



Astrodienst Ephemeris Tables for the year 1913

tropical geocentric zodiac

contains Sun, Moon, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, True Node, Moon's Node, Lilith, Chiron

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris
Code D5EPX

ASTRODIENST EPHEMERIS for the year 1913
geocentric

JANUARY 1913

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	6 40 9	9♂59°17	24♂32	17♂58	22♂43	22♂56	29♂35	27°R52	2♂10	25°R 2	28°R50	7°R46	7°Y44	23♂27	7♂22	W 1
T 2	6 44 5	11° 0'27	7♂49	19°10	23°53	23°40	29°49	27♂49	2°14	25♂0	28♂49	7°Y44	7°41	23°33	7°25	T 2
F 3	6 48 2	12° 1'38	20°52	20°24	25° 4	24°24	0♂ 2	27°47	2°17	24°58	28°47	7°39	7°38	23°40	7°27	F 3
S 4	6 51 59	13° 2'49	3♂43	21°40	26°14	25° 8	0°16	27°44	2°20	24°57	28°46	7°31	7°34	23°47	7°30	S 4
S 5	6 55 55	14° 4'00	16°23	22°57	27°24	25°52	0°30	27°41	2°24	24°55	28°45	7°21	7°31	23°54	7°32	S 5
M 6	6 59 52	15° 5'11	28°53	24°15	28°34	26°37	0°43	27°39	2°27	24°53	28°44	7° 8	7°28	24° 0	7°35	M 6
T 7	7 3 48	16° 6'22	11♂13	25°35	29°44	27°21	0°57	27°36	2°31	24°52	28°43	6°53	7°25	24° 7	7°38	T 7
W 8	7 7 45	17° 7'33	23°24	26°56	0♂54	28° 6	1°10	27°34	2°34	24°50	28°42	6°38	7°22	24°14	7°40	W 8
T 9	7 11 41	18° 8'44	5♂27	28°18	2° 4	28°50	1°24	27°32	2°37	24°48	28°41	6°25	7°18	24°20	7°43	T 9
F 10	7 15 38	19° 9'54	17°22	29°41	3°13	29°35	1°37	27°30	2°41	24°47	28°39	6°14	7°15	24°27	7°46	F 10
S 11	7 19 34	20°11'04	29°12	1♂ 5	4°22	0♂19	1°51	27°28	2°44	24°45	28°38	6° 5	7°12	24°34	7°49	S 11
S 12	7 23 31	21°12'13	10♂59	2°30	5°32	1° 4	2° 4	27°26	2°48	24°43	28°37	5°59	7° 9	24°40	7°52	S 12
M13	7 27 28	22°13'22	22°47	3°56	6°41	1°48	2°17	27°24	2°51	24°42	28°36	5°57	7° 6	24°47	7°55	M13
T 14	7 31 24	23°14'30	4°Y40	5°22	7°49	2°33	2°31	27°22	2°55	24°40	28°35	5°D56	7° 3	24°54	7°58	T 14
W15	7 35 21	24°15'37	16°45	6°50	8°58	3°18	2°44	27°21	2°58	24°38	28°34	5°56	6°59	25° 0	8° 0	W15
T 16	7 39 17	25°16'44	29° 5	8°17	10° 7	4° 2	2°57	27°19	3° 2	24°36	28°33	5°R56	6°56	25° 7	8° 3	T 16
F 17	7 43 14	26°17'50	11♂46	9°46	11°15	4°47	3°10	27°18	3° 5	24°35	28°32	5°55	6°53	25°14	8° 7	F 17
S 18	7 47 10	27°18'55	24°53	11°15	12°23	5°32	3°24	27°16	3° 9	24°33	28°31	5°52	6°50	25°20	8°10	S 18
S 19	7 51 7	28°19'59	8♂30	12°45	13°31	6°17	3°37	27°15	3°12	24°31	28°30	5°46	6°47	25°27	8°13	S 19
M20	7 55 3	29°21'02	22°37	14°15	14°39	7° 2	3°50	27°14	3°16	24°30	28°29	5°38	6°44	25°34	8°16	M20
T 21	7 59 0	0♂22'05	7♂12	15°46	15°46	7°47	4° 3	27°13	3°19	24°28	28°28	5°28	6°40	25°40	8°19	T 21
W22	8 2 57	1°23'07	22° 9	17°18	16°53	8°32	4°16	27°12	3°23	24°26	28°27	5°18	6°37	25°47	8°22	W22
T 23	8 6 53	2°24'08	7♂20	18°50	18° 0	9°17	4°29	27°12	3°26	24°25	28°26	5° 8	6°34	25°54	8°26	T 23
F 24	8 10 50	3°25'08	22°33	20°23	19° 7	10° 2	4°42	27°11	3°30	24°23	28°25	5° 0	6°31	26° 0	8°29	F 24
S 25	8 14 46	4°26'07	7♂39	21°56	20°14	10°47	4°55	27°11	3°33	24°21	28°24	4°55	6°28	26° 7	8°32	S 25
S 26	8 18 43	5°27'06	22°28	23°30	21°20	11°32	5° 7	27°10	3°37	24°20	28°23	4°52	6°24	26°14	8°35	S 26
M27	8 22 39	6°28'04	6♂55	25° 5	22°26	12°17	5°20	27°10	3°40	24°18	28°22	4°D51	6°21	26°21	8°39	M27
T 28	8 26 36	7°29'01	20°58	26°40	23°32	13° 2	5°33	27°10	3°44	24°16	28°21	4°52	6°18	26°27	8°42	T 28
W29	8 30 32	8°29'58	4♂36	28°16	24°38	13°47	5°46	27°D10	3°47	24°15	28°20	4°R53	6°15	26°34	8°46	W29
T 30	8 34 29	9°30'54	17°52	29°53	25°43	14°33	5°58	27°10	3°51	24°13	28°19	4°52	6°12	26°41	8°49	T 30
F 31	8 38 26	10♂31'49	0♂48	1♂30	26♂48	15♂18	6♂11	27♂10	3♂54	24♂11	28♂19	4°Y50	6°Y 9	26♂47	8♂52	F 31

Day	☉	☽		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	lat
W 1	23s 5	10s52	1s27	21s27	1n28	15s37	1s46	23s43	0s27	23s13	0n14	17n38	2s 7	20s14	0s34	20n38	0s31	17n16	6s10	3n 5	3n 4	17s 6	4s 8	5n 2		
T 2	23 0	16 31	2 31	21 41	1 20	15 12	1 44	23 45	0 27	23 14	0 14	17 38	2 6	20 13	0 34	20 38	0 31	17 16	6 10	3 4	3 3	17 4	4 7	5 1		
F 3	22 55	21 18	3 26	21 55	1 11	14 46	1 41	23 48	0 28	23 14	0 14	17 38	2 6	20 13	0 34	20 39	0 31	17 17	6 10	3 2	3 2	17 1	4 7	5 1		
S 4	22 49	25 0	4 10	22 9	1 3	14 20	1 39	23 50	0 29	23 14	0 13	17 37	2 6	20 12	0 34	20 39	0 31	17 17	6 10	2 59	3 0	16 58	4 6	5 1		
S 5	22 43	27 24	4 40	22 22	0 54	13 53	1 36	23 53	0 29	23 14	0 13	17 37	2 6	20 11	0 34	20 39	0 31	17 17	6 10	2 55	2 59	16 55	4 5	5 1		
M 6	22 36	28 23	4 57	22 34	0 46	13 26	1 34	23 54	0 30	23 14	0 13	17 37	2 5	20 10	0 34	20 39	0 31	17 17	6 10	2 50	2 58	16 52	4 5	5 0		
T 7	22 29	27 56	4 59	22 46	0 37	12 59	1 31	23 56	0 31	23 14	0 13	17 36	2 5	20 10	0 34	20 40	0 31	17 17	6 10	2 44	2 57	16 49	4 4	5 0		
W 8	22 21	26 8	4 47	22 56	0 29	12 32	1 28	23 58	0 31	23 14	0 13	17 36	2 5	20 9	0 34	20 40	0 31	17 17	6 10	2 38	2 55	16 46	4 3	5 0		
T 9	22 13	23 10	4 23	23 6	0 21	12 4	1 25	23 59	0 32	23 14	0 13	17 36	2 5	20 8	0 34	20 40	0 31	17 17	6 10	2 33	2 54	16 44	4 3	5 0		
F 10	22 5	19 14	3 47	23 15	0 13	11 36	1 22	24 0	0 32	23 14	0 13	17 36	2 4	20 7	0 34	20 41	0 31	17 17	6 10	2 28	2 53	16 41	4 2	4 59		
S 11	21 56	14 36	3 1	23 22	0 5	11 8	1 19	24 0	0 33	23 14	0 13	17 35	2 4	20 6	0 34	20 41	0 31	17 17	6 10	2 25	2 52	16 38	4 1	4 59		
S 12	21 47	9 26	2 8	23 29	0s 3	10 40	1 15	24 1	0 34	23 13	0 13	17 35	2 4	20 6	0 34	20 41	0 31	17 17	6 9	2 23	2 50	16 35	4 0	4 59		
M13	21 37	3 56	1 9	23 34	0 11	10 11	1 12	24 1	0 34	23 13	0 13	17 35	2 4	20 5	0 34	20 42	0 31	17 17	6 9	2 22	2 49	16 32	3 59	4 58		
T 14	21 27	1n45	0 7	23 39	0 18	9 42	1 9	24 1	0 35	23 13	0 13	17 35	2 3	20 4	0 34	20 42	0 31	17 18	6 9	2 21	2 48	16 29	3 58	4 58		
W15	21 17	7 28	0n57	23 42	0 25	9 13	1 5	24 0	0 35	23 13	0 13	17 35	2 3	20 3	0 34	20 42	0 31	17 18	6 9	2 21	2 47	16 26	3 58	4 58		
T 16	21 6	13 1	2 0	23 44	0 32	8 44	1 1	24 0	0 36	23 13	0 12	17 35	2 3	20 2	0 34	20 43	0 31	17 18	6 9	2 21	2 45	16 23	3 57	4 58		
F 17	20 54	18 12	2 58	23 45	0 39	8 14	0 57	23 59	0 37	23 13	0 12	17 35	2 2	20 2	0 34	20 43	0 31	17 18	6 9	2 21	2 44	16 21	3 56	4 58		
S 18	20 43	22 43	3 50	23 44	0 46	7 44	0 53	23 57	0 37	23 12	0 12	17 35	2 2	20 1	0 34	20 43	0 31	17 18	6 9	2 20	2 43	16 18	3 55	4 57		
S 19	20 30	26 10	4 30	23 43	0 52	7 15	0 49	23 56	0 38	23 12	0 12	17 35	2 2	20 0	0 34	20 43	0 31	17 18	6 9	2 17	2 42	16 15	3 54	4 57		
M20	20 18	28 10	4 55	23 40	0 59	6 45	0 45	23 54	0 39	23 12	0 12	17 35	2 2	19 59	0 34	20 44	0 31	17 18	6 9	2 14	2 40	16 12	3 53	4 57		
T 21	20 5	28 18	5 3	23 36	1 5	6 15	0 41	23 53	0 39	23 11	0 12	17 35	2 1	19 58	0 34	20 44	0 31	17 18	6 8	2 10	2 39	16 9	3 52	4 57		
W22	19 52	26 24	4 50	23 30	1 11	5 44	0 37	23 50	0 40	23 11	0 12	17 35	2 1	19 58	0 34	20 44	0 31	17 18	6 8	2 6	2 38	16 6	3 51	4 56		
T 23	19 38	22 35	4 17	23 23	1 16	5 14	0 32	23 48	0 40	23 11	0 12	17 35	2 1	19 57	0 34	20 45	0 31	17 18	6 8	2 2	2 37	16 3	3 50	4 56		
F 24	19 24	17 14	3 26	23 15	1 21	4 44	0 28	23 45	0 41	23 10	0 12	17 35	2 1	19 56	0 34	20 45	0 31	17 19	6 8	1 59	2 35	16 0	3 49	4 56		
S 25	19 10	10 52	2 20	23 5	1 26	4 13	0 23	23 42	0 42	23 10	0 12	17 35	2 0	19 55	0 34	20 45	0 31	17 19	6 8	1 57	2 34	15 57	3 48	4 56		
S 26	18 55	4 0	1 6	22 54	1 31	3 43	0 18	23 39	0 42	23 10	0 12	17 36	2 0	19 54	0 34	20 46	0 31	17 19	6 8	1 56	2 33	15 54	3 47	4 56		
M27	18 40	2s55	0s11	22 42	1 36	3 12	0 13	23 36	0 43	23 9	0 12	17 36	2 0	19 53	0 34	20 46	0 31	17 19	6 8	1 56	2 31	15 51	3 46	4 55		
T 28	18 25	9 30	1 25	22 28	1 40	2 42	0 8	23 32	0 43	23 9	0 11	17 36	1 59	19 53	0 34	20 46	0 31	17 19	6 7	1 56	2 30	15 48	3 45	4 55		
W29	18 9	15 27	2 32	22 13	1 44	2 11	0 3	23 28	0 44	23 8	0 11	17 36	1 59	19 52	0 34	20 47	0 31	17 19	6 7	1 56	2 29	15 46	3 44	4 55		
T 30	17 53	20 31	3 29	21 56	1 48	1 40	0n 2	23 24	0 45	23 8	0 11	17 37	1 59	19 51	0 34	20 47	0 31	17 19	6 7	1 56	2 28	15 43	3 43	4 55		
F 31	17s36	24s28	4s14	21s38	1s51	1s10	0n 7	23s19	0s45	23s 7	0n11	17n37	1s59	19s50	0s34	20n47	0s31	17n20	6s 7	1n55	2n26	15s40	3s42	4n55		

