



Astrodienst Ephemeris Tables for the year 1909

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 1909

geocentric

JANUARY 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 40 1	9♂57'27	2♂37	14♂33	11♂22	23♂56	14°R31	3°Y56	16♂35	15°R53	24°R32	25♂54	25♂6	10♂31	20♂23	F 1
S 2	6 43 57	10°58'36	16°11	16°11	12°37	24°35	14♂31	3°59	16°39	15♂51	24♂31	25°55	25°2	10°37	20°27	S 2
S 3	6 47 54	11°59'45	29°31	17°49	13°51	25°15	14°30	4°2	16°42	15°49	24°30	25°56	24°59	10°44	20°30	S 3
M 4	6 51 50	13°0'54	12♂37	19°27	15°6	25°55	14°29	4°5	16°46	15°48	24°29	25°58	24°56	10°51	20°34	M 4
T 5	6 55 47	14°2'02	25°32	21°6	16°21	26°35	14°29	4°8	16°49	15°46	24°28	25°R58	24°53	10°57	20°38	T 5
W 6	6 59 43	15°3'11	8♂14	22°45	17°35	27°14	14°27	4°11	16°53	15°44	24°27	25°58	24°50	11°4	20°41	W 6
T 7	7 3 40	16°4'19	20°44	24°24	18°50	27°54	14°26	4°14	16°57	15°43	24°26	25°56	24°46	11°11	20°45	T 7
F 8	7 7 37	17°5'27	3♂4	26°3	20°4	28°34	14°25	4°17	17°0	15°41	24°25	25°53	24°43	11°18	20°49	F 8
S 9	7 11 33	18°6'34	15°13	27°43	21°19	29°14	14°23	4°21	17°4	15°39	24°23	25°50	24°40	11°24	20°53	S 9
S 10	7 15 30	19°7'42	27°14	29°23	22°34	29°53	14°21	4°24	17°7	15°37	24°22	25°46	24°37	11°31	20°56	S 10
M 11	7 19 26	20°8'50	9♂9	18°2	23°48	0♂33	14°19	4°28	17°11	15°36	24°21	25°42	24°34	11°38	21°0	M 11
T 12	7 23 23	21°9'57	21°1	2°42	25°3	1°13	14°17	4°32	17°14	15°34	24°20	25°38	24°31	11°44	21°4	T 12
W 13	7 27 19	22°11'04	2♂53	4°21	26°18	1°53	14°14	4°35	17°18	15°32	24°19	25°35	24°27	11°51	21°8	W 13
T 14	7 31 16	23°12'11	14°50	6°0	27°33	2°33	14°11	4°39	17°22	15°31	24°18	25°33	24°24	11°58	21°12	T 14
F 15	7 35 12	24°13'18	26°56	7°39	28°47	3°13	14°9	4°43	17°25	15°29	24°17	25°D33	24°21	12°5	21°16	F 15
S 16	7 39 9	25°14'25	9♂15	9°17	0♂2	3°53	14°6	4°47	17°29	15°27	24°16	25°34	24°18	12°11	21°20	S 16
S 17	7 43 5	26°15'31	21°54	10°54	1°17	4°33	14°2	4°52	17°32	15°26	24°15	25°35	24°15	12°18	21°24	S 17
M 18	7 47 2	27°16'37	4♂55	12°30	2°32	5°12	13°59	4°56	17°36	15°24	24°14	25°37	24°12	12°25	21°28	M 18
T 19	7 50 59	28°17'43	18°22	14°4	3°46	5°52	13°55	5°0	17°39	15°22	24°13	25°38	24°8	12°32	21°32	T 19
W 20	7 54 55	29°18'49	2♂15	15°37	5°1	6°32	13°52	5°4	17°43	15°21	24°12	25°R38	24°5	12°38	21°36	W 20
T 21	7 58 52	0♂19'54	16°34	17°8	6°16	7°12	13°48	5°9	17°46	15°19	24°11	25°37	24°2	12°45	21°40	T 21
F 22	8 2 48	1°20'58	1♂14	18°35	7°31	7°52	13°43	5°14	17°50	15°17	24°10	25°33	23°59	12°52	21°44	F 22
S 23	8 6 45	2°22'02	16°9	20°0	8°46	8°32	13°39	5°18	17°53	15°16	24°10	25°28	23°56	12°58	21°48	S 23
S 24	8 10 41	3°23'05	1♂9	21°21	10°1	9°12	13°35	5°23	17°57	15°14	24°9	25°23	23°52	13°5	21°52	S 24
M 25	8 14 38	4°24'06	16°6	22°37	11°15	9°52	13°30	5°28	18°0	15°13	24°8	25°17	23°49	13°12	21°56	M 25
T 26	8 18 35	5°25'07	0♂Y1	23°48	12°30	10°32	13°25	5°33	18°4	15°11	24°7	25°11	23°46	13°19	22°0	T 26
W 27	8 22 31	6°26'06	15°18	24°53	13°45	11°12	13°20	5°38	18°7	15°9	24°6	25°8	23°43	13°25	22°4	W 27
T 28	8 26 28	7°27'05	29°24	25°51	15°0	11°52	13°15	5°43	18°11	15°8	24°5	25°6	23°40	13°32	22°8	T 28
F 29	8 30 24	8°28'02	13♂8	26°42	16°15	12°32	13°10	5°48	18°14	15°6	24°4	25°D5	23°37	13°39	22°13	F 29
S 30	8 34 21	9°28'57	26°30	27°24	17°30	13°12	13°5	5°53	18°17	15°5	24°4	25°6	23°33	13°45	22°17	S 30
S 31	8 38 17	10♂29'52	9♂34	27♂58	18♂44	13♂52	12♂59	5°Y58	18♂21	15♂3	24♂3	25♂8	23♂30	13♂52	22♂21	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
F 1	23s 5	8n25	4s14	24s40	2s 1	20s56	1n14	18s16	0n30	7n12	1n11	0s39	2s25	22s49	0s24	21n44	0s47	15n59	7s22	23n23	23n22	12n14	8s58	6n 2	
S 2	23 0	13 27	3 23	24 31	2 3	21 8	1 12	18 27	0 30	7 12	1 12	0 38	2 25	22 49	0 24	21 44	0 47	15 59	7 22	23 23	23 21	12 12	8 57	6 2	
S 3	22 55	17 46	2 21	24 20	2 5	21 20	1 9	18 37	0 29	7 13	1 12	0 36	2 24	22 48	0 24	21 44	0 47	15 59	7 22	23 23	23 21	12 9	8 57	6 1	
M 4	22 49	21 7	1 13	24 7	2 6	21 31	1 7	18 47	0 29	7 13	1 12	0 35	2 24	22 48	0 24	21 45	0 47	15 59	7 22	23 23	23 21	12 7	8 56	6 1	
T 5	22 43	23 20	0 2	23 53	2 7	21 41	1 4	18 57	0 28	7 14	1 12	0 34	2 24	22 48	0 24	21 45	0 47	15 59	7 21	23 23	23 21	12 5	8 55	6 1	
W 6	22 36	24 19	1n 7	23 38	2 8	21 51	1 2	19 6	0 27	7 14	1 13	0 32	2 24	22 47	0 24	21 45	0 47	15 59	7 21	23 23	23 21	12 2	8 54	6 1	
T 7	22 29	24 2	2 12	23 21	2 8	22 0	0 59	19 16	0 27	7 15	1 13	0 31	2 23	22 47	0 24	21 45	0 47	15 59	7 21	23 23	23 21	12 0	8 53	6 0	
F 8	22 21	22 34	3 10	23 2	2 7	22 8	0 57	19 25	0 26	7 16	1 13	0 29	2 23	22 46	0 24	21 45	0 47	15 59	7 21	23 23	23 21	11 57	8 52	6 0	
S 9	22 14	20 5	3 59	22 42	2 7	22 16	0 54	19 35	0 26	7 17	1 14	0 28	2 23	22 46	0 24	21 46	0 47	15 59	7 21	23 23	23 21	11 55	8 51	6 0	
S 10	22 5	16 45	4 36	22 20	2 5	22 23	0 52	19 44	0 25	7 18	1 14	0 26	2 23	22 45	0 24	21 46	0 47	15 59	7 21	23 23	23 20	11 53	8 50	6 0	
M 11	21 56	12 47	5 1	21 56	2 3	22 29	0 49	19 53	0 24	7 19	1 14	0 24	2 23	22 45	0 24	21 46	0 47	15 59	7 21	23 23	23 20	11 50	8 49	5 59	
T 12	21 47	8 21	5 12	21 32	2 1	22 35	0 47	20 2	0 24	7 20	1 14	0 23	2 22	22 44	0 24	21 46	0 47	16 0	7 21	23 23	23 20	11 48	8 48	5 59	
W 13	21 37	3 37	5 11	21 5	1 58	22 40	0 44	20 10	0 23	7 21	1 15	0 21	2 22	22 44	0 24	21 46	0 47	16 0	7 21	23 23	23 20	11 45	8 47	5 59	
T 14	21 27	1s18	4 56	20 37	1 54	22 44	0 41	20 19	0 23	7 23	1 15	0 19	2 22	22 44	0 24	21 47	0 47	16 0	7 20	23 23	23 20	11 43	8 46	5 59	
F 15	21 17	6 13	4 28	20 8	1 50	22 48	0 39	20 27	0 22	7 24	1 15	0 17	2 22	22 43	0 24	21 47	0 47	16 0	7 20	23 23	23 20	11 41	8 45	5 59	
S 16	21 6	11 0	3 47	19 37	1 45	22 51	0 36	20 35	0 21	7 25	1 15	0 16	2 21	22 43	0 24	21 47	0 47	16 0	7 20	23 23	23 20	11 38	8 44	5 58	
S 17	20 55	15 27	2 54	19 5	1 39	22 53	0 33	20 43	0 21	7 27	1 16	0 14	2 21	22 42	0 24	21 47	0 47	16 0	7 20	23 23	23 20	11 36	8 43	5 58	
M 18	20 43	19 19	1 51	18 32	1 32	22 55	0 31	20 51	0 20	7 28	1 16	0 12	2 21	22 42	0 24	21 47	0 47	16 0	7 20	23 23	23 19	11 33	8 42	5 58	
T 19	20 31	22 17	0 40	17 58	1 25	22 56	0 28	20 59	0 19	7 30	1 16	0 10	2 21	22 41	0 24	21 48	0 47	16 0	7 20	23 23	23 19	11 31	8 41	5 58	
W 20	20 18	24 2	0s36	17 23	1 17	22 56	0 25	21 6	0 19	7 32	1 16	0 8	2 21	22 41	0 24	21 48	0 47	16 0	7 20	23 23	23 19	11 29	8 40	5 58	
T 21	20 5	24 16	1 52	16 48	1 8	22 56	0 22	21 14	0 18	7 33	1 17	0 6	2 20	22 40	0 24	21 48	0 47	16 0	7 19	23 23	23 19	11 26	8 39	5 57	
F 22	19 52	22 51	3 2	16 11	0 58	22 55	0 20	21 21	0 17	7 35	1 17	0 4	2 20	22 40	0 24	21 48	0 47	16 1	7 19	23 23	23 19	11 24	8 38	5 57	
S 23	19 39	19 49	4 0	15 35	0 48	22 53	0 17	21 28	0 17	7 37	1 17	0 2	2 20	22 40	0 24	21 48	0 47	16 1	7 19	23 22	23 19	11 21	8 37	5 57	
S 24	19 25	15 28	4 43	14 58	0 36	22 50	0 14	21 35	0 16	7 39	1 17	0 0	2 20	22 39	0 24	21 49	0 46	16 1	7 19	23 22	23 19	11 19	8 35	5 57	
M 25	19 10	10 11	5 6	14 21	0 24	22 47	0 12	21 41	0 15	7 41	1 18	0n 2	2 20	22 39	0 24	21 49	0 46	16 1	7 19	23 22	23 18	11 16	8 34	5 57	
T 26	18 55	4 23	5 8	13 46	0 10	22 43	0 9	21 48	0 14	7 43	1 18	0 4	2 19	22 38	0 24	21 49	0 46	16 1	7 19	23 22	23 18	11 14	8 33	5 57	
W 27	18 40	1n33	4 51	13 11	0n 4	22 38	0 6	21 54	0 14	7 45	1 18	0 6	2 19	22 38	0 25	21 49	0 46	16 1	7 19	23 22	23 18	11 11	8 32	5 56	
T 28	18 25	7 16	4 16	12 37	0 19	22 33	0 3	22 1	0 13	7 47	1 18	0 8	2 19	22 37	0 25	21 49	0 46	16 1	7 18	23 22	23 18	11 9	8 31	5 56	
F 29	18 9	12 29	3 28	12 5	0 34	22 27	0 1	22 6	0 12	7 50	1 19	0 11	2 19	22 37	0 25	21 50	0 46	16 1	7 18	23 22	23 18	11 6	8 29	5 56	
S 30	17 53	16 58	2 29	11 35	0 51	22 20	0s 2	22 12	0 12	7 52	1 19	0 13	2 19	22 36	0 25	21 50	0 46	16 1	7 18	23 22	23 18	11 4	8 28	5 56	
S 31	17s37	20n31	1s23	11s 8	1n 7	22s13	0s 5	22s18	0n11	7n54	1n19	0n15	2s19	22s36	0s25	21n50	0s46	16n 2	7s18	23n22	23n18	11n 2	8s27	5n50	

