°15	3° 8	3° 2
S 28	2 24 3	4°16'02	25°45	27°34	14° 7	16° 8	23°58	22°23	0°10	0°52	28° 9	2°32	1°12	3°15	3° 0
M29	2 27 59	5°16'04	7♁42	28°40	15°18	16°39	23°51	22°18	0°12	0°53	28° 8	2°21	1° 9	3°22	2°58
T 30	2 31 56	6°16'07	19°45	29°44	16°29	17°10	23°43	22°14	0°15	0°55	28° 7	2°10	1° 6	3°29	2°55
W31	2 35 52	7♁16'12	1♁55	0♁44	17♁41	17♁40	23°Y35	22°Y 9	0♁17	0♁56	28°R 6	2°R 2	1°R 3	3♁35	2°Y53

Day	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁									
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat									
M 1	2s58	24s56	5s10	7s51	0s 5	15s54	0s34	20n54	1n 3	9n 8	1s34	6n55	2s47	23s43	0s15	22s23	1n 5	15s45	16s37	10s 1	10s33	15s38	4n24	3n 0
T 2	3 22 27	11 5	9 8 34	0 12	16 20	0 38	20 48	1 4	9 6	1 34	6 53	2 47	23 43	0 15	22 23	1 5	15 45	16 37	10 2	10 34	15 41	4 23	3 0	
W 3	3 45 28	11 4	5 5 9 15	0 19	16 45	0 41	20 41	1 5	9 3	1 34	6 51	2 47	23 43	0 15	22 23	1 5	15 46	16 37	10 3	10 35	15 44	4 22	3 0	
T 4	4 8 27	48 4	26 9 56	0 26	17 9	0 44	20 34	1 6	9 0	1 35	6 50	2 47	23 43	0 15	22 23	1 5	15 46	16 37	10 4	10 36	15 46	4 21	3 0	
F 5	4 31 25	59 3	45 10 37	0 33	17 33	0 47	20 27	1 7	8 57	1 35	6 48	2 47	23 43	0 15	22 23	1 5	15 46	16 37	10 4	10 37	15 49	4 20	3 0	
S 6	4 54 22	45 2	50 11 17	0 40	17 57	0 50	20 20	1 8	8 55	1 35	6 46	2 47	23 43	0 15	22 23	1 5	15 47	16 36	10 4	10 38	15 52	4 18	2 59	
S 7	5 18 18	14 1	45 11 56	0 47	18 20	0 54	20 13	1 9	8 52	1 35	6 45	2 47	23 43	0 15	22 23	1 5	15 47	16 36	10 3	10 40	15 55	4 17	2 59	
M 8	5 41 12	36 0	31 12 34	0 54	18 43	0 57	20 5	1 10	8 49	1 35	6 43	2 47	23 43	0 15	22 23	1 5	15 48	16 36	10 3	10 41	15 58	4 16	2 59	
T 9	6 3 6	8 0n46	13 12	1 1	19 5	1 0	19 58	1 11	8 46	1 35	6 41	2 47	23 43	0 15	22 23	1 5	15 48	16 36	10 3	10 42	16 0	4 15	2 59	
W10	6 26	0n50	2 3	13 49	1 1	8 19 27	1 3	19 51	1 13	8 43	1 35	6 39	2 47	23 43	0 15	22 23	1 5	15 48	16 36	10 3	10 43	16 3	4 14	2 59
T 11	6 49	7 53	3 13	14 25	1 15	19 48	1 6	19 43	1 14	8 40	1 35	6 38	2 47	23 43	0 15	22 23	1 5	15 49	16 36	10 5	10 44	16 6	4 13	2 59
F 12	7 12	14 33	4 9	15 1	1 22	20 9	1 9	19 36	1 15	8 38	1 35	6 36	2 47	23 43	0 15	22 23	1 5	15 49	16 36	10 7	10 45	16 9	4 11	2 59
S 13	7 34	20 20	4 48	15 36	1 28	20 29	1 12	19 28	1 16	8 35	1 35	6 34	2 47	23 43	0 15	22 23	1 5	15 49	16 36	10 9	10 46	16 12	4 10	2 59