ASTRODIENST EPHEMERIS for the year 1913

geocentric

FEBRUARY 1913

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 42 22	11 ³² 44	13 ²⁷ 28	3 ³⁸ 8	27 ¹⁷ 53	16 ²³ 3	6 ²³ 23	27 ¹⁸ 10	3 ³⁸ 58	24 ¹⁰ R10	28 ¹⁰ R18	4 ¹⁰ R46	6 ¹⁰ Y 5	26 ³⁸ 54	8 ¹⁰ X56	S 1
S 2	8 46 19	12 ³³ 38	25 ⁵⁴	4 ⁴⁷	28 ⁵⁸	16 ⁴⁹	6 ³⁶	27 ¹¹	4 ¹	24 ⁸ 8	28 ¹¹ 17	4 ¹⁰ Y39	6 ²	27 ¹	8 ⁵⁹	S 2
M 3	8 50 15	13 ³⁴ 31	8 ³¹ 10	6 ²⁷	0 ¹⁰ Y 2	17 ³⁴	6 ⁴⁸	27 ¹¹	4 ⁵	24 ⁷	28 ¹⁶	4 ³⁰	5 ⁵⁹	27 ⁷	9 ³	M 3
T 4	8 54 12	14 ³⁵ 23	20 ¹⁷	8 ⁷	1 ⁶	18 ²⁰	7 ⁰	27 ¹²	4 ⁸	24 ⁵	28 ¹⁵	4 ²⁰	5 ⁵⁶	27 ¹⁴	9 ⁷	T 4
W 5	8 58 8	15 ³⁶ 14	2 ³¹ 17	9 ⁴⁸	2 ⁹	19 ⁵	7 ¹³	27 ¹³	4 ¹²	24 ³	28 ¹⁵	4 ¹⁰	5 ⁵³	27 ²¹	9 ¹⁰	W 5
T 6	9 2 5	16 ³⁷ 03	14 ¹²	11 ³⁰	3 ¹²	19 ⁵⁰	7 ²⁵	27 ¹⁴	4 ¹⁵	24 ²	28 ¹⁴	4 ¹	5 ⁵⁰	27 ²⁷	9 ¹⁴	T 6
F 7	9 6 2	17 ³⁷ 52	26 ²	13 ¹²	4 ¹⁵	20 ³⁶	7 ³⁷	27 ¹⁵	4 ¹⁹	24 ⁰	28 ¹³	3 ⁵³	5 ⁴⁶	27 ³⁴	9 ¹⁷	F 7
S 8	9 9 58	18 ³⁸ 39	7 ¹⁰ 51	14 ⁵⁶	5 ¹⁸	21 ²²	7 ⁴⁹	27 ¹⁶	4 ²²	23 ⁵⁹	28 ¹²	3 ⁴⁷	5 ⁴³	27 ⁴¹	9 ²¹	S 8
S 9	9 13 55	19 ³⁹ 24	19 ³⁹	16 ⁴⁰	6 ²⁰	22 ⁷	8 ¹	27 ¹⁷	4 ²⁶	23 ⁵⁷	28 ¹²	3 ⁴⁴	5 ⁴⁰	27 ⁴⁷	9 ²⁵	S 9
M10	9 17 51	20 ⁴⁰ 09	1 ¹⁰ Y29	18 ²⁵	7 ²²	22 ⁵³	8 ¹³	27 ¹⁸	4 ²⁹	23 ⁵⁶	28 ¹¹	3 ⁴⁴ D42	5 ³⁷	27 ⁵⁴	9 ²⁸	M10
T 11	9 21 48	21 ⁴⁰ 51	13 ²⁵	20 ¹⁰	8 ²³	23 ³⁸	8 ²⁵	27 ²⁰	4 ³³	23 ⁵⁴	28 ¹⁰	3 ⁴³	5 ³⁴	28 ¹	9 ³²	T 11
W12	9 25 44	22 ⁴¹ 32	25 ³¹	21 ⁵⁷	9 ²⁴	24 ²⁴	8 ³⁶	27 ²¹	4 ³⁶	23 ⁵³	28 ¹⁰	3 ⁴⁴	5 ³⁰	28 ⁷	9 ³⁶	W12
T 13	9 29 41	23 ⁴² 12	7 ¹⁰ 51	23 ⁴⁴	10 ²⁵	25 ¹⁰	8 ⁴⁸	27 ²³	4 ³⁹	23 ⁵²	28 ⁹	3 ⁴⁶	5 ²⁷	28 ¹⁴	9 ³⁹	T 13
F 14	9 33 37	24 ⁴² 50	20 ²⁹	25 ³²	11 ²⁵	25 ⁵⁶	9 ⁰	27 ²⁵	4 ⁴³	23 ⁵⁰	28 ⁸	3 ⁴⁷ R47	5 ²⁴	28 ²¹	9 ⁴³	F 14
S 15	9 37 34	25 ⁴³ 26	3 ¹¹ 30	27 ²¹	12 ²⁴	26 ⁴¹	9 ¹¹	27 ²⁷	4 ⁴⁶	23 ⁴⁹	28 ⁸	3 ⁴⁷	5 ²¹	28 ²⁷	9 ⁴⁷	S 15
S 16	9 41 31	26 ⁴⁴ 00	16 ⁵⁷	29 ¹¹	13 ²⁴	27 ²⁷	9 ²³	27 ²⁹	4 ⁴⁹	23 ⁴⁷	28 ⁷	3 ⁴⁵	5 ¹⁸	28 ³⁴	9 ⁵⁰	S 16
M17	9 45 27	27 ⁴⁴ 33	0 ¹⁰ 54	1 ¹⁰ X 1	14 ²²	28 ¹³	9 ³⁴	27 ³¹	4 ⁵³	23 ⁴⁶	28 ⁷	3 ⁴¹	5 ¹⁵	28 ⁴¹	9 ⁵⁴	M17
T 18	9 49 24	28 ⁴⁵ 04	15 ¹⁹	2 ⁵²	15 ²¹	28 ⁵⁹	9 ⁴⁵	27 ³³	4 ⁵⁶	23 ⁴⁵	28 ⁶	3 ³⁷	5 ¹¹	28 ⁴⁷	9 ⁵⁸	T 18
W19	9 53 20	29 ⁴⁵ 33	0 ¹⁰ 8	4 ⁴⁴	16 ¹⁸	29 ⁴⁵	9 ⁵⁶	27 ³⁵	4 ⁵⁹	23 ⁴³	28 ⁶	3 ³²	5 ⁸	28 ⁵⁴	10 ²	W19
T 20	9 57 17	0 ¹⁰ X4600	15 ¹⁶	6 ³⁶	17 ¹⁵	0 ¹⁰ 31	10 ⁷	27 ³⁸	5 ³	23 ⁴²	28 ⁵	3 ²⁷	5 ⁵	29 ¹	10 ⁶	T 20
F 21	10 1 13	1 ⁴⁶ 26	0 ¹⁰ 33	8 ²⁸	18 ¹²	1 ¹⁷	10 ¹⁸	27 ⁴⁰	5 ⁶	23 ⁴¹	28 ⁵	3 ²³	5 ²	29 ⁷	10 ⁹	F 21
S 22	10 5 10	2 ⁴⁶ 49	15 ⁴⁸	10 ²¹	19 ⁸	2 ²	10 ²⁹	27 ⁴³	5 ⁹	23 ⁴⁰	28 ⁴	3 ²⁰	4 ⁵⁹	29 ¹⁴	10 ¹³	S 22
S 23	10 9 6	3 ⁴⁷ 11	0 ¹⁰ 52	12 ¹³	20 ³	2 ⁴⁸	10 ⁴⁰	27 ⁴⁶	5 ¹²	23 ³⁸	28 ⁴	3 ¹⁹ D19	4 ⁵⁵	29 ²¹	10 ¹⁷	S 23
M24	10 13 3	4 ⁴⁷ 32	15 ³⁵	14 ⁶	20 ⁵⁸	3 ³⁴	10 ⁵¹	27 ⁴⁹	5 ¹⁵	23 ³⁷	28 ⁴	3 ²⁰	4 ⁵²	29 ²⁷	10 ²¹	M24
T 25	10 17 0	5 ⁴⁷ 51	29 ⁵⁴	15 ⁵⁸	21 ⁵²	4 ²⁰	11 ¹	27 ⁵¹	5 ¹⁹	23 ³⁶	28 ³	3 ²¹	4 ⁴⁹	29 ³⁴	10 ²⁵	T 25
W26	10 20 56	6 ⁴⁸ 09	13 ¹⁰ 45	17 ⁵⁰	22 ⁴⁶	5 ⁷	11 ¹²	27 ⁵⁴	5 ²²	23 ³⁵	28 ³	3 ²³	4 ⁴⁶	29 ⁴¹	10 ²⁸	W26
T 27	10 24 53	7 ⁴⁸ 25	27 ¹⁰	19 ⁴¹	23 ³⁸	5 ⁵³	11 ²²	27 ⁵⁸	5 ²⁵	23 ³⁴	28 ³	3 ²⁴	4 ⁴³	29 ⁴⁷	10 ³²	T 27
F 28	10 28 49	8 ⁴⁸ 40	10 ¹⁰ 10	21 ¹⁰ X31	24 ¹⁰ Y31	6 ³⁹	11 ¹⁰ 33	28 ¹⁰ 8	5 ²⁸	23 ³³	28 ¹⁰ 2	3 ¹⁰ R24	4 ¹⁰ Y40	29 ³⁴ 54	10 ¹⁰ X36	F 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s20	27s 9	4s45	21s19	1s54	0s39	0n12	23s15	0s46	23s 7	0n11	17n37	1s58	19s49	0s34	20n47	0s31	17n20	6s 7	1n54	2n25	15s37	3s40	4n54			
S 2	17 3	28 26	5 3	20 58	1 57	0 8	0 18	23 10	0 46	23 6	0 11	17 38	1 58	19 49	0 34	20 48	0 31	17 20	6 7	1 51	2 24	15 34	3 39	4 54			
M 3	16 46	28 17	5 5	20 36	1 59	0n22	0 23	23 4	0 47	23 6	0 11	17 38	1 58	19 48	0 34	20 48	0 31	17 20	6 7	1 47	2 23	15 31	3 38	4 54			
T 4	16 28	26 46	4 54	20 12	2 1	0 53	0 29	22 59	0 47	23 5	0 11	17 38	1 57	19 47	0 34	20 48	0 31	17 20	6 6	1 43	2 21	15 28	3 37	4 54			
W 5	16 10	24 3	4 31	19 46	2 3	1 23	0 35	22 53	0 48	23 5	0 11	17 39	1 57	19 46	0 34	20 49	0 31	17 20	6 6	1 39	2 20	15 25	3 36	4 54			
T 6	15 52	20 19	3 55	19 20	2 4	1 54	0 41	22 47	0 49	23 4	0 11	17 39	1 57	19 45	0 34	20 49	0 30	17 20	6 6	1 36	2 19	15 22	3 35	4 54			
F 7	15 33	15 49	3 9	18 51	2 5	2 24	0 46	22 41	0 49	23 3	0 11	17 40	1 57	19 44	0 34	20 49	0 30	17 21	6 6	1 33	2 18	15 19	3 33	4 53			
S 8	15 15	10 43	2 15	18 22	2 5	2 54	0 52	22 35	0 50	23 3	0 11	17 40	1 56	19 44	0 34	20 49	0 30	17 21	6 6	1 30	2 16	15 16	3 32	4 53			
S 9	14 56	5 16	1 15	17 50	2 5	3 25	0 58	22 28	0 50	23 2	0 11	17 41	1 56	19 43	0 34	20 50	0 30	17 21	6 6	1 29	2 15	15 13	3 31	4 53			
M10	14 37	0n25	0 12	17 18	2 5	3 55	1 5	22 21	0 51	23 2	0 10	17 41	1 56	19 42	0 34	20 50	0 30	17 21	6 5	1 28	2 14	15 10	3 30	4 53			
T 11	14 17	6 7	0n53	16 44	2 4	4 25	1 11	22 14	0 51	23 1	0 10	17 42	1 55	19 41	0 34	20 50	0 30	17 21	6 5	1 29	2 13	15 7	3 29	4 53			
W12	13 58	11 40	1 56	16 8	2 3	4 54	1 17	22 6	0 52	23 0	0 10	17 43	1 55	19 40	0 34	20 51	0 30	17 21	6 5	1 29	2 11	15 4	3 27	4 53			
T 13	13 38	16 53	2 55	15 31	2 1	5 24	1 23	21 59	0 53	22 59	0 10	17 43	1 55	19 40	0 34	20 51	0 30	17 21	6 5	1 30	2 10	15 1	3 26	4 53			
F 14	13 17	21 32	3 47	14 52	1 58	5 54	1 30	21 51	0 53	22 59	0 10	17 44	1 55	19 39	0 34	20 51	0 30	17 22	6 5	1 30	2 9	14 58	3 25	4 52			
S 15	12 57	25 16	4 29	14 12	1 56	6 23	1 36	21 43	0 54	22 58	0 10	17 45	1 54	19 38	0 34	20 51	0 30	17 22	6 5	1 30	2 8	14 55	3 23	4 52			
S 16	12 37	27 46	4 58	13 31	1 52	6 52	1 43	21 34	0 54	22 57	0 10	17 45	1 54	19 37	0 34	20 52	0 30	17 22	6 4	1 29	2 6	14 52	3 22	4 52			
M17	12 16	28 38	5 11	12 48	1 48	7 21	1 49	21 26	0 55	22 57	0 10	17 46	1 54	19 36	0 34	20 52	0 30	17 22	6 4	1 28	2 5	14 49	3 21	4 52			
T 18	11 55	27 38	5 5	12 4	1 44	7 50	1 56	21 17	0 55	22 56	0 10	17 47	1 53	19 36	0 34	20 52	0 30	17 22	6 4	1 26	2 4	14 46	3 20	4 52			
W19	11 34	24 40	4 39	11 19	1 39	8 18	2 3	21 8	0 56	22 55	0 10	17 48	1 53	19 35	0 34	20 52	0 30	17 22	6 4	1 24	2 3	14 43	3 18	4 52			
T 20	11 12	19 58	3 53	10 32	1 33	8 47	2 10	20 58	0 56	22 54	0 10	17 49	1 53	19 34	0 34	20 53	0 30	17 23	6 4	1 22	2 1	14 40	3 17	4 52			
F 21	10 51	13 56	2 50	9 45	1 27	9 15	2 16	20 49	0 57	22 54	0 10	17 49	1 53	19 33	0 34	20 53	0 30	17 23	6 4	1 21	2 0	14 37	3 16	4 52			
S 22	10 29	7 3	1 35	8 56	1 20	9 42	2 23	20 39	0 58	22 53	0 9	17 50	1 52	19 33	0 34	20 53	0 30	17 23	6 3	1 20	1 59	14 34	3 14	4 52			
S 23	10 8	0s 8	0 13	8 6	1 13	10 10	2 30	20 29	0 58	22 52	0 9	17 51	1 52	19 32	0 34	20 53	0 30	17 23	6 3	1 19	1 57	14 31	3 13	4 52			
M24	9 46	7 10	1s 7	7 15	1 4	10 37	2 37	20 19	0 59	22 51	0 9	17 52	1 52	19 31	0 34	20 54	0 30	17 23	6 3	1 19	1 56	14 28	3 12	4 51			
T 25	9 23	13 38	2 21	6 23	0 56	11 4	2 44	20 9	0 59	22 51	0 9	17 53	1 52	19 30	0 34	20 54	0 30	17 23	6 3	1 20	1 55	14 25	3 10	4 51			
W26	9 1	19 13	3 24	5 31	0 46	11 31	2 51	19 58	1 0	22 50	0 9	17 54	1 51	19 30	0 34	20 54	0 30	17 24	6 3	1 21	1 54	14 22	3 9	4 51			
T 27	8 39	23 39	4 14	4 39	0 36	11 57	2 59	19 47	1 0	22 49	0 9	17 55	1 51	19 29	0 34	20 54	0 30	17 24	6 3	1 21	1 52	14 19	3 8	4 51			
F 28	8s16	26s45	4s49	3s46	0s26	12n23	3n 6	19s36	1s 1	22s48	0n 9	17n56	1s51	19s28	0s34	20n54	0s30	17n24	6s 2	1n21	1n51	14s16	3s 6	4n51			

ASTRODIENST EPHEMERIS for the year 1913
geocentric

MARCH 1913

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 32 46	9♂48'54	22♂49	23♂19	25♂22	7♂25	11♂43	28♂4	5♂31	23°R31	28°R 2	3°R23	4°Y36	0♂1	10♂40	S 1
S 2	10 36 42	10°49'06	5♂11	25° 5	26°13	8°11	11°53	28° 8	5°34	23°30	28°II 2	3°Y22	4°33	0° 7	10°44	S 2
M 3	10 40 39	11°49'16	17°20	26°48	27° 2	8°57	12° 3	28°11	5°37	23°29	28° 1	3°19	4°30	0°14	10°47	M 3
T 4	10 44 35	12°49'25	29°20	28°29	27°51	9°43	12°13	28°15	5°40	23°28	28° 1	3°16	4°27	0°21	10°51	T 4
W 5	10 48 32	13°49'32	11♂13	0°Y 6	28°40	10°30	12°23	28°19	5°43	23°27	28° 1	3°12	4°24	0°27	10°55	W 5
T 6	10 52 29	14°49'37	23° 2	1°38	29°27	11°16	12°33	28°22	5°46	23°26	28° 1	3° 9	4°21	0°34	10°59	T 6
F 7	10 56 25	15°49'40	4♂50	3° 7	0♂13	12° 2	12°42	28°26	5°49	23°26	28° 1	3° 7	4°17	0°41	11° 3	F 7
S 8	11 0 22	16°49'42	16°40	4°30	0°59	12°48	12°52	28°30	5°52	23°25	28° 1	3° 5	4°14	0°47	11° 6	S 8
S 9	11 4 18	17°49'42	28°32	5°47	1°43	13°34	13° 1	28°34	5°55	23°24	28° 1	3°D 4	4°11	0°54	11°10	S 9
M10	11 8 15	18°49'39	10°Y30	6°58	2°26	14°21	13°10	28°39	5°57	23°23	28° 0	3° 4	4° 8	1° 1	11°14	M10
T 11	11 12 11	19°49'35	22°35	8° 3	3° 9	15° 7	13°19	28°43	6° 0	23°22	28° 0	3° 5	4° 5	1° 7	11°18	T 11
W12	11 16 8	20°49'28	4♂50	9° 0	3°50	15°53	13°28	28°47	6° 3	23°21	28° 0	3° 6	4° 1	1°14	11°22	W12
T 13	11 20 4	21°49'20	17°17	9°50	4°30	16°40	13°37	28°52	6° 6	23°21	28°D 0	3° 7	3°58	1°21	11°25	T 13
F 14	11 24 1	22°49'09	0°II 0	10°31	5° 9	17°26	13°46	28°56	6° 8	23°20	28° 0	3° 8	3°55	1°27	11°29	F 14
S 15	11 27 57	23°48'56	13° 1	11° 5	5°46	18°12	13°54	29° 1	6°11	23°19	28° 0	3° 9	3°52	1°34	11°33	S 15
S 16	11 31 54	24°48'41	26°24	11°31	6°23	18°59	14° 3	29° 6	6°14	23°19	28° 0	3°R 9	3°49	1°41	11°37	S 16
M17	11 35 51	25°48'24	10♂10	11°48	6°58	19°45	14°11	29°10	6°16	23°18	28° 1	3° 9	3°46	1°47	11°40	M17
T 18	11 39 47	26°48'04	24°19	11°56	7°31	20°31	14°19	29°15	6°19	23°18	28° 1	3° 8	3°42	1°54	11°44	T 18
W19	11 43 44	27°47'42	8♂21	11°R56	8° 3	21°18	14°28	29°20	6°21	23°17	28° 1	3° 8	3°39	2° 1	11°48	W19
T 20	11 47 40	28°47'18	23°40	11°49	8°34	22° 4	14°35	29°25	6°24	23°16	28° 1	3° 7	3°36	2° 7	11°51	T 20
F 21	11 51 37	29°46'51	8♂42	11°33	9° 3	22°51	14°43	29°30	6°26	23°16	28° 1	3° 7	3°33	2°14	11°55	F 21
S 22	11 55 33	0°Y46'23	23°47	11°11	9°30	23°37	14°51	29°35	6°28	23°16	28° 1	3° 7	3°30	2°21	11°59	S 22
S 23	11 59 30	1°45'52	8♂47	10°41	9°56	24°23	14°59	29°41	6°31	23°15	28° 2	3°D 7	3°27	2°27	12° 2	S 23
M24	12 3 26	2°45'19	23°34	10° 6	10°20	25°10	15° 6	29°46	6°33	23°15	28° 2	3°R 7	3°23	2°34	12° 6	M24
T 25	12 7 23	3°44'44	8♂0	9°26	10°42	25°56	15°13	29°51	6°35	23°14	28° 2	3° 7	3°20	2°41	12°10	T 25
W26	12 11 20	4°44'07	22° 2	8°41	11° 2	26°43	15°20	29°57	6°38	23°14	28° 2	3° 6	3°17	2°47	12°13	W26
T 27	12 15 16	5°43'29	5♂37	7°53	11°20	27°29	15°27	0°II 3	6°40	23°14	28° 3	3° 6	3°14	2°54	12°17	T 27
F 28	12 19 13	6°42'49	18°45	7° 3	11°36	28°16	15°34	0° 8	6°42	23°13	28° 3	3° 6	3°11	3° 1	12°20	F 28
S 29	12 23 9	7°42'07	1♂30	6°12	11°51	29° 2	15°41	0°14	6°44	23°13	28° 3	3° 6	3° 7	3° 7	12°24	S 29
S 30	12 27 6	8°41'24	13°55	5°21	12° 3	29°49	15°47	0°20	6°46	23°13	28° 4	3°D 6	3° 4	3°14	12°27	S 30
M31	12 31 2	9°Y40'38	26♂3	4°Y31	12♂13	0♂35	15♂54	0°II25	6♂48	23°13	28°II 4	3°Y 6	3°Y 1	3♂21	12♂31	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	7s54	28s24	5s 9	2s53	0s14	12n49	3n13	19s25	1s 1	22s47	0n 9	17n57	1s51	19s27	0s34	20n55
S 2	7 31	28 35	5 14	2 0	0 3	13 14	3 20	19 13	1 2	22 47	0 9	17 58	1 50	19 27	0 34	20 55
M 3	7 8	27 22	5 5	1 8	0n10	13 39	3 27	19 2	1 2	22 46	0 9	17 59	1 50	19 26	0 34	20 55
T 4	6 45	24 55	4 43	0 16	0 22	14 3	3 35	18 50	1 3	22 45	0 9	18 0	1 50	19 25	0 34	20 55
W 5	6 22	21 24	4 8	0n35	0 35	14 28	3 42	18 38	1 3	22 44	0 9	18 1	1 50	19 24	0 34	20 55
T 6	5 59	17 3	3 23	1 24	0 49	14 51	3 49	18 26	1 4	22 43	0 8	18 2	1 49	19 24	0 34	20 56
F 7	5 36	12 4	2 30	2 11	1 2	15 15	3 57	18 13	1 4	22 42	0 8	18 3	1 49	19 23	0 34	20 56
S 8	5 12	6 39	1 30	2 57	1 16	15 38	4 4	18 1	1 5	22 41	0 8	18 4	1 49	19 22	0 34	20 56
S 9	4 49	0 58	0 25	3 40	1 30	16 0	4 11	17 48	1 5	22 41	0 8	18 5	1 49	19 22	0 34	20 56
M10	4 25	4n47	0n41	4 21	1 43	16 22	4 19	17 35	1 6	22 40	0 8	18 6	1 48	19 21	0 34	20 56
T 11	4 2	10 26	1 46	4 59	1 56	16 44	4 26	17 22	1 6	22 39	0 8	18 8	1 48	19 20	0 34	20 56
W12	3 38	15 46	2 47	5 33	2 9	17 5	4 33	17 8	1 6	22 38	0 8	18 9	1 48	19 20	0 35	20 57
T 13	3 15	20 32	3 41	6 4	2 22	17 25	4 41	16 55	1 7	22 38	0 8	18 10	1 48	19 19	0 35	20 57
F 14	2 51	24 29	4 26	6 32	2 34	17 46	4 48	16 41	1 7	22 37	0 8	18 11	1 47	19 18	0 35	20 57
S 15	2 27	27 18	4 58	6 55	2 45	18 5	4 55	16 27	1 8	22 36	0 8	18 12	1 47	19 18	0 35	20 57
S 16	2 4	28 39	5 15	7 14	2 55	18 24	5 2	16 13	1 8	22 35	0 8	18 14	1 47	19 17	0 35	20 57
M17	1 40	28 18	5 15	7 29	3 4	18 42	5 9	15 59	1 9	22 34	0 8	18 15	1 47	19 17	0 35	20 57
T 18	1 16	26 7	4 56	7 40	3 12	19 0	5 16	15 45	1 9	22 34	0 7	18 16	1 46	19 16	0 35	20 57
W19	0 53	22 12	4 18	7 46	3 19	19 17	5 23	15 30	1 9	22 33	0 7	18 18	1 46	19 15	0 35	20 57
T 20	0 29	16 49	3 22	7 48	3 24	19 34	5 30	15 16	1 10	22 32	0 7	18 19	1 46	19 15	0 35	20 58
F 21	0 5	10 21	2 12	7 45	3 27	19 50	5 37	15 1	1 10	22 31	0 7	18 20	1 46	19 14	0 35	20 58
S 22	0n18	3 15	0 52	7 38	3 29	20 5	5 43	14 46	1 11	22 30	0 7	18 21	1 45	19 14	0 35	20 58
S 23	0 42	3s58	0s32	7 27	3 29	20 19	5 50	14 31	1 11	22 30	0 7	18 23	1 45	19 13	0 35	20 58
M24	1 6	10 53	1 51	7 11	3 28	20 33	5 56	14 16	1 12	22 29	0 7	18 24	1 45	19 12	0 35	20 58
T 25	1 29	17 3	3 2	6 52	3 24	20 46	6 2	14 0	1 12	22 28	0 7	18 25	1 45	19 12	0 35	20 58
W26	1 53	22 9	4 0	6 30	3 19	20 58	6 8	13 45	1 12	22 28	0 7	18 27	1 45	19 11	0 35	20 58
T 27	2 17	25 52	4 42	6 4	3 12	21 10	6 14	13 29	1 13	22 27	0 7	18 28	1 44	19 11	0 35	20 58
F 28	2 40	28 5	5 8	5 36	3 3	21 20	6 20	13 14	1 13	22 26	0 7	18 30	1 44	19 10	0 35	20 58
S 29	3 3	28 44	5 17	5	2 53	21 30	6 25	12 58	1 13	22 25	0 6	18 31	1 44	19 10	0 35	20 58
S 30	3 27	27 54	5 12	4 36	2 41	21 38	6 30	12 42	1 14	22 25	0 6	18 32	1 44	19 9	0 35	20 58
M31	3n50	25s44	4s53	4n 4	2n29	21n46	6n35	12s26	1s14	22s24	0n 6	18n34	1s44	19s 9	0s35	20n58