ASTRODIENST EPHEMERIS for the year 1909

geocentric

FEBRUARY 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 42 14	11 ³⁰ 45	22 ¹¹ 22	28 ²² 21	19 ³⁸ 59	14 ²⁷ 32	12 ⁰⁸ 53	6 ⁰⁷ 4	18 ³² 24	15 ⁰⁸ 2	24 ⁰⁸ 2	25 ⁰⁸ 9	23 ¹¹ 27	13 ¹⁰ 59	22 ²² 25	M 1
T 2	8 46 10	12 ⁰³ 17	4 ⁵⁶ 56	28 ⁰³ 33	21 ⁰¹ 14	15 ⁰¹ 12	12 ¹⁰ 48	6 ⁰⁹ 9	18 ⁰² 27	15 ⁰⁰ 0	24 ¹¹ 1	25 ¹¹ 8	23 ⁰² 24	14 ⁰⁶ 6	22 ²² 29	T 2
W 3	8 50 7	13 ⁰³ 28	17 ⁰² 20	28 ⁰⁸ R35	22 ⁰² 29	15 ⁰⁵ 53	12 ⁰⁴ 2	6 ⁰¹ 5	18 ⁰³ 1	14 ⁰⁵ 9	24 ⁰¹ 1	25 ⁰⁶ 6	23 ⁰² 21	14 ⁰¹ 2	22 ⁰³ 4	W 3
T 4	8 54 4	14 ⁰³ 31	29 ⁰³ 34	28 ⁰² 26	23 ⁰⁴ 44	16 ⁰³ 33	12 ⁰³ 35	6 ⁰² 10	18 ⁰³ 34	14 ⁰⁵ 8	24 ⁰⁰ 0	25 ⁰¹ 1	23 ⁰¹ 18	14 ⁰¹ 19	22 ⁰³ 8	T 4
F 5	8 58 0	15 ⁰³ 40	11 ⁰² 42	28 ⁰⁵ 5	24 ⁰⁵ 59	17 ⁰¹ 13	12 ⁰² 29	6 ⁰² 26	18 ⁰³ 37	14 ⁰⁵ 6	23 ⁰⁵ 9	24 ⁰⁵ 3	23 ⁰¹ 14	14 ⁰² 26	22 ⁰⁴ 2	F 5
S 6	9 1 57	16 ⁰³ 45	23 ⁰⁴ 44	27 ⁰³ 34	26 ⁰¹ 13	17 ⁰⁵ 53	12 ⁰² 23	6 ⁰³ 31	18 ⁰⁴ 1	14 ⁰⁵ 5	23 ⁰⁵ 9	24 ⁰⁴ 4	23 ⁰¹ 11	14 ⁰³ 33	22 ⁰⁴ 6	S 6
S 7	9 5 53	17 ⁰³ 53	5 ¹⁰ 40	26 ⁰⁵ 53	27 ⁰² 28	18 ⁰³ 33	12 ⁰¹ 16	6 ⁰³ 37	18 ⁰⁴ 4	14 ⁰⁵ 3	23 ⁰⁵ 8	24 ⁰³ 3	23 ⁰⁸ 8	14 ⁰³ 39	22 ⁰⁵ 1	S 7
M 8	9 9 50	18 ⁰³ 56	17 ⁰³ 34	26 ⁰⁶ 3	28 ⁰⁴ 3	19 ⁰¹ 13	12 ⁰¹ 10	6 ⁰⁴ 3	18 ⁰⁴ 7	14 ⁰⁵ 2	23 ⁰⁵ 7	24 ⁰² 2	23 ⁰⁵ 5	14 ⁰⁴ 46	22 ⁰⁵ 5	M 8
T 9	9 13 46	19 ⁰³ 56	29 ⁰² 25	25 ⁰⁶ 6	29 ⁰⁵ 8	19 ⁰⁵ 53	12 ⁰³ 3	6 ⁰⁴ 9	18 ⁰⁵ 0	14 ⁰⁵ 1	23 ⁰⁵ 7	24 ⁰¹ 2	23 ⁰² 2	14 ⁰⁵ 3	22 ⁰⁵ 9	T 9
W10	9 17 43	20 ⁰³ 48	11 ⁰¹ 18	24 ⁰³ 3	1 ⁰⁰ 13	20 ⁰³ 33	11 ⁰⁵ 6	6 ⁰⁵ 5	18 ⁰⁵ 3	14 ⁰⁴ 9	23 ⁰⁵ 6	24 ⁰³ 3	22 ⁰⁵ 8	14 ⁰⁵ 9	23 ⁰³ 3	W10
T 11	9 21 39	21 ⁰³ 48	23 ⁰¹ 14	22 ⁰⁵ 55	2 ⁰² 28	21 ⁰¹ 14	11 ⁰⁴ 9	7 ⁰¹ 1	18 ⁰⁵ 7	14 ⁰⁴ 8	23 ⁰⁵ 6	23 ⁰⁵ 7	22 ⁰⁵ 5	15 ⁰⁶ 6	23 ⁰⁸ 8	T 11
F 12	9 25 36	22 ⁰³ 49	5 ¹⁰ 18	21 ⁰⁴ 5	3 ⁰⁴ 2	21 ⁰⁵ 4	11 ⁰⁴ 2	7 ⁰¹ 7	19 ⁰⁰ 0	14 ⁰⁴ 7	23 ⁰⁵ 5	23 ⁰⁵ 3	22 ⁰⁵ 2	15 ⁰¹ 3	23 ⁰¹ 2	F 12
S 13	9 29 33	23 ⁰³ 48	17 ⁰³ 34	20 ⁰³ 35	4 ⁰⁵ 7	22 ⁰³ 4	11 ⁰³ 5	7 ⁰¹ 13	19 ⁰³ 3	14 ⁰⁴ 5	23 ⁰⁵ 4	23 ⁰⁵ 1	22 ⁰⁴ 9	15 ⁰² 0	23 ⁰¹ 6	S 13
S 14	9 33 29	24 ⁰⁴ 05	0 ⁰⁷ 6	19 ⁰² 7	6 ⁰¹ 2	23 ⁰¹ 4	11 ⁰² 8	7 ⁰¹ 19	19 ⁰⁶ 6	14 ⁰⁴ 4	23 ⁰⁵ 4	23 ⁰⁵ D51	22 ⁰⁴ 6	15 ⁰² 6	23 ⁰² 1	S 14
M15	9 37 26	25 ⁰⁴ 02	13 ⁰⁰ 0	18 ⁰² 1	7 ⁰² 7	23 ⁰⁵ 4	11 ⁰² 1	7 ⁰² 25	19 ⁰⁹ 9	14 ⁰⁴ 3	23 ⁰⁵ 3	23 ⁰⁵ 2	22 ⁰⁴ 3	15 ⁰³ 3	23 ⁰² 5	M15
T 16	9 41 22	26 ⁰⁴ 17	26 ⁰² 0	17 ⁰² 0	8 ⁰⁴ 2	24 ⁰³ 4	11 ⁰¹ 3	7 ⁰³ 2	19 ⁰¹ 2	14 ⁰⁴ 2	23 ⁰⁵ 3	23 ⁰⁵ R52	22 ⁰³ 9	15 ⁰⁴ 0	23 ⁰² 9	T 16
W17	9 45 19	27 ⁰⁴ 21	10 ⁰³ 8	16 ⁰² 5	9 ⁰⁵ 7	25 ⁰¹ 5	11 ⁰⁶ 6	7 ⁰³ 8	19 ⁰¹ 5	14 ⁰⁴ 1	23 ⁰⁵ 3	23 ⁰⁵ 1	22 ⁰³ 6	15 ⁰⁴ 6	23 ⁰³ 3	W17
T 18	9 49 15	28 ⁰⁴ 24	24 ⁰² 6	15 ⁰³ 36	11 ⁰¹ 1	25 ⁰⁵ 5	10 ⁰⁵ 8	7 ⁰⁴ 4	19 ⁰¹ 8	14 ⁰⁴ 0	23 ⁰⁵ 2	23 ⁰⁴ 7	22 ⁰³ 3	15 ⁰⁵ 3	23 ⁰³ 8	T 18
F 19	9 53 12	29 ⁰⁴ 31	9 ⁰⁰ 11	14 ⁰⁵ 4	12 ⁰² 6	26 ⁰³ 5	10 ⁰⁵ 1	7 ⁰⁵ 1	19 ⁰² 1	14 ⁰³ 8	23 ⁰⁵ 2	23 ⁰⁴ 1	22 ⁰³ 0	16 ⁰⁰ 0	23 ⁰⁴ 2	F 19
S 20	9 57 8	0 ⁰⁸ 43	24 ⁰¹ 7	14 ⁰² 0	13 ⁰⁴ 1	27 ⁰¹ 5	10 ⁰⁴ 3	7 ⁰⁵ 7	19 ⁰² 4	14 ⁰³ 7	23 ⁰⁵ 1	23 ⁰³ 3	22 ⁰² 7	16 ⁰⁷ 7	23 ⁰⁴ 6	S 20
S 21	10 1 5	1 ⁰⁴ 41	9 ⁰⁸ 34	13 ⁰⁵ 3	14 ⁰⁵ 6	27 ⁰⁵ 6	10 ⁰³ 6	8 ⁰⁴ 4	19 ⁰² 7	14 ⁰³ 6	23 ⁰⁵ 1	23 ⁰² 2	22 ⁰² 4	16 ⁰¹ 3	23 ⁰⁵ 0	S 21
M22	10 5 2	2 ⁰⁴ 44	24 ⁰⁵ 1	13 ⁰³ 4	16 ⁰¹ 1	28 ⁰³ 6	10 ⁰² 8	8 ⁰¹ 1	19 ⁰² 9	14 ⁰³ 5	23 ⁰⁵ 1	23 ⁰¹ 2	22 ⁰² 0	16 ⁰² 0	23 ⁰⁵ 5	M22
T 23	10 8 58	3 ⁰⁴ 50	9 ⁰⁹ 58	13 ⁰² 2	17 ⁰² 6	29 ⁰¹ 6	10 ⁰² 0	8 ⁰¹ 7	19 ⁰³ 2	14 ⁰³ 4	23 ⁰⁵ 0	23 ⁰² 2	22 ⁰¹ 7	16 ⁰² 7	23 ⁰⁵ 9	T 23
W24	10 12 55	4 ⁰⁵ 28	24 ⁰⁴ 4	13 ⁰¹ D17	18 ⁰⁴ 0	29 ⁰⁵ 6	10 ⁰¹ 2	8 ⁰² 4	19 ⁰³ 5	14 ⁰³ 3	23 ⁰⁵ 0	22 ⁰⁵ 5	22 ⁰¹ 4	16 ⁰³ 4	24 ⁰³ 3	W24
T 25	10 16 51	5 ⁰⁵ 49	9 ⁰⁸ 4	13 ⁰¹ 9	19 ⁰⁵ 5	0 ⁰³ 37	10 ⁰⁴ 4	8 ⁰³ 1	19 ⁰³ 8	14 ⁰³ 2	23 ⁰⁵ 0	22 ⁰⁴ 9	22 ⁰¹ 1	16 ⁰⁴ 0	24 ⁰⁷ 7	T 25
F 26	10 20 48	6 ⁰⁶ 08	22 ⁰⁵ 6	13 ⁰² 8	21 ⁰¹ 0	1 ⁰¹ 7	9 ⁰⁵ 7	8 ⁰³ 7	19 ⁰⁴ 1	14 ⁰³ 1	23 ⁰⁴ 9	22 ⁰⁴ 7	22 ⁰⁸ 8	16 ⁰⁴ 7	24 ⁰¹ 1	F 26
S 27	10 24 44	7 ⁰⁶ 25	6 ¹¹ 21	13 ⁰⁴ 2	22 ⁰² 5	1 ⁰⁵ 7	9 ⁰⁴ 9	8 ⁰⁴ 4	19 ⁰⁴ 3	14 ⁰³ 1	23 ⁰⁴ 9	22 ⁰⁴ D46	22 ⁰⁴ 4	16 ⁰⁵ 4	24 ⁰¹ 6	S 27
S 28	10 28 41	8 ⁰⁶ 40	19 ¹¹ 21	14 ⁰⁰ 2	23 ⁰⁰ 39	2 ⁰³ 37	9 ¹⁰ 41	8 ⁰⁵ 1	19 ⁰⁴ 6	14 ⁰³ 0	23 ¹¹ 49	22 ⁰⁴ R46	22 ¹¹ 1	17 ¹⁰ 0	24 ⁰⁰ 20	S 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
M 1	17s20	22n59	0s15	10s44	1n24	22s 5	0s 7	22s23	0n10	7n57	1n19	0n17	2s18	22s36	0s25	21n50	0s46	16n 2	7s18	23n22	23n17	10n59	8s26	5n56	
T 2	17 3	24 14	0n53	10 24	1 42	21 56	0 10	22 29	0 9	7 59	1 19	0 20	2 18	22 35	0 25	21 50	0 46	16 2	7 18	23 22	23 17	10 57	8 25	5 56	
W 3	16 46	24 15	1 57	10 7	1 59	21 47	0 12	22 34	0 8	8 2	1 20	0 22	2 18	22 35	0 25	21 51	0 46	16 2	7 17	23 22	23 17	10 54	8 23	5 56	
T 4	16 28	23 5	2 54	9 54	2 16	21 37	0 15	22 39	0 8	8 4	1 20	0 24	2 18	22 34	0 25	21 51	0 46	16 2	7 17	23 21	23 17	10 52	8 22	5 56	
F 5	16 11	20 52	3 43	9 46	2 32	21 26	0 17	22 43	0 7	8 7	1 20	0 27	2 18	22 34	0 25	21 51	0 46	16 2	7 17	23 21	23 17	10 49	8 21	5 55	
S 6	15 52	17 44	4 22	9 42	2 47	21 15	0 20	22 48	0 6	8 9	1 20	0 29	2 18	22 33	0 25	21 51	0 46	16 2	7 17	23 21	23 17	10 47	8 20	5 55	
S 7	15 34	13 54	4 49	9 43	3 1	21 3	0 23	22 52	0 5	8 12	1 20	0 32	2 17	22 33	0 25	21 51	0 46	16 3	7 17	23 20	23 16	10 44	8 18	5 55	
M 8	15 15	9 33	5 3	9 48	3 13	20 50	0 25	22 56	0 5	8 15	1 21	0 34	2 17	22 33	0 25	21 51	0 46	16 3	7 16	23 20	23 16	10 42	8 17	5 55	
T 9	14 57	4 52	5 3	9 58	3 24	20 37	0 27	23 0	0 4	8 17	1 21	0 37	2 17	22 32	0 25	21 52	0 46	16 3	7 16	23 19	23 16	10 39	8 16	5 55	
W10	14 37	0s 0	4 51	10 11	3 32	20 23	0 30	23 4	0 3	8 20	1 21	0 39	2 17	22 32	0 25	21 52	0 46	16 3	7 16	23 19	23 16	10 37	8 14	5 55	
T 11	14 18	4 54	4 26	10 27	3 38	20 9	0 32	23 8	0 2	8 23	1 21	0 42	2 17	22 31	0 25	21 52	0 46	16 3	7 16	23 19	23 16	10 34	8 13	5 55	
F 12	13 58	9 41	3 49	10 46	3 42	19 54	0 35	23 11	0 1	8 26	1 21	0 44	2 17	22 31	0 25	21 52	0 46	16 3	7 16	23 19	23 16	10 32	8 12	5 55	
S 13	13 38	14 11	3 1	11 7	3 43	19 38	0 37	23 14	0 0	8 29	1 22	0 47	2 16	22 30	0 25	21 52	0 46	16 4	7 16	23 19	23 15	10 29	8 10	5 55	
S 14	13 18	18 10	2 3	11 29	3 42	19 22	0 39	23 17	0s 1	8 32	1 22	0 49	2 16	22 30	0 25	21 52	0 46	16 4	7 15	23 19	23 15	10 27	8 9	5 55	
M15	12 58	21 25	0 58	11 52	3 39	19 5	0 41	23 20	0 1	8 34	1 22	0 52	2 16	22 30	0 25	21 53	0 46	16 4	7 15	23 19	23 15	10 24	8 8	5 55	
T 16	12 37	23 37	0s13	12 15	3 33	18 48	0 44	23 23	0 2	8 37	1 22	0 54	2 16	22 29	0 25	21 53	0 46	16 4	7 15	23 19	23 15	10 22	8 6	5 55	
W17	12 17	24 29	1 26	12 39	3 26	18 30	0 46	23 25	0 3	8 40	1 22	0 57	2 16	22 29	0 25	21 53	0 46	16 4	7 15	23 19	23 15	10 19	8 5	5 55	
T 18	11 56	23 47	2 35	13 1	3 18	18 12	0 48	23 27	0 4	8 43	1 22	1 0	2 16	22 28	0 25	21 53	0 46	16 4	7 15	23 18	23 15	10 17	8 4	5 55	
F 19	11 35	21 27	3 36	13 23	3 8	17 53	0 50	23 29	0 5	8 46	1 22	1 2	2 16	22 28	0 25	21 53	0 46	16 5	7 14	23 18	23 14	10 14	8 2	5 55	
S 20	11 13	17 35	4 24	13 43	2 57	17 33	0 52	23 31	0 6	8 49	1 23	1 5	2 16	22 28	0 25	21 53	0 46	16 5	7 14	23 18	23 14	10 11	8 1	5 55	
S 21	10 52	12 31	4 53	14 2	2 45	17 13	0 54	23 33	0 7	8 52	1 23	1 8	2 15	22 27	0 25	21 54	0 46	16 5	7 14	23 17	23 14	10 9	8 0	5 55	
M22	10 30	6 40	5 2	14 19	2 32	16 53	0 56	23 34	0 8	8 55	1 23	1 10	2 15	22 27	0 25	21 54	0 46	16 5	7 14	23 17	23 14	10 6	7 58	5 55	
T 23	10 8	0 29	4 49	14 35	2 20	16 32	0 58	23 36	0 9	8 58	1 23	1 13	2 15	22 26	0 25	21 54	0 46	16 5	7 14	23 16	23 14	10 4	7 57	5 55	
W24	9 46	5n36	4 17	14 49	2 7	16 11	0 59	23 37	0 10	9 2	1 23	1 16	2 15	22 26	0 25	21 54	0 46	16 6	7 13	23 16	23 13	10 1	7 55	5 55	
T 25	9 24	11 13	3 30	15 1	1 53	15 49	1 1	23 38	0 11	9 5	1 23	1 19	2 15	22 26	0 25	21 54	0 46	16 6	7 13	23 15	23 13	9 59	7 54	5 55	
F 26	9 2	16 5	2 31	15 12	1 40	15 27	1 3	23 38	0 12	9 8	1 23	1 21	2 15	22 25	0 25	21 54	0 46	16 6	7 13	23 15	23 13	9 56	7 53	5 55	
S 27	8 39	19 58	1 26	15 20	1 27	15 4	1 5	23 39	0 13	9 11	1 23	1 24	2 15	22 25	0 25	21 54	0 46	16 6	7 13	23 15	23 13	9 54	7 51	5 55	
S 28	8s17	22n43	0s18	15s27	1n14	14s41	1s 6	23s39	0s14	9n14	1n23	1n27	2s15	22s25	0s25	21n54	0s46	16n 6	7s13	23n15	23n13	9n51	7s50	5n55	