S 14	7 57	24 43	5 6	16 9	1 35	20 49	1 15	19 21	1 17	8 32	1 35	6 32	2 47	23 43	0 15	22 23	1 5	15 50	16 36	10 12	10 48	16 14	4 9	2 59
M15	8 19	27 23	5 4	16 42	1 41	21 8	1 19	19 13	1 18	8 29	1 35	6 30	2 47	23 43	0 15	22 23	1 4	15 50	16 35	10 14	10 49	16 17	4 8	2 58
T 16	8 42	28 8	4 42	17 14	1 48	21 27	1 22	19 5	1 19	8 26	1 35	6 29	2 47	23 43	0 15	22 23	1 4	15 50	16 35	10 16	10 50	16 20	4 7	2 58
W17	9 4	27 4	4 4	17 46	1 54	21 45	1 25	18 57	1 20	8 23	1 35	6 27	2 47	23 43	0 15	22 23	1 4	15 51	16 35	10 17	10 51	16 23	4 6	2 58
T 18	9 26	24 28	3 14	18 16	2 0	22 3	1 28	18 50	1 21	8 20	1 35	6 25	2 47	23 43	0 15	22 23	1 4	15 51	16 35	10 17	10 52	16 25	4 5	2 58
F 19	9 48	20 39	2 16	18 45	2 5	22 20	1 31	18 42	1 22	8 17	1 35	6 23	2 47	23 43	0 15	22 23	1 4	15 51	16 35	10 17	10 53	16 28	4 3	2 58
S 20	10 9	16 0	1 12	19 13	2 11	22 36	1 33	18 34	1 24	8 14	1 35	6 22	2 47	23 43	0 15	22 24	1 4	15 51	16 35	10 17	10 54	16 31	4 2	2 58
S 21	10 31	10 47	0 6	19 40	2 16	22 52	1 36	18 26	1 25	8 11	1 34	6 20	2 47	23 43	0 15	22 24	1 4	15 52	16 35	10 16	10 56	16 34	4 1	2 58
M22	10 52	5 15	0s59	20 7	2 21	23 7	1 39	18 18	1 26	8 8	1 34	6 18	2 47	23 43	0 15	22 24	1 4	15 52	16 34	10 17	10 57	16 36	4 0	2 58
T 23	11 14	0s24	2 0	20 32	2 26	23 22	1 42	18 10	1 27	8 6	1 34	6 17	2 47	23 43	0 15	22 24	1 4	15 52	16 34	10 18	10 58	16 39	3 59	2 57
W24	11 35	5 59	2 55	20 55	2 30	23 36	1 45	18 2	1 28	8 3	1 34	6 15	2 47	23 43	0 15	22 24	1 4	15 52	16 34	10 20	10 59	16 42	3 58	2 57
T 25	11 56	11 19	3 43	21 18	2 34	23 49	1 47	17 54	1 29	8 0	1 34	6 13	2 47	23 43	0 15	22 24	1 4	15 53	16 34	10 22	11 0	16 45	3 57	2 57
F 26	12 16	16 15	4 20	21 40	2 38	24 2	1 50	17 46	1 31	7 57	1 34	6 12	2 47	23 43	0 15	22 24	1 4	15 53	16 34	10 26	11 1	16 47	3 56	2 57
S 27	12 37	20 34	4 47	22 0	2 41	24 14	1 53	17 38	1 32	7 54	1 34	6 10	2 47	23 43	0 15	22 24	1 4	15 53	16 33	10 30	11 2	16 50	3 55	2 57
S 28	12 57	24 5	5 1	22 18	2 44	24 25	1 55	17 30	1 33	7 51	1 34	6 8	2 47	23 43	0 15	22 24	1 4	15 53	16 33	10 35	11 3	16 53	3 54	2 57
M29	13 18	26 34	5 1	22 36	2 47	24 36	1 58	17 22	1 34	7 49	1 34	6 7	2 47	23 43	0 15									

SWISS EPHEMERIS for the year 1821

NOVEMBER 1821

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
T 1	2 39 49	8♈16'18	14♉17	1♊42	18♋52	18♌10	23♍27	22♎5	0♏20	0♐58	28♑5	1♒57	1♓0	3♈42	2♉51	
F 2	2 43 46	9°16'27	26°53	2°36	20° 3	18°40	23°20	22°0	0°22	0°59	28°4	1♓54	0°56	3°49	2♊49	