Julian Day Number = 2419827.5, Delta T = 15.26 sec
Ecliptic obliquity = 23°27'11, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°31'39, Lahiri = 22°38'39

ASTRODIENST EPHEMERIS for the year 1913

geocentric

APRIL 1913

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day	
T 1	12 34 59	10°39'51	8°1	3°R43	12°20	1°22	16°3	0°11	31	6°50	23°R13	28°11	5	3°7	2°58	3°27	12°34	T 1
W 2	12 38 55	11°39'02	19°51	2°Y57	12°26	2°8	16°6	0°37		6°52	23°13	28°5	5	3°7	2°55	3°34	12°38	W 2
T 3	12 42 52	12°38'11	1°39	2°15	12°29	2°55	16°12	0°43		6°54	23°13	28°5	5	3°8	2°52	3°41	12°41	T 3
F 4	12 46 49	13°37'18	13°27	1°37	12°R30	3°41	16°18	0°49		6°56	23°D13	28°6	6	3°9	2°48	3°47	12°45	F 4
S 5	12 50 45	14°36'23	25°20	1°4	12°28	4°27	16°23	0°56		6°58	23°13	28°6	6	3°10	2°45	3°54	12°48	S 5
S 6	12 54 42	15°35'26	7°Y20	0°35	12°24	5°14	16°29	1°2	7°0	23°13	28°7	3°R10		2°42	4°1	12°51	S 6	
M 7	12 58 38	16°34'27	19°28	0°12	12°18	6°0	16°34	1°8	7°2	23°13	28°8	3°9		2°39	4°7	12°55	M 7	
T 8	13 2 35	17°33'26	1°48	29°X54	12°9	6°47	16°39	1°14	7°3	23°13	28°8	3°8		2°36	4°14	12°58	T 8	
W 9	13 6 31	18°32'24	14°19	29°41	11°57	7°33	16°44	1°21	7°5	23°13	28°9	3°6		2°32	4°21	13°1	W 9	
T 10	13 10 28	19°31'19	27°3	29°34	11°43	8°20	16°49	1°27	7°7	23°13	28°9	3°4		2°29	4°27	13°4	T 10	
F 11	13 14 24	20°30'12	10°II 0	29°D32	11°27	9°6	16°53	1°34	7°8	23°13	28°10	3°1		2°26	4°34	13°8	F 11	
S 12	13 18 21	21°29'02	23°13	29°36	11°8	9°53	16°58	1°40	7°10	23°14	28°11	2°59		2°23	4°41	13°11	S 12	
S 13	13 22 18	22°27'51	6°41	29°44	10°47	10°39	17°2	1°47	7°11	23°14	28°11	2°58		2°20	4°47	13°14	S 13	
M14	13 26 14	23°26'37	20°24	29°58	10°24	11°25	17°6	1°54	7°13	23°14	28°12	2°D57		2°17	4°54	13°17	M14	
T 15	13 30 11	24°25'21	4°N24	0°Y17	9°58	12°12	17°10	2°0	7°14	23°15	28°13	2°57		2°13	5°1	13°20	T 15	
W16	13 34 7	25°24'02	18°38	0°40	9°31	12°58	17°14	2°7	7°15	23°15	28°13	2°58		2°10	5°7	13°23	W16	
T 17	13 38 4	26°22'42	3°M 6	1°7	9°1	13°44	17°17	2°14	7°17	23°15	28°14	3°0		2°7	5°14	13°26	T 17	
F 18	13 42 0	27°21'19	17°43	1°39	8°30	14°31	17°21	2°21	7°18	23°16	28°15	3°1		2°4	5°21	13°29	F 18	
S 19	13 45 57	28°19'53	2°26	2°15	7°57	15°17	17°24	2°28	7°19	23°16	28°16	3°R 1		2°1	5°27	13°32	S 19	
S 20	13 49 53	29°18'26	17°7	2°55	7°23	16°3	17°27	2°34	7°20	23°17	28°17	3°1		1°58	5°34	13°35	S 20	
M21	13 53 50	0°B16'57	1°M40	3°38	6°47	16°50	17°30	2°41	7°21	23°17	28°17	2°59		1°54	5°41	13°38	M21	
T 22	13 57 47	1°15'26	15°59	4°25	6°11	17°36	17°32	2°48	7°22	23°18	28°18	2°56		1°51	5°47	13°41	T 22	
W23	14 1 43	2°13'53	29°59	5°16	5°33	18°22	17°35	2°56	7°23	23°19	28°19	2°51		1°48	5°54	13°44	W23	
T 24	14 5 40	3°12'19	13°X35	6°9	4°56	19°9	17°37	3°3	7°24	23°19	28°20	2°47		1°45	6°1	13°46	T 24	
F 25	14 9 36	4°10'42	26°48	7°6	4°18	19°55	17°39	3°10	7°25	23°20	28°21	2°42		1°42	6°7	13°49	F 25	
S 26	14 13 33	5°9'05	9°Z37	8°6	3°40	20°41	17°41	3°17	7°26	23°21	28°22	2°39		1°38	6°14	13°52	S 26	
S 27	14 17 29	6°7'25	22°5	9°8	3°2	21°27	17°43	3°24	7°27	23°21	28°23	2°36		1°35	6°21	13°54	S 27	
M28	14 21 26	7°5'44	4°A16	10°14	2°25	22°14	17°45	3°31	7°28	23°22	28°24	2°D35		1°32	6°27	13°57	M28	
T 29	14 25 22	8°4'02	16°14	11°22	1°49	23°0	17°46	3°39	7°28	23°23	28°25	2°35		1°29	6°34	14°0	T 29	
W30	14 29 19	9°B 2'18	28°A 5	12°Y32	1°B14	23°X46	17°Z47	3°II46	7°A29	23°24	28°II26	2°Y37		1°Y26	6°X41	14°X 2	W30	

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n13	22s28	4s21	3n32	2n15	21n53	6n40	12s 9	1s14	22s23	0n 6	18n35	1s43	19s 8	0s35	20n59	0s29	17n30	5s56	1n14	1n11	12s37	2s21	4n51
W 2	4 37	18 19	3 38	3 1	2 0	21 59	6 44	11 53	1 15	22 23	0 6	18 37	1 43	19 8	0 35	20 59	0 29	17 30	5 56	1 15	1 10	12 34	2 20	4 51
T 3	5 0	13 29	2 46	2 30	1 44	22 3	6 48	11 37	1 15	22 22	0 6	18 38	1 43	19 7	0 35	20 59	0 29	17 30	5 56	1 15	1 8	12 30	2 19	4 52
F 4	5 23	8 9	1 47	2 0	1 29	22 7	6 51	11 20	1 15	22 22	0 6	18 39	1 43	19 7	0 35	20 59	0 29	17 31	5 56	1 15	1 7	12 27	2 17	4 52
S 5	5 46	2 31	0 43	1 32	1 13	22 9	6 54	11 3	1 16	22 21	0 6	18 41	1 43	19 7	0 35	20 59	0 29	17 31	5 56	1 16	1 6	12 24	2 16	4 52
S 6	6 8	3n16	0n23	1 6	0 56	22 10	6 57	10 47	1 16	22 20	0 6	18 42	1 42	19 6	0 35	20 59	0 29	17 31	5 56	1 16	1 4	12 21	2 15	4 52
M 7	6 31	9 0	1 29	0 42	0 40	22 10	6 59	10 30	1 16	22 20	0 6	18 44	1 42	19 6	0 35	20 59	0 29	17 31	5 55	1 15	1 3	12 18	2 13	4 52
T 8	6 54	14 29	2 32	0 20	0 24	22 9	7 1	10 13	1 17	22 19	0 6	18 45	1 42	19 5	0 35	20 59	0 29	17 31	5 55	1 15	1 2	12 15	2 12	4 52
W 9	7 16	19 27	3 28	0 1	0 9	22 6	7 2	9 56	1 17	22 19	0 5	18 47	1 42	19 5	0 35	20 59	0 29	17 31	5 55	1 14	1 1	12 11	2 11	4 52
T 10	7 39	23 39	4 16	0s16	0s 6	22 2	7 2	9 39	1 17	22 18	0 5	18 48	1 42	19 5	0 35	20 59	0 29	17 32	5 55	1 13	0 59	12 8	2 9	4 52
F 11	8 1	26 45	4 51	0 30	0 21	21 57	7 2	9 21	1 17	22 18	0 5	18 50	1 42	19 4	0 35	20 59	0 29	17 32	5 55	1 12	0 58	12 5	2 8	4 52
S 12	8 23	28 27	5 11	0 42	0 35	21 50	7 1	9 4	1 18	22 17	0 5	18 51	1 41	19 4	0 35	20 59	0 29	17 32	5 54	1 11	0 57	12 2	2 7	4 52
S 13	8 45	28 31	5 15	0 51	0 49	21 42	7 0	8 47	1 18	22 17	0 5	18 53	1 41	19 4	0 35	20 59	0 29	17 32	5 54	1 11	0 56	11 59	2 5	4 52
M14	9 7	26 52	5 1	0 57	1 2	21 33	6 58	8 29	1 18	22 17	0 5	18 54	1 41	19 3	0 36	20 59	0 29	17 32	5 54	1 10	0 54	11 56	2 4	4 53
T 15	9 28	23 32	4 29	1 1	1 14	21 22	6 55	8 12	1 18	22 16	0 5	18 56	1 41	19 3	0 36	20 59	0 29	17 33	5 54	1 10	0 53	11 52	2 3	4 53
W16	9 50	18 45	3 41	1 3	1 26	21 9	6 51	7 54	1 19	22 16	0 5	18 57	1 41	19 3	0 36	20 59	0 29	17 33	5 54	1 11	0 52	11 49	2 1	4 53
T 17	10 11	12 49	2 37	1 2	1 36	20 55	6 47	7 37	1 19	22 16	0 5	18 59	1 41	19 2	0 36	20 59	0 29	17 33	5 54	1 11	0 51	11 46	2 0	4 53
F 18	10 32	6 8	1 23	0 58	1 47	20 40	6 42	7 19	1 19	22 15	0 5	19 0	1 40	19 2	0 36	20 58	0 29	17 33	5 53	1 12	0 49	11 43	1 59	4 53
S 19	10 53	0s55	0 3	0 53	1 56	20 24	6 36	7 1	1 19	22 15	0 4	19 2	1 40	19 2	0 36	20 58	0 29	17 33	5 53	1 12	0 48	11 40	1 58	4 53
S 20	11 14	7 54	1s17	0 45	2 5	20 6	6 29	6 43	1 19	22 15	0 4	19 3	1 40	19 1	0 36	20 58	0 29	17 33	5 53	1 12	0 47	11 36	1 56	4 53
M21	11 35	14 25	2 31	0 35	2 13	19 47	6 21	6 26	1 20	22 14	0 4	19 5	1 40	19 1	0 36	20 58	0 29	17 34	5 53	1 11	0 46	11 33	1 55	4 54
T 22	11 55	20 3	3 34	0 23	2 20	19 27	6 13	6 8	1 20	22 14	0 4	19 6	1 40	19 1	0 36	20 58	0 29	17 34	5 53	1 10	0 44	11 30	1 54	4 54
W23	12 15	24 26	4 23	0 9	2 27	19 6	6 4	5 50	1 20	22 14	0 4	19 8	1 40	19 1	0 36	20 58	0 29	17 34	5 53	1 8	0 43	11 27	1 53	4 54
T 24	12 35	27 20	4 55	0n 7	2 33	18 44	5 54	5 32	1 20	22 14	0 4	19 9	1 39	19 1	0 36	20 58	0 29	17 34	5 52	1 6	0 42	11 24	1 52	4 54
F 25	12 55	28 36	5 11	0 24	2 38	18 21	5 44	5 14	1 20	22 14	0 4	19 11	1 39	19 0	0 36	20 58	0 29	17 34	5 52	1 5	0 40	11 20	1 50	4 54
S 26	13 15	28 16	5 10	0 44	2 42	17 58	5 33	4 56	1 20	22 13	0 4	19 12	1 39	19 0	0 36	20 58	0 29	17 34	5 52	1 3	0 39	11 17	1 49	4 54
S 27	13 34	26 29	4 55	1 5	2 46	17 34	5 21	4 37	1 21	22 13	0 4	19 14	1 39	19 0	0 36	20 58	0 29	17 35	5 52	1 2	0 38	11 14	1 48	4 54
M28	13 53	23 31	4 26	1 27	2 49	17 9	5 9	4 19	1 21	22 13	0 3	19 15	1 39	19 0	0 36	20 58	0 28	17 35	5 52	1 2	0 37	11 11	1 47	4 55
T 29	14 12	19 35	3 47	1 51	2 52	16 45	4 57	4 1	1 21	22 13	0 3	19 17	1 39	19 0	0 36	20 58	0 28	17 35	5 52	1 2	0 35	11 7	1 46	4 55
W30	14n31	14s55	2s48	2n17	2s54	16n20	4n43	3s43	1s21	22s13	0n 3	19n18	1s39	19s 0	0s36	20n57	0s28	17n35	5s52	1n 2	0n34	11s 4	1s45	4n55