ASTRODIENST EPHEMERIS for the year 1909

geocentric

MARCH 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 32 37	9°46'53	2°51	14°27	24°54	3°18	9°R33	8°Y58	19°Z48	14°R29	23°R49	22°R46	21°II58	17°M 7	24°24	M 1
T 2	10 36 34	10°47'04	14°26	14°58	26° 9	3°58	9°M25	9° 5	19°51	14°S28	23°II49	22°II44	21°55	17°14	24°28	T 2
W 3	10 40 31	11°47'13	26°38	15°33	27°24	4°38	9°17	9°12	19°54	14°27	23°49	22°40	21°52	17°21	24°32	W 3
T 4	10 44 27	12°47'20	8°Ω42	16°12	28°38	5°18	9°10	9°19	19°56	14°27	23°48	22°33	21°49	17°27	24°36	T 4
F 5	10 48 24	13°47'25	20°40	16°55	29°53	5°59	9° 2	9°26	19°58	14°26	23°48	22°23	21°45	17°34	24°40	F 5
S 6	10 52 20	14°47'28	2°M35	17°42	1°K 8	6°39	8°54	9°33	20° 1	14°25	23°48	22°10	21°42	17°41	24°44	S 6
S 7	10 56 17	15°47'29	14°28	18°32	2°23	7°19	8°46	9°40	20° 3	14°25	23°48	21°56	21°39	17°47	24°48	S 7
M 8	11 0 13	16°47'28	26°21	19°26	3°37	7°59	8°38	9°47	20° 6	14°24	23°48	21°41	21°36	17°54	24°52	M 8
T 9	11 4 10	17°47'25	8°Ω14	20°22	4°52	8°40	8°31	9°54	20° 8	14°23	23°D48	21°27	21°33	18° 1	24°56	T 9
W10	11 8 6	18°47'20	20°10	21°22	6° 7	9°20	8°23	10° 2	20°10	14°23	23°48	21°14	21°29	18° 8	25° 0	W10
T 11	11 12 3	19°47'13	2°M10	22°24	7°21	10° 0	8°15	10° 9	20°12	14°22	23°48	21° 5	21°26	18°14	25° 4	T 11
F 12	11 15 59	20°47'05	14°17	23°28	8°36	10°40	8° 8	10°16	20°15	14°22	23°48	20°58	21°23	18°21	25° 8	F 12
S 13	11 19 56	21°46'55	26°35	24°35	9°51	11°21	8° 0	10°23	20°17	14°21	23°48	20°54	21°20	18°28	25°12	S 13
S 14	11 23 53	22°46'43	9°X 6	25°44	11° 5	12° 1	7°53	10°31	20°19	14°21	23°49	20°53	21°17	18°35	25°16	S 14
M15	11 27 49	23°46'30	21°55	26°55	12°20	12°41	7°46	10°38	20°21	14°21	23°49	20°52	21°14	18°41	25°20	M15
T 16	11 31 46	24°46'15	5°Z 8	28° 8	13°35	13°22	7°38	10°45	20°23	14°20	23°49	20°52	21°10	18°48	25°24	T 16
W17	11 35 42	25°45'59	18°46	29°23	14°49	14° 2	7°31	10°53	20°25	14°20	23°49	20°51	21° 7	18°55	25°28	W17
T 18	11 39 39	26°45'40	2°X53	0°K40	16° 4	14°42	7°24	11° 0	20°27	14°20	23°49	20°47	21° 4	19° 1	25°31	T 18
F 19	11 43 35	27°45'20	1°58	1°59	17°18	15°22	7°17	11° 7	20°29	14°19	23°49	20°41	21° 1	19° 8	25°35	F 19
S 20	11 47 32	28°44'58	2°K26	3°19	18°33	16° 3	7°10	11°15	20°31	14°19	23°50	20°32	20°58	19°15	25°39	S 20
S 21	11 51 28	29°44'34	17°41	4°41	19°48	16°43	7° 3	11°22	20°32	14°19	23°50	20°22	20°55	19°22	25°43	S 21
M22	11 55 25	0°Y44'08	3°Y 1	6° 5	21° 2	17°23	6°57	11°30	20°34	14°19	23°50	20°10	20°51	19°28	25°46	M22
T 23	11 59 22	1°43'40	18°15	7°30	22°17	18° 3	6°50	11°37	20°36	14°19	23°50	20° 0	20°48	19°35	25°50	T 23
W24	12 3 18	2°43'10	3°Z11	8°56	23°31	18°44	6°44	11°45	20°37	14°18	23°51	19°51	20°45	19°42	25°54	W24
T 25	12 7 15	3°42'38	17°43	10°25	24°46	19°24	6°37	11°52	20°39	14°18	23°51	19°45	20°42	19°49	25°57	T 25
F 26	12 11 11	4°42'04	1°II47	11°54	26° 0	20° 4	6°31	12° 0	20°41	14°D18	23°52	19°42	20°39	19°55	26° 1	F 26
S 27	12 15 8	5°41'27	15°20	13°25	27°15	20°44	6°25	12° 7	20°42	14°18	23°52	19°D41	20°35	20° 2	26° 4	S 27
S 28	12 19 4	6°40'48	28°26	14°58	28°29	21°24	6°19	12°15	20°44	14°18	23°52	19°41	20°32	20° 9	26° 8	S 28
M29	12 23 1	7°40'06	11°S 9	16°31	29°44	22° 5	6°13	12°22	20°45	14°19	23°53	19°R41	20°29	20°15	26°11	M29
T 30	12 26 57	8°39'23	23°32	18° 7	0°Y58	22°45	6° 7	12°30	20°46	14°19	23°53	19°40	20°26	20°22	26°15	T 30
W31	12 30 54	9°Y38'37	5°Ω41	19°K44	2°Y13	23°Z25	6°M 2	12°Y37	20°Z48	14°S19	23°II54	19°II37	20°II23	20°M29	26°18	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	7s54	24n15	0n49	15s32	1n 1	14s18	1s 8	23s39	0s15	9n17	1n23	1n30	2s15	22s24	0s25	21n55
T 2	7 32	24 31	1 52	15 35	0 48	13 54	1 9	23 39	0 16	9 20	1 23	1 32	2 14	22 24	0 25	21 55
W 3	7 9	23 36	2 49	15 37	0 36	13 29	1 11	23 39	0 17	9 23	1 23	1 35	2 14	22 23	0 25	21 55
T 4	6 46	21 35	3 37	15 36	0 24	13 5	1 12	23 38	0 18	9 26	1 24	1 38	2 14	22 23	0 25	21 55
F 5	6 23	18 39	4 15	15 35	0 12	12 40	1 14	23 38	0 19	9 29	1 24	1 41	2 14	22 23	0 25	21 55
S 6	6 0	14 57	4 42	15 31	0 1	12 15	1 15	23 37	0 20	9 32	1 24	1 44	2 14	22 22	0 25	21 55
S 7	5 36	10 41	4 57	15 26	0s10	11 49	1 16	23 36	0 21	9 35	1 24	1 47	2 14	22 22	0 25	21 55
M 8	5 13	6 1	4 58	15 19	0 20	11 23	1 17	23 34	0 22	9 38	1 24	1 50	2 14	22 22	0 25	21 55
T 9	4 50	1 7	4 47	15 11	0 30	10 57	1 18	23 33	0 23	9 41	1 24	1 52	2 14	22 22	0 25	21 55
W10	4 26	3s50	4 23	15 1	0 40	10 30	1 19	23 31	0 24	9 43	1 24	1 55	2 14	22 21	0 25	21 56
T 11	4 3	8 41	3 47	14 50	0 49	10 3	1 20	23 29	0 25	9 46	1 24	1 58	2 14	22 21	0 25	21 56
F 12	3 39	13 16	3 0	14 37	0 58	9 36	1 21	23 27	0 26	9 49	1 24	2 1	2 14	22 21	0 25	21 56
S 13	3 16	17 23	2 5	14 23	1 7	9 9	1 22	23 25	0 27	9 52	1 24	2 4	2 14	22 20	0 25	21 56
S 14	2 52	20 48	1 2	14 7	1 15	8 41	1 23	23 23	0 28	9 55	1 24	2 7	2 14	22 20	0 25	21 56
M15	2 28	23 18	0s 6	13 50	1 22	8 13	1 24	23 20	0 29	9 57	1 24	2 10	2 14	22 20	0 25	21 56
T 16	2 5	24 36	1 15	13 31	1 29	7 45	1 24	23 17	0 31	10 0	1 24	2 13	2 13	22 19	0 26	21 56
W17	1 41	24 28	2 22	13 11	1 36	7 17	1 25	23 14	0 32	10 3	1 24	2 16	2 13	22 19	0 26	21 56
T 18	1 17	22 48	3 22	12 50	1 42	6 49	1 25	23 11	0 33	10 5	1 24	2 19	2 13	22 19	0 26	21 56
F 19	0 54	19 36	4 12	12 27	1 48	6 20	1 26	23 8	0 34	10 8	1 24	2 22	2 13	22 19	0 26	21 56
S 20	0 30	15 3	4 46	12 3	1 54	5 51	1 26	23 4	0 35	10 11	1 24	2 24	2 13	22 18	0 26	21 56
S 21	0 6	9 28	5 0	11 38	1 58	5 22	1 26	23 1	0 36	10 13	1 23	2 27	2 13	22 18	0 26	21 56
M22	0n18	3 17	4 53	11 11	2 3	4 53	1 27	22 57	0 38	10 15	1 23	2 30	2 13	22 18	0 26	21 56
T 23	0 41	3n 4	4 25	10 44	2 7	4 24	1 27	22 53	0 39	10 18	1 23	2 33	2 13	22 18	0 26	21 56
W24	1 5	9 9	3 39	10 14	2 11	3 54	1 27	22 48	0 40	10 20	1 23	2 36	2 13	22 18	0 26	21 56
T 25	1 29	14 33	2 40	9 44	2 14	3 25	1 27	22 44	0 41	10 23	1 23	2 39	2 13	22 17	0 26	21 57
F 26	1 52	19 0	1 33	9 12	2 17	2 55	1 27	22 39	0 43	10 25	1 23	2 42	2 13	22 17	0 26	21 57
S 27	2 16	22 16	0 23	8 39	2 19	2 26	1 27	22 34	0 44	10 27	1 23	2 45	2 13	22 17	0 26	21 57
S 28	2 39	24 13	0n46	8 5	2 21	1 56	1 27	22 29	0 45	10 29	1 23	2 48	2 13	22 17	0 26	21 57
M29	3 3	24 50	1 51	7 30	2 22	1 26	1 27	22 24	0 46	10 31	1 23	2 51	2 13	22 16	0 26	21 57
T 30	3 26	24 11	2 49	6 54	2 23	0 56	1 27	22 19	0 48	10 33	1 23	2 54	2 13	22 16	0 26	21 57
W31	3n49	22n23	3n38	6s16	2s23	0s26	1s26	22s14	0s49	10n35	1n23	2n57	2s13	22s16	0s26	21n57

Julian Day Number = 2418366.5, Delta T = 10.09 sec
 Ecliptic obliquity = 23°27'06, Nutation = - 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°28'18, Lahiri = 22°35'18

ASTRODIENST EPHEMERIS for the year 1909

geocentric

APRIL 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 34 51	10°37'48	17°41	21°22	3°27	24°5	5°R56	12°45	20°349	14°519	23°II54	19°R31	20°II20	20°36	26°21	T 1
F 2	12 38 47	11°36'58	29°35	23° 1	4°42	24°45	5°51	12°53	20°50	14°19	23°55	19°II23	20°16	20°42	26°25	F 2
S 3	12 42 44	12°36'05	11°26	24°42	5°56	25°25	5°46	13° 0	20°51	14°19	23°55	19°13	20°13	20°49	26°28	S 3
S 4	12 46 40	13°35'10	23°18	26°25	7°10	26° 5	5°41	13° 8	20°53	14°20	23°56	19° 1	20°10	20°56	26°31	S 4
M 5	12 50 37	14°34'12	5°13	28° 8	8°25	26°46	5°36	13°15	20°54	14°20	23°57	18°48	20° 7	21° 2	26°34	M 5
T 6	12 54 33	15°33'13	17°10	29°54	9°39	27°26	5°32	13°23	20°55	14°20	23°57	18°36	20° 4	21° 9	26°37	T 6
W 7	12 58 30	16°32'11	29°13	1°40	10°53	28° 6	5°27	13°30	20°56	14°21	23°58	18°26	20° 1	21°16	26°40	W 7
T 8	13 2 26	17°31'08	11°22	3°29	12° 8	28°46	5°23	13°38	20°57	14°21	23°58	18°18	19°57	21°23	26°43	T 8
F 9	13 6 23	18°30'03	23°39	5°18	13°22	29°26	5°19	13°45	20°57	14°22	23°59	18°12	19°54	21°29	26°46	F 9
S 10	13 10 19	19°28'56	6° 6	7° 9	14°36	0° 6	5°15	13°53	20°58	14°22	24° 0	18° 9	19°51	21°36	26°49	S 10
S 11	13 14 16	20°27'47	18°45	9° 2	15°51	0°46	5°11	14° 0	20°59	14°23	24° 0	18°D 9	19°48	21°43	26°52	S 11
M12	13 18 13	21°26'37	1°39	10°56	17° 5	1°26	5° 7	14° 8	21° 0	14°23	24° 1	18° 9	19°45	21°50	26°55	M12
T 13	13 22 9	22°25'24	14°52	12°52	18°19	2° 6	5° 4	14°15	21° 0	14°24	24° 2	18°10	19°41	21°56	26°58	T 13
W14	13 26 6	23°24'10	28°26	14°49	19°34	2°46	5° 0	14°23	21° 1	14°24	24° 3	18°R10	19°38	22° 3	27° 1	W14
T 15	13 30 2	24°22'55	12°23	16°48	20°48	3°26	4°57	14°30	21° 2	14°25	24° 4	18° 9	19°35	22°10	27° 3	T 15
F 16	13 33 59	25°21'37	26°43	18°48	22° 2	4° 5	4°54	14°38	21° 2	14°26	24° 4	18° 5	19°32	22°16	27° 6	F 16
S 17	13 37 55	26°20'18	11°23	20°49	23°16	4°45	4°51	14°45	21° 3	14°26	24° 5	18° 0	19°29	22°23	27° 9	S 17
S 18	13 41 52	27°18'57	26°20	22°52	24°31	5°25	4°49	14°53	21° 3	14°27	24° 6	17°52	19°26	22°30	27°11	S 18
M19	13 45 48	28°17'35	11°24	24°56	25°45	6° 5	4°46	15° 0	21° 4	14°28	24° 7	17°45	19°22	22°37	27°14	M19
T 20	13 49 45	29°16'10	26°27	27° 1	26°59	6°45	4°44	15° 8	21° 4	14°29	24° 8	17°37	19°19	22°43	27°16	T 20
W21	13 53 42	0°14'44	11°18	29° 7	28°13	7°24	4°42	15°15	21° 4	14°30	24° 9	17°32	19°16	22°50	27°19	W21
T 22	13 57 38	1°13'16	25°49	1°14	29°27	8° 4	4°40	15°22	21° 4	14°30	24°10	17°28	19°13	22°57	27°21	T 22
F 23	14 1 35	2°11'45	9°II55	3°22	0°41	8°44	4°39	15°30	21° 5	14°31	24°10	17°26	19°10	23° 3	27°24	F 23
S 24	14 5 31	3°10'13	23°35	5°30	1°56	9°23	4°37	15°37	21° 5	14°32	24°11	17°D26	19° 6	23°10	27°26	S 24
S 25	14 9 28	4° 8'39	6°47	7°39	3°10	10° 3	4°36	15°44	21° 5	14°33	24°12	17°27	19° 3	23°17	27°28	S 25
M26	14 13 24	5° 7'02	19°35	9°47	4°24	10°42	4°35	15°52	21°R 5	14°34	24°13	17°28	19° 0	23°24	27°30	M26
T 27	14 17 21	6° 5'24	2° 3	11°56	5°38	11°22	4°34	15°59	21° 5	14°35	24°14	17°R29	18°57	23°30	27°32	T 27
W28	14 21 18	7° 3'43	14°14	14° 3	6°52	12° 1	4°33	16° 6	21° 5	14°36	24°15	17°29	18°54	23°37	27°35	W28
T 29	14 25 14	8° 2'00	26°15	16°10	8° 6	12°41	4°32	16°13	21° 5	14°37	24°16	17°27	18°51	23°44	27°37	T 29
F 30	14 29 11	9° 0'15	8° 9	18°16	9°20	13°20	4°32	16°21	21° 5	14°39	24°II 17	17°II24	18°II47	23°II51	27°39	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
T 1	4n13	19n37	4n17	5s37	2s23	0n 4	1s26	22s 8	0s50	10n37	1n23	3n 0	2s13	22s16	0s26	T 1
F 2	4 36	16 4	4 44	4 57	2 23	0 34	1 25	22 2	0 52	10 39	1 23	3 3	2 13	22 16	0 26	F 2
S 3	4 59	11 53	4 59	4 16	2 22	1 3	1 25	21 56	0 53	10 41	1 22	3 6	2 13	22 16	0 26	S 3
S 4	5 22	7 16	5 1	3 34	2 20	1 33	1 24	21 50	0 54	10 42	1 22	3 8	2 13	22 16	0 26	S 4
M 5	5 45	2 22	4 50	2 51	2 18	2 3	1 24	21 44	0 56	10 44	1 22	3 11	2 13	22 15	0 26	M 5
T 6	6 8	2s39	4 26	2 7	2 15	2 33	1 23	21 37	0 57	10 46	1 22	3 14	2 13	22 15	0 26	T 6
W 7	6 30	7 37	3 50	1 22	2 12	3 3	1 22	21 31	0 58	10 47	1 22	3 17	2 13	22 15	0 26	W 7
T 8	6 53	12 21	3 3	0 35	2 9	3 33	1 22	21 24	1 0	10 49	1 22	3 20	2 13	22 15	0 26	T 8
F 9	7 15	16 39	2 7	0n12	2 5	4 2	1 21	21 17	1 1	10 50	1 22	3 23	2 13	22 15	0 26	F 9
S 10	7 38	20 17	1 4	1 0	2 0	4 32	1 20	21 10	1 3	10 51	1 22	3 26	2 13	22 15	0 26	S 10
S 11	8 0	23 2	0s 3	1 49	1 55	5 2	1 19	21 2	1 4	10 53	1 21	3 29	2 13	22 15	0 26	S 11
M12	8 22	24 38	1 12	2 39	1 50	5 31	1 18	20 55	1 6	10 54	1 21	3 32	2 13	22 15	0 26	M12
T 13	8 44	24 55	2 18	3 30	1 44	6 0	1 17	20 48	1 7	10 55	1 21	3 35	2 13	22 15	0 26	T 13
W14	9 6	23 44	3 19	4 21	1 37	6 30	1 15	20 40	1 8	10 56	1 21	3 37	2 13	22 15	0 26	W14
T 15	9 27	21 5	4 9	5 13	1 30	6 59	1 14	20 32	1 10	10 57	1 21	3 40	2 13	22 14	0 26	T 15
F 16	9 49	17 5	4 46	6 6	1 22	7 28	1 13	20 24	1 11	10 58	1 21	3 43	2 13	22 14	0 26	F 16
S 17	10 10	11 59	5 4	6 59	1 14	7 56	1 12	20 16	1 13	10 59	1 21	3 46	2 14	22 14	0 26	S 17
S 18	10 31	6 6	5 3	7 52	1 6	8 25	1 10	20 8	1 14	11 0	1 20	3 49	2 14	22 14	0 26	S 18
M19	10 52	0n12	4 41	8 46	0 57	8 53	1 9	19 59	1 16	11 1	1 20	3 52	2 14	22 14	0 26	M19
T 20	11 13	6 29	3 59	9 40	0 48	9 21	1 7	19 51	1 18	11 1	1 20	3 54	2 14	22 14	0 27	T 20
W21	11 34	12 20	3 2	10 34	0 38	9 49	1 6	19 42	1 19	11 2	1 20	3 57	2 14	22 14	0 27	W21
T 22	11 54	17 23	1 54	11 28	0 28	10 17	1 4	19 33	1 21	11 2	1 20	4 0	2 14	22 14	0 27	T 22
F 23	12 15	21 17	0 40	12 22	0 18	10 44	1 3	19 25	1 22	11 3	1 20	4 3	2 14	22 14	0 27	F 23
S 24	12 35	23 51	0n33	13 15	0 8	11 12	1 1	19 16	1 24	11 3	1 19	4 5	2 14	22 14	0 27	S 24
S 25	12 54	24 59	1 43	14 7	0n 3	11 39	0 59	19 6	1 25	11 4	1 19	4 8	2 14	22 14	0 27	S 25
M26	13 14	24 45	2 45	14 58	0 14	12 5	0 58	18 57	1 27	11 4	1 19	4 11	2 14	22 14	0 27	M26
T 27	13 33	23 15	3 38	15 49	0 24	12 32	0 56	18 48	1 29	11 4	1 19	4 14	2 14	22 14	0 27	T 27
W28	13 53	20 42	4 20	16 38	0 35	12 58	0 54	18 38	1 30	11 4	1 19	4 16	2 14	22 14	0 27	W28
T 29	14 12	17 18	4 49	17 25	0 46	13 24	0 52	18 29	1 32	11 4	1 19	4 19	2 14	22 14	0 27	T 29
F 30	14n30	13n15	5n 6	18n11	0n56	13n49	0s50	18s19	1s34	11n 4	1n18	4n22	2s14	22s14	0s27	F 30