S 3	2 47 42	10°16'36	9♌48	3°26	21°14	19°10	23°12	21°56	0°25	1° 1	28° 3	1♓54	0°53	3°55	2°47	
S 4	2 51 39	11°16'47	23° 5	4°12	22°25	19°39	23° 5	21°51	0°28	1° 2	28° 2	1°54	0°50	4° 2	2°45	
M 5	2 55 35	12°17'00	6♌47	4°53	23°36	20° 8	22°58	21°47	0°30	1° 4	28° 2	1♓54	0°47	4° 9	2°43	
T 6	2 59 32	13°17'14	20°57	5°28	24°47	20°37	22°51	21°43	0°33	1° 6	28° 1	1°53	0°44	4°16	2°41	
W 7	3 3 28	14°17'29	5♌34	5°58	25°58	21° 6	22°44	21°39	0°36	1° 7	28° 0	1°49	0°41	4°22	2°39	
T 8	3 7 25	15°17'46	20°33	6°21	27° 9	21°35	22°37	21°34	0°38	1° 9	27°59	1°43	0°37	4°29	2°37	
F 9	3 11 21	16°18'05	5♌48	6°37	28°20	22° 3	22°30	21°30	0°41	1°11	27°59	1°34	0°34	4°36	2°35	
S 10	3 15 18	17°18'26	21° 9	6°R45	29°30	22°31	22°23	21°26	0°44	1°12	27°58	1°23	0°31	4°42	2°34	
S 11	3 19 15	18°18'48	6♌22	6°43	0♌41	22°59	22°17	21°22	0°47	1°14	27°57	1°12	0°28	4°49	2°32	
M12	3 23 11	19°19'12	21°18	6°33	1°51	23°27	22°10	21°18	0°50	1°16	27°56	1° 1	0°25	4°56	2°30	
T 13	3 27 8	20°19'37	5♌49	6°13	3° 2	23°55	22° 4	21°15	0°53	1°18	27°56	0°53	0°21	5° 3	2°28	
W14	3 31 4	21°20'05	19°50	5°42	4°12	24°22	21°58	21°11	0°56	1°20	27°55	0°47	0°18	5° 9	2°27	
T 15	3 35 1	22°20'34	3♌20	5° 1	5°22	24°49	21°52	21° 7	0°59	1°22	27°55	0°44	0°15	5°16	2°25	
F 16	3 38 57	23°21'06	16°22	4°10	6°32	25°16	21°46	21° 3	1° 2	1°23	27°54	0°43	0°12	5°23	2°24	
S 17	3 42 54	24°21'39	29° 0	3° 9	7°42	25°42	21°40	21° 0	1° 5	1°25	27°53	0°43	0° 9	5°29	2°22	
S 18	3 46 50	25°22'13	11♌18	2° 1	8°52	26° 8	21°35	20°56	1° 8	1°27	27°53	0°43	0° 6	5°36	2°21	
M19	3 50 47	26°22'50	23°22	0°45	10° 2	26°34	21°30	20°53	1°11	1°29	27°52	0°41	0° 2	5°43	2°20	
T 20	3 54 44	27°23'28	5♌18	29♌25	11°12	27° 0	21°24	20°49	1°14	1°31	27°52	0°37	29♌59	5°49	2°18	
W21	3 58 40	28°24'08	17° 8	28° 3	12°21	27°26	21°19	20°46	1°17	1°33	27°51	0°30	29°56	5°56	2°17	
T 22	4 2 37	29°24'49	28°57	26°42	13°31	27°51	21°15	20°43	1°20	1°35	27°51	0°20	29°53	6° 3	2°16	
F 23	4 6 33	0♌25'32	10♌49	25°25	14°40	28°15	21°10	20°40	1°24	1°37	27°50	0° 8	29°50	6°10	2°15	
S 24	4 10 30	1°26'16	22°43	24°13	15°50	28°40	21° 5	20°37	1°27	1°39	27°50	29♌53	29°46	6°16	2°14	
S 25	4 14 26	2°27'02	4♌43	23°10	16°59	29° 4	21° 1	20°34	1°30	1°41	27°49	29°38	29°43	6°23	2°12	
M26	4 18 23	3°27'49	16°49	22°16	18° 8	29°28	20°57	20°31	1°33	1°43	27°49	29°23	29°40	6°30	2°11	