ASTRODIENST EPHEMERIS for the year 1913

geocentric

MAY 1913

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 33 16	10♂ 0'32	9♂53	13♂45	0°R40	24♂32	17♂48	3♂53	7♂29	23♂25	28♂27	2♂38	1♂23	6♂47	14♂ 5	T 1
F 2	14 37 12	10°58'45	21°44	15° 0	0♂ 7	25°18	17°49	4° 1	7°30	23°26	28°28	2°40	1°19	6°54	14° 7	F 2
S 3	14 41 9	11°56'56	3♂41	16°18	29♂36	26° 4	17°50	4° 8	7°31	23°26	28°29	2°R40	1°16	7° 1	14° 9	S 3
S 4	14 45 5	12°55'06	15°48	17°38	29° 6	26°50	17°50	4°16	7°31	23°27	28°30	2°39	1°13	7° 7	14°12	S 4
M 5	14 49 2	13°53'14	28° 8	19° 0	28°39	27°36	17°50	4°23	7°31	23°28	28°31	2°37	1°10	7°14	14°14	M 5
T 6	14 52 58	14°51'20	10♂44	20°24	28°13	28°22	17°R50	4°31	7°32	23°29	28°32	2°32	1° 7	7°21	14°16	T 6
W 7	14 56 55	15°49'25	23°35	21°51	27°50	29° 8	17°50	4°38	7°32	23°30	28°33	2°26	1° 4	7°27	14°19	W 7
T 8	15 0 51	16°47'29	6♂41	23°19	27°29	29°54	17°50	4°46	7°32	23°32	28°34	2°18	1° 0	7°34	14°21	T 8
F 9	15 4 48	17°45'31	20° 1	24°50	27°10	0♂40	17°49	4°53	7°33	23°33	28°35	2°11	0°57	7°40	14°23	F 9
S 10	15 8 45	18°43'31	3♂34	26°23	26°54	1°26	17°49	5° 1	7°33	23°34	28°36	2° 4	0°54	7°47	14°25	S 10
S 11	15 12 41	19°41'29	17°18	27°58	26°39	2°12	17°48	5° 8	7°33	23°35	28°38	1°58	0°51	7°54	14°27	S 11
M12	15 16 38	20°39'25	1♂11	29°34	26°28	2°58	17°47	5°16	7°33	23°36	28°39	1°54	0°48	8° 0	14°29	M12
T 13	15 20 34	21°37'20	15°12	1♂13	26°18	3°44	17°45	5°24	7°R33	23°37	28°40	1°53	0°44	8° 7	14°31	T 13
W14	15 24 31	22°35'12	29°19	2°54	26°12	4°29	17°44	5°31	7°33	23°39	28°41	1°D53	0°41	8°14	14°33	W14
T 15	15 28 27	23°33'03	13♂31	4°37	26° 7	5°15	17°42	5°39	7°33	23°40	28°42	1°53	0°38	8°20	14°35	T 15
F 16	15 32 24	24°30'52	27°47	6°22	26°D 5	6° 1	17°41	5°47	7°33	23°41	28°44	1°R54	0°35	8°27	14°37	F 16
S 17	15 36 20	25°28'39	12♂ 3	8° 9	26° 5	6°46	17°39	5°54	7°32	23°42	28°45	1°54	0°32	8°34	14°38	S 17
S 18	15 40 17	26°26'25	26°18	9°59	26° 8	7°32	17°36	6° 2	7°32	23°44	28°46	1°52	0°29	8°40	14°40	S 18
M19	15 44 14	27°24'09	10♂28	11°50	26°13	8°17	17°34	6°10	7°32	23°45	28°47	1°47	0°25	8°47	14°42	M19
T 20	15 48 10	28°21'52	24°27	13°43	26°20	9° 3	17°31	6°18	7°32	23°47	28°49	1°40	0°22	8°54	14°43	T 20
W21	15 52 7	29°19'33	8♂12	15°38	26°29	9°48	17°29	6°25	7°31	23°48	28°50	1°31	0°19	9° 0	14°45	W21
T 22	15 56 3	0♂17'14	21°39	17°36	26°40	10°34	17°26	6°33	7°31	23°50	28°51	1°21	0°16	9° 7	14°46	T 22
F 23	16 0 0	1°14'53	4♂46	19°35	26°54	11°19	17°23	6°41	7°30	23°51	28°52	1°12	0°13	9°14	14°48	F 23
S 24	16 3 56	2°12'31	17°32	21°36	27° 9	12° 5	17°19	6°49	7°30	23°52	28°54	1° 3	0°10	9°20	14°49	S 24
S 25	16 7 53	3°10'07	0♂ 0	23°39	27°27	12°50	17°16	6°56	7°29	23°54	28°55	0°56	0° 6	9°27	14°51	S 25
M26	16 11 49	4° 7'43	12°11	25°43	27°46	13°35	17°12	7° 4	7°29	23°56	28°56	0°51	0° 3	9°34	14°52	M26
T 27	16 15 46	5° 5'18	24°10	27°50	28° 7	14°21	17° 9	7°12	7°28	23°57	28°58	0°49	0° 0	9°40	14°53	T 27
W28	16 19 43	6° 2'52	6♂ 1	29°57	28°30	15° 6	17° 5	7°20	7°27	23°59	28°59	0°D48	29♂57	9°47	14°54	W28
T 29	16 23 39	7° 0'25	17°50	2♂ 6	28°54	15°51	17° 0	7°28	7°26	24° 0	29° 0	0°49	29°54	9°54	14°56	T 29
F 30	16 27 36	7°57'57	29°42	4°16	29°21	16°36	16°56	7°35	7°26	24° 2	29° 2	0°R49	29°50	10° 0	14°57	F 30
S 31	16 31 32	8♂55'28	11♂42	6♂27	29♂48	17♂21	16♂52	7♂43	7♂25	24♂ 4	29♂ 3	0♂49	29♂47	10♂ 7	14♂58	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n50	9s44	2s 1	2n44	2s55	15n55	4n30	3s25	1s21	22s13	0n 3	19n20	1s38	18s59	0s36	20n57
F 2	15 8	4 12	0 59	3 12	2 56	15 31	4 16	3 7	1 21	22 13	0 3	19 21	1 38	18 59	0 36	20 57
S 3	15 26	1n33	0n 5	3 42	2 56	15 7	4 2	2 48	1 21	22 13	0 3	19 23	1 38	18 59	0 36	20 57
S 4	15 43	7 19	1 11	4 13	2 56	14 43	3 48	2 30	1 21	22 13	0 3	19 24	1 38	18 59	0 36	20 57
M 5	16 1	12 54	2 14	4 45	2 55	14 19	3 34	2 12	1 21	22 13	0 3	19 26	1 38	18 59	0 36	20 57
T 6	16 18	18 5	3 12	5 18	2 53	13 57	3 19	1 54	1 21	22 13	0 3	19 27	1 38	18 59	0 36	20 57
W 7	16 35	22 34	4 1	5 53	2 51	13 35	3 5	1 35	1 22	22 13	0 2	19 29	1 38	18 59	0 36	20 57
T 8	16 52	26 0	4 38	6 28	2 48	13 14	2 50	1 17	1 22	22 14	0 2	19 30	1 38	18 59	0 36	20 56
F 9	17 8	28 5	5 1	7 4	2 44	12 54	2 36	0 59	1 22	22 14	0 2	19 31	1 38	18 59	0 36	20 56
S 10	17 24	28 32	5 8	7 41	2 41	12 35	2 22	0 41	1 22	22 14	0 2	19 33	1 37	18 59	0 36	20 56
S 11	17 40	27 15	4 57	8 19	2 36	12 16	2 8	0 22	1 22	22 14	0 2	19 34	1 37	18 59	0 36	20 56
M12	17 56	24 17	4 29	8 58	2 31	11 59	1 54	0 4	1 22	22 14	0 2	19 36	1 37	18 59	0 37	20 56
T 13	18 11	19 52	3 45	9 38	2 25	11 43	1 40	0n14	1 22	22 15	0 2	19 37	1 37	18 59	0 37	20 55
W14	18 26	14 19	2 46	10 18	2 19	11 28	1 27	0 32	1 22	22 15	0 2	19 39	1 37	18 59	0 37	20 55
T 15	18 40	7 59	1 37	10 59	2 13	11 14	1 14	0 50	1 22	22 15	0 1	19 40	1 37	18 59	0 37	20 55
F 16	18 55	1 13	0 22	11 40	2 6	11 2	1 1	1 8	1 22	22 16	0 1	19 42	1 37	18 59	0 37	20 55
S 17	19 9	5s36	0s54	12 22	1 58	10 50	0 49	1 26	1 22	22 16	0 1	19 43	1 37	18 59	0 37	20 55
S 18	19 22	12 8	2 7	13 4	1 50	10 40	0 36	1 45	1 21	22 17	0 1	19 44	1 37	18 59	0 37	20 54
M19	19 35	18 0	3 11	13 46	1 42	10 30	0 25	2 3	1 21	22 17	0 1	19 46	1 37	18 59	0 37	20 54
T 20	19 48	22 49	4 3	14 29	1 33	10 22	0 13	2 21	1 21	22 18	0 1	19 47	1 36	19 0	0 37	20 54
W21	20 1	26 18	4 40	15 11	1 24	10 15	0 2	2 38	1 21	22 18	0 1	19 49	1 36	19 0	0 37	20 54
T 22	20 13	28 11	5 0	15 54	1 15	10 9	0s 9	2 56	1 21	22 18	0 1	19 50	1 36	19 0	0 37	20 54
F 23	20 25	28 26	5 4	16 36	1 5	10 4	0 19	3 14	1 21	22 19	0 0	19 51	1 36	19 0	0 37	20 53
S 24	20 37	27 8	4 52	17 17	0 55	10 1	0 29	3 32	1 21	22 20	0 0	19 53	1 36	19 0	0 37	20 53
S 25	20 48	24 30	4 27	17 59	0 45	9 58	0 39	3 50	1 21	22 20	0 0	19 54	1 36	19 0	0 37	20 53
M26	20 59	20 49	3 49	18 39	0 34	9 56	0 48	4 8	1 21	22 21	0s 0	19 55	1 36	19 1	0 37	20 53
T 27	21 10	16 21	3 3	19 18	0 23	9 55	0 57	4 25	1 21	22 21	0 0	19 57	1 36	19 1	0 37	20 52
W28	21 20	11 18	2 8	19 57	0 13	9 55	1 6	4 43	1 20	22 22	0 0	19 58	1 36	19 1	0 37	20 52
T 29	21 30	5 52	1 9	20 34	0 2	9 56	1 14	5 0	1 20	22 23	0 0	20 0	1 36	19 1	0 37	20 52
F 30	21 39	0 13	0 6	21 9	0n 9	9 58	1 22	5 18	1 20	22 23	0 1	20 1	1 36	19 1	0 37	20 52
S 31	21n48	5n31	0n58	21n43	0n19	10n 0	1s30	5n35	1s20	22s24	0s 1	20n 2	1s36	19s 2	0s37	20n51

Julian Day Number = 2419888.5, Delta T = 15.47 sec

Ecliptic obliquity = 23°27'11", Nutation = - 0°00'01", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°31'47", Lahiri = 22°38'48"

ASTRODIENST EPHEMERIS for the year 1913

geocentric

JUNE 1913

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 35 29	9II52°59	23V55	8II39	0818	18V 6	16°R47	7II51	7°R24	24☾ 5	29II 4	0°R46	29H44	10H14	14H59	S 1
M 2	16 39 25	10°50'29	6825	10°51	0°48	18°51	16°342	7°59	7≈23	24° 7	29° 6	0°V41	29°41	10°20	15° 0	M 2
T 3	16 43 22	11°47'57	19°14	13° 3	1°20	19°36	16°37	8° 7	7°22	24° 9	29° 7	0°34	29°38	10°27	15° 0	T 3
W 4	16 47 18	12°45'26	2II23	15°15	1°54	20°21	16°32	8°14	7°21	24°11	29° 9	0°25	29°35	10°34	15° 1	W 4
T 5	16 51 15	13°42'53	15°51	17°27	2°29	21° 6	16°27	8°22	7°20	24°12	29°10	0°14	29°31	10°40	15° 2	T 5
F 6	16 55 12	14°40'19	29°37	19°37	3° 5	21°50	16°22	8°30	7°19	24°14	29°11	0° 2	29°28	10°47	15° 3	F 6
S 7	16 59 8	15°37'45	13☾36	21°47	3°42	22°35	16°16	8°38	7°18	24°16	29°13	29H51	29°25	10°53	15° 3	S 7
S 8	17 3 5	16°35'09	27°43	23°56	4°20	23°20	16°11	8°45	7°16	24°18	29°14	29°43	29°22	11° 0	15° 4	S 8
M 9	17 7 1	17°32'33	118255	26° 3	5° 0	24° 4	16° 5	8°53	7°15	24°20	29°16	29°36	29°19	11° 7	15° 5	M 9
T 10	17 10 58	18°29'55	26° 9	28° 9	5°40	24°49	15°59	9° 1	7°14	24°22	29°17	29°33	29°16	11°13	15° 5	T 10
W11	17 14 54	19°27'16	10II20	0813	6°21	25°33	15°53	9° 9	7°13	24°23	29°18	29°31	29°12	11°20	15° 5	W11
T 12	17 18 51	20°24'36	24°27	2°15	7° 4	26°18	15°47	9°16	7°11	24°25	29°20	29°31	29° 9	11°27	15° 6	T 12
F 13	17 22 48	21°21'55	8231	4°15	7°47	27° 2	15°40	9°24	7°10	24°27	29°21	29°31	29° 6	11°33	15° 6	F 13
S 14	17 26 44	22°19'13	22°28	6°13	8°32	27°46	15°34	9°32	7° 8	24°29	29°23	29°30	29° 3	11°40	15° 6	S 14
S 15	17 30 41	23°16'31	6II20	8° 8	9°17	28°31	15°28	9°39	7° 7	24°31	29°24	29°26	29° 0	11°47	15° 7	S 15
M16	17 34 37	24°13'47	20° 4	10° 2	10° 3	29°15	15°21	9°47	7° 5	24°33	29°26	29°20	28°56	11°53	15° 7	M16
T 17	17 38 34	25°11'03	3239	11°53	10°50	29°59	15°14	9°55	7° 4	24°35	29°27	29°11	28°53	12° 0	15° 7	T 17
W18	17 42 30	26° 8'18	17° 2	13°42	11°37	0843	15° 7	10° 2	7° 2	24°37	29°29	28°59	28°50	12° 7	15°R 7	W18
T 19	17 46 27	27° 5'33	0810	15°28	12°26	1°27	15° 1	10°10	7° 1	24°39	29°30	28°47	28°47	12°13	15° 7	T 19
F 20	17 50 23	28° 2'47	13° 4	17°13	13°15	2°11	14°54	10°17	6°59	24°41	29°31	28°34	28°44	12°20	15° 7	F 20
S 21	17 54 20	29° 0'01	25°41	18°54	14° 5	2°55	14°47	10°25	6°57	24°43	29°33	28°23	28°41	12°27	15° 7	S 21
S 22	17 58 17	29°57'14	8≈ 2	20°34	14°55	3°38	14°39	10°32	6°55	24°45	29°34	28°13	28°37	12°33	15° 7	S 22
M23	18 2 13	0854°28	20° 9	22°11	15°46	4°22	14°32	10°40	6°54	24°47	29°36	28° 7	28°34	12°40	15° 6	M23
T 24	18 6 10	1°51'41	2H 6	23°46	16°38	5° 6	14°25	10°47	6°52	24°49	29°37	28° 2	28°31	12°47	15° 6	T 24
W25	18 10 6	2°48'54	13°56	25°18	17°30	5°49	14°18	10°55	6°50	24°51	29°39	28° 0	28°28	12°53	15° 6	W25
T 26	18 14 3	3°46'06	25°45	26°48	18°23	6°33	14°10	11° 2	6°48	24°53	29°40	28° 0	28°25	13° 0	15° 5	T 26
F 27	18 17 59	4°43'19	7V37	28°15	19°17	7°16	14° 3	11°10	6°46	24°56	29°42	28° 0	28°22	13° 7	15° 5	F 27
S 28	18 21 56	5°40'32	19°37	29°40	20°11	8° 0	13°55	11°17	6°44	24°58	29°43	27°59	28°18	13°13	15° 5	S 28
S 29	18 25 52	6°37'45	1852	18 3	21° 5	8°43	13°48	11°24	6°43	25° 0	29°44	27°57	28°15	13°20	15° 4	S 29
M30	18 29 49	7☾34°58	14826	2823	228 0	9826	13340	11II32	6≈41	25☾ 2	29II46	27H53	28H12	13H26	15H 3	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21n57	11n 8	2n 0	22n14	0n29	10n 4	1s37	5n52	1s20	22s25	0s 1	20n 3	1s36	19s 2	0s37	20n51	0s28	17n39	5s48	0n18	0s 6	9s20	1s17	5n 1			
M 2	22 5	16 27	2 57	22 44	0 39	10 8	1 44	6 10	1 20	22 25	0 1	20 5	1 36	19 2	0 37	20 51	0 28	17 39	5 48	0 16	0 8	9 17	1 17	5 2			
T 3	22 13	21 11	3 47	23 11	0 49	10 13	1 51	6 27	1 19	22 26	0 1	20 6	1 36	19 2	0 37	20 51	0 28	17 40	5 47	0 14	0 9	9 13	1 16	5 2			
W 4	22 20	25 0	4 27	23 36	0 58	10 18	1 57	6 44	1 19	22 27	0 1	20 7	1 35	19 3	0 37	20 50	0 28	17 40	5 47	0 10	0 10	9 10	1 15	5 2			
T 5	22 28	27 32	4 52	23 58	1 7	10 24	2 4	7 1	1 19	22 28	0 1	20 9	1 35	19 3	0 37	20 50	0 28	17 40	5 47	0 5	0 11	9 7	1 15	5 2			
F 6	22 34	28 29	5 1	24 18	1 15	10 31	2 9	7 18	1 19	22 29	0 2	20 10	1 35	19 3	0 37	20 50	0 28	17 40	5 47	0 1	0 13	9 3	1 14	5 3			
S 7	22 41	27 37	4 53	24 34	1 23	10 38	2 15	7 35	1 18	22 29	0 2	20 11	1 35	19 4	0 37	20 49	0 28	17 40	5 47	0s 3	0 14	9 0	1 14	5 3			
S 8	22 47	24 59	4 27	24 48	1 30	10 46	2 20	7 51	1 18	22 30	0 2	20 12	1 35	19 4	0 37	20 49	0 28	17 40	5 47	0 7	0 15	8 57	1 14	5 3			
M 9	22 52	20 48	3 44	25 0	1 36	10 55	2 25	8 8	1 18	22 31	0 2	20 14	1 35	19 4	0 37	20 49	0 27	17 40	5 47	0 9	0 16	8 54	1 13	5 3			
T 10	22 57	15 26	2 47	25 8	1 42	11 4	2 30	8 25	1 18	22 32	0 2	20 15	1 35	19 5	0 38	20 48	0 27	17 40	5 47	0 11	0 18	8 50	1 13	5 4			
W11	23 2	9 14	1 40	25 14	1 47	11 13	2 34	8 41	1 17	22 33	0 2	20 16	1 35	19 5	0 38	20 48	0 27	17 40	5 47	0 11	0 19	8 47	1 12	5 4			
T 12	23 6	2 37	0 27	25 17	1 51	11 23	2 38	8 57	1 17	22 34	0 2	20 17	1 35	19 6	0 38	20 48	0 27	17 40	5 47	0 12	0 20	8 44	1 12	5 4			
F 13	23 10	4s 6	0s47	25 17	1 54	11 33	2 42	9 14	1 17	22 34	0 3	20 18	1 35	19 6	0 38	20 47	0 27	17 40	5 47	0 12	0 21	8 40	1 12	5 4			
S 14	23 14	10 35	1 58	25 15	1 57	11 44	2 46	9 30	1 17	22 35	0 3	20 20	1 35	19 6	0 38	20 47	0 27	17 41	5 47	0 12	0 23	8 37	1 11	5 4			
S 15	23 17	16 30	3 1	25 11	1 59	11 55	2 50	9 46	1 16	22 36	0 3	20 21	1 35	19 7	0 38	20 47	0 27	17 41	5 47	0 14	0 24	8 34	1 11	5 5			
M16	23 20	21 31	3 53	25 4	2 0	12 6	2 53	10 2	1 16	22 37	0 3	20 22	1 35	19 7	0 38	20 47	0 27	17 41	5 46	0 16	0 25	8 30	1 11	5 5			
T 17	23 22	25 20	4 31	24 55	2 0	12 18	2 56	10 18	1 16	22 38	0 3	20 23	1 35	19 8	0 38	20 46	0 27	17 41	5 46	0 20	0 27	8 27	1 10	5 5			
W18	23 24	27 42	4 54	24 44	2 0	12 30	2 59	10 33	1 15	22 39	0 3	20 24	1 35	19 8	0 38	20 46	0 27	17 41	5 46	0 24	0 28	8 24	1 10	5 5			
T 19	23 25	28 27	5 0	24 32	1 59	12 42	3 1	10 49	1 15	22 40	0 3	20 25	1 35	19 8	0 38	20 45	0 27	17 41	5 46	0 29	0 29	8 20	1 10	5 6			
F 20	23 26	27 38	4 51	24 17	1 57	12 54	3 3	11 4	1 14	22 41	0 4	20 26	1 35	19 9	0 38	20 45	0 27	17 41	5 46	0 34	0 30	8 17	1 10	5 6			
S 21	23 27	25 24	4 27	24 1	1 55	13 7	3 6	11 20	1 14	22 42	0 4	20 27	1 35	19 9	0 38	20 45	0 27	17 41	5 46	0 39	0 32	8 14	1 10	5 6			
S 22	23 27	22 0	3 52	23 43	1 52	13 20	3 7	11 35	1 14	22 43	0 4	20 29	1 35	19 10	0 38	20 44	0 27	17 41	5 46	0 42	0 33	8 10	1 10	5 6			
M23	23 27	17 43	3 6	23 24	1 48	13 33	3 9	11 50	1 13	22 44	0 4	20 30	1 35	19 10	0 38	20 44	0 27	17 41	5 46	0 45	0 34	8 7	1 9	5 7			
T 24	23 26	12 48	2 13	23 4	1 44	13 46	3 11	12 5	1 13	22 44	0 4	20 31	1 35	19 11	0 38	20 44	0 27	17 41	5 46	0 47	0 35	8 4	1 9	5 7			
W25	23 25	7 27	1 14	22 42	1 39	13 59	3 12	12 20	1 12	22 45	0 4	20 32	1 35	19 11	0 38	20 43	0 27	17 41	5 46	0 48	0 37	8 0	1 9	5 7			
T 26	23 24	1 52	0 12	22 20	1 33	14 13	3 13	12 35	1 12	22 46	0 4	20 33	1 35	19 12	0 38	20 43	0 27	17 41	5 46	0 48	0 38	7 57	1 9	5 7			
F 27	23 22	3n48	0n51	21 56	1 27	14 26	3 14	12 49	1 12	22 47	0 5	20 34	1 35	19 12	0 38	20 43	0 27	17 41	5 46	0 48	0 39	7 54	1 9	5 7			
S 28	23 20	9 24	1 52	21 32	1 20	14 40	3 15	13 4	1 11	22 48	0 5	20 35	1 35	19 13	0 38	20 42	0 27	17 41	5 46	0 48	0 40	7 50	1 9	5 8			
S 29	23 17	14 47	2 49	21 7	1 12	14 53	3 16	13 18	1 11	22 49	0 5	20 36	1 35	19 13	0 38	20 42	0 27	17 41	5 46	0 49	0 42	7 47	1 9	5 8			
M30	23n14	19n40	3n40	20n41	1n 4	15n 7	3s16	13n32	1s10	22s50	0s 5	20n37	1s35	19s14	0s38	20n42	0s27	17n41	5s46	0s51	0s43	7s44	1s 9	5n			