Julian Day Number = 2418397.5, Delta T = 10.20 sec

Ecliptic obliquity = 23°27'06, Nutation = - 0°00'17, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°28'22, Lahiri = 22°35'23

ASTRODIENST EPHEMERIS for the year 1909

geocentric

MAY 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 33 7	9♂58'28	20♏ 1	20♏20	10♏34	13♏59	4°R32	16°V28	21°R 4	14♏40	24♏18	17°R19	18♏44	23♏57	27♏40	S 1
S 2	14 37 4	10°56'39	1♏54	22°23	11°48	14°39	4°D32	16°35	21♏4	14°41	24°20	17♏13	18°41	24° 4	27°42	S 2
M 3	14 41 0	11°54'48	13°51	24°23	13° 2	15°18	4♏32	16°42	21° 3	14°42	24°21	17° 6	18°38	24°11	27°44	M 3
T 4	14 44 57	12°52'56	25°55	26°22	14°16	15°57	4°32	16°49	21° 3	14°43	24°22	17° 0	18°35	24°17	27°46	T 4
W 5	14 48 53	13°51'01	8♏ 7	28°17	15°30	16°36	4°33	16°56	21° 3	14°45	24°23	16°55	18°32	24°24	27°48	W 5
T 6	14 52 50	14°49'05	20°29	0♏10	16°44	17°15	4°33	17° 3	21° 2	14°46	24°24	16°51	18°28	24°31	27°49	T 6
F 7	14 56 46	15°47'07	3♏ 1	2° 0	17°58	17°54	4°34	17°10	21° 2	14°47	24°25	16°48	18°25	24°38	27°51	F 7
S 8	15 0 43	16°45'08	15°45	3°47	19°12	18°33	4°35	17°17	21° 1	14°48	24°26	16°D47	18°22	24°44	27°52	S 8
S 9	15 4 40	17°43'07	28°41	5°31	20°26	19°12	4°37	17°24	21° 0	14°50	24°27	16°48	18°19	24°51	27°54	S 9
M10	15 8 36	18°41'05	11♏50	7°12	21°40	19°51	4°38	17°31	21° 0	14°51	24°29	16°49	18°16	24°58	27°55	M10
T 11	15 12 33	19°39'02	25°14	8°48	22°54	20°30	4°40	17°38	20°59	14°53	24°30	16°51	18°12	25° 5	27°57	T 11
W12	15 16 29	20°36'57	8♏53	10°22	24° 8	21° 8	4°42	17°44	20°58	14°54	24°31	16°52	18° 9	25°11	27°58	W12
T 13	15 20 26	21°34'51	22°48	11°52	25°21	21°47	4°44	17°51	20°58	14°56	24°32	16°R52	18° 6	25°18	27°59	T 13
F 14	15 24 22	22°32'44	6♏59	13°18	26°35	22°26	4°46	17°58	20°57	14°57	24°33	16°52	18° 3	25°25	28° 0	F 14
S 15	15 28 19	23°30'36	21°23	14°40	27°49	23° 4	4°48	18° 4	20°56	14°59	24°35	16°50	18° 0	25°31	28° 1	S 15
S 16	15 32 15	24°28'26	5°V57	15°59	29° 3	23°43	4°50	18°11	20°55	15° 0	24°36	16°48	17°57	25°38	28° 2	S 16
M17	15 36 12	25°26'15	20°36	17°14	0♏17	24°21	4°53	18°18	20°54	15° 2	24°37	16°45	17°53	25°45	28° 3	M17
T 18	15 40 9	26°24'03	5♏14	18°25	1°31	24°59	4°56	18°24	20°53	15° 3	24°38	16°42	17°50	25°52	28° 4	T 18
W19	15 44 5	27°21'50	19°44	19°32	2°45	25°37	4°59	18°31	20°52	15° 5	24°40	16°40	17°47	25°58	28° 5	W19
T 20	15 48 2	28°19'35	4♏ 0	20°35	3°58	26°15	5° 2	18°37	20°51	15° 6	24°41	16°39	17°44	26° 5	28° 6	T 20
F 21	15 51 58	29°17'19	17°57	21°34	5°12	26°53	5° 6	18°43	20°49	15° 8	24°42	16°D38	17°41	26°12	28° 7	F 21
S 22	15 55 55	0♏15'02	1♏32	22°29	6°26	27°31	5° 9	18°50	20°48	15°10	24°44	16°39	17°38	26°18	28° 8	S 22
S 23	15 59 51	1°12'43	14°44	23°19	7°40	28° 9	5°13	18°56	20°47	15°11	24°45	16°40	17°34	26°25	28° 8	S 23
M24	16 3 48	2°10'23	27°35	24° 6	8°54	28°47	5°17	19° 2	20°46	15°13	24°46	16°41	17°31	26°32	28° 9	M24
T25	16 7 45	3° 8'01	10♏ 5	24°48	10° 7	29°24	5°21	19° 8	20°44	15°15	24°48	16°42	17°28	26°39	28° 9	T25
W26	16 11 41	4° 5'38	22°20	25°25	11°21	0♏ 2	5°25	19°14	20°43	15°17	24°49	16°43	17°25	26°45	28°10	W26
T 27	16 15 38	5° 3'13	4♏23	25°58	12°35	0°39	5°29	19°21	20°42	15°18	24°50	16°R43	17°22	26°52	28°10	T 27
F 28	16 19 34	6° 0'47	16°19	26°27	13°48	1°16	5°34	19°27	20°40	15°20	24°52	16°43	17°18	26°59	28°10	F 28
S 29	16 23 31	6°58'19	28°12	26°51	15° 2	1°53	5°38	19°32	20°39	15°22	24°53	16°42	17°15	27° 6	28°11	S 29
S 30	16 27 27	7°55'50	10♏ 6	27°10	16°16	2°30	5°43	19°38	20°37	15°24	24°54	16°41	17°12	27°12	28°11	S 30
M31	16 31 24	8♏53'20	22♏ 7	27♏25	17♏30	3♏ 7	5♏48	19°V44	20°36	15°26	24♏56	16♏40	17♏ 9	27♏19	28♏11	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	14n49	8n42	5n10	18n54	1n 6	14n14	0s48	18s 9	1s35	11n 4	1n18	4n24	2s15	22s15	0s27	21n55
S 2	15 7	3 50	5 0	19 36	1 16	14 39	0 46	18 0	1 37	11 4	1 18	4 27	2 15	22 15	0 27	21 55
M 3	15 25	1s12	4 37	20 15	1 25	15 3	0 44	17 50	1 39	11 4	1 18	4 30	2 15	22 15	0 27	21 55
T 4	15 43	6 15	4 2	20 53	1 34	15 28	0 42	17 39	1 40	11 3	1 18	4 32	2 15	22 15	0 27	21 55
W 5	16 0	11 8	3 15	21 27	1 42	15 51	0 40	17 29	1 42	11 3	1 18	4 35	2 15	22 15	0 27	21 55
T 6	16 17	15 39	2 19	22 0	1 50	16 14	0 38	17 19	1 44	11 3	1 17	4 37	2 15	22 15	0 27	21 55
F 7	16 34	19 33	1 15	22 29	1 57	16 37	0 36	17 9	1 45	11 2	1 17	4 40	2 15	22 15	0 27	21 55
S 8	16 51	22 36	0 6	22 56	2 4	17 0	0 34	16 58	1 47	11 2	1 17	4 42	2 15	22 15	0 27	21 55
S 9	17 7	24 31	1s 5	23 21	2 9	17 22	0 31	16 48	1 49	11 1	1 17	4 45	2 15	22 15	0 27	21 55
M10	17 24	25 8	2 13	23 43	2 14	17 43	0 29	16 37	1 51	11 0	1 17	4 47	2 16	22 15	0 27	21 55
T 11	17 39	24 18	3 15	24 3	2 18	18 4	0 27	16 27	1 52	10 59	1 16	4 50	2 16	22 16	0 27	21 54
W12	17 55	22 2	4 8	24 20	2 21	18 25	0 25	16 16	1 54	10 59	1 16	4 52	2 16	22 16	0 27	21 54
T 13	18 10	18 26	4 47	24 35	2 23	18 45	0 22	16 5	1 56	10 58	1 16	4 55	2 16	22 16	0 27	21 54
F 14	18 25	13 44	5 9	24 48	2 25	19 5	0 20	15 54	1 58	10 57	1 16	4 57	2 16	22 16	0 27	21 54
S 15	18 40	8 13	5 13	24 59	2 25	19 24	0 18	15 43	2 0	10 56	1 16	5 0	2 16	22 16	0 27	21 54
S 16	18 54	2 11	4 57	25 7	2 25	19 42	0 15	15 32	2 2	10 55	1 16	5 2	2 16	22 16	0 27	21 54
M17	19 8	4n 1	4 21	25 13	2 24	20 0	0 13	15 21	2 3	10 54	1 15	5 4	2 16	22 17	0 27	21 54
T 18	19 22	10 0	3 28	25 18	2 22	20 18	0 11	15 10	2 5	10 52	1 15	5 7	2 17	22 17	0 27	21 53
W19	19 35	15 23	2 23	25 20	2 19	20 35	0 8	14 59	2 7	10 51	1 15	5 9	2 17	22 17	0 27	21 53
T 20	19 48	19 50	1 9	25 21	2 15	20 51	0 6	14 48	2 9	10 50	1 15	5 11	2 17	22 17	0 27	21 53
F 21	20 1	23 2	0n 7	25 20	2 10	21 7	0 3	14 36	2 11	10 48	1 15	5 14	2 17	22 17	0 27	21 53
S 22	20 13	24 48	1 21	25 18	2 4	21 23	0 1	14 25	2 13	10 47	1 14	5 16	2 17	22 18	0 27	21 53
S 23	20 25	25 6	2 29	25 14	1 57	21 37	0n 1	14 14	2 15	10 45	1 14	5 18	2 17	22 18	0 27	21 53
M24	20 36	24 2	3 27	25 8	1 49	21 51	0 4	14 2	2 17	10 44	1 14	5 20	2 18	22 18	0 28	21 52
T 25	20 48	21 48	4 14	25 2	1 41	22 5	0 6	13 51	2 19	10 42	1 14	5 22	2 18	22 18	0 28	21 52
W26	20 59	18 37	4 48	24 54	1 31	22 18	0 9	13 40	2 21	10 40	1 14	5 25	2 18	22 18	0 28	21 52
T 27	21 9	14 42	5 9	24 44	1 21	22 30	0 11	13 28	2 23	10 39	1 14	5 27	2 18	22 19	0 28	21 52
F 28	21 19	10 15	5 16	24 34	1 10	22 41	0 13	13 17	2 25	10 37	1 13	5 29	2 18	22 19	0 28	21 52
S 29	21 29	5 27	5 10	24 22	0 57	22 52	0 16	13 5	2 27	10 35	1 13	5 31	2 18	22 19	0 28	21 52
S 30	21 39	0 27	4 50	24 10	0 44	23 3	0 18	12 54	2 29	10 33	1 13	5 33	2 19	22 19	0 28	21 51
M31	21n48	4s37	4n18	23n56	0n31	23n12	0n21	12s42	2s31	10n31	1n13	5n35	2s19	22s20	0s28	21n51

Julian Day Number = 2418427.5, Delta T = 10.30 sec
 Ecliptic obliquity = 23°27'06, Nutation = - 0°00'18, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°28'26, Lahiri = 22°35'27