T 27	4 22 19	4°28'38	29° 2	21°34	19°17	29°52	20°53	20°28	1°37	1°45	27°49	29°11	29°37	6°36	2°11	
W28	4 26 16	5°29'27	11♌24	21° 3	20°26	0♌15	20°49	20°26	1°40	1°47	27°48	29° 0	29°34	6°43	2°10	
T 29	4 30 13	6°30'18	23°54	20°43	21°34	0°38	20°46	20°23	1°43	1°49	27°48	28°53	29°31	6°50	2° 9	
F 30	4 34 9	7°31'09	6♌37	20°D35	22♌43	1♌0	20°42	20°21	1♌47	1♌51	27°48	28♌49	29♌27	6♌57	2♌8	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂								
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl								
T 1	14s17	26s25	3s45	23s19	2s51	25s 4	2s 5	16n57	1n38	7n41	1s33	6n 2	2s47	23s43	0s15	22s24	1n 4	15s54	16s32	10s47	11s 8	17s 4	3n49	2n56
F 2	14 36	23 39	2 55	23 30	2 51	25 12	2 7	16 49	1 39	7 38	1 33	6 0	2 47	23 43	0 15	22 24	1 4	15 54	16 32	10 48	11 9	17 6	3 48	2 56
S 3	14 55	19 39	1 55	23 39	2 50	25 19	2 9	16 41	1 40	7 35	1 33	5 59	2 46	23 43	0 15	22 24	1 4	15 54	16 32	10 49	11 10	17 9	3 47	2 56
S 4	15 14	14 34	0 47	23 46	2 49	25 26	2 11	16 33	1 42	7 33	1 33	5 57	2 46	23 43	0 15	22 24	1 4	15 54	16 32	10 49	11 11	17 12	3 47	2 55
M 5	15 32	8 38	0n26	23 52	2 47	25 32	2 13	16 25	1 43	7 30	1 33	5 56	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 49	11 12	17 14	3 46	2 55
T 6	15 51	2 4	1 39	23 55	2 43	25 37	2 15	16 17	1 44	7 28	1 32	5 54	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 49	11 14	17 17	3 45	2 55
W 7	16 9	4n47	2 48	23 56	2 48	25 41	2 17	16 9	1 46	7 25	1 32	5 53	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 50	11 15	17 20	3 44	2 55
T 8	16 26	11 33	3 47	23 54	2 33	25 45	2 19	16 1	1 47	7 23	1 32	5 51	2 46	23 43	0 15	22 24	1 4	15 54	16 31	10 53	11 16	17 22	3 43	2 55
F 9	16 44	17 44	4 31	23 50	2 26	25 48	2 21	15 53	1 48	7 21	1 32	5 50	2 46	23 43	0 15	22 24	1 4	15 55	16 30	10 56	11 17	17 25	3 42	2 54
S 10	17 1	22 49	4 56	23 44	2 18	25 50	2 22	15 45	1 50	7 18	1 32	5 49	2 45	23 43	0 15	22 24	1 4	15 55	16 30	11 0	11 18	17 28	3 41	2 54
S 11	17 18	26 19	5 0	23 34	2 8	25 52	2 24	15 37	1 51	7 16	1 31	5 47	2 45	23 43	0 15	22 24	1 3	15 55	16 30	11 4	11 19	17 30	3 40	2 54
M12	17 35	27 53	4 42	23 21	1 57	25 52	2 25	15 29	1 52	7 14	1 31	5 46	2 45	23 43	0 15	22 24	1 3	15 55	16 30	11 7	11 20	17 33	3 39	2 54
T 13	17 51	27 27	4 7	23 5	1 44	25 52	2 27	15 21	1 54	7 12	1 31	5 45	2 45	23 43	0 15	22 24	1 3	15 55	16 29	11 10	11 21	17 36	3 38	2 54