ASTRODIENST EPHEMERIS for the year 1913
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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 33 46	8°23'11	27°8'22	3°40	22°8'56	10°8'9	13°R32	11°II39	6°R39	25°5'4	29°II47	27°R46	28°8'9	13°8'33	15°R3	T 1
W 2	18 37 42	9°29'25	10°II43	4°55	23°52	10°52	13°3'25	11°46	6°37	25°6	29°49	27°8'37	28°6	13°40	15°8'2	W 2
T 3	18 41 39	10°26'38	24°28	6°7	24°49	11°35	13°17	11°53	6°34	25°8	29°50	27°26	28°2	13°46	15°1	T 3
F 4	18 45 35	11°23'52	8°34	7°17	25°46	12°18	13°9	12°1	6°32	25°11	29°52	27°15	27°59	13°53	15°0	F 4
S 5	18 49 32	12°21'05	22°57	8°23	26°43	13°1	13°2	12°8	6°30	25°13	29°53	27°4	27°56	14°0	15°0	S 5
S 6	18 53 28	13°18'19	7°30	9°27	27°41	13°44	12°54	12°15	6°28	25°15	29°54	26°55	27°53	14°6	14°59	S 6
M 7	18 57 25	14°15'32	22°6	10°27	28°39	14°26	12°46	12°22	6°26	25°17	29°56	26°49	27°50	14°13	14°58	M 7
T 8	19 1 21	15°12'46	6°19	11°25	29°37	15°9	12°38	12°29	6°24	25°19	29°57	26°45	27°47	14°20	14°57	T 8
W 9	19 5 18	16°9'59	21°5	12°19	0°II36	15°52	12°31	12°36	6°22	25°22	29°59	26°D44	27°43	14°26	14°56	W 9
T 10	19 9 15	17°7'12	5°19	13°10	1°35	16°34	12°23	12°43	6°19	25°24	0°50	26°44	27°40	14°33	14°54	T 10
F 11	19 13 11	18°4'24	19°22	13°58	2°35	17°16	12°15	12°50	6°17	25°26	0°1	26°R44	27°37	14°40	14°53	F 11
S 12	19 17 8	19°1'37	3°11	14°42	3°35	17°58	12°8	12°56	6°15	25°28	0°3	26°44	27°34	14°46	14°52	S 12
S 13	19 21 4	19°58'50	16°48	15°22	4°35	18°41	12°0	13°3	6°13	25°30	0°4	26°41	27°31	14°53	14°51	S 13
M14	19 25 1	20°56'03	0°13	15°59	5°36	19°23	11°53	13°10	6°10	25°33	0°6	26°36	27°28	15°0	14°49	M14
T 15	19 28 57	21°53'16	13°25	16°31	6°37	20°5	11°45	13°17	6°8	25°35	0°7	26°28	27°24	15°6	14°48	T 15
W16	19 32 54	22°50'29	26°26	17°0	7°38	20°46	11°38	13°23	6°6	25°37	0°8	26°18	27°21	15°13	14°47	W16
T 17	19 36 51	23°47'42	9°34	17°24	8°39	21°28	11°30	13°30	6°4	25°39	0°10	26°8	27°18	15°20	14°45	T 17
F 18	19 40 47	24°44'56	21°49	17°43	9°41	22°10	11°23	13°36	6°1	25°42	0°11	25°57	27°15	15°26	14°44	F 18
S 19	19 44 44	25°42'10	4°12	17°59	10°43	22°52	11°16	13°43	5°59	25°44	0°12	25°47	27°12	15°33	14°42	S 19
S 20	19 48 40	26°39'25	16°24	18°9	11°46	23°33	11°9	13°49	5°57	25°46	0°14	25°39	27°8	15°39	14°40	S 20
M21	19 52 37	27°36'40	28°24	18°14	12°48	24°14	11°1	13°56	5°54	25°48	0°15	25°33	27°5	15°46	14°39	M21
T 22	19 56 33	28°33'56	10°17	18°R15	13°51	24°56	10°54	14°2	5°52	25°50	0°16	25°30	27°2	15°53	14°37	T 22
W23	20 0 30	29°31'13	22°5	18°11	14°54	25°37	10°47	14°8	5°49	25°53	0°18	25°D29	26°59	15°59	14°35	W23
T 24	20 4 26	0°28'30	3°Y53	18°1	15°57	26°18	10°40	14°15	5°47	25°55	0°19	25°29	26°56	16°6	14°34	T 24
F 25	20 8 23	1°25'48	15°44	17°47	17°1	26°59	10°34	14°21	5°45	25°57	0°20	25°30	26°53	16°13	14°32	F 25
S 26	20 12 19	2°23'07	27°44	17°28	18°5	27°40	10°27	14°27	5°42	25°59	0°21	25°R31	26°49	16°19	14°30	S 26
S 27	20 16 16	3°20'28	9°58	17°4	19°9	28°21	10°20	14°33	5°40	26°2	0°23	25°31	26°46	16°26	14°28	S 27
M28	20 20 13	4°17'49	22°31	16°36	20°13	29°2	10°14	14°39	5°37	26°4	0°24	25°29	26°43	16°33	14°26	M28
T 29	20 24 9	5°15'11	5°II28	16°3	21°18	29°42	10°8	14°45	5°35	26°6	0°25	25°25	26°40	16°39	14°24	T 29
W30	20 28 6	6°12'34	18°51	15°27	22°23	0°II23	10°1	14°51	5°33	26°8	0°26	25°20	26°37	16°46	14°22	W30
T 31	20 32 2	7°19'59	2°42	14°48	23°II28	1°II3	9°35	14°II57	5°30	26°10	0°28	25°8'13	26°8'34	16°8'53	14°8'20	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n11	23n49	4n21	20n15	0n56	15n21	3s17	13n46	1s10	22s51	0s5	20n38	1s35	19s14	0s38	20n41	0s27	17n41	5s46	0s53	0s44	7s40	1s9	5n8
W 2	23 7	26 49	4 49	19 48	0 47	15 34	3 17	14 0	1 9	22 52	0 5	20 39	1 35	19 15	0 38	20 41	0 27	17 41	5 46	0 57	0 46	7 37	1 9	5 9
T 3	23 3	28 21	5 1	19 21	0 37	15 48	3 17	14 14	1 9	22 53	0 5	20 40	1 35	19 15	0 38	20 40	0 27	17 41	5 46	1 1	0 47	7 34	1 9	5 9
F 4	22 58	28 6	4 56	18 54	0 27	16 1	3 17	14 27	1 8	22 54	0 6	20 41	1 35	19 16	0 38	20 40	0 27	17 41	5 46	1 6	0 48	7 30	1 9	5 9
S 5	22 53	25 58	4 32	18 27	0 17	16 15	3 16	14 41	1 8	22 55	0 6	20 41	1 35	19 16	0 38	20 40	0 27	17 42	5 46	1 10	0 49	7 27	1 10	5 9
S 6	22 47	22 6	3 50	18 0	0 6	16 28	3 16	14 54	1 7	22 55	0 6	20 42	1 35	19 17	0 38	20 39	0 27	17 42	5 46	1 13	0 51	7 23	1 10	5 9
M 7	22 41	16 52	2 53	17 33	0s5	16 41	3 16	15 7	1 7	22 56	0 6	20 43	1 35	19 18	0 38	20 39	0 27	17 42	5 46	1 16	0 52	7 20	1 10	5 10
T 8	22 35	10 42	1 45	17 6	0 17	16 54	3 15	15 20	1 6	22 57	0 6	20 44	1 35	19 18	0 38	20 39	0 27	17 42	5 46	1 17	0 53	7 17	1 10	5 10
W 9	22 28	4 0	0 30	16 39	0 29	17 7	3 14	15 33	1 6	22 58	0 6	20 45	1 35	19 19	0 38	20 38	0 27	17 42	5 46	1 18	0 54	7 13	1 10	5 10
T 10	22 21	2s49	0s46	16 13	0 42	17 20	3 13	15 46	1 5	22 59	0 6	20 46	1 35	19 19	0 38	20 38	0 27	17 42	5 46	1 18	0 56	7 10	1 11	5 10
F 11	22 14	9 23	1 57	15 47	0 54	17 33	3 12	15 58	1 4	23 0	0 7	20 47	1 35	19 20	0 38	20 37	0 27	17 42	5 46	1 18	0 57	7 7	1 11	5 10
S 12	22 6	15 25	3 1	15 21	1 8	17 45	3 11	16 10	1 4	23 1	0 7	20 48	1 35	19 20	0 38	20 37	0 27	17 42	5 46	1 18	0 58	7 3	1 11	5 11
S 13	21 58	20 36	3 54	14 57	1 21	17 58	3 10	16 23	1 3	23 1	0 7	20 48	1 35	19 21	0 38	20 37	0 27	17 42	5 46	1 19	0 59	7 0	1 11	5 11
M14	21 49	24 38	4 32	14 33	1 35	18 10	3 8	16 35	1 3	23 2	0 7	20 49	1 35	19 22	0 38	20 36	0 27	17 42	5 46	1 21	1 1	6 57	1 12	5 11
T 15	21 40	27 19	4 56	14 10	1 48	18 22	3 7	16 46	1 2	23 3	0 7	20 50	1 35	19 22	0 38	20 36	0 27	17 42	5 46	1 24	1 2	6 53	1 12	5 11
W16	21 31	28 28	5 3	13 48	2 2	18 33	3 5	16 58	1 1	23 4	0 7	20 51	1 35	19 23	0 38	20 35	0 27	17 42	5 46	1 28	1 3	6 50	1 13	5 11
T 17	21 21	28 3	4 56	13 28	2 16	18 45	3 3	17 10	1 1	23 5	0 7	20 51	1 35	19 23	0 38	20 35	0 27	17 42	5 46	1 32	1 4	6 46	1 13	5 12
F 18	21 11	26 11	4 33	13 8	2 30	18 56	3 1	17 21	1 0	23 5	0 7	20 52	1 35	19 24	0 38	20 35	0 27	17 42	5 46	1 37	1 6	6 43	1 13	5 12
S 19	21 1	23 5	3 59	12 51	2 44	19 6	2 59	17 32	1 0	23 6	0 8	20 53	1 35	19 24	0 38	20 34	0 27	17 42	5 46	1 41	1 7	6 40	1 14	5 12
S 20	20 50	19 0	3 13	12 34	2 58	19 17	2 57	17 43	0 59	23 7	0 8	20 54	1 35	19 25	0 38	20 34	0 27	17 42	5 46	1 44	1 8	6 36	1 14	5 12
M21	20 39	14 13	2 20	12 20	3 12	19 27	2 55	17 54	0 58	23 8	0 8	20 54	1 35	19 26	0 38	20 33	0 27	17 42	5 46	1 46	1 10	6 33	1 15	5 12
T 22	20 28	8 58	1 21	12 7	3 25	19 37	2 53	18 5	0 58	23 8	0 8	20 55	1 35	19 26	0 38	20 33	0 27	17 42	5 46	1 47	1 11	6 30	1 15	5 12
W23	20 16	3 25	0 18	11 56	3 38	19 46	2 51	18 15	0 57	23 9	0 8	20 56	1 35	19 27	0 38	20 33	0 27	17 42	5 46	1 48	1 12	6 26	1 16	5 13
T 24	20 4	2n14	0n45	11 47	3 51	19 55	2 48	18 26	0 56	23 10	0 8	20 56	1 36	19 27	0 38	20 32	0 27	17 42	5 46	1 48	1 13	6 23	1 16	5 13
F 25	19 51	7 50	1 47	11 40	4 2	20 4	2 46	18 36	0 55	23 10	0 8	20 57	1 36	19 28	0 38	20 32	0 27	17 42	5 46	1 47	1 15	6 19	1 17	5 13
S 26	19 38	13 14	2 45	11 35	4 13	20 13	2 43	18 46	0 55	23 11	0 9	20 58	1 36	19 29	0 38	20 31	0 27	17 42	5 46	1 47	1 16	6 16	1 17	5 13
S 27	19 25	18 14	3 36	11 33	4 23	20 21	2 40	18 56	0 54	23 12	0 9	20 58	1 36	19 29	0 38	20 31	0 27	17 41	5 46	1 47	1 17	6 13	1 18	5 13
M28	19 12	22 35	4 19	11 32	4 32	20 28	2 38	19 5	0 53	23 12	0 9	20 59	1 36	19 30	0 38	20 31	0 27	17 41	5 46	1 48	1 18	6 9	1 19	5 13
T 29	18 58	25 59	4 50	11 35	4 40	20 35	2 35	19 15	0 53	23 13	0 9	21 0	1 36	19 30	0 38	20 30	0 27	17 41	5 46	1 49	1 20	6 6	1 19	5 13
W30	18 44	28 4	5 6	11 39	4 46	20 42	2 32	19 24	0 52	23 13	0 9	21 0	1 36	19 31	0 38	20 30	0 27	17 41	5 46	1 51	1 21	6 2	1 20	5 14
T 31	18n29	28n31	5n5	11n46	4s51	20n48	2s29	19n33	0s51	23s14	0s9	21n1	1s36	19s32	0s38	20n29	0s27	17n41	5s46	1s54	1s22	5s59	1s21	5n14