ASTRODIENST EPHEMERIS for the year 1909

geocentric

JUNE 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 35 20	9II50'49	4III16	27II35	18II43	3II44	5III53	19V50	20R34	15S28	24II57	16R39	17II 6	27III26	28III11	T 1
W 2	16 39 17	10°48'16	16°37	27°40	19°57	4°21	5°58	19°56	20S32	15°30	24°59	16II39	17° 3	27°32	28°R11	W 2
T 3	16 43 13	11°45'42	29°11	27°R41	21°11	4°57	6° 4	20° 1	20°31	15°31	25° 0	16°38	16°59	27°39	28°11	T 3
F 4	16 47 10	12°43'08	12°11	27°37	22°24	5°34	6° 9	20° 7	20°29	15°33	25° 1	16°D38	16°56	27°46	28°11	F 4
S 5	16 51 7	13°40'32	25° 5	27°29	23°38	6°10	6°15	20°12	20°27	15°35	25° 3	16°38	16°53	27°53	28°11	S 5
S 6	16 55 3	14°37'56	8S25	27°17	24°51	6°46	6°21	20°18	20°25	15°37	25° 4	16°38	16°50	27°59	28°11	S 6
M 7	16 59 0	15°35'18	21°58	27° 1	26° 5	7°22	6°27	20°23	20°24	15°39	25° 6	16°38	16°47	28° 6	28°10	M 7
T 8	17 2 56	16°32'41	5S43	26°41	27°19	7°58	6°33	20°29	20°22	15°41	25° 7	16°R38	16°44	28°13	28°10	T 8
W 9	17 6 53	17°30'02	19°39	26°17	28°32	8°34	6°39	20°34	20°20	15°43	25° 8	16°38	16°40	28°19	28°10	W 9
T 10	17 10 49	18°27'23	3II44	25°51	29°46	9° 9	6°46	20°39	20°18	15°45	25°10	16°38	16°37	28°26	28° 9	T 10
F 11	17 14 46	19°24'43	17°55	25°22	0S59	9°45	6°52	20°44	20°16	15°47	25°11	16°D38	16°34	28°33	28° 9	F 11
S 12	17 18 43	20°22'03	2V10	24°51	2°13	10°20	6°59	20°49	20°14	15°49	25°13	16°38	16°31	28°40	28° 8	S 12
S 13	17 22 39	21°19'23	16°26	24°19	3°27	10°55	7° 6	20°54	20°12	15°51	25°14	16°38	16°28	28°46	28° 8	S 13
M14	17 26 36	22°16'42	0S42	23°45	4°40	11°30	7°13	20°59	20°10	15°53	25°15	16°39	16°24	28°53	28° 7	M14
T 15	17 30 32	23°14'01	14°52	23°11	5°54	12° 4	7°20	21° 4	20° 8	15°56	25°17	16°39	16°21	29° 0	28° 6	T 15
W16	17 34 29	24°11'20	28°54	22°38	7° 7	12°39	7°27	21° 9	20° 6	15°58	25°18	16°40	16°18	29° 7	28° 5	W16
T 17	17 38 25	25° 8'38	12II46	22° 5	8°21	13°13	7°34	21°13	20° 4	16° 0	25°20	16°R40	16°15	29°13	28° 4	T 17
F 18	17 42 22	26° 5'55	26°23	21°33	9°34	13°47	7°42	21°18	20° 2	16° 2	25°21	16°40	16°12	29°20	28° 4	F 18
S 19	17 46 18	27° 3'13	9S43	21° 3	10°48	14°21	7°49	21°22	20° 0	16° 4	25°23	16°39	16° 9	29°27	28° 3	S 19
S 20	17 50 15	28° 0'29	22°46	20°35	12° 1	14°54	7°57	21°27	19°57	16° 6	25°24	16°38	16° 5	29°33	28° 2	S 20
M21	17 54 12	28°57'45	5S22	20°11	13°15	15°28	8° 5	21°31	19°55	16° 8	25°25	16°37	16° 2	29°40	28° 0	M21
T 22	17 58 8	29°55'01	18° 1	19°49	14°28	16° 1	8°13	21°35	19°53	16°10	25°27	16°35	15°59	29°47	27°59	T 22
W23	18 2 5	0S52'15	0III16	19°31	15°42	16°34	8°21	21°40	19°51	16°13	25°28	16°33	15°56	29°54	27°58	W23
T 24	18 6 1	1°49'30	12°19	19°17	16°55	17° 7	8°29	21°44	19°48	16°15	25°30	16°32	15°53	0S 0	27°57	T 24
F 25	18 9 58	2°46'43	24°15	19° 7	18° 9	17°39	8°38	21°48	19°46	16°17	25°31	16°31	15°50	0° 7	27°56	F 25
S 26	18 13 54	3°43'56	6S 8	19° 2	19°22	18°11	8°46	21°52	19°44	16°19	25°33	16°D31	15°46	0°14	27°54	S 26
S 27	18 17 51	4°41'09	18° 3	19°D 1	20°36	18°43	8°55	21°56	19°42	16°21	25°34	16°31	15°43	0°20	27°53	S 27
M28	18 21 47	5°38'21	0III 4	19° 5	21°49	19°15	9° 3	21°59	19°39	16°23	25°35	16°32	15°40	0°27	27°51	M28
T 29	18 25 44	6°35'32	12°16	19°13	23° 3	19°46	9°12	22° 3	19°37	16°26	25°37	16°34	15°37	0°34	27°50	T 29
W30	18 29 41	7S32'43	24III42	19II27	24S16	20II17	9III21	22V 7	19S35	16S28	25II38	16II35	15II34	0S41	27S48	W30

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
T 1	21n56	9s36	3n34	23n42	0n16	23n21	0n23	12s31	2s33	10n29	1n13	5n37	2s19	22s20	0s28	21n51	0s43	16n25	6s57	22n47	22n50	5n40	6s12	6n18	
W 2	22 5	14 16	2 39	23 27	0 1	23 29	0 25	12 19	2 35	10 27	1 13	5 39	2 19	22 20	0 28	21 51	0 43	16 25	6 57	22 47	22 49	5 37	6 11	6 18	
T 3	22 13	18 26	1 35	23 11	0s15	23 37	0 28	12 8	2 37	10 25	1 12	5 41	2 19	22 21	0 28	21 51	0 43	16 25	6 57	22 47	22 49	5 34	6 11	6 19	
F 4	22 20	21 49	0 26	22 55	0 31	23 44	0 30	11 56	2 39	10 23	1 12	5 43	2 19	22 21	0 28	21 50	0 43	16 25	6 56	22 47	22 49	5 32	6 11	6 19	
S 5	22 27	24 8	0s47	22 38	0 48	23 50	0 32	11 45	2 41	10 20	1 12	5 45	2 20	22 21	0 28	21 50	0 42	16 25	6 56	22 47	22 48	5 29	6 10	6 19	
S 6	22 34	25 9	1 58	22 21	1 5	23 56	0 35	11 33	2 43	10 18	1 12	5 47	2 20	22 21	0 28	21 50	0 42	16 26	6 56	22 47	22 48	5 26	6 10	6 20	
M 7	22 40	24 41	3 4	22 3	1 22	24 0	0 37	11 22	2 45	10 16	1 12	5 48	2 20	22 22	0 28	21 50	0 42	16 26	6 56	22 47	22 48	5 23	6 10	6 20	
T 8	22 46	22 43	4 0	21 46	1 39	24 4	0 39	11 10	2 47	10 13	1 12	5 50	2 20	22 22	0 28	21 50	0 42	16 26	6 56	22 47	22 47	5 20	6 10	6 20	
W 9	22 52	19 24	4 42	21 28	1 56	24 8	0 41	10 59	2 49	10 11	1 11	5 52	2 20	22 22	0 28	21 49	0 42	16 26	6 56	22 47	22 47	5 17	6 10	6 21	
T 10	22 57	14 56	5 9	21 10	2 13	24 11	0 43	10 47	2 51	10 8	1 11	5 54	2 21	22 23	0 28	21 49	0 42	16 26	6 56	22 47	22 47	5 15	6 9	6 21	
F 11	23 2	9 38	5 17	20 53	2 30	24 12	0 46	10 36	2 53	10 6	1 11	5 55	2 21	22 23	0 28	21 49	0 42	16 26	6 56	22 47	22 46	5 12	6 9	6 21	
S 12	23 6	3 48	5 5	20 36	2 46	24 14	0 48	10 24	2 56	10 3	1 11	5 57	2 21	22 23	0 28	21 49	0 42	16 26	6 56	22 47	22 46	5 9	6 9	6 22	
S 13	23 10	2n14	4 35	20 19	3 1	24 14	0 50	10 13	2 58	10 0	1 11	5 59	2 21	22 24	0 28	21 49	0 42	16 26	6 56	22 47	22 46	5 6	6 9	6 22	
M14	23 14	8 9	3 48	20 3	3 15	24 14	0 52	10 2	3 0	9 58	1 11	6 0	2 22	22 24	0 28	21 48	0 42	16 26	6 56	22 47	22 45	5 3	6 9	6 22	
T 15	23 17	13 38	2 47	19 48	3 29	24 13	0 54	9 50	3 2	9 55	1 10	6 2	2 22	22 24	0 28	21 48	0 42	16 27	6 56	22 47	22 45	5 0	6 9	6 23	
W16	23 19	18 21	1 37	19 34	3 41	24 11	0 56	9 39	3 4	9 52	1 10	6 4	2 22	22 25	0 28	21 48	0 42	16 27	6 56	22 47	22 45	4 57	6 9	6 23	
T 17	23 22	21 59	0 22	19 21	3 53	24 9	0 58	9 28	3 6	9 49	1 10	6 5	2 22	22 25	0 28	21 48	0 42	16 27	6 56	22 47	22 44	4 55	6 9	6 23	
F 18	23 24	24 18	0n53	19 9	4 3	24 6	1 0	9 17	3 9	9 46	1 10	6 7	2 22	22 25	0 28	21 47	0 42	16 27	6 56	22 47	22 44	4 52	6 9	6 24	
S 19	23 25	25 9	2 4	18 58	4 11	24 2	1 2	9 6	3 11	9 43	1 10	6 8	2 23	22 26	0 28	21 47	0 42	16 27	6 56	22 47	22 44	4 49	6 9	6 24	
S 20	23 26	24 36	3 7	18 49	4 18	23 58	1 4	8 55	3 13	9 40	1 10	6 10	2 23	22 26	0 28	21 47	0 42	16 27	6 55	22 47	22 43	4 46	6 9	6 24	
M21	23 27	22 45	3 58	18 42	4 24	23 53	1 5	8 44	3 15	9 37	1 10	6 11	2 23	22 26	0 28	21 47	0 42	16 27	6 55	22 47	22 43	4 43	6 9	6 24	
T 22	23 27	19 50	4 37	18 36	4 29	23 47	1 7	8 33	3 18	9 34	1 9	6 12	2 23	22 27	0 28	21 46	0 42	16 27	6 55	22 46	22 43	4 40	6 9	6 25	
W23	23 27	16 6	5 3	18 32	4 31	23 40	1 9	8 22	3 20	9 31	1 9	6 14	2 24	22 27	0 28	21 46	0 42	16 27	6 55	22 46	22 42	4 37	6 9	6 25	
T 24	23 26	11 47	5 15	18 29	4 33	23 33	1 11	8 12	3 22	9 28	1 9	6 15	2 24	22 27	0 28	21 46	0 42	16 27	6 55	22 46	22 42	4 35	6 9	6 25	
F 25	23 25	7 4	5 13	18 28	4 33	23 25	1 12	8 1	3 24	9 24	1 9	6 16	2 24	22 28	0 28	21 46	0 42	16 27	6 55	22 46	22 42	4 32	6 10	6 26	
S 26	23 24	2 7	4 57	18 29	4 32	23 16	1 14	7 50	3 27	9 21	1 9	6 17	2 24	22 28	0 28	21 45	0 42	16 28	6 55	22 46	22 41	4 29	6 10	6 26	
S 27	23 22	2s56	4 29	18 31	4 29	23 7	1 15	7 40	3 29	9 18	1 9	6 19	2 25	22 28	0 28	21 45	0 42	16 28	6 55	22 46	22 41	4 26	6 10	6 26	
M28	23 20	7 56	3 49	18 35	4 26	22 57	1 17	7 30	3 31	9 14	1 9	6 20	2 25	22 29	0 28	21 45	0 42	16 28	6 55	22 46	22 41	4 23	6 10	6 27	
T 29	23 17	12 42	2 58	18 41	4 21	22 46	1 18	7 19	3 33	9 11	1 9	6 21	2 25	22 29	0 28	21 45	0 42	16 28	6 55	22 46	22 40	4 20	6 10	6 27	
W30	23n14	17s 3	1n58	18n48	4s15	22n35	1n20	7s 9	3s36	9n 8	1n 8	6n22	2s25	22s29	0s28	21n44	0s42	16n28	6s55	22n47	22n40	4n17	6s11	6n27	