W14	18 7	25 16	3 18	22 45	1 30	25 52	2 28	15 13	1 55	7 10	1 31	5 43	2 45	23 43	0 15	22 24	1 3	15 55	16 29	11 12	11 23	17 38	3 38	2 54
T 15	18 22	21 41	2 19	22 22	1 14	25 50	2 29	15 5	1 56	7 8	1 31	5 42	2 45	23 43	0 15	22 24	1 3	15 55	16 29	11 13	11 24	17 41	3 37	2 53
F 16	18 38	17 9	1 15	21 56	0 57	25 48	2 30	14 58	1 58	7 6	1 30	5 41	2 44	23 43	0 15	22 24	1 3	15 55	16 28	11 14	11 25	17 44	3 36	2 53
S 17	18 53	11 59	0 9	21 26	0 38	25 45	2 31	14 50	1 59	7 4	1 30	5 40	2 44	23 43	0 15	22 24	1 3	15 55	16 28	11 14	11 26	17 46	3 35	2 53
S 18	19 8	6 29	0s56	20 53	0 18	25 42	2 32	14 42	2 1	7 2	1 30	5 39	2 44	23 43	0 15	22 24	1 3	15 54	16 28	11 14	11 27	17 49	3 35	2 53
M19	19 22	0 51	1 57	20 18	0n	2 25 38	2 33	14 35	2 2	7 0	1 30	5 38	2 44	23 43	0 15	22 24	1 3	15 54	16 27	11 15	11 28	17 51	3 34	2 53
T 20	19 36	4s44	2 52	19 41	0 23	25 33	2 34	14 27	2 3	6 59	1 29	5 36	2 44	23 43	0 15	22 24	1 3	15 54	16 27	11 16	11 29	17 54	3 33	2 52
W21	19 50	10 6	3 39	19 3	0 43	25 27	2 34	14 20	2 5	6 57	1 29	5 35	2 44	23 43	0 15	22 24	1 3	15 54	16 27	11 18	11 30	17 57	3 32	2 52
T 22	20 3	15 6	4 16	18 25	1 3	25 20	2 35	14 13	2 6	6 55	1 29	5 34	2 43	23 43	0 15	22 24	1 3	15 54	16 27	11 22	11 32	17 59	3 32	2 52
F 23	20 16	19 33	4 43	17 49	1 21	25 13	2 35	14 5	2 8	6 54	1 29	5 33	2 43	23 42	0 15	22 24	1 3	15 54	16 26	11 26	11 33	18 2	3 31	2 52
S 24	20 28	23 15	4 57	17 16	1 38	25 6	2 35	13 58	2 9	6 52	1 28	5 33	2 43	23 42	0 15	22 24	1 3	15 54	16 26	11 31	11 34	18 5	3 30	2 51
S 25	20 40	25 59	4 58	16 46	1 53	24 57	2 35	13 51	2 11	6 51	1 28	5 32	2 43	23 42	0 15	22 24	1 3	15 54	16 26	11 37	11 35	18 7	3 30	2 51
M26	20 52	27 33	4 46	16 20	2 6	24 48	2 35	13 44	2 12	6 50	1 28	5 31	2 42	23 42	0 15	22 24	1 3	15 54	16 25	11 42	11 36	18 10	3 29	2 51
T 27	21 4	27 48	4 20	15 59	2 16	24 38	2 35	13 37	2 14	6 49	1 27	5 30	2 42	23 42	0 15	22 24	1 3	15 54	16 25	11 46	11 37	18 12	3 29	2 51
W28	21 15	26 40	3 42	15 43	2 25	24 28	2 35	13 31	2 16	6 47	1 27	5 29	2 42	23 42	0 15	22 24	1 3	15 53	16 25	11 50	11 38	18 15	3 28	2 51
T 29	21 25	24 11	2 53	15 31	2 31	24 17	2 35	13 24	2 17	6 46	1 27	5 28	2 42	23 42	0 15	22 24	1 3	15 53	16 24	11 52	11 39	18 17	3 28	2 50

SWISS EPHEMERIS for the year 1821

DECEMBER 1821

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Day	Sid.t	☉	☽	♀	♁	♂	♃	♅	♁	♄	♁	♁	♁	♁	♁	♁