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AUGUST 1913

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 35 59	8♌ 7'24	16♌58	14°R 5	24♏33	1♏43	9°R49	15♏ 2	5°R28	26♌13	0♌29	25°R 5	26♏30	16♏59	14°R18	F 1
S 2	20 39 55	9° 4'51	1♌35	13♌21	25°38	2°24	9♌43	15° 8	5♌25	26°15	0°30	24♏58	26°27	17° 6	14♏16	S 2
S 3	20 43 52	10° 2'18	16°27	12°35	26°44	3° 4	9°38	15°14	5°23	26°17	0°31	24°53	26°24	17°13	14°14	S 3
M 4	20 47 49	10°59'46	1♏25	11°49	27°49	3°44	9°32	15°19	5°21	26°19	0°32	24°49	26°21	17°19	14°11	M 4
T 5	20 51 45	11°57'15	16°20	11° 3	28°55	4°23	9°27	15°25	5°18	26°21	0°33	24°47	26°18	17°26	14° 9	T 5
W 6	20 55 42	12°54'45	1♌ 6	10°19	0♌ 1	5° 3	9°21	15°30	5°16	26°23	0°35	24°D47	26°14	17°32	14° 7	W 6
T 7	20 59 38	13°52'16	15°36	9°36	1° 7	5°43	9°16	15°35	5°14	26°26	0°36	24°48	26°11	17°39	14° 4	T 7
F 8	21 3 35	14°49'47	29°47	8°56	2°14	6°22	9°11	15°40	5°11	26°28	0°37	24°49	26° 8	17°46	14° 2	F 8
S 9	21 7 31	15°47'19	13♏39	8°20	3°20	7° 2	9° 6	15°46	5° 9	26°30	0°38	24°R50	26° 5	17°52	14° 0	S 9
S 10	21 11 28	16°44'52	27°11	7°48	4°27	7°41	9° 1	15°51	5° 7	26°32	0°39	24°49	26° 2	17°59	13°57	S 10
M 11	21 15 24	17°42'26	10♏26	7°21	5°34	8°20	8°57	15°56	5° 4	26°34	0°40	24°47	25°59	18° 6	13°55	M 11
T 12	21 19 21	18°40'01	23°24	7° 0	6°41	8°59	8°53	16° 1	5° 2	26°36	0°41	24°44	25°55	18°12	13°52	T 12
W 13	21 23 18	19°37'36	6♌ 7	6°46	7°48	9°38	8°48	16° 6	5° 0	26°38	0°42	24°39	25°52	18°19	13°50	W 13
T 14	21 27 14	20°35'13	18°37	6°38	8°56	10°16	8°44	16°10	4°57	26°40	0°43	24°33	25°49	18°26	13°47	T 14
F 15	21 31 11	21°32'51	0♌56	6°D36	10° 3	10°55	8°40	16°15	4°55	26°42	0°44	24°27	25°46	18°32	13°45	F 15
S 16	21 35 7	22°30'30	13° 5	6°42	11°11	11°33	8°37	16°20	4°53	26°44	0°45	24°22	25°43	18°39	13°42	S 16
S 17	21 39 4	23°28'10	25° 6	6°55	12°19	12°12	8°33	16°24	4°51	26°47	0°46	24°18	25°40	18°46	13°40	S 17
M 18	21 43 0	24°25'52	7♏ 0	7°16	13°27	12°50	8°30	16°29	4°48	26°49	0°47	24°15	25°36	18°52	13°37	M 18
T 19	21 46 57	25°23'34	18°49	7°44	14°35	13°28	8°27	16°33	4°46	26°51	0°48	24°D14	25°33	18°59	13°34	T 19
W 20	21 50 53	26°21'19	0♏36	8°20	15°43	14° 6	8°24	16°37	4°44	26°53	0°49	24°14	25°30	19° 6	13°32	W 20
T 21	21 54 50	27°19'04	12°24	9° 3	16°52	14°44	8°21	16°42	4°42	26°55	0°50	24°15	25°27	19°12	13°29	T 21
F 22	21 58 47	28°16'52	24°16	9°53	18° 0	15°21	8°18	16°46	4°40	26°56	0°50	24°16	25°24	19°19	13°26	F 22
S 23	22 2 43	29°14'41	6♌17	10°50	19° 9	15°59	8°16	16°50	4°38	26°58	0°51	24°18	25°20	19°25	13°24	S 23
S 24	22 6 40	0♏12'32	18°30	11°54	20°18	16°36	8°13	16°54	4°35	27° 0	0°52	24°19	25°17	19°32	13°21	S 24
M 25	22 10 36	1°10'24	1♏ 2	13° 4	21°27	17°13	8°11	16°58	4°33	27° 2	0°53	24°R20	25°14	19°39	13°18	M 25
T 26	22 14 33	2° 8'19	13°55	14°20	22°36	17°51	8° 9	17° 1	4°31	27° 4	0°54	24°19	25°11	19°45	13°16	T 26
W 27	22 18 29	3° 6'15	27°14	15°42	23°45	18°27	8° 7	17° 5	4°29	27° 6	0°55	24°18	25° 8	19°52	13°13	W 27
T 28	22 22 26	4° 4'13	11♌ 0	17°10	24°54	19° 4	8° 6	17° 9	4°27	27° 8	0°55	24°16	25° 5	19°59	13°10	T 28
F 29	22 26 22	5° 2'13	25°13	18°42	26° 4	19°41	8° 5	17°12	4°25	27°10	0°56	24°13	25° 1	20° 5	13° 7	F 29
S 30	22 30 19	6° 0'15	9♌51	20°18	27°13	20°17	8° 3	17°16	4°23	27°12	0°57	24°11	24°58	20°12	13° 4	S 30
S 31	22 34 16	6♏58'19	24♌48	21♌58	28♌23	20♏54	8♌ 2	17♏19	4♌22	27♌13	0♌58	24♏ 9	24♏55	20♏19	13♏ 2	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
F 1	18n15	27n 6	4n46	11n55	4s54	20n54	2s26	19n42	0s50	23s15	0s 9	21n 1	1s36	19s32	0s38	20n29	0s27	17n41	5s46	1s57	1s23	5s56	1s21	5n14
S 2	18 0	23 51	4 8	12 5	4 56	21 0	2 23	19 51	0 49	23 15	0 9	21 2	1 36	19 33	0 38	20 29	0 27	17 41	5 46	2 0	1 25	5 52	1 22	5 14
S 3	17 44	18 58	3 12	12 18	4 56	21 5	2 20	19 59	0 49	23 16	0 10	21 2	1 36	19 33	0 38	20 28	0 27	17 41	5 46	2 2	1 26	5 49	1 23	5 14
M 4	17 29	12 54	2 3	12 33	4 54	21 9	2 17	20 8	0 48	23 16	0 10	21 3	1 36	19 34	0 38	20 28	0 27	17 41	5 46	2 4	1 27	5 45	1 23	5 14
T 5	17 13	6 6	0 46	12 49	4 50	21 13	2 14	20 16	0 47	23 17	0 10	21 4	1 36	19 35	0 39	20 27	0 27	17 41	5 46	2 4	1 28	5 42	1 24	5 14
W 6	16 57	0s58	0s34	13 6	4 44	21 17	2 10	20 24	0 46	23 17	0 10	21 4	1 36	19 35	0 39	20 27	0 27	17 41	5 46	2 5	1 30	5 39	1 25	5 14
T 7	16 40	7 51	1 51	13 25	4 37	21 20	2 7	20 32	0 45	23 18	0 10	21 5	1 36	19 36	0 39	20 27	0 27	17 41	5 46	2 4	1 31	5 35	1 26	5 15
F 8	16 24	14 11	2 59	13 44	4 28	21 22	2 4	20 39	0 45	23 18	0 10	21 5	1 36	19 36	0 39	20 26	0 27	17 41	5 46	2 4	1 32	5 32	1 27	5 15
S 9	16 7	19 40	3 55	14 3	4 17	21 24	2 0	20 47	0 44	23 19	0 10	21 5	1 37	19 37	0 39	20 26	0 27	17 41	5 46	2 3	1 33	5 28	1 27	5 15
S 10	15 50	24 1	4 36	14 23	4 5	21 26	1 57	20 54	0 43	23 19	0 10	21 6	1 37	19 37	0 39	20 25	0 27	17 41	5 46	2 4	1 35	5 25	1 28	5 15
M11	15 32	27 0	5 2	14 42	3 52	21 27	1 54	21 1	0 42	23 20	0 10	21 6	1 37	19 38	0 38	20 25	0 27	17 41	5 46	2 4	1 36	5 22	1 29	5 15
T 12	15 14	28 28	5 11	15 2	3 37	21 27	1 50	21 8	0 41	23 20	0 11	21 7	1 37	19 39	0 38	20 25	0 27	17 41	5 46	2 6	1 37	5 18	1 30	5 15
W13	14 56	28 23	5 5	15 20	3 22	21 27	1 46	21 15	0 40	23 20	0 11	21 7	1 37	19 39	0 38	20 24	0 27	17 41	5 46	2 8	1 39	5 15	1 31	5 15
T 14	14 38	26 51	4 44	15 38	3 6	21 26	1 43	21 21	0 39	23 21	0 11	21 8	1 37	19 40	0 38	20 24	0 27	17 41	5 46	2 10	1 40	5 11	1 32	5 15
F 15	14 20	24 2	4 11	15 54	2 49	21 25	1 39	21 28	0 38	23 21	0 11	21 8	1 37	19 40	0 38	20 23	0 27	17 41	5 46	2 12	1 41	5 8	1 33	5 15
S 16	14 1	20 11	3 26	16 10	2 32	21 24	1 36	21 34	0 37	23 21	0 11	21 8	1 37	19 41	0 38	20 23	0 27	17 41	5 46	2 14	1 42	5 5	1 34	5 15
S 17	13 42	15 34	2 33	16 23	2 14	21 21	1 32	21 40	0 37	23 22	0 11	21 9	1 37	19 41	0 38	20 23	0 27	17 41	5 46	2 16	1 44	5 1	1 34	5 15
M18	13 23	10 23	1 33	16 35	1 57	21 18	1 28	21 46	0 36	23 22	0 11	21 9	1 37	19 42	0 38	20 22	0 27	17 41	5 47	2 17	1 45	4 58	1 35	5 15
T 19	13 4	4 53	0 30	16 45	1 39	21 15	1 25	21 51	0 35	23 22	0 11	21 9	1 37	19 42	0 38	20 22	0 27	17 40	5 47	2 18	1 46	4 54	1 36	5 15
W20	12 44	0n46	0n35	16 52	1 22	21 11	1 21	21 57	0 34	23 23	0 11	21 10	1 37	19 43	0 38	20 21	0 27	17 40	5 47	2 18	1 47	4 51	1 37	5 15
T 21	12 25	6 24	1 38	16 58	1 5	21 7	1 17	22 2	0 33	23 23	0 12	21 10	1 38	19 43	0 38	20 21	0 27	17 40	5 47	2 17	1 49	4 48	1 38	5 15
F 22	12 5	11 52	2 38	17 0	0 48	21 1	1 14	22 7	0 32	23 23	0 12	21 10	1 38	19 44	0 38	20 21	0 27	17 40	5 47	2 17	1 50	4 44	1 39	5 15
S 23	11 45	16 57	3 31	17 0	0 32	20 56	1 10	22 12	0 31	23 23	0 12	21 11	1 38	19 44	0 38	20 20	0 27	17 40	5 47	2 16	1 51	4 41	1 40	5 15
S 24	11 24	21 27	4 16	16 58	0 17	20 50	1 6	22 17	0 30	23 24	0 12	21 11	1 38	19 45	0 38	20 20	0 27	17 40	5 47	2 15	1 52	4 37	1 41	5 15
M25	11 4	25 6	4 50	16 52	0 2	20 43	1 3	22 22	0 29	23 24	0 12	21 11	1 38	19 45	0 38	20 20	0 27	17 40	5 47	2 15	1 54	4 34	1 42	5 15
T 26	10 43	27 37	5 10	16 43	0n12	20 35	0 59	22 26	0 28	23 24	0 12	21 12	1 38	19 46	0 38	20 19	0 27	17 40	5 47	2 15	1 55	4 30	1 43	5 15
W27	10 22	28 40	5 15	16 32	0 25	20 28	0 55	22 31	0 27	23 24	0 12	21 12	1 38	19 46	0 38	20 19	0 27	17 40	5 47	2 16	1 56	4 27	1 45	5 15
T 28	10 1	28 1	5 2	16 17	0 37	20 19	0 51	22 35	0 26	23 25	0 12	21 12	1 38	19 47	0 38	20 19	0 27	17 40	5 47	2 17	1 57	4 24	1 46	5 15
F 29	9 40	25 32	4 31	16 0	0 48	20 10	0 48	22 39	0 24	23 25	0 12	21 12	1 38	19 47	0 38	20 18	0 27	17 40	5 47	2 18	1 59	4 20	1 47	5 15
S 30	9 19	21 20	3 41	15 39	0 58	20 0	0 44	22 43	0 23	23 25	0 12	21 13	1 38	19 48	0 38	20 18	0 27	17 40	5 47	2 19	2 0	4 17	1 48	5 15
S 31	8n57	15n42	2n35	15n16	1n 8	19n50	0s40	22n46	0s22	23s25	0s13	21n13	1s39	19s48	0s38	20n17	0s27	17n40	5s47	2s20	2s 1	4s13	1s49	5n15

ASTRODIENST EPHEMERIS for the year 1913

geocentric

SEPTEMBER 1913

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 38 12	7 ^h 56 ^m 24 ^s	9 ^h 56 ^m	23 ^h 42 ^m	29 ^h 33 ^m	21 ^h 30 ^m	8°R 2	17 ^h 22 ^m	4°R20	27 ^h 15 ^m	0 ^h 58 ^m	24°R 8	24 ^h 52 ^m	20 ^h 25 ^m	12°R59	M 1
T 2	22 42 9	8°54'30"	25° 6	25°29	0 ^h 43 ^m	22° 6	8 ^h 1	17°25	4 ^h 18 ^m	27°17	0°59	24°D 7	24°49	20°32	12 ^h 56	T 2
W 3	22 46 5	9°52'39"	10 ^h 9 ^m	27°18	1°53	22°41	8° 1	17°28	4°16	27°19	1° 0	24 ^h 8 ^m	24°46	20°39	12°53	W 3
T 4	22 50 2	10°50'48"	24°56	29° 9	3° 3	23°17	8° 0	17°31	4°14	27°21	1° 0	24° 9	24°42	20°45	12°50	T 4
F 5	22 53 58	11°49'00"	9 ^h 22 ^m	1 ^h 1 ^m	4°13	23°52	8°D 0	17°34	4°12	27°22	1° 1	24°10	24°39	20°52	12°48	F 5
S 6	22 57 55	12°47'13"	23°24	2°55	5°24	24°28	8° 0	17°37	4°11	27°24	1° 1	24°10	24°36	20°58	12°45	S 6
S 7	23 1 51	13°45'27"	7 ^h 2 ^m	4°50	6°34	25° 3	8° 1	17°39	4° 9	27°26	1° 2	24°11	24°33	21° 5	12°42	S 7
M 8	23 5 48	14°43'43"	20°15	6°45	7°45	25°37	8° 1	17°42	4° 7	27°27	1° 2	24°R11	24°30	21°12	12°39	M 8
T 9	23 9 45	15°42'00"	3 ^h 7 ^m	8°40	8°55	26°12	8° 2	17°44	4° 6	27°29	1° 3	24°10	24°26	21°18	12°36	T 9
W10	23 13 41	16°40'19"	15°41	10°35	10° 6	26°47	8° 3	17°46	4° 4	27°30	1° 3	24°10	24°23	21°25	12°34	W10
T 11	23 17 38	17°38'40"	28° 0	12°30	11°17	27°21	8° 4	17°49	4° 3	27°32	1° 4	24° 9	24°20	21°32	12°31	T 11
F 12	23 21 34	18°37'02"	10 ^h 7 ^m	14°25	12°28	27°55	8° 6	17°51	4° 1	27°34	1° 4	24° 8	24°17	21°38	12°28	F 12
S 13	23 25 31	19°35'25"	22° 6	16°19	13°39	28°29	8° 7	17°53	4° 0	27°35	1° 5	24° 7	24°14	21°45	12°25	S 13
S 14	23 29 27	20°33'51"	3 ^h 58 ^m	18°12	14°50	29° 3	8° 9	17°55	3°58	27°37	1° 5	24° 7	24°11	21°52	12°22	S 14
M15	23 33 24	21°32'18"	15°47	20° 5	16° 1	29°36	8°11	17°56	3°57	27°38	1° 6	24° 7	24° 7	21°58	12°20	M15
T 16	23 37 20	22°30'47"	27°35	21°57	17°13	0 ^h 9 ^m	8°13	17°58	3°56	27°40	1° 6	24°D 7	24° 4	22° 5	12°17	T 16
W17	23 41 17	23°29'18"	9 ^h 24 ^m	23°48	18°24	0°42	8°15	18° 0	3°54	27°41	1° 6	24° 7	24° 1	22°12	12°14	W17
T 18	23 45 13	24°27'51"	21°15	25°38	19°36	1°15	8°17	18° 1	3°53	27°42	1° 7	24°R 7	23°58	22°18	12°11	T 18
F 19	23 49 10	25°26'26"	3 ^h 13 ^m	27°27	20°47	1°48	8°20	18° 3	3°52	27°44	1° 7	24° 7	23°55	22°25	12° 9	F 19
S 20	23 53 7	26°25'03"	15°20	29°15	21°59	2°20	8°23	18° 4	3°51	27°45	1° 7	24° 7	23°51	22°32	12° 6	S 20
S 21	23 57 3	27°23'42"	27°38	1 ^h 2 ^m	23°11	2°52	8°26	18° 5	3°50	27°46	1° 7	24° 6	23°48	22°38	12° 3	S 21
M22	0 1 0	28°22'24"	10 ^h 11 ^m	2°48	24°23	3°24	8°29	18° 6	3°49	27°48	1° 8	24° 6	23°45	22°45	12° 0	M22
T 23	0 4 56	29°21'07"	23° 2	4°34	25°35	3°56	8°32	18° 7	3°48	27°49	1° 8	24° 6	23°42	22°51	11°58	T 23
W24	0 8 53	0 ^h 19'53"	6 ^h 15 ^m	6°18	26°47	4°28	8°36	18° 8	3°47	27°50	1° 8	24°D 6	23°39	22°58	11°55	W24
T 25	0 12 49	1°18'42"	19°51	8° 1	27°59	4°59	8°40	18° 8	3°46	27°51	1° 8	24° 6	23°36	23° 5	11°53	T 25
F 26	0 16 46	2°17'33"	3 ^h 52 ^m	9°43	29°12	5°30	8°43	18° 9	3°45	27°53	1° 8	24° 7	23°32	23°11	11°50	F 26
S 27	0 20 42	3°16'25"	18°18	11°25	0 ^h 24 ^m	6° 1	8°48	18°10	3°44	27°54	1° 9	24° 7	23°29	23°18	11°47	S 27
S 28	0 24 39	4°15'20"	3 ^h 5 ^m	13° 5	1°36	6°31	8°52	18°10	3°43	27°55	1° 9	24° 8	23°26	23°25	11°45	S 28
M29	0 28 36	5°14'18"	18° 8	14°45	2°49	7° 1	8°56	18°10	3°42	27°56	1° 9	24°R 8	23°23	23°31	11°42	M29
T 30	0 32 32	6 ^h 13'17"	3 ^h 18 ^m	16 ^h 24 ^m	4 ^h 1 ^m	7 ^h 31 ^m	9 ^h 2 ^m	18 ^h 10 ^m	3 ^h 42 ^m	27 ^h 57 ^m	1 ^h 9 ^m	24 ^h 8 ^m	23 ^h 20 ^m	23 ^h 38 ^m	11 ^h 40 ^m	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	8n36	9n 3	1n18	14n49	1n16	19n40	0s37	22n50	0s21	23s25	0s13	21n13	1s39	19s49	0s38	20n17	0s27	17n40	5s47	2s20	2s 3	4s10	1s50	5n15					
T 2	8 14	1 52	0s 5	14 21	1 23	19 28	0 33	22 53	0 20	23 25	0 13	21 13	1 39	19 49	0 38	20 17	0 27	17 40	5 47	2 20	2 4	4 6	1 51	5 15					
W 3	7 52	5s22	1 28	13 49	1 30	19 17	0 29	22 56	0 19	23 25	0 13	21 13	1 39	19 49	0 38	20 16	0 27	17 39	5 48	2 20	2 5	4 3	1 52	5 15					
T 4	7 30	12 11	2 43	13 16	1 35	19 4	0 26	22 59	0 18	23 26	0 13	21 13	1 39	19 50	0 38	20 16	0 27	17 39	5 48	2 20	2 6	4 0	1 53	5 15					
F 5	7 8	18 11	3 45	12 40	1 39	18 51	0 22	23 2	0 17	23 26	0 13	21 14	1 39	19 50	0 38	20 16	0 27	17 39	5 48	2 19	2 8	3 56	1 54	5 15					
S 6	6 46	23 2	4 33	12 2	1 43	18 38	0 19	23 5	0 16	23 26	0 13	21 14	1 39	19 51	0 38	20 15	0 27	17 39	5 48	2 19	2 9	3 53	1 55	5 15					
S 7	6 23	26 29	5 3	11 23	1 45	18 24	0 15	23 7	0 14	23 26	0 13	21 14	1 39	19 51	0 38	20 15	0 27	17 39	5 48	2 19	2 10	3 49	1 57	5 15					
M 8	6 1	28 21	5 17	10 42	1 47	18 9	0 12	23 10	0 13	23 26	0 13	21 14	1 39	19 51	0 38	20 15	0 27	17 39	5 48	2 19	2 11	3 46	1 58	5 15					
T 9	5 38	28 38	5 13	9 59	1 48	17 55	0 8	23 12	0 12	23 26	0 13	21 14	1 40	19 52	0 38	20 14	0 27	17 39	5 48	2 19	2 13	3 42	1 59	5 15					
W10	5 16	27 25	4 55	9 16	1 48	17 39	0 5	23 14	0 11	23 26	0 13	21 14	1 40	19 52	0 38	20 14	0 27	17 39	5 48	2 19	2 14	3 39	2 0	5 15					
T 11	4 53	24 53	4 24	8 32	1 47	17 23	0 1	23 16	0 10	23 26	0 13	21 14	1 40	19 52	0 38	20 14	0 27	17 39	5 48	2 20	2 15	3 36	2 1	5 15					
F 12	4 30	21 16	3 41	7 46	1 46	17 7	0n 2	23 18	0 8	23 26	0 14	21 14	1 40	19 53	0 38	20 14	0 27	17 39	5 48	2 20	2 16	3 32	2 2	5 15					
S 13	4 7	16 49	2 49	7 0	1 44	16 50	0 6	23 20	0 7	23 26	0 14	21 14	1 40	19 53	0 38	20 13	0 27	17 39	5 48	2 20	2 18	3 29	2 3	5 15					
S 14	3 44	11 46	1 50	6 14	1 42	16 32	0 9	23 21	0 6	23 26	0 14	21 15	1 40	19 53	0 38	20 13	0 27	17 39	5 48	2 20	2 19	3 25	2 5	5 14					
M15	3 21	6 19	0 46	5 27	1 39	16 14	0 12	23 23	0 5	23 26	0 14	21 15	1 40	19 54	0 38	20 13	0 27	17 38	5 48	2 20	2 20	3 22	2 6	5 14					
T 16	2 58	0 40	0n19	4 40	1 36	15 56	0 15	23 24	0 3	23 26	0 14	21 15	1 40	19 54	0 38	20 12	0 27	17 38	5 49	2 20	2 21	3 18	2 7	5 14					
W17	2 35	5n 1	1 24	3 53	1 32	15 37	0 19	23 25	0 2	23 26	0 14	21 15	1 40	19 54	0 38	20 12	0 27	17 38	5 49	2 20	2 23	3 15	2 8	5 14					
T 18	2 12	10 32	2 25	3 5	1 28	15 18	0 22	23 26	0 1	23 26	0 14	21 15	1 40	19 55	0 38	20 12	0 27	17 38	5 49	2 20	2 24	3 12	2 9	5 14					
F 19	1 49	15 44	3 21	2 18	1 24	14 58	0 25	23 27	0n 1	23 26	0 14	21 15	1 41	19 55	0 38	20 12	0 27	17 38	5 49	2 20	2 25	3 8	2 10	5 14					
S 20	1 26	20 23	4 8	1 30	1 19	14 38	0 28	23 28	0 2	23 25	0 14	21 15	1 41	19 55	0 38	20 11	0 27	17 38	5 49	2 20	2 26	3 5	2 11	5 14					
S 21	1 2	24 15	4 44	0 43	1 13	14 17	0 31	23 29	0 3	23 25	0 14	21 15	1 41	19 55	0 38	20 11	0 27	17 38	5 49	2 21	2 28	3 1	2 13	5 14					
M22	0 39	27 4	5 8	0s 5	1 8	13 56	0 34	23 29	0 5	23 25	0 14	21 15	1 41	19 56	0 38	20 11	0 27	17 38	5 49	2 21	2 29	2 58	2 14	5 13					
T 23	0 15	28 33	5 18	0 52	1 2	13 35	0 37	23 30	0 6	23 25	0 14	21 15	1 41	19 56	0 38	20 10	0 27	17 38	5 49	2 21	2 30	2 54	2 15	5 13					
W24	0s 8	28 29	5 11	1 38	0 56	13 13	0 40	23 30	0 8	23 25	0 14	21 15	1 41	19 56	0 38	20 10	0 27	17 38	5 49	2 21	2 31	2 51	2 16	5 13					
T 25	0 31	26 42	4 46	2 25	0 50	12 51	0 42	23 31	0 9	23 25	0 15	21 15	1 41	19 56	0 38	20 10	0 27	17 38	5 49	2 21	2 33	2 47	2 17	5 13					
F 26	0 55	23 15	4 4	3 11	0 44	12 28	0 45	23 31	0 10	23 25	0 15	21 14	1 41	19 56	0 38	20 10	0 27	17 38	5 49	2 20	2 34	2 44	2 18	5 13					
S 27	1 18	18 18	3 6	3 56	0 38	12 5	0 48	23 31	0 12	23 24	0 15	21 14	1 41	19 57	0 38	20 10	0 27	17 37	5 49	2 20	2 35	2 41	2 19	5 13					
S 28	1 42	12 9	1 54	4 42	0 31	11 42	0 50	23 31	0 13	23 24	0 15	21 14	1 42	19 57	0 38	20 9	0 27	17 37	5 50	2 20	2 36	2 37	2 21	5 12					
M29	2 5	5 12	0 33	5 27	0 24	11 48	0 53	23 31	0 15	23 24	0 15	21 14	1 42	19 57	0 38	20 9	0 27	17 37	5 50	2 20	2 38	2 34	2 22	5 12					
T 30	2s28	2s 5	0s51	6s11	0n17	10n54	0n55	23n31	0n16	23s24	0s15	21n14	1s42	19s57	0s38	20n 9	0s27	17n37	5s50	2s20	2s39	2s30	2s23	5n12					