ASTRODIENST EPHEMERIS for the year 1909
geocentric

JULY 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 33 37	8 ²⁹ 54	7 ²⁶ 26	19 ⁴⁵ 19	25 ²⁹ 29	20 ⁴⁸ 48	9 ³⁰ 30	22 ¹⁰ 10	19 ³² 32	16 ³⁰ 30	25 ⁴⁰ 40	16 ³⁶ 36	15 ³⁰ 30	0 ⁴⁷ 47	27 ⁴⁷ 47	T 1
F 2	18 37 34	9 ²⁷ 05	20 ³⁰ 30	20 ⁹ 9	26 ⁴³ 43	21 ¹⁹ 19	9 ³⁹ 39	22 ¹⁴ 14	19 ³⁰ 30	16 ³² 32	25 ⁴¹ 41	16 ³⁶ 36	15 ²⁷ 27	0 ⁵⁴ 54	27 ⁴⁴ 44	F 2
S 3	18 41 30	10 ²⁴ 16	3 ⁵⁴ 54	20 ³⁷ 37	27 ⁵⁶ 56	21 ⁴⁹ 49	9 ⁴⁸ 48	22 ¹⁷ 17	19 ²⁸ 28	16 ³⁵ 35	25 ⁴² 42	16 ³⁶ 36	15 ²⁴ 24	1 ¹ 1	27 ⁴³ 43	S 3
S 4	18 45 27	11 ²¹ 27	17 ³⁸ 38	21 ¹⁰ 10	29 ⁹ 9	22 ¹⁹ 19	9 ⁵⁷ 57	22 ²⁰ 20	19 ²⁵ 25	16 ³⁷ 37	25 ⁴⁴ 44	16 ³⁴ 34	15 ²¹ 21	1 ⁷ 7	27 ⁴¹ 41	S 4
M 5	18 49 23	12 ¹⁸ 37	1 ³⁸ 38	21 ⁴⁸ 48	0 ²³ 23	22 ⁴⁹ 49	10 ⁷ 7	22 ²⁴ 24	19 ²³ 23	16 ³⁹ 39	25 ⁴⁵ 45	16 ³⁰ 30	15 ¹⁸ 18	1 ¹⁴ 14	27 ⁴⁰ 40	M 5
T 6	18 53 20	13 ¹⁵ 48	15 ⁵¹ 51	22 ³¹ 31	1 ³⁶ 36	23 ¹⁸ 18	10 ¹⁶ 16	22 ²⁷ 27	19 ²⁰ 20	16 ⁴¹ 41	25 ⁴⁷ 47	16 ²⁷ 27	15 ¹⁵ 15	1 ²¹ 21	27 ³⁸ 38	T 6
W 7	18 57 16	14 ¹² 59	0 ¹² 12	23 ¹⁹ 19	2 ⁴⁹ 49	23 ⁴⁷ 47	10 ²⁶ 26	22 ³⁰ 30	19 ¹⁸ 18	16 ⁴³ 43	25 ⁴⁸ 48	16 ²³ 23	15 ¹¹ 11	1 ²⁸ 28	27 ³⁶ 36	W 7
T 8	19 1 13	15 ¹⁰ 10	14 ³⁵ 35	24 ¹¹ 11	4 ³ 3	24 ¹⁵ 15	10 ³⁵ 35	22 ³² 32	19 ¹⁶ 16	16 ⁴⁶ 46	25 ⁴⁹ 49	16 ²⁰ 20	15 ⁸ 8	1 ³⁴ 34	27 ³⁴ 34	T 8
F 9	19 5 10	16 ⁷ 22	28 ⁵⁷ 57	25 ⁸ 8	5 ¹⁶ 16	24 ⁴⁴ 44	10 ⁴⁵ 45	22 ³⁵ 35	19 ¹³ 13	16 ⁴⁸ 48	25 ⁵¹ 51	16 ¹⁸ 18	15 ⁵ 5	1 ⁴¹ 41	27 ³² 32	F 9
S 10	19 9 6	17 ⁴ 34	13 ¹⁴ 14	26 ⁹ 9	6 ²⁹ 29	25 ¹² 12	10 ⁵⁵ 55	22 ³⁸ 38	19 ¹¹ 11	16 ⁵⁰ 50	25 ⁵² 52	16 ¹⁷ 17	15 ² 2	1 ⁴⁸ 48	27 ³⁰ 30	S 10
S 11	19 13 3	18 ¹ 46	27 ²² 22	27 ¹⁵ 15	7 ⁴³ 43	25 ³⁹ 39	11 ⁵ 5	22 ⁴¹ 41	19 ⁸ 8	16 ⁵² 52	25 ⁵³ 53	16 ¹⁷ 17	14 ⁵⁹ 59	1 ⁵⁴ 54	27 ²⁸ 28	S 11
M 12	19 16 59	18 ⁵⁸ 59	11 ²¹ 21	28 ²⁶ 26	8 ⁵⁶ 56	26 ⁶ 6	11 ¹⁵ 15	22 ⁴³ 43	19 ⁶ 6	16 ⁵⁵ 55	25 ⁵⁵ 55	16 ¹⁸ 18	14 ⁵⁶ 56	2 ¹ 1	27 ²⁵ 25	M 12
T 13	19 20 56	19 ⁵⁶ 13	25 ⁹ 9	29 ⁴⁰ 40	10 ⁹ 9	26 ³³ 33	11 ²⁵ 25	22 ⁴⁶ 46	19 ⁴ 4	16 ⁵⁷ 57	25 ⁵⁶ 56	16 ¹⁹ 19	14 ⁵² 52	2 ⁸ 8	27 ²³ 23	T 13
W 14	19 24 52	20 ⁵³ 27	8 ⁴⁶ 46	1 ² 0	11 ²² 22	27 ⁰ 0	11 ³⁵ 35	22 ⁴⁸ 48	19 ¹ 1	16 ⁵⁹ 59	25 ⁵⁷ 57	16 ²⁰ 20	14 ⁴⁹ 49	2 ¹⁵ 15	27 ²¹ 21	W 14
T 15	19 28 49	21 ⁵⁰ 42	22 ¹² 12	2 ²³ 23	12 ³⁶ 36	27 ²⁶ 26	11 ⁴⁵ 45	22 ⁵⁰ 50	18 ⁵⁹ 59	17 ¹ 1	25 ⁵⁹ 59	16 ²¹ 21	14 ⁴⁶ 46	2 ²¹ 21	27 ¹⁹ 19	T 15
F 16	19 32 46	22 ⁴⁷ 58	5 ²⁵ 25	3 ⁵¹ 51	13 ⁴⁹ 49	27 ⁵¹ 51	11 ⁵⁶ 56	22 ⁵² 52	18 ⁵⁶ 56	17 ³ 3	26 ⁰ 0	16 ¹⁹ 19	14 ⁴³ 43	2 ²⁸ 28	27 ¹⁶ 16	F 16
S 17	19 36 42	23 ⁴⁵ 14	18 ²⁶ 26	5 ²² 22	15 ² 2	28 ¹⁶ 16	12 ⁶ 6	22 ⁵⁴ 54	18 ⁵⁴ 54	17 ⁶ 6	26 ¹ 1	16 ¹⁶ 16	14 ⁴⁰ 40	2 ³⁵ 35	27 ¹⁴ 14	S 17
S 18	19 40 39	24 ⁴² 30	1 ¹³ 13	6 ⁵⁸ 58	16 ¹⁵ 15	28 ⁴¹ 41	12 ¹⁷ 17	22 ⁵⁶ 56	18 ⁵² 52	17 ⁸ 8	26 ² 2	16 ¹¹ 11	14 ³⁶ 36	2 ⁴² 42	27 ¹² 12	S 18
M 19	19 44 35	25 ³⁹ 46	13 ⁴⁸ 48	8 ³⁷ 37	17 ²⁹ 29	29 ⁵ 5	12 ²⁷ 27	22 ⁵⁸ 58	18 ⁴⁹ 49	17 ¹⁰ 10	26 ⁴ 4	16 ⁴ 4	14 ³³ 33	2 ⁴⁸ 48	27 ⁹ 9	M 19
T 20	19 48 32	26 ³⁷ 03	26 ¹⁰ 10	10 ²⁰ 20	18 ⁴² 42	29 ²⁹ 29	12 ³⁸ 38	23 ⁰ 0	18 ⁴⁷ 47	17 ¹² 12	26 ⁵ 5	15 ⁵⁷ 57	14 ³⁰ 30	2 ⁵⁵ 55	27 ⁷ 7	T 20
W 21	19 52 28	27 ³⁴ 21	8 ²⁰ 20	12 ⁷ 7	19 ⁵⁵ 55	29 ⁵² 52	12 ⁴⁹ 49	23 ¹ 1	18 ⁴⁴ 44	17 ¹⁵ 15	26 ⁶ 6	15 ⁵⁰ 50	14 ²⁷ 27	3 ² 2	27 ⁴ 4	W 21
T 22	19 56 25	28 ³¹ 38	20 ²¹ 21	13 ⁵⁶ 56	21 ⁸ 8	0 ¹⁵ 15	13 ⁰ 0	23 ³ 3	18 ⁴² 42	17 ¹⁷ 17	26 ⁸ 8	15 ⁴⁴ 44	14 ²⁴ 24	3 ⁸ 8	27 ² 2	T 22
F 23	20 0 21	29 ²⁸ 57	2 ¹⁶ 16	15 ⁴⁹ 49	22 ²¹ 21	0 ³⁷ 37	13 ¹⁰ 10	23 ⁴ 4	18 ⁴⁰ 40	17 ¹⁹ 19	26 ⁹ 9	15 ³⁹ 39	14 ²¹ 21	3 ¹⁵ 15	26 ⁵⁹ 59	F 23
S 24	20 4 18	0 ²⁶ 15	14 ⁷ 7	17 ⁴⁴ 44	23 ³⁴ 34	0 ⁵⁸ 58	13 ²¹ 21	23 ⁶ 6	18 ³⁷ 37	17 ²¹ 21	26 ¹⁰ 10	15 ³⁵ 35	14 ¹⁷ 17	3 ²² 22	26 ⁵⁷ 57	S 24
S 25	20 8 15	1 ²³ 34	26 ¹ 1	19 ⁴² 42	24 ⁴⁷ 47	1 ²⁰ 20	13 ³³ 33	23 ⁷ 7	18 ³⁵ 35	17 ²³ 23	26 ¹¹ 11	15 ³⁴ 34	14 ¹⁴ 14	3 ²⁹ 29	26 ⁵⁴ 54	S 25
M 26	20 12 11	2 ²⁰ 53	8 ¹¹ 11	21 ⁴² 42	26 ¹ 1	1 ⁴⁰ 40	13 ⁴⁴ 44	23 ⁸ 8	18 ³³ 33	17 ²⁵ 25	26 ¹² 12	15 ³⁴ 34	14 ¹¹ 11	3 ³⁵ 35	26 ⁵¹ 51	M 26
T 27	20 16 8	3 ¹⁸ 13	20 ¹⁰ 10	23 ⁴⁴ 44	27 ¹⁴ 14	2 ⁰ 0	13 ⁵⁵ 55	23 ⁹ 9	18 ³⁰ 30	17 ²⁸ 28	26 ¹⁴ 14	15 ³⁵ 35	14 ⁸ 8	3 ⁴² 42	26 ⁴⁹ 49	T 27
W 28	20 20 4	4 ¹⁵ 33	2 ³⁷ 37	25 ⁴⁷ 47	28 ²⁷ 27	2 ²⁰ 20	14 ⁶ 6	23 ¹⁰ 10	18 ²⁸ 28	17 ³⁰ 30	26 ¹⁵ 15	15 ³⁶ 36	14 ⁵ 5	3 ⁴⁹ 49	26 ⁴⁶ 46	W 28
T 29	20 24 1	5 ¹² 54	15 ²⁴ 24	27 ⁵¹ 51	29 ⁴⁰ 40	2 ³⁹ 39	14 ¹⁷ 17	23 ¹¹ 11	18 ²⁶ 26	17 ³² 32	26 ¹⁶ 16	15 ³⁶ 36	14 ² 2	3 ⁵⁵ 55	26 ⁴³ 43	T 29
F 30	20 27 57	6 ¹⁰ 15	28 ³⁵ 35	29 ⁵⁷ 57	0 ⁵³ 53	2 ⁵⁷ 57	14 ²⁹ 29	23 ¹² 12	18 ²³ 23	17 ³⁴ 34	26 ¹⁷ 17	15 ³⁶ 36	13 ⁵⁸ 58	4 ² 2	26 ⁴⁰ 40	F 30
S 31	20 31 54	7 ¹² 37	12 ³¹ 31	2 ¹² 12	2 ¹² 12	3 ¹⁵ 15	14 ⁴⁰ 40	23 ¹² 12	18 ²¹ 21	17 ³⁶ 36	26 ¹⁸ 18	15 ³³ 33	13 ⁵⁵ 55	4 ⁹ 9	26 ³⁸ 38	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
T 1	23n11	20s44	0n50	18n56	4s 8	22n23	1n21	6s59	3s38	9n 4	1n 8	6n23	2s25	22s30	0s28	21n44	0s42	16n28	6s55	22n47	22n40	4n14	6s11	6n27							
F 2	23 7	23 28	0s21	19 5	4 0	22 10	1 22	6 49	3 40	9 0	1 8	6 24	2 26	22 30	0 28	21 44	0 42	16 28	6 55	22 47	22 39	4 12	6 11	6 28							
S 3	23 3	24 57	1 34	19 16	3 52	21 57	1 23	6 39	3 43	8 57	1 8	6 25	2 26	22 30	0 28	21 44	0 42	16 28	6 55	22 47	22 39	4 9	6 12	6 28							
S 4	22 58	24 58	2 42	19 28	3 42	21 43	1 25	6 30	3 45	8 53	1 8	6 26	2 26	22 31	0 28	21 43	0 42	16 28	6 55	22 46	22 39	4 6	6 12	6 28							
M 5	22 53	23 25	3 42	19 40	3 32	21 28	1 26	6 20	3 47	8 50	1 8	6 27	2 27	22 31	0 28	21 43	0 42	16 28	6 55	22 46	22 38	4 3	6 12	6 28							
T 6	22 47	20 23	4 29	19 53	3 22	21 13	1 27	6 10	3 50	8 46	1 8	6 28	2 27	22 31	0 28	21 43	0 42	16 28	6 55	22 46	22 38	4 0	6 13	6 29							
W 7	22 42	16 5	5 0	20 7	3 10	20 58	1 28	6 1	3 52	8 42	1 8	6 29	2 27	22 32	0 28	21 43	0 42	16 28	6 55	22 45	22 38	3 57	6 13	6 29							
T 8	22 35	10 52	5 12	20 21	2 59	20 41	1 28	5 52	3 54	8 38	1 7	6 30	2 27	22 32	0 28	21 42	0 42	16 28	6 55	22 45	22 37	3 54	6 14	6 29							
F 9	22 29	5 5	5 5	20 36	2 46	20 24	1 29	5 43	3 57	8 35	1 7	6 31	2 28	22 32	0 28	21 42	0 42	16 28	6 55	22 45	22 37	3 51	6 14	6 29							
S 10	22 22	0n57	4 39	20 50	2 34	20 7	1 30	5 34	3 59	8 31	1 7	6 31	2 28	22 33	0 28	21 42	0 42	16 28	6 55	22 45	22 37	3 48	6 15	6 30							
S 11	22 14	6 52	3 56	21 5	2 21	19 49	1 31	5 25	4 1	8 27	1 7	6 32	2 28	22 33	0 28	21 42	0 42	16 28	6 55	22 45	22 36	3 45	6 15	6 30							
M12	22 6	12 24	2 59	21 19	2 8	19 30	1 31	5 16	4 8	8 23	1 7	6 33	2 28	22 34	0 28	21 41	0 42	16 28	6 55	22 45	22 36	3 43	6 16	6 30							
T 13	21 58	17 14	1 53	21 33	1 54	19 11	1 32	5 8	4 6	8 19	1 7	6 33	2 29	22 34	0 28	21 41	0 42	16 28	6 55	22 45	22 36	3 40	6 16	6 30							
W14	21 50	21 6	0 41	21 46	1 41	18 51	1 33	4 59	4 8	8 15	1 7	6 34	2 29	22 34	0 28	21 41	0 42	16 28	6 55	22 45	22 35	3 37	6 17	6 30							
T 15	21 41	23 45	0n32	21 58	1 27	18 31	1 33	4 51	4 11	8 11	1 7	6 35	2 29	22 35	0 28	21 41	0 42	16 28	6 55	22 45	22 35	3 34	6 17	6 31							
F 16	21 31	25 2	1 42	22 10	1 14	18 11	1 33	4 43	4 13	8 7	1 7	6 35	2 29	22 35	0 28	21 40	0 42	16 28	6 55	22 45	22 35	3 31	6 18	6 31							
S 17	21 22	24 55	2 45	22 20	1 0	17 50	1 34	4 35	4 15	8 3	1 6	6 36	2 30	22 35	0 28	21 40	0 42	16 28	6 55	22 45	22 34	3 28	6 18	6 31							
S 18	21 12	23 28	3 39	22 29	0 47	17 28	1 34	4 28	4 18	7 59	1 6	6 36	2 30	22 36	0 28	21 40	0 42	16 28	6 55	22 44	22 34	3 25	6 19	6 31							
M19	21 1	20 52	4 22	22 37	0 34	17 6	1 34	4 20	4 20	7 55	1 6	6 36	2 30	22 36	0 28	21 39	0 42	16 28	6 55	22 43	22 33	3 22	6 20	6 31							
T 20	20 51	17 21	4 51	22 42	0 21	16 43	1 34	4 13	4 22	7 51	1 6	6 37	2 31	22 36	0 28	21 39	0 42	16 28	6 55	22 43	22 33	3 19	6 20	6 32							
W21	20 39	13 10	5 6	22 46	0 8	16 20	1 34	4 6	4 24	7 46	1 6	6 37	2 31	22 37	0 28	21 39	0 42	16 28	6 55	22 42	22 33	3 16	6 21	6 32							
T 22	20 28	8 32	5 8	22 47	0n 4	15 57	1 34	3 59	4 27	7 42	1 6	6 37	2 31	22 37	0 28	21 39	0 42	16 28	6 55	22 41	22 32	3 13	6 22	6 32							
F 23	20 16	3 37	4 56	22 46	0 15	15 33	1 34	3 52	4 29	7 38	1 6	6 38	2 31	22 37	0 28	21 38	0 42	16 28	6 55	22 41	22 32	3 10	6 22	6 32							
S 24	20 4	1s24	4 32	22 43	0 27	15 9	1 34	3 46	4 31	7 33	1 6	6 38	2 32	22 38	0 28	21 38	0 42	16 28	6 55	22 40	22 32	3 8	6 23	6 32							
S 25	19 52	6 24	3 55	22 37	0 37	14 44	1 33	3 39	4 34	7 29	1 6	6 38	2 32	22 38	0 28	21 38	0 42	16 28	6 56	22 40	22 31	3 5	6 24	6 32							
M26	19 39	11 12	3 9	22 29	0 47	14 19	1 33	3 33	4 36	7 25	1 6	6 38	2 32	22 38	0 28	21 38	0 42	16 28	6 56	22 40	22 31	3 2	6 25	6 32							
T 27	19 26	15 40	2 13	22 17	0 56	13 54	1 33	3 27	4 38	7 20	1 6	6 38	2 32	22 39	0 28	21 37	0 42	16 28	6 56	22 40	22 30	2 59	6 26	6 33							
W28	19 12	19 34	1 9	22 4	1 5	13 28	1 32	3 22	4 40	7 16	1 6	6 39	2 33	22 39	0 28	21 37	0 42	16 28	6 56	22 40	22 30	2 56	6 26	6 33							
T 29	18 58	22 38	0 0	21 47	1 12	13 2	1 32	3 16	4 43	7 12	1 5	6 39	2 33	22 39	0 28	21 37	0 42	16 28	6 56	22 40	22 30	2 53	6 27	6 33							
F 30	18 44	24 36	1s 9	21 28	1 19	12 35	1 31	3 11	4 45	7 7	1 5	6 39	2 34	22 39	0 28	21 36	0 42	16 28	6 56	22 40	22 29	2 50	6 28	6 33							
S 31	18n30	25s11	2s18	21n 6	1n26	12n 8	1n30	3s 6	4s47	7n 3	1n 5	6n39	2s34	22s40	0s28	21n36	0s42	16n28	6s56	22n40	22n29	2n47	6s29	6n33							