S 1	4 38 6	8°32'01	19°33	20°37	23°51	1°23	20°R39	20°R18	1°50	1°54	27°R47	28°R47	29°24	7°3	2°R 7	
S 2	4 42 2	9°32'54	2°47	20°49	24°59	1°44	20°V36	20°V16	1°54	1°56	27°47	28°47	29°21	7°10	2°V 7	
M 3	4 45 59	10°33'48	16°21	21°11	26° 7	2° 6	20°34	20°14	1°57	1°58	27°47	28°47	29°18	7°17	2° 6	
T 4	4 49 55	11°34'43	0°V17	21°41	27°15	2°27	20°31	20°12	2° 0	2° 0	27°47	28°46	29°15	7°23	2° 5	
W 5	4 53 52	12°35'38	14°37	22°19	28°23	2°48	20°29	20°10	2° 4	2° 2	27°47	28°43	29°12	7°30	2° 5	
T 6	4 57 48	13°36'34	29°17	23° 3	29°30	3° 8	20°27	20° 8	2° 7	2° 4	27°46	28°37	29° 8	7°37	2° 4	
F 7	5 1 45	14°37'31	14°13	23°53	0°38	3°28	20°25	20° 6	2°11	2° 6	27°46	28°28	29° 5	7°44	2° 4	
S 8	5 5 42	15°38'28	29°18	24°48	1°45	3°48	20°23	20° 4	2°14	2° 9	27°46	28°17	29° 2	7°50	2° 4	
S 9	5 9 38	16°39'27	14°II2	25°48	2°52	4° 7	20°22	20° 3	2°18	2°11	27°46	28° 6	28°59	7°57	2° 3	
M10	5 13 35	17°40'26	29°13	26°52	3°58	4°26	20°20	20° 1	2°21	2°13	27°46	27°56	28°56	8° 4	2° 3	
T 11	5 17 31	18°41'26	13°645	27°59	5° 5	4°44	20°19	20° 0	2°25	2°15	27°46	27°47	28°53	8°10	2° 3	
W12	5 21 28	19°42'27	27°51	29°10	6°11	5° 2	20°18	19°59	2°28	2°18	27°D46	27°41	28°49	8°17	2° 3	
T 13	5 25 24	20°43'29	11°Ω28	0°23	7°17	5°19	20°18	19°58	2°32	2°20	27°46	27°37	28°46	8°24	2° 3	
F 14	5 29 21	21°44'32	24°37	1°38	8°23	5°36	20°17	19°57	2°35	2°22	27°46	27°D36	28°43	8°31	2°D 3	
S 15	5 33 18	22°45'35	7°η20	2°55	9°28	5°53	20°17	19°56	2°39	2°24	27°46	27°37	28°40	8°37	2° 3	
S 16	5 37 14	23°46'40	19°42	4°14	10°34	6° 9	20°D17	19°55	2°43	2°26	27°46	27°R37	28°37	8°44	2° 3	
M17	5 41 11	24°47'45	1°Ω49	5°35	11°39	6°25	20°17	19°54	2°46	2°29	27°46	27°37	28°33	8°51	2° 3	
T 18	5 45 7	25°48'51	13°45	6°57	12°44	6°40	20°17	19°53	2°50	2°31	27°46	27°35	28°30	8°57	2° 3	
W19	5 49 4	26°49'58	25°36	8°20	13°48	6°54	20°18	19°53	2°53	2°33	27°46	27°31	28°27	9° 4	2° 4	
T 20	5 53 0	27°51'06	7°η26	9°44	14°52	7° 8	20°19	19°53	2°57	2°36	27°47	27°24	28°24	9°11	2° 4	
F 21	5 56 57	28°52'14	19°19	11° 9	15°56	7°22	20°20	19°52	3° 0	2°38	27°47	27°15	28°21	9°18	2° 4	
S 22	6 0 53	29°53'23	1°218	12°34	17° 0	7°35	20°21	19°52	3° 4	2°40	27°47	27° 4	28°18	9°24	2° 5	
S 23	6 4 50	0°54'33	13°25	14° 1	18° 3	7°47	20°22	19°D52	3° 8	2°42	27°47	26°53	28°14	9°31	2° 5	
M24	6 8 47	1°55'43	25°43	15°28	19° 6	7°59	20°24	19°52	3°11	2°45	27°48	26°42	28°11	9°38	2° 6	