ASTRODIENST EPHEMERIS for the year 1913

geocentric

OCTOBER 1913

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 36 29	7 ^h 12'18"	18 ^h 26'	18 ^h 1	5 ^h 14'	8 ^h 1	9 ^h 6'	18°R10	3°R41	27 ^h 58'	1 ^h 9'	24°R 8	23 ^h 17'	23 ^h 45'	11°R37	W 1
T 2	0 40 25	8°11'22"	3 ^h 14'	19°38'	6°27'	8°30'	9°11'	18 ^h 10'	3 ^h 40'	27°59'	1°R 9	24 ^h 6'	23°13'	23°51'	11 ^h 35'	T 2
F 3	0 44 22	9°10'27"	18°2	21°15'	7°40'	9°0	9°16'	18°10'	3°40'	28°0	1°9	24°4	23°10'	23°58'	11°32'	F 3
S 4	0 48 18	10°9'34"	2 ^h 16'	22°50'	8°53'	9°28'	9°21'	18°10'	3°39'	28°1	1°9	24°2	23°7	24°5	11°30'	S 4
S 5	0 52 15	11°8'43"	16°2	24°24'	10°6'	9°57'	9°26'	18°9	3°39'	28°2	1°9	24°1	23°4	24°11'	11°28'	S 5
M 6	0 56 11	12°7'54"	29°22'	25°58'	11°19'	10°25'	9°32'	18°9	3°38'	28°3	1°9	23°59'	23°1	24°18'	11°25'	M 6
T 7	1 0 8	13°7'06"	12 ^h 16'	27°31'	12°32'	10°53'	9°38'	18°8	3°38'	28°4	1°8	23°D59'	22°57'	24°24'	11°23'	T 7
W 8	1 4 5	14°6'21"	24°48'	29°3	13°45'	11°21'	9°44'	18°8	3°38'	28°5	1°8	23°59'	22°54'	24°31'	11°21'	W 8
T 9	1 8 1	15°5'37"	7 ^h 2	0 ^h 135'	14°58'	11°48'	9°50'	18°7	3°37'	28°5	1°8	24°0	22°51'	24°38'	11°19'	T 9
F 10	1 11 58	16°4'55"	19°3	2°5	16°11'	12°15'	9°56'	18°6	3°37'	28°6	1°8	24°2	22°48'	24°44'	11°17'	F 10
S 11	1 15 54	17°4'14"	0 ^h 56'	3°35'	17°25'	12°41'	10°2	18°5	3°37'	28°7	1°8	24°4	22°45'	24°51'	11°14'	S 11
S 12	1 19 51	18°3'36"	12°44'	5°4	18°38'	13°8	10°9	18°4	3°37'	28°8	1°8	24°5	22°42'	24°58'	11°12'	S 12
M13	1 23 47	19°2'59"	24°31'	6°33'	19°52'	13°34'	10°16'	18°2	3°37'	28°8	1°7	24°R 5	22°38'	25°4	11°10'	M13
T 14	1 27 44	20°2'24"	6 ^h 20'	8°0	21°5	13°59'	10°23'	18°1	3°D37'	28°9	1°7	24°5	22°35'	25°11'	11°8	T 14
W15	1 31 40	21°1'51"	18°14'	9°27'	22°19'	14°24'	10°30'	18°0	3°37'	28°9	1°7	24°3	22°32'	25°18'	11°6	W15
T 16	1 35 37	22°1'20"	0 ^h 8'15"	10°53'	23°32'	14°49'	10°37'	17°58'	3°37'	28°10'	1°7	23°59'	22°29'	25°24'	11°4	T 16
F 17	1 39 34	23°0'52"	12°24'	12°18'	24°46'	15°14'	10°44'	17°56'	3°37'	28°10'	1°6	23°55'	22°26'	25°31'	11°2	F 17
S 18	1 43 30	24°0'25"	24°42'	13°43'	26°0	15°38'	10°52'	17°54'	3°37'	28°11'	1°6	23°50'	22°23'	25°38'	11°0	S 18
S 19	1 47 27	25°0'01"	7 ^h 12'	15°6	27°14'	16°1	10°59'	17°53'	3°37'	28°11'	1°5	23°44'	22°19'	25°44'	10°59'	S 19
M20	1 51 23	25°59'39"	19°54'	16°29'	28°27'	16°25'	11°7	17°51'	3°38'	28°12'	1°5	23°40'	22°16'	25°51'	10°57'	M20
T 21	1 55 20	26°59'19"	2 ^h 51'	17°50'	29°41'	16°48'	11°15'	17°48'	3°38'	28°12'	1°5	23°36'	22°13'	25°57'	10°55'	T 21
W22	1 59 16	27°59'02"	16°4	19°11'	0 ^h 55'	17°10'	11°23'	17°46'	3°38'	28°13'	1°4	23°34'	22°10'	26°4	10°53'	W22
T 23	2 3 13	28°58'46"	29°34'	20°31'	2°9	17°32'	11°31'	17°44'	3°39'	28°13'	1°4	23°D33'	22°7	26°11'	10°52'	T 23
F 24	2 7 9	29°58'33"	13 ^h 24'	21°49'	3°24'	17°54'	11°39'	17°41'	3°39'	28°13'	1°3	23°34'	22°3	26°17'	10°50'	F 24
S 25	2 11 6	0 ^h 158'22"	27°33'	23°6	4°38'	18°15'	11°48'	17°39'	3°40'	28°14'	1°3	23°35'	22°0	26°24'	10°49'	S 25
S 26	2 15 3	1°58'14"	12 ^h 0	24°22'	5°52'	18°36'	11°56'	17°36'	3°40'	28°14'	1°2	23°36'	21°57'	26°31'	10°47'	S 26
M27	2 18 59	2°58'07"	26°44'	25°36'	7°6	18°56'	12°5	17°34'	3°41'	28°14'	1°2	23°R37'	21°54'	26°37'	10°46'	M27
T 28	2 22 56	3°58'03"	11 ^h 38'	26°49'	8°20'	19°16'	12°14'	17°31'	3°42'	28°14'	1°1	23°35'	21°51'	26°44'	10°44'	T 28
W29	2 26 52	4°58'01"	26°35'	28°0	9°35'	19°35'	12°23'	17°28'	3°42'	28°14'	1°1	23°32'	21°48'	26°51'	10°43'	W29
T 30	2 30 49	5°58'01"	11 ^h 27'	29°9	10°49'	19°54'	12°32'	17°25'	3°43'	28°14'	1°0	23°27'	21°44'	26°57'	10°42'	T 30
F 31	2 34 45	6 ^h 158'02"	26 ^h 6	0 ^h 16'	12 ^h 4	20 ^h 12'	12 ^h 34'	17 ^h 22'	3 ^h 44'	28 ^h 14'	0 ^h 59'	23 ^h 40'	21 ^h 41'	27 ^h 4	10 ^h 40'	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	2s52	9s15	2s11	6s55	0n11	10n30	0n58	23n30	0n18	23s23	0s15	21n14	1s42	19s57	0s38	20n 9
T 2	3 15	15 48	3 21	7 38	0 4	10 5	1 0	23 30	0 19	23 23	0 15	21 14	1 42	19 57	0 38	20 8
F 3	3 38	21 19	4 16	8 21	0s 3	9 40	1 2	23 30	0 21	23 23	0 15	21 14	1 42	19 57	0 38	20 8
S 4	4 2	25 25	4 54	9 3	0 10	9 15	1 5	23 29	0 22	23 23	0 15	21 14	1 42	19 57	0 38	20 8
S 5	4 25	27 55	5 13	9 44	0 18	8 49	1 7	23 29	0 24	23 22	0 15	21 14	1 42	19 58	0 38	20 8
M 6	4 48	28 42	5 15	10 25	0 25	8 23	1 9	23 28	0 26	23 22	0 15	21 13	1 42	19 58	0 38	20 8
T 7	5 11	27 52	5 0	11 5	0 32	7 57	1 11	23 28	0 27	23 22	0 15	21 13	1 43	19 58	0 38	20 7
W 8	5 34	25 38	4 32	11 45	0 39	7 31	1 13	23 27	0 29	23 21	0 15	21 13	1 43	19 58	0 38	20 7
T 9	5 57	22 15	3 51	12 24	0 46	7 4	1 15	23 26	0 31	23 21	0 16	21 13	1 43	19 58	0 38	20 7
F 10	6 20	17 59	3 1	13 2	0 53	6 38	1 17	23 25	0 32	23 20	0 16	21 13	1 43	19 58	0 38	20 7
S 11	6 43	13 5	2 4	13 39	1 0	6 11	1 18	23 25	0 34	23 20	0 16	21 13	1 43	19 58	0 37	20 7
S 12	7 5	7 45	1 2	14 16	1 7	5 44	1 20	23 24	0 36	23 20	0 16	21 12	1 43	19 58	0 37	20 7
M13	7 28	2 9	0n 2	14 52	1 14	5 16	1 22	23 23	0 37	23 19	0 16	21 12	1 43	19 58	0 37	20 7
T 14	7 50	3n33	1 7	15 27	1 20	4 49	1 23	23 22	0 39	23 19	0 16	21 12	1 43	19 58	0 37	20 6
W15	8 13	9 8	2 9	16 1	1 27	4 21	1 25	23 21	0 41	23 18	0 16	21 12	1 43	19 58	0 37	20 6
T 16	8 35	14 28	3 6	16 35	1 34	3 53	1 26	23 20	0 43	23 18	0 16	21 12	1 43	19 58	0 37	20 6
F 17	8 57	19 17	3 54	17 7	1 40	3 25	1 27	23 19	0 45	23 17	0 16	21 11	1 43	19 58	0 37	20 6
S 18	9 19	23 22	4 33	17 39	1 46	2 57	1 28	23 18	0 46	23 17	0 16	21 11	1 44	19 58	0 37	20 6
S 19	9 41	26 27	4 59	18 10	1 52	2 28	1 30	23 17	0 48	23 16	0 16	21 11	1 44	19 58	0 37	20 6
M20	10 3	28 15	5 11	18 40	1 58	2 0	1 31	23 16	0 50	23 15	0 16	21 11	1 44	19 57	0 37	20 6
T 21	10 24	28 33	5 8	19 8	2 4	1 31	1 32	23 15	0 52	23 15	0 16	21 10	1 44	19 57	0 37	20 6
W22	10 46	27 16	4 49	19 36	2 9	1 3	1 33	23 14	0 54	23 14	0 16	21 10	1 44	19 57	0 37	20 6
T 23	11 7	24 22	4 13	20 3	2 15	0 34	1 33	23 14	0 56	23 14	0 16	21 10	1 44	19 57	0 37	20 6
F 24	11 28	20 2	3 22	20 29	2 20	0 5	1 34	23 13	0 58	23 13	0 16	21 9	1 44	19 57	0 37	20 6
S 25	11 49	14 29	2 17	20 53	2 24	0s23	1 35	23 12	1 0	23 12	0 17	21 9	1 44	19 57	0 37	20 5
S 26	12 10	8 2	1 3	21 17	2 29	0 52	1 35	23 11	1 2	23 12	0 17	21 9	1 44	19 57	0 37	20 5
M27	12 31	1 3	0s17	21 39	2 33	1 21	1 36	23 10	1 4	23 11	0 17	21 8	1 44	19 56	0 37	20 5
T 28	12 51	6s 5	1 36	22 0	2 37	1 50	1 36	23 9	1 6	23 10	0 17	21 8	1 44	19 56	0 37	20 5
W29	13 11	12 53	2 49	22 20	2 40	2 19	1 37	23 9	1 8	23 9	0 17	21 8	1 44	19 56	0 37	20 5
T 30	13 31	18 55	3 50	22 38	2 43	2 48	1 37	23 8	1 10	23 9	0 17	21 7	1 44	19 56	0 37	20 5
F 31	13s51	23s44	4s35	22s55	2s46	3s17	1n37	23n 8	1n12	23s 8	0s17	21n 7	1s44	19s56	0s37	20n 5

Julian Day Number = 2420041.5, Delta T = 16.00 sec
 Ecliptic obliquity = 23°27'12", Nutation = 0°00'01", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°32'08", Lahiri = 22°39'09"