ASTRODIENST EPHEMERIS for the year 1909
geocentric

AUGUST 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 35 50	8♌ 5'00	26♌13	4♌ 8	3♍19	3♍32	14♍52	23♍13	18♍19	17♍38	26♍19	15♍28	13♍52	4♎16	26♍35	S 1
M 2	20 39 47	9° 2'24	10♌36	6°14	4°31	3°49	15° 3	23°13	18♌17	17°40	26°20	15♍21	13°49	4°22	26♌32	M 2
T 3	20 43 44	9°59'48	25°16	8°19	5°44	4° 4	15°15	23°13	18°15	17°43	26°21	15°13	13°46	4°29	26°29	T 3
W 4	20 47 40	10°57'14	10♌ 4	10°24	6°57	4°20	15°27	23°14	18°12	17°45	26°23	15° 5	13°42	4°36	26°26	W 4
T 5	20 51 37	11°54'40	24°52	12°28	8°10	4°34	15°38	23°14	18°10	17°47	26°24	14°57	13°39	4°42	26°23	T 5
F 6	20 55 33	12°52'08	9♍33	14°31	9°23	4°48	15°50	23°14	18° 8	17°49	26°25	14°51	13°36	4°49	26°20	F 6
S 7	20 59 30	13°49'37	24° 0	16°33	10°36	5° 1	16° 2	23°14	18° 6	17°51	26°26	14°48	13°33	4°56	26°18	S 7
S 8	21 3 26	14°47'07	8♌12	18°34	11°49	5°14	16°14	23°13	18° 4	17°53	26°27	14°46	13°30	5° 3	26°15	S 8
M 9	21 7 23	15°44'39	22° 5	20°34	13° 1	5°26	16°26	23°13	18° 2	17°55	26°28	14°D46	13°27	5° 9	26°12	M 9
T 10	21 11 19	16°42'12	5♍41	22°32	14°14	5°37	16°38	23°13	18° 0	17°57	26°29	14°47	13°23	5°16	26° 9	T 10
W 11	21 15 16	17°39'47	19° 0	24°29	15°27	5°47	16°50	23°12	17°58	17°59	26°30	14°R47	13°20	5°23	26° 6	W 11
T 12	21 19 13	18°37'23	2♎ 6	26°25	16°40	5°56	17° 2	23°11	17°56	18° 1	26°31	14°45	13°17	5°29	26° 3	T 12
F 13	21 23 9	19°35'01	14°58	28°19	17°52	6° 5	17°14	23°11	17°54	18° 3	26°32	14°42	13°14	5°36	26° 0	F 13
S 14	21 27 6	20°32'40	27°39	0♍11	19° 5	6°13	17°26	23°10	17°52	18° 5	26°33	14°35	13°11	5°43	25°57	S 14
S 15	21 31 2	21°30'20	10♌10	2° 3	20°18	6°20	17°38	23° 9	17°50	18° 7	26°33	14°26	13° 8	5°50	25°54	S 15
M 16	21 34 59	22°28'02	22°31	3°53	21°30	6°27	17°51	23° 8	17°48	18° 9	26°34	14°15	13° 4	5°56	25°51	M 16
T 17	21 38 55	23°25'44	4♍42	5°41	22°43	6°32	18° 3	23° 7	17°46	18°11	26°35	14° 3	13° 1	6° 3	25°48	T 17
W 18	21 42 52	24°23'28	16°46	7°28	23°56	6°37	18°15	23° 5	17°45	18°12	26°36	13°50	12°58	6°10	25°45	W 18
T 19	21 46 48	25°21'14	28°43	9°13	25° 8	6°41	18°28	23° 4	17°43	18°14	26°37	13°39	12°55	6°16	25°42	T 19
F 20	21 50 45	26°19'00	10♌34	10°57	26°21	6°44	18°40	23° 3	17°41	18°16	26°38	13°29	12°52	6°23	25°39	F 20
S 21	21 54 42	27°16'48	22°24	12°40	27°33	6°46	18°53	23° 1	17°39	18°18	26°38	13°21	12°48	6°30	25°35	S 21
S 22	21 58 38	28°14'37	4♍15	14°21	28°46	6°47	19° 5	22°59	17°38	18°20	26°39	13°17	12°45	6°37	25°32	S 22
M 23	22 2 35	29°12'27	16°12	16° 1	29°58	6°R48	19°18	22°58	17°36	18°22	26°40	13°14	12°42	6°43	25°29	M 23
T 24	22 6 31	0♍10'18	28°20	17°40	1♎11	6°47	19°30	22°56	17°35	18°23	26°41	13°D14	12°39	6°50	25°26	T 24
W 25	22 10 28	1° 8'11	10♌43	19°17	2°23	6°46	19°43	22°54	17°33	18°25	26°41	13°R14	12°36	6°57	25°23	W 25
T 26	22 14 24	2° 6'05	23°28	20°53	3°35	6°44	19°55	22°52	17°32	18°27	26°42	13°13	12°33	7° 3	25°20	T 26
F 27	22 18 21	3° 4'00	6♌38	22°27	4°48	6°41	20° 8	22°50	17°30	18°29	26°43	13°12	12°29	7°10	25°17	F 27
S 28	22 22 17	4° 1'57	20°16	24° 0	6° 0	6°38	20°21	22°48	17°29	18°30	26°44	13° 8	12°26	7°17	25°14	S 28
S 29	22 26 14	4°59'55	4♎24	25°32	7°12	6°33	20°33	22°45	17°27	18°32	26°44	13° 1	12°23	7°23	25°12	S 29
M 30	22 30 11	5°57'54	18°59	27° 3	8°25	6°28	20°46	22°43	17°26	18°34	26°45	12°52	12°20	7°30	25° 9	M 30
T 31	22 34 7	6♍55'55	3♌55	28♍32	9♎37	6°V22	20♍59	22°V40	17♌25	18♌35	26♍45	12♍42	12♍17	7♎37	25° 6	T 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
S 1	18n15	24s11	3s20	20n42	1n31	11n41	1n29	3s 1	4s49	6n58	1n 5	6n38	2s34	22s40	0s28	21n36
M 2	18 0	21 37	4 11	20 16	1 35	11 14	1 29	2 57	4 51	6 54	1 5	6 38	2 34	22 40	0 28	21 36
T 3	17 45	17 36	4 47	19 47	1 39	10 46	1 28	2 52	4 54	6 49	1 5	6 38	2 34	22 41	0 28	21 35
W 4	17 29	12 29	5 4	19 17	1 42	10 18	1 27	2 48	4 56	6 44	1 5	6 38	2 35	22 41	0 28	21 35
T 5	17 14	6 38	5 0	18 44	1 44	9 50	1 26	2 44	4 58	6 40	1 5	6 38	2 35	22 41	0 28	21 35
F 6	16 58	0 28	4 37	18 10	1 45	9 22	1 24	2 41	5 0	6 35	1 5	6 38	2 35	22 42	0 28	21 35
S 7	16 41	5n39	3 57	17 34	1 46	8 53	1 23	2 37	5 2	6 31	1 5	6 37	2 35	22 42	0 28	21 34
S 8	16 24	11 22	3 2	16 57	1 46	8 24	1 22	2 34	5 4	6 26	1 5	6 37	2 36	22 42	0 28	21 34
M 9	16 8	16 24	1 58	16 18	1 45	7 55	1 21	2 31	5 6	6 21	1 5	6 37	2 36	22 42	0 28	21 34
T 10	15 50	20 28	0 48	15 39	1 44	7 25	1 19	2 29	5 8	6 16	1 5	6 36	2 36	22 43	0 28	21 33
W 11	15 33	23 22	0n23	14 58	1 42	6 56	1 18	2 26	5 10	6 12	1 5	6 36	2 37	22 43	0 28	21 33
T 12	15 15	24 57	1 31	14 17	1 40	6 26	1 16	2 24	5 11	6 7	1 5	6 35	2 37	22 43	0 28	21 33
F 13	14 57	25 9	2 33	13 35	1 37	5 56	1 14	2 22	5 13	6 2	1 5	6 35	2 37	22 43	0 28	21 33
S 14	14 39	24 1	3 27	12 52	1 33	5 26	1 13	2 21	5 15	5 57	1 5	6 34	2 37	22 44	0 28	21 32
S 15	14 21	21 43	4 10	12 9	1 29	4 56	1 11	2 20	5 17	5 53	1 4	6 34	2 38	22 44	0 28	21 32
M 16	14 2	18 26	4 40	11 25	1 25	4 26	1 9	2 19	5 18	5 48	1 4	6 33	2 38	22 44	0 28	21 32
T 17	13 43	14 24	4 57	10 41	1 20	3 55	1 7	2 18	5 20	5 43	1 4	6 32	2 38	22 44	0 28	21 32
W 18	13 24	9 51	5 1	9 56	1 15	3 24	1 5	2 17	5 21	5 38	1 4	6 32	2 38	22 45	0 28	21 31
T 19	13 5	4 58	4 51	9 12	1 10	2 54	1 3	2 17	5 23	5 33	1 4	6 31	2 39	22 45	0 28	21 31
F 20	12 45	0s 4	4 29	8 27	1 4	2 23	1 1	2 17	5 24	5 28	1 4	6 30	2 39	22 45	0 28	21 31
S 21	12 25	5 5	3 55	7 42	0 58	1 52	0 59	2 17	5 25	5 23	1 4	6 29	2 39	22 45	0 28	21 31
S 22	12 5	9 57	3 11	6 57	0 51	1 21	0 56	2 18	5 26	5 18	1 4	6 28	2 39	22 45	0 28	21 30
M 23	11 45	14 29	2 18	6 12	0 45	0 50	0 54	2 19	5 27	5 13	1 4	6 28	2 40	22 46	0 28	21 30
T 24	11 25	18 32	1 18	5 28	0 38	0 19	0 52	2 20	5 28	5 9	1 4	6 27	2 40	22 46	0 28	21 30
W 25	11 5	21 51	0 13	4 43	0 31	0s12	0 49	2 21	5 29	5 4	1 4	6 26	2 40	22 46	0 28	21 30
T 26	10 44	24 11	0s54	3 58	0 23	0 43	0 47	2 23	5 30	4 59	1 4	6 25	2 40	22 46	0 28	21 29
F 27	10 23	25 17	2 0	3 14	0 16	1 14	0 44	2 25	5 31	4 54	1 4	6 24	2 41	22 46	0 28	21 29
S 28	10 2	24 56	3 2	2 30	0 8	1 45	0 42	2 27	5 32	4 49	1 4	6 23	2 41	22 47	0 28	21 29
S 29	9 41	22 59	3 55	1 47	0 0	2 16	0 39	2 29	5 32	4 44	1 4	6 22	2 41	22 47	0 28	21 29
M 30	9 20	19 29	4 35	1 3	0s 8	2 47	0 36	2 31	5 32	4 39	1 4	6 20	2 41	22 47	0 28	21 28
T 31	8n58	14s41	4s57	0n21	0s16	3s18	0n33	2s34	5s33	4n33	1n 4	6n19	2s42	22s47	0s28	21n28

Julian Day Number = 2418519.5, Delta T = 10.61 sec
Ecliptic obliquity = 23°27'06, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°28'39, Lahiri = 22°35'39