T 25	6 12 43	2°56'53	8°210	16°56	20° 9	8°10	20°26	19°52	3°15	2°47	27°48	26°32	28° 8	9°44	2° 6	
W26	6 16 40	3°58'04	20°48	18°24	21°11	8°21	20°28	19°53	3°19	2°49	27°48	26°24	28° 5	9°51	2° 7	
T 27	6 20 36	4°59'15	3°37	19°53	22°13	8°31	20°30	19°53	3°22	2°51	27°49	26°19	28° 2	9°58	2° 8	
F 28	6 24 33	6° 0'25	16°36	21°22	23°15	8°40	20°32	19°53	3°26	2°54	27°49	26°16	27°59	10° 5	2° 9	
S 29	6 28 29	7° 1'36	29°47	22°52	24°16	8°49	20°35	19°54	3°29	2°56	27°49	26°D16	27°55	10°11	2° 9	
S 30	6 32 26	8° 2'46	13°K11	24°22	25°17	8°57	20°38	19°55	3°33	2°58	27°50	26°17	27°52	10°18	2°10	
MB1	6 36 22	9° 3'56	26°K49	25°2153	26°2617	9°η 5	20°V41	19°V56	3°37	3° 0	27°K50	26°18	27°49	10°25	2°V11	

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	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat		
S 1	21s45	15s44	0s49	15s23	2n38	23s53	2s34	13n11	2n20	6n44	1s26	5n27	2s41	23s42	0s15	22s24	1n 3	15s53	16s24	11s54	11s42	18s23	3n27	2n50
S 2	21 54	10 10	0n21	15 25	2 39	23 40	2 33	13 5	2 22	6 44	1 26	5 26	2 41	23 42	0 15	22 24	1 3	15 53	16 23	11 55	11 43	18 25	3 26	2 50
M 3	22 3	3 59	1 32	15 31	2 39	23 26	2 32	12 58	2 24	6 43	1 26	5 26	2 41	23 42	0 15	22 24	1 3	15 52	16 23	11 55	11 44	18 28	3 26	2 50
T 4	22 12	2n32	2 38	15 40	2 37	23 12	2 31	12 52	2 25	6 42	1 25	5 25	2 41	23 42	0 15	22 24	1 3	15 52	16 23	11 55	11 45	18 30	3 25	2 49
W 5	22 20	9 6	3 37	15 52	2 35	22 57	2 30	12 46	2 27	6 42	1 25	5 25	2 40	23 42	0 15	22 24	1 3	15 52	16 22	11 56	11 46	18 33	3 25	2 49
T 6	22 27	15 20	4 23	16 7	2 31	22 42	2 29	12 40	2 29	6 41	1 25	5 24	2 40	23 42	0 15	22 24	1 3	15 52	16 22	11 58	11 47	18 35	3 24	2 49
F 7	22 35	20 46	4 52	16 23	2 27	22 26	2 27	12 35	2 30	6 41	1 24	5 24	2 40	23 42	0 15	22 24	1 3	15 51	16 22	12 1	11 48	18 38	3 24	2 49
S 8	22 41	24 55	5 1	16 42	2 22	22 10	2 26	12 29	2 32	6 40	1 24	5 23	2 40	23 42	0 15	22 24	1 3	15 51	16 21	12 5	11 49	18 40	3 24	2 48
S 9	22 48	27 20	4 49	17 1	2 16	21 53	2 24	12 24	2 34	6 40	1 24	5 23	2 39	23 42	0 15	22 24	1 3	15 51	16 21	12 9	11 50	18 43	3 23	2 48
M10	22 54	27 46	4 18	17 22	2 10	21 35	2 22	12 18	2 35	6 40	1 24	5 23	2 39	23 42	0 15	22 24	1 3	15 51	16 21	12 12	11 52	18 45	3 23	2 48
T 11	22 59	26 14	3 30	17 44	2 4	21 17	2 20	12 13	2 37	6 40	1 23	5 23	2 39	23 42	0 15	22 24	1 3	15 50	16 20	12 15	11 53	18 48	3 23	2 48