ASTRODIENST EPHEMERIS for the year 1913
geocentric

NOVEMBER 1913

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 38 42	7♍58°06	10♊24	1♈21	13♏18	20♌30	12♎51	17°R19	3♏45	28°R14	0°R59	23°R13	21♋38	27♋11	10°R39	S 1
S 2	2 42 38	8°58'11	24°17	2°23	14°33	20°47	13° 0	17♊15	3°46	28♌14	0♌58	23♋ 6	21°35	27°17	10♋38	S 2
M 3	2 46 35	9°58'18	7♎42	3°22	15°47	21° 4	13°10	17°12	3°47	28°14	0°57	23° 0	21°32	27°24	10°37	M 3
T 4	2 50 32	10°58'27	20°40	4°18	17° 2	21°20	13°19	17° 9	3°48	28°14	0°57	22°56	21°28	27°31	10°36	T 4
W 5	2 54 28	11°58'37	3♏15	5°10	18°16	21°36	13°29	17° 5	3°49	28°14	0°56	22°53	21°25	27°37	10°35	W 5
T 6	2 58 25	12°58'48	15°30	5°58	19°31	21°51	13°39	17° 2	3°50	28°14	0°55	22°D53	21°22	27°44	10°34	T 6
F 7	3 2 21	13°59'01	27°31	6°41	20°46	22° 5	13°49	16°58	3°51	28°14	0°55	22°54	21°19	27°50	10°33	F 7
S 8	3 6 18	14°59'16	9♋22	7°19	22° 0	22°19	13°59	16°54	3°53	28°14	0°54	22°55	21°16	27°57	10°32	S 8
S 9	3 10 14	15°59'32	21° 9	7°52	23°15	22°32	14°10	16°50	3°54	28°13	0°53	22°R56	21°13	28° 4	10°32	S 9
M10	3 14 11	16°59'49	2♊56	8°18	24°30	22°45	14°20	16°46	3°55	28°13	0°52	22°55	21° 9	28°10	10°31	M10
T 11	3 18 7	18° 0'08	14°49	8°37	25°45	22°57	14°31	16°42	3°57	28°13	0°51	22°53	21° 6	28°17	10°30	T 11
W12	3 22 4	19° 0'29	26°50	8°48	26°59	23° 8	14°41	16°38	3°58	28°12	0°50	22°47	21° 3	28°24	10°30	W12
T 13	3 26 1	20° 0'51	9♎ 1	8°R51	28°14	23°19	14°52	16°34	4° 0	28°12	0°50	22°40	21° 0	28°30	10°29	T 13
F 14	3 29 57	21° 1'15	21°25	8°44	29°29	23°29	15° 3	16°30	4° 1	28°12	0°49	22°30	20°57	28°37	10°29	F 14
S 15	3 33 54	22° 1'40	4♊ 1	8°28	0♍44	23°38	15°14	16°26	4° 3	28°11	0°48	22°19	20°54	28°44	10°28	S 15
S 16	3 37 50	23° 2'07	16°50	8° 2	1°59	23°47	15°24	16°22	4° 4	28°11	0°47	22° 8	20°50	28°50	10°28	S 16
M17	3 41 47	24° 2'36	29°51	7°25	3°14	23°55	15°36	16°17	4° 6	28°10	0°46	21°57	20°47	28°57	10°28	M17
T 18	3 45 43	25° 3'07	13♎ 3	6°38	4°29	24° 2	15°47	16°13	4° 8	28°10	0°45	21°49	20°44	29° 4	10°27	T 18
W19	3 49 40	26° 3'39	26°27	5°41	5°44	24° 9	15°58	16° 9	4° 9	28° 9	0°44	21°42	20°41	29°10	10°27	W19
T 20	3 53 36	27° 4'13	10♏ 2	4°35	6°59	24°15	16° 9	16° 4	4°11	28° 8	0°43	21°39	20°38	29°17	10°27	T 20
F 21	3 57 33	28° 4'49	23°49	3°22	8°14	24°20	16°21	15°59	4°13	28° 8	0°42	21°D37	20°34	29°24	10°27	F 21
S 22	4 1 30	29° 5'27	7♎47	2° 4	9°29	24°24	16°32	15°55	4°15	28° 7	0°41	21°37	20°31	29°30	10°D27	S 22
S 23	4 5 26	0♊ 6'06	21°57	0°42	10°44	24°28	16°44	15°50	4°17	28° 6	0°40	21°R38	20°28	29°37	10°27	S 23
M24	4 9 23	1° 6'47	6♏18	29♍21	11°59	24°30	16°56	15°46	4°19	28° 6	0°39	21°37	20°25	29°43	10°27	M24
T 25	4 13 19	2° 7'30	20°47	28° 1	13°15	24°32	17° 8	15°41	4°21	28° 5	0°38	21°34	20°22	29°50	10°27	T 25
W26	4 17 16	3° 8'14	5♍20	26°47	14°30	24°34	17°19	15°36	4°23	28° 4	0°37	21°28	20°19	29°57	10°28	W26
T 27	4 21 12	4° 9'00	19°51	25°40	15°45	24°R34	17°31	15°31	4°25	28° 3	0°36	21°20	20°15	0♊ 3	10°28	T 27
F 28	4 25 9	5° 9'47	4♊14	24°42	17° 0	24°33	17°44	15°26	4°27	28° 2	0°35	21° 9	20°12	0°10	10°28	F 28
S 29	4 29 5	6°10'35	18°22	23°55	18°15	24°32	17°56	15°22	4°29	28° 1	0°34	20°56	20° 9	0°17	10°29	S 29
S 30	4 33 2	7♊11'25	2♎10	23♍19	19♍31	24♌30	18♎ 8	15♊17	4♏32	28♌ 1	0♌33	20♋44	20♋ 6	0♊23	10♋29	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s10	26s59	5s 1	23s11	2s48	3s45	1n37	23n 7	1n15	23s 7	0s17	21n 7	1s45	19s55	0s37	20n 5	0s27	17n35	5s52	2s42	3s19	0s40	2s53	5n 4	
S 2	14 30	28 28	5 9	23 25	2 49	4 14	1 37	23 7	1 17	23 6	0 17	21 6	1 45	19 55	0 37	20 5	0 27	17 35	5 52	2 45	3 20	0 37	2 54	5 3	
M 3	14 49	28 12	4 59	23 37	2 50	4 43	1 37	23 6	1 19	23 5	0 17	21 6	1 45	19 55	0 37	20 5	0 27	17 35	5 52	2 47	3 22	0 33	2 55	5 3	
T 4	15 8	26 22	4 34	23 48	2 50	5 12	1 37	23 6	1 21	23 4	0 17	21 6	1 45	19 55	0 37	20 5	0 27	17 35	5 52	2 49	3 23	0 30	2 55	5 3	
W 5	15 26	23 16	3 56	23 57	2 50	5 40	1 37	23 6	1 24	23 3	0 17	21 5	1 45	19 54	0 37	20 5	0 27	17 35	5 52	2 49	3 24	0 26	2 56	5 3	
T 6	15 45	19 11	3 8	24 5	2 49	6 9	1 37	23 6	1 26	23 2	0 17	21 5	1 45	19 54	0 37	20 5	0 27	17 35	5 52	2 50	3 25	0 23	2 57	5 2	
F 7	16 3	14 25	2 13	24 10	2 46	6 37	1 37	23 5	1 28	23 1	0 17	21 5	1 45	19 54	0 37	20 5	0 27	17 35	5 52	2 49	3 27	0 19	2 57	5 2	
S 8	16 21	9 11	1 13	24 14	2 43	7 5	1 36	23 6	1 31	23 0	0 17	21 4	1 45	19 53	0 37	20 5	0 27	17 35	5 52	2 49	3 28	0 16	2 58	5 2	
S 9	16 38	3 40	0 10	24 15	2 39	7 33	1 36	23 6	1 33	22 59	0 17	21 4	1 45	19 53	0 37	20 5	0 27	17 35	5 53	2 48	3 29	0 12	2 58	5 1	
M10	16 55	1n59	0n54	24 14	2 34	8 1	1 35	23 6	1 35	22 58	0 18	21 3	1 45	19 53	0 37	20 5	0 27	17 34	5 53	2 49	3 30	0 9	2 59	5 1	
T 11	17 12	7 36	1 55	24 11	2 27	8 29	1 35	23 6	1 38	22 57	0 18	21 3	1 45	19 52	0 37	20 6	0 27	17 34	5 53	2 50	3 32	0 5	3 0	5 1	
W12	17 29	13 1	2 51	24 5	2 19	8 57	1 34	23 7	1 40	22 56	0 18	21 3	1 45	19 52	0 37	20 6	0 27	17 34	5 53	2 52	3 33	0 2	3 0	5 0	
T 13	17 45	18 0	3 41	23 56	2 10	9 24	1 33	23 8	1 43	22 55	0 18	21 2	1 45	19 52	0 37	20 6	0 27	17 34	5 53	2 55	3 34	0n 1	3 1	5 0	
F 14	18 1	22 19	4 21	23 44	1 59	9 51	1 33	23 8	1 45	22 54	0 18	21 2	1 45	19 51	0 37	20 6	0 27	17 34	5 53	2 59	3 35	0 5	3 1	5 0	
S 15	18 17	25 41	4 49	23 29	1 47	10 18	1 32	23 9	1 48	22 53	0 18	21 1	1 45	19 51	0 37	20 6	0 27	17 34	5 53	3 3	3 37	0 8	3 1	4 59	
S 16	18 33	27 49	5 2	23 11	1 33	10 45	1 31	23 10	1 50	22 52	0 18	21 1	1 45	19 50	0 37	20 6	0 27	17 34	5 53	3 7	3 38	0 12	3 2	4 59	
M17	18 48	28 28	5 1	22 50	1 18	11 11	1 30	23 11	1 53	22 50	0 18	21 0	1 45	19 50	0 37	20 6	0 27	17 34	5 53	3 12	3 39	0 15	3 2	4 59	
T 18	19 2	27 31	4 43	22 25	1 1	11 38	1 29	23 13	1 56	22 49	0 18	21 0	1 45	19 50	0 37	20 6	0 27	17 34	5 53	3 15	3 40	0 19	3 3	4 58	
W19	19 17	24 58	4 10	21 58	0 42	12 4	1 28	23 14	1 58	22 48	0 18	21 0	1 45	19 49	0 36	20 6	0 27	17 34	5 53	3 17	3 42	0 22	3 3	4 58	
T 20	19 31	20 59	3 22	21 27	0 23	12 29	1 26	23 16	2 1	22 47	0 18	20 59	1 45	19 49	0 36	20 6	0 27	17 34	5 53	3 19	3 43	0 26	3 4	4 58	
F 21	19 45	15 50	2 22	20 53	0 3	12 55	1 25	23 17	2 4	22 45	0 18	20 59	1 45	19 48	0 36	20 7	0 27	17 34	5 53	3 19	3 44	0 29	3 4	4 57	
S 22	19 58	9 47	1 13	20 18	0n18	13 20	1 24	23 19	2 6	22 44	0 18	20 58	1 45	19 48	0 36	20 7	0 27	17 34	5 53	3 19	3 45	0 32	3 4	4 57	
S 23	20 11	3 10	0s 2	19 41	0 38	13 45	1 23	23 21	2 9	22 42	0 18	20 58	1 45	19 47	0 36	20 7	0 27	17 34	5 53	3 19	3 47	0 36	3 4	4 57	
M24	20 24	3s41	1 17	19 4	0 58	14 9	1 21	23 24	2 12	22 41	0 18	20 57	1 45	19 47	0 36	20 7	0 27	17 34	5 53	3 20	3 48	0 39	3 5	4 56	
T 25	20 36	10 24	2 28	18 29	1 17	14 33	1 20	23 26	2 15	22 40	0 18	20 57	1 45	19 46	0 36	20 7	0 27	17 34	5 53	3 21	3 49	0 43	3 5	4 56	
W26	20 48	16 36	3 30	17 55	1 34	14 57	1 18	23 29	2 17	22 38	0 19	20 56	1 45	19 46	0 36	20 7	0 27	17 34	5 53	3 23	3 50	0 46	3 5	4 56	
T 27	20 59	21 50	4 18	17 25	1 50	15 21	1 17	23 31	2 20	22 37	0 19	20 56	1 45	19 45	0 36	20 7	0 27	17 34	5 53	3 26	3 52	0 50	3 5	4 55	
F 28	21 10	25 43	4 48	16 58	2 3	15 43	1 15	23 34	2 23	22 35	0 19	20 55	1 45	19 45	0 36	20 8	0 27	17 34	5 53	3 31	3 53	0 53	3 6	4 55	
S 29	21 21	27 56	5 1	16 36	2 14	16 6	1 13	23 37	2 26	22 34	0 19	20 55	1 45	19 44	0 36	20 8	0 27	17 34	5 53	3 36	3 54	0 57	3 6	4 55	
S 30	21s31	28s21	4s55	16s18	2n23	16s28	1n12	23n40	2n29	22s32	0s19	20n54	1s45	19s44	0s36	20n 8	0s27	17n34	5s53	3s40	3s55	1n 0	3s 6	4n54	

ASTRODIENST EPHEMERIS for the year 1913

geocentric

DECEMBER 1913

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	4 36 59	8♌12'16	15♋34	22°R55	20♌46	24°R27	18♋20	15°R12	4♎34	28°R 0	0°R32	20°R33	20♈ 3	0°Y30	10♉29	M 1
T 2	4 40 55	9°13'08	28°34	22♌42	22° 1	24♋23	18°33	15♎ 7	4°36	27♋59	0♋31	20♈25	20° 0	0°37	10°30	T 2
W 3	4 44 52	10°14'00	11♌10	22°D40	23°16	24°18	18°45	15° 2	4°39	27°58	0°30	20°19	19°56	0°43	10°31	W 3
T 4	4 48 48	11°14'54	23°27	22°48	24°32	24°13	18°57	14°57	4°41	27°57	0°29	20°16	19°53	0°50	10°31	T 4
F 5	4 52 45	12°15'48	5♈29	23° 6	25°47	24° 6	19°10	14°52	4°43	27°56	0°27	20°15	19°50	0°57	10°32	F 5
S 6	4 56 41	13°16'43	17°21	23°33	27° 2	23°59	19°23	14°47	4°46	27°54	0°26	20°15	19°47	1° 3	10°33	S 6
S 7	5 0 38	14°17'38	29° 8	24° 7	28°18	23°51	19°35	14°42	4°48	27°53	0°25	20°15	19°44	1°10	10°34	S 7
M 8	5 4 35	15°18'35	10°Y57	24°49	29°33	23°42	19°48	14°37	4°51	27°52	0°24	20°13	19°40	1°17	10°35	M 8
T 9	5 8 31	16°19'32	22°52	25°36	0♌48	23°32	20° 1	14°32	4°54	27°51	0°23	20°10	19°37	1°23	10°36	T 9
W10	5 12 28	17°20'30	4♋58	26°29	2° 4	23°21	20°14	14°27	4°56	27°50	0°22	20° 3	19°34	1°30	10°37	W10
T 11	5 16 24	18°21'28	17°19	27°27	3°19	23°10	20°27	14°23	4°59	27°49	0°20	19°54	19°31	1°36	10°38	T 11
F 12	5 20 21	19°22'28	29°55	28°29	4°34	22°58	20°40	14°18	5° 2	27°47	0°19	19°42	19°28	1°43	10°39	F 12
S 13	5 24 17	20°23'28	12♎49	29°35	5°50	22°44	20°53	14°13	5° 4	27°46	0°18	19°29	19°25	1°50	10°40	S 13
S 14	5 28 14	21°24'28	26° 0	0♌44	7° 5	22°31	21° 6	14° 8	5° 7	27°45	0°17	19°15	19°21	1°56	10°41	S 14
M15	5 32 10	22°25'30	9♋25	1°56	8°20	22°16	21°19	14° 3	5°10	27°44	0°16	19° 2	19°18	2° 3	10°43	M15
T 16	5 36 7	23°26'32	23° 3	3°10	9°36	22° 0	21°32	13°58	5°13	27°42	0°15	18°51	19°15	2°10	10°44	T 16
W17	5 40 4	24°27'35	6♎49	4°26	10°51	21°44	21°46	13°53	5°15	27°41	0°13	18°43	19°12	2°16	10°45	W17
T 18	5 44 0	25°28'39	20°42	5°44	12° 7	21°27	21°59	13°48	5°18	27°40	0°12	18°38	19° 9	2°23	10°47	T 18
F 19	5 47 57	26°29'44	4♎40	7° 4	13°22	21°10	22°12	13°44	5°21	27°38	0°11	18°36	19° 6	2°30	10°48	F 19
S 20	5 51 53	27°30'50	18°41	8°25	14°37	20°51	22°26	13°39	5°24	27°37	0°10	18°D36	19° 2	2°36	10°50	S 20
S 21	5 55 50	28°31'56	2♌45	9°47	15°53	20°33	22°39	13°34	5°27	27°35	0° 9	18°R36	18°59	2°43	10°51	S 21
M22	5 59 46	29°33'03	16°51	11°11	17° 8	20°13	22°53	13°30	5°30	27°34	0° 7	18°35	18°56	2°50	10°53	M22
T 23	6 3 43	0♋34'11	0♌58	12°35	18°24	19°53	23° 6	13°25	5°33	27°32	0° 6	18°32	18°53	2°56	10°55	T 23
W24	6 7 39	1°35'20	15° 5	14° 1	19°39	19°32	23°20	13°20	5°36	27°31	0° 5	18°26	18°50	3° 3	10°57	W24
T 25	6 11 36	2°36'29	29° 9	15°27	20°55	19°11	23°33	13°16	5°39	27°30	0° 4	18°17	18°46	3°10	10°58	T 25
F 26	6 15 33	3°37'39	13♌ 5	16°53	22°10	18°49	23°47	13°11	5°42	27°28	0° 3	18° 6	18°43	3°16	11° 0	F 26
S 27	6 19 29	4°38'49	26°50	18°21	23°26	18°27	24° 1	13° 7	5°45	27°26	0° 1	17°54	18°40	3°23	11° 2	S 27
S 28	6 23 26	5°40'00	10♋20	19°49	24°41	18° 4	24°15	13° 2	5°48	27°25	0° 0	17°41	18°37	3°30	11° 4	S 28
M29	6 27 22	6°41'11	23°31	21°17	25°57	17°41	24°28	12°58	5°52	27°23	29♎59	17°30	18°34	3°36	11° 6	M29
T 30	6 31 19	7°42'21	6♋23	22°46	27°12	17°18	24°42	12°54	5°55	27°22	29°58	17°21	18°31	3°43	11° 8	T 30
W31	6 35 15	8♋43'32	18♌56	24♌16	28♌27	16♋55	24♋56	12♎50	5♌58	27♋20	29♎57	17♈14	18♈27	3°Y49	11♉10	W31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	21s41	27s 4	4s33	16s 5	2n30	16s50	1n10	23n44	2n32	22s31	0s19	20n54	1s44	19s43
T 2	21 51	24 20	3 58	15 57	2 35	17 11	1 8	23 47	2 35	22 29	0 19	20 54	1 44	19 42
W 3	22 0	20 30	3 11	15 54	2 38	17 32	1 6	23 51	2 37	22 27	0 19	20 53	1 44	19 42
T 4	22 8	15 52	2 17	15 54	2 40	17 53	1 4	23 55	2 40	22 26	0 19	20 53	1 44	19 41
F 5	22 17	10 42	1 17	15 59	2 40	18 12	1 2	23 59	2 43	22 24	0 19	20 52	1 44	19 41
S 6	22 24	5 14	0 15	16 7	2 39	18 32	1 0	24 3	2 46	22 22	0 19	20 52	1 44	19 40
S 7	22 32	0n23	0n47	16 17	2 36	18 51	0 58	24 7	2 49	22 20	0 19	20 51	1 44	19 39
M 8	22 39	5 59	1 47	16 31	2 33	19 9	0 56	24 12	2 52	22 19	0 19	20 51	1 44	19 39
T 9	22 45	11 26	2 43	16 46	2 29	19 27	0 54	24 16	2 55	22 17	0 19	20 50	1 44	19 38
W10	22 51	16 32	3 33	17 3	2 24	19 44	0 52	24 21	2 58	22 15	0 19	20 50	1 44	19 38
T 11	22 57	21 4	4 13	17 22	2 18	20 1	0 50	24 26	3 0	22 13	0 20	20 49	1 44	19 37
F 12	23 2	24 45	4 42	17 41	2 12	20 17	0 48	24 31	3 3	22 11	0 20	20 49	1 44	19 36
S 13	23 6	27 16	4 58	18 2	2 5	20 33	0 45	24 36	3 6	22 9	0 20	20 48	1 43	19 36
S 14	23 10	28 21	4 58	18 23	1 59	20 48	0 43	24 41	3 9	22 7	0 20	20 48	1 43	19 35
M15	23 14	27 48	4 41	18 44	1 51	21 2	0 41	24 46	3 12	22 5	0 20	20 47	1 43	19 34
T 16	23 17	25 34	4 9	19 6	1 44	21 16	0 38	24 51	3 14	22 3	0 20	20 47	1 43	19 33
W17	23 20	21 50	3 21	19 28	1 37	21 29	0 36	24 56	3 17	22 1	0 20	20 47	1 43	19 33
T 18	23 23	16 50	2 22	19 49	1 29	21 42	0 34	25 2	3 20	21 59	0 20	20 46	1 43	19 32
F 19	23 24	10 56	1 13	20 10	1 21	21 54	0 31	25 7	3 22	21 57	0 20	20 46	1 43	19 31
S 20	23 26	4 28	0s 0	20 31	1 13	22 5	0 29	25 12	3 25	21 55	0 20	20 45	1 43	19 31
S 21	23 27	2s14	1 14	20 51	1 5	22 16	0 27	25 18	3 27	21 53	0 20	20 45	1 42	19 30
M22	23 27	8 50	2 24	21 11	0 58	22 26	0 24	25 23	3 30	21 51	0 20	20 44	1 42	19 29
T 23	23 27	15 0	3 24	21 30	0 50	22 35	0 22	25 28	3 32	21 49	0 20	20 44	1 42	19 28
W24	23 27	20 23	4 12	21 48	0 42	22 44	0 19	25 34	3 34	21 46	0 20	20 44	1 42	19 28
T 25	23 26	24 36	4 45	22 6	0 34	22 52	0 17	25 39	3 37	21 44	0 21	20 43	1 42	19 27
F 26	23 24	27 20	5 0	22 22	0 26	22 59	0 14	25 44	3 39	21 42	0 21	20 43	1 42	19 26
S 27	23 22	28 22	4 58	22 38	0 19	23 5	0 12	25 50	3 41	21 39	0 21	20 42	1 41	19 25
S 28	23 20	27 41	4 38	22 53	0 11	23 11	0 10	25 55	3 43	21 37	0 21	20 42	1 41	19 25
M29	23 17	25 25	4 4	23 6	0 4	23 16	0 7	26 0	3 45	21 35	0 21	20 42	1 41	19 24
T 30	23 14	21 54	3 19	23 19	0s 4	23 21	0 5	26 4	3 46	21 32	0 21	20 41	1 41	19 23
W31	23s10	17s26	2s24	23s31	0s11	23s24	0n 2	26n 9	3n48	21s30	0s21	20n41	1s41	19s22

Julian Day Number = 2420102.5, Delta T = 16.20 sec
 Ecliptic obliquity = 23°27'10, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°32'17, Lahiri = 22°39'17