W12	23 4	23 5	2 31	18 6	1 57	20 59	2 18	12 8	2 39	6 40	1 23	5 22	2 38	23 42	0 15	22 24	1 3	15 50	16 20	12 17	11 54	18 50	3 23	2 48
T 13	23 8	18 43	1 25	18 28	1 50	20 40	2 16	12 4	2 41	6 40	1 23	5 22	2 38	23 42	0 15	22 24	1 3	15 50	16 19	12 19	11 55	18 53	3 22	2 47
F 14	23 12	13 35	0 16	18 50	1 42	20 20	2 14	11 59	2 43	6 40	1 22	5 22	2 38	23 41	0 15	22 24	1 3	15 49	16 19	12 19	11 56	18 55	3 22	2 47
S 15	23 16	8 2	0s52	19 13	1 35	20 0	2 11	11 55	2 44	6 40	1 22	5 22	2 38	23 41	0 15	22 24	1 3	15 49	16 19	12 19	11 57	18 58	3 22	2 47
S 16	23 19	2 19	1 55	19 35	1 27	19 40	2 8	11 50	2 46	6 40	1 22	5 22	2 37	23 41	0 15	22 24	1 3	15 49	16 18	12 19	11 58	19 0	3 22	2 47
M17	23 22	3s21	2 52	19 57	1 19	19 19	2 6	11 46	2 48	6 41	1 21	5 22	2 37	23 41	0 15	22 24	1 3	15 48	16 18	12 19	11 59	19 3	3 22	2 46
T 18	23 24	8 49	3 40	20 19	1 12	18 58	2 3	11 42	2 50	6 41	1 21	5 22	2 37	23 41	0 15	22 24	1 3	15 48	16 18	12 19	12 0	19 5	3 22	2 46
W19	23 26	13 55	4 19	20 40	1 4	18 36	1 59	11 39	2 52	6 42	1 21	5 22	2 37	23 41	0 15	22 24	1 3	15 47	16 17	12 21	12 1	19 8	3 21	2 46
T 20	23 27	18 30	4 46	21 1	0 56	18 14	1 56	11 35	2 54	6 42	1 20	5 22	2 36	23 41	0 15	22 24	1 3	15 47	16 17	12 23	12 3	19 10	3 21	2 46
F 21	23 28	22 24	5 1	21 21	0 48	17 52	1 53	11 32	2 56	6 43	1 20	5 22	2 36	23 41	0 15	22 24	1 3	15 47	16 17	12 26	12 4	19 13	3 21	2 46
S 22	23 28	25 23	5 3	21 40	0 40	17 29	1 49	11 29	2 58	6 44	1 20	5 22	2 36	23 41	0 15	22 24	1 3	15 46	16 16	12 30	12 5	19 15	3 21	2 45
S 23	23 28	27 15	4 52	21 58	0 32	17 6	1 45	11 26	3 0	6 44	1 19	5 23	2 35	23 41	0 15	22 24	1 3	15 46	16 16	12 34	12 6	19 18	3 21	2 45
M24	23 27	27 50	4 26	22 16	0 25	16 43	1 41	11 23	3 2	6 45	1 19	5 23	2 35	23 41	0 15	22 24	1 3	15 45	16 16	12 38	12 7	19 20	3 21	2 45
T 25	23 26	27 1	3 48	22 32	0 17	16 19	1 37	11 21	3 3	6 46	1 19	5 23	2 35	23 41	0 15	22 24	1 3	15 45	16 15	12 41	12 8	19 22	3 21	2 45
W26	23 24	24 47	2 58	22 48	0 10	15 55	1 33	11 19	3 5	6 47	1 19	5 24	2 35	23 41	0 15	22 24	1 3	15 45	16 15	12 44	12 9	19 25	3 21	2 44
T 27	23 22	21 17	1 59	23 2	0 2	15 31	1 29	11 17	3 7	6 48	1 18	5 24	2 34	23 41	0 15	22 23	1 3	15 44	16 15	12 45	12 10	19 27	3 21	2 44
F 28	23 20	16 42	0 52	23 16	0s 5	15 6	1 24	11 15	3 9	6 50	1 18	5 25	2 34	23 40	0 15	22 23	1 3	15 44	16 14	12 46	12 11	19 30	3 22	2 44
S 29	23 17	11 16</																						