ASTRODIENST EPHEMERIS for the year 1909
geocentric

OCTOBER 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 36 20	7♏ 9°58'	27♏58	27°R33	16♏36	28°R52	27♏40	20°R46	17♏7	19♏12	26°R54	9°R23	10♏38	11♏5	23°R48	F 1
S 2	0 40 17	8° 8'58"	12♏57	27♏25	17°47'	28♏36	27°52'	20°Y41	17° 7'	19°13'	26♏53	9♏18	10°35'	11°11'	23°≈46	S 2
S 3	0 44 13	9° 8'02"	27°34'	27° 9'	18°58'	28°21'	28° 5'	20°36'	17° 8'	19°14'	26°53'	9°16'	10°32'	11°18'	23°44'	S 3
M 4	0 48 10	10° 7'07"	11♏44	26°46'	20° 9'	28° 6'	28°18'	20°32'	17° 8'	19°15'	26°53'	9°D15	10°29'	11°25'	23°42'	M 4
T 5	0 52 6	11° 6'15"	25°27'	26°14'	21°19'	27°52'	28°31'	20°27'	17° 8'	19°15'	26°53'	9°16'	10°25'	11°32'	23°40'	T 5
W 6	0 56 3	12° 5'25"	8♏43	25°35'	22°30'	27°38'	28°44'	20°22'	17° 9'	19°16'	26°53'	9°R17	10°22'	11°38'	23°39'	W 6
T 7	1 0 0	13° 4'38"	21°36'	24°48'	23°41'	27°25'	28°57'	20°18'	17° 9'	19°16'	26°53'	9°16'	10°19'	11°45'	23°37'	T 7
F 8	1 3 56	14° 3'53"	4♏11	23°54'	24°51'	27°12'	29° 9'	20°13'	17°10'	19°17'	26°52'	9°14'	10°16'	11°52'	23°36'	F 8
S 9	1 7 53	15° 3'10"	16°30'	22°54'	26° 1'	27° 0'	29°22'	20° 8'	17°10'	19°17'	26°52'	9°10'	10°13'	11°58'	23°34'	S 9
S 10	1 11 49	16° 2'29"	28°39'	21°49'	27°12'	26°49'	29°35'	20° 4'	17°11'	19°18'	26°52'	9° 3'	10°10'	12° 5'	23°33'	S 10
M 11	1 15 46	17° 1'51"	10♏39	20°39'	28°22'	26°38'	29°48'	19°59'	17°12'	19°18'	26°52'	8°54'	10° 6'	12°12'	23°31'	M 11
T 12	1 19 42	18° 1'15"	22°34'	19°27'	29°32'	26°28'	0♏0	19°54'	17°12'	19°19'	26°51'	8°45'	10° 3'	12°19'	23°30'	T 12
W 13	1 23 39	19° 0'41"	4♏26	18°15'	0♏42	26°18'	0°13'	19°49'	17°13'	19°19'	26°51'	8°35'	10° 0'	12°25'	23°28'	W 13
T 14	1 27 35	20° 0'09"	16°17'	17° 4'	1°53'	26°10'	0°26'	19°45'	17°14'	19°19'	26°51'	8°25'	9°57'	12°32'	23°27'	T 14
F 15	1 31 32	20°59'39"	28° 8'	15°58'	3° 3'	26° 2'	0°38'	19°40'	17°15'	19°20'	26°50'	8°17'	9°54'	12°39'	23°26'	F 15
S 16	1 35 28	21°59'11"	10♏1	14°57'	4°13'	25°55'	0°51'	19°35'	17°16'	19°20'	26°50'	8°11'	9°50'	12°45'	23°25'	S 16
S 17	1 39 25	22°58'45"	21°58'	14° 3'	5°22'	25°48'	1° 3'	19°30'	17°17'	19°20'	26°50'	8° 8'	9°47'	12°52'	23°24'	S 17
M 18	1 43 22	23°58'21"	4♏1	13°19'	6°32'	25°43'	1°16'	19°25'	17°18'	19°20'	26°49'	8°D 6'	9°44'	12°59'	23°23'	M 18
T 19	1 47 18	24°57'59"	16°13'	12°44'	7°42'	25°38'	1°28'	19°21'	17°19'	19°20'	26°49'	8° 6'	9°41'	13° 5'	23°22'	T 19
W 20	1 51 15	25°57'38"	28°38'	12°21'	8°52'	25°34'	1°40'	19°16'	17°20'	19°21'	26°48'	8° 7'	9°38'	13°12'	23°21'	W 20
T 21	1 55 11	26°57'20"	11♏19	12° 8'	10° 1'	25°31'	1°53'	19°11'	17°21'	19°21'	26°48'	8° 9'	9°35'	13°19'	23°20'	T 21
F 22	1 59 8	27°57'03"	24°21'	12°D 7'	11°10'	25°29'	2° 5'	19° 7'	17°23'	19°21'	26°47'	8°R10	9°31'	13°26'	23°19'	F 22
S 23	2 3 4	28°56'48"	7°≈46	12°17'	12°20'	25°28'	2°17'	19° 2'	17°24'	19°R21	26°47'	8°10'	9°28'	13°32'	23°18'	S 23
S 24	2 7 1	29°56'34"	21°37'	12°38'	13°29'	25°D27	2°30'	18°57'	17°25'	19°21'	26°46'	8° 8'	9°25'	13°39'	23°18'	S 24
M 25	2 10 57	0♏56'23"	5♏55	13° 8'	14°38'	25°27'	2°42'	18°53'	17°27'	19°21'	26°45'	8° 4'	9°22'	13°46'	23°17'	M 25
T 26	2 14 54	1°56'12"	20°38'	13°47'	15°47'	25°28'	2°54'	18°48'	17°28'	19°21'	26°45'	7°59'	9°19'	13°52'	23°17'	T 26
W 27	2 18 51	2°56'04"	5♏39	14°35'	16°56'	25°30'	3° 6'	18°44'	17°30'	19°21'	26°44'	7°54'	9°16'	13°59'	23°16'	W 27
T 28	2 22 47	3°55'57"	20°50'	15°30'	18° 5'	25°32'	3°18'	18°39'	17°31'	19°20'	26°44'	7°49'	9°12'	14° 6'	23°16'	T 28
F 29	2 26 44	4°55'52"	6♏3	16°32'	19°14'	25°36'	3°30'	18°35'	17°33'	19°20'	26°43'	7°45'	9° 9'	14°12'	23°15'	F 29
S 30	2 30 40	5°55'49"	21° 5'	17°40'	20°22'	25°40'	3°42'	18°30'	17°34'	19°20'	26°42'	7°42'	9° 6'	14°19'	23°15'	S 30
S 31	2 34 37	6♏55'48"	5♏49	18°52'	21°≈30	25°≈45	3°≈54	18°Y26	17°≈36	19°≈20	26°≈42	7°D42	9♏3	14°≈26	23°≈15	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
F 1	2s51	7n37	3s22	14s 2	3s40	17s55	1s 9	4s34	4s30	1n55	1n 5	5n32	2s47	22s49	0s28	21n23	0s42	16n23	7s 2	21n52	22n 3	0s18	7s32	6n25	
S 2	3 14	13 35	2 16	13 57	3 39	18 18	1 13	4 37	4 25	1 50	1 5	5 30	2 47	22 49	0 28	21 23	0 42	16 23	7 2	21 51	22 3	0 21	7 33	6 24	
S 3	3 37	18 37	1 2	13 49	3 36	18 41	1 16	4 39	4 21	1 45	1 5	5 29	2 47	22 49	0 28	21 23	0 42	16 23	7 2	21 51	22 2	0 24	7 34	6 24	
M 4	4 1	22 26	0n13	13 36	3 32	19 4	1 20	4 41	4 17	1 40	1 5	5 27	2 47	22 49	0 28	21 22	0 42	16 23	7 2	21 51	22 2	0 27	7 35	6 24	
T 5	4 24	24 48	1 26	13 19	3 26	19 26	1 23	4 43	4 12	1 35	1 5	5 25	2 47	22 49	0 28	21 22	0 42	16 23	7 2	21 51	22 1	0 30	7 36	6 23	
W 6	4 47	25 40	2 31	12 58	3 18	19 48	1 27	4 44	4 8	1 30	1 5	5 23	2 47	22 49	0 28	21 22	0 42	16 23	7 2	21 51	22 1	0 33	7 37	6 23	
T 7	5 10	25 7	3 27	12 32	3 8	20 9	1 30	4 45	4 3	1 25	1 5	5 21	2 47	22 49	0 28	21 22	0 42	16 23	7 2	21 51	22 0	0 36	7 38	6 23	
F 8	5 33	23 17	4 11	12 1	2 57	20 30	1 33	4 46	3 59	1 20	1 5	5 20	2 47	22 48	0 28	21 22	0 42	16 23	7 2	21 51	22 0	0 39	7 38	6 22	
S 9	5 56	20 23	4 43	11 27	2 44	20 50	1 37	4 46	3 54	1 15	1 5	5 18	2 47	22 48	0 28	21 22	0 42	16 23	7 2	21 50	22 0	0 42	7 39	6 22	
S 10	6 19	16 39	5 1	10 48	2 29	21 10	1 40	4 47	3 50	1 10	1 5	5 16	2 47	22 48	0 28	21 22	0 42	16 22	7 3	21 49	21 59	0 45	7 40	6 22	
M11	6 42	12 17	5 6	10 6	2 12	21 29	1 43	4 47	3 45	1 5	1 5	5 14	2 47	22 48	0 28	21 22	0 42	16 22	7 3	21 48	21 59	0 48	7 41	6 21	
T 12	7 4	7 30	4 57	9 22	1 54	21 48	1 47	4 46	3 40	1 0	1 5	5 12	2 47	22 48	0 28	21 22	0 42	16 22	7 3	21 46	21 58	0 51	7 42	6 21	
W13	7 27	2 27	4 36	8 37	1 35	22 6	1 50	4 46	3 35	0 55	1 5	5 11	2 47	22 48	0 28	21 22	0 42	16 22	7 3	21 45	21 58	0 54	7 43	6 20	
T 14	7 49	2s41	4 2	7 51	1 14	22 24	1 53	4 45	3 31	0 50	1 5	5 9	2 47	22 48	0 28	21 22	0 42	16 22	7 3	21 43	21 57	0 57	7 43	6 20	
F 15	8 12	7 43	3 19	7 7	0 54	22 41	1 56	4 44	3 26	0 45	1 6	5 7	2 47	22 48	0 28	21 22	0 42	16 22	7 3	21 42	21 57	1 0	7 44	6 20	
S 16	8 34	12 31	2 26	6 24	0 33	22 57	1 59	4 42	3 21	0 40	1 6	5 5	2 47	22 48	0 28	21 21	0 42	16 22	7 3	21 41	21 56	1 3	7 45	6 19	
S 17	8 56	16 53	1 26	5 45	0 13	23 13	2 2	4 40	3 16	0 35	1 6	5 3	2 47	22 47	0 28	21 21	0 42	16 22	7 3	21 40	21 56	1 7	7 45	6 19	
M18	9 18	20 36	0 22	5 9	0n 7	23 28	2 5	4 38	3 12	0 30	1 6	5 2	2 47	22 47	0 28	21 21	0 42	16 22	7 3	21 40	21 55	1 10	7 46	6 18	
T 19	9 40	23 28	0s44	4 39	0 25	23 43	2 8	4 36	3 7	0 25	1 6	5 0	2 47	22 47	0 27	21 21	0 42	16 21	7 3	21 40	21 55	1 13	7 47	6 18	
W 20	10 2	25 16	1 49	4 14	0 42	23 57	2 11	4 33	3 2	0 21	1 6	4 58	2 47	22 47	0 27	21 21	0 42	16 21	7 4	21 40	21 54	1 16	7 48	6 18	
T 21	10 24	25 48	2 51	3 54	0 58	24 11	2 14	4 30	2 58	0 16	1 6	4 56	2 47	22 47	0 27	21 21	0 42	16 21	7 4	21 41	21 54	1 19	7 48	6 17	
F 22	10 45	24 57	3 45	3 41	1 12	24 23	2 17	4 26	2 53	0 11	1 6	4 55	2 47	22 47	0 27	21 21	0 42	16 21	7 4	21 41	21 53	1 22	7 49	6 17	
S 23	11 6	22 40	4 29	3 33	1 25	24 36	2 20	4 23	2 48	0 6	1 6	4 53	2 47	22 46	0 27	21 21	0 43	16 21	7 4	21 41	21 53	1 25	7 50	6 16	
S 24	11 27	19 0	4 58	3 31	1 36	24 47	2 22	4 19	2 44	0 1	1 6	4 51	2 47	22 46	0 27	21 21	0 43	16 21	7 4	21 40	21 52	1 28	7 50	6 16	
M25	11 48	14 9	5 11	3 35	1 45	24 58	2 25	4 15	2 39	0s 3	1 6	4 50	2 47	22 46	0 27	21 21	0 43	16 21	7 4	21 40	21 52	1 31	7 51	6 16	
T 26	12 9	8 22	5 4	3 43	1 52	25 8	2 28	4 10	2 35	0 8	1 7	4 48	2 47	22 46	0 27	21 21	0 43	16 21	7 4	21 39	21 52	1 34	7 51	6 15	
W27	12 30	1 59	4 36	3 56	1 58	25 18	2 30	4 5	2 30	0 13	1 7	4 46	2 47	22 46	0 27	21 21	0 43	16 21	7 4	21 38	21 51	1 37	7 52	6 15	
T 28	12 50	4n37	3 48	4 13	2 3	25 27	2 32	4 0	2 26	0 18	1 7	4 45	2 46	22 45	0 27	21 21	0 43	16 21	7 4	21 37	21 51	1 40	7 52	6 14	
F 29	13 10	10 57	2 44	4 33	2 6	25 35	2 35	3 55	2 21	0 22	1 7	4 43	2 46	22 45	0 27	21 21	0 43	16 20	7 4	21 37	21 50	1 43	7 53	6 14	
S 30	13 30	16 36	1 30	4 57	2 9	25 43	2 37	3 49	2 17	0 27	1 7	4 41	2 46	22 45	0 27	21 21	0 43	16 20	7 4	21 36	21 50	1 46	7 53	6 13	
S 31	13s50	21n 7	0s10	5s24	2n10	25s50	2s39	3s43	2s13	0s31	1n 7	4n40	2s46	22s45	0s27	21n21	0s43	16n20	7s 4	21n36	21n49	1s49	7s54	6n13	

ASTRODIENST EPHEMERIS for the year 1909
geocentric

NOVEMBER 1909

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 38 33	7♏55°50	20♏ 9	20♏ 9	22♏39	25♏50	4♏ 6	18°R21	17♏38	19°R19	26°R41	7♏42	9♏ 0	14♏32	23°R15	M 1
T 2	2 42 30	8°55'53	4♏ 2	21°30	23°47	25°56	4°18	18°Y17	17°39	19°♏19	26♏40	7°43	8°56	14°39	23°≈14	T 2
W 3	2 46 26	9°55'59	17°27	22°53	24°55	26° 3	4°29	18°13	17°41	19°19	26°39	7°45	8°53	14°46	23°D14	W 3
T 4	2 50 23	10°56'06	0♏27	24°20	26° 3	26°11	4°41	18° 9	17°43	19°18	26°39	7°46	8°50	14°53	23°14	T 4
F 5	2 54 20	11°56'16	13° 4	25°48	27°11	26°20	4°52	18° 4	17°45	19°18	26°38	7°R47	8°47	14°59	23°14	F 5
S 6	2 58 16	12°56'27	25°24	27°18	28°18	26°29	5° 4	18° 0	17°47	19°18	26°37	7°46	8°44	15° 6	23°15	S 6
S 7	3 2 13	13°56'41	7♏30	28°50	29°26	26°39	5°15	17°56	17°49	19°17	26°36	7°44	8°41	15°13	23°15	S 7
M 8	3 6 9	14°56'57	19°28	0♏23	0♏33	26°49	5°27	17°52	17°51	19°17	26°35	7°41	8°37	15°19	23°15	M 8
T 9	3 10 6	15°57'14	1♏20	1°57	1°40	27° 0	5°38	17°48	17°53	19°16	26°35	7°38	8°34	15°26	23°15	T 9
W10	3 14 2	16°57'34	13°10	3°31	2°47	27°12	5°49	17°44	17°55	19°15	26°34	7°34	8°31	15°33	23°16	W10
T 11	3 17 59	17°57'55	25° 1	5° 6	3°54	27°25	6° 1	17°41	17°57	19°15	26°33	7°31	8°28	15°39	23°16	T 11
F 12	3 21 55	18°58'18	6♏55	6°42	5° 1	27°38	6°12	17°37	17°59	19°14	26°32	7°28	8°25	15°46	23°17	F 12
S 13	3 25 52	19°58'43	18°55	8°17	6° 7	27°52	6°23	17°33	18° 2	19°14	26°31	7°26	8°22	15°53	23°17	S 13
S 14	3 29 49	20°59'10	1♏ 2	9°53	7°14	28° 6	6°34	17°30	18° 4	19°13	26°30	7°25	8°18	16° 0	23°18	S 14
M15	3 33 45	21°59'38	13°18	11°29	8°20	28°21	6°45	17°26	18° 6	19°12	26°29	7°D25	8°15	16° 6	23°19	M15
T 16	3 37 42	23° 0'08	25°44	13° 5	9°26	28°36	6°55	17°23	18° 9	19°11	26°28	7°26	8°12	16°13	23°19	T 16
W17	3 41 38	24° 0'39	8♏22	14°41	10°31	28°53	7° 6	17°19	18°11	19°11	26°27	7°27	8° 9	16°20	23°20	W17
T 18	3 45 35	25° 1'11	21°14	16°17	11°37	29° 9	7°17	17°16	18°13	19°10	26°26	7°28	8° 6	16°26	23°21	T 18
F 19	3 49 31	26° 1'45	4♏22	17°53	12°42	29°26	7°27	17°13	18°16	19° 9	26°25	7°29	8° 2	16°33	23°22	F 19
S 20	3 53 28	27° 2'20	17°48	19°29	13°47	29°44	7°38	17°10	18°18	19° 8	26°24	7°30	7°59	16°40	23°23	S 20
S 21	3 57 25	28° 2'57	1♏32	21° 5	14°52	0°Y 2	7°48	17° 7	18°21	19° 7	26°23	7°R30	7°56	16°46	23°24	S 21
M22	4 1 21	29° 3'34	15°37	22°40	15°56	0°21	7°59	17° 4	18°24	19° 6	26°22	7°29	7°53	16°53	23°25	M22
T 23	4 5 18	0♏4'12	29°59	24°16	17° 1	0°41	8° 9	17° 1	18°26	19° 5	26°21	7°29	7°50	17° 0	23°26	T 23
W24	4 9 14	1° 4'52	14°Y37	25°51	18° 5	1° 0	8°19	16°58	18°29	19° 4	26°20	7°28	7°47	17° 6	23°28	W24
T 25	4 13 11	2° 5'32	29°25	27°26	19° 8	1°21	8°29	16°56	18°32	19° 3	26°19	7°27	7°43	17°13	23°29	T 25
F 26	4 17 7	3° 6'14	14♏16	29° 1	20°12	1°41	8°39	16°53	18°34	19° 2	26°18	7°27	7°40	17°20	23°30	F 26
S 27	4 21 4	4° 6'57	29° 4	0♏36	21°15	2° 2	8°49	16°51	18°37	19° 1	26°17	7°27	7°37	17°27	23°32	S 27
S 28	4 25 0	5° 7'41	13♏40	2°10	22°18	2°24	8°58	16°48	18°40	19° 0	26°16	7°D27	7°34	17°33	23°33	S 28
M29	4 28 57	6° 8'27	27°59	3°45	23°20	2°46	9° 8	16°46	18°43	18°59	26°15	7°27	7°31	17°40	23°35	M29
T 30	4 32 54	7♏ 9'14	11♏55	5♏19	24♏22	3°Y 8	9♏17	16°Y44	18♏45	18♏58	26♏14	7°R27	7♏28	17♏47	23°≈36	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
M 1	14s10	24n13	1n 8	5s53	2n10	25s56	2s41	3s37	2s 9	0s36	1n 7	4n38	2s46	22s44	0s27	21n21	0s43	16n20	7s 5	21n36	21n49	1s52	7s54	6n13	
T 2	14 29	25 43	2 19	6 24	2 9	26 1	2 43	3 31	2 4	0 41	1 7	4 37	2 46	22 44	0 27	21 21	0 43	16 20	7 5	21 37	21 48	1 55	7 55	6 12	
W 3	14 48	25 38	3 21	6 56	2 7	26 6	2 45	3 25	2 0	0 45	1 7	4 35	2 46	22 44	0 27	21 21	0 43	16 20	7 5	21 37	21 48	1 58	7 55	6 12	
T 4	15 7	24 8	4 10	7 30	2 4	26 10	2 47	3 18	1 56	0 50	1 8	4 34	2 46	22 44	0 27	21 21	0 43	16 20	7 5	21 37	21 47	2 1	7 56	6 11	
F 5	15 26	21 28	4 46	8 5	2 1	26 14	2 48	3 11	1 52	0 54	1 8	4 32	2 46	22 43	0 27	21 21	0 43	16 20	7 5	21 37	21 47	2 4	7 56	6 11	
S 6	15 44	17 52	5 7	8 41	1 58	26 17	2 50	3 4	1 48	0 59	1 8	4 31	2 45	22 43	0 27	21 22	0 43	16 20	7 5	21 37	21 46	2 7	7 56	6 10	
S 7	16 2	13 37	5 14	9 18	1 54	26 19	2 52	2 56	1 45	1 3	1 8	4 30	2 45	22 43	0 27	21 22	0 43	16 20	7 5	21 37	21 46	2 10	7 57	6 10	
M 8	16 20	8 53	5 8	9 55	1 49	26 20	2 53	2 48	1 41	1 7	1 8	4 28	2 45	22 43	0 27	21 22	0 43	16 20	7 5	21 36	21 45	2 14	7 57	6 10	
T 9	16 37	3 53	4 48	10 32	1 44	26 21	2 54	2 40	1 37	1 12	1 8	4 27	2 45	22 42	0 27	21 22	0 43	16 20	7 5	21 36	21 45	2 17	7 57	6 9	
W10	16 55	1s16	4 16	11 9	1 39	26 21	2 55	2 32	1 33	1 16	1 8	4 26	2 45	22 42	0 27	21 22	0 43	16 19	7 5	21 35	21 44	2 20	7 58	6 9	
T 11	17 12	6 23	3 33	11 46	1 33	26 20	2 56	2 24	1 30	1 20	1 8	4 24	2 45	22 42	0 27	21 22	0 43	16 19	7 5	21 34	21 44	2 23	7 58	6 8	
F 12	17 28	11 18	2 41	12 23	1 27	26 19	2 57	2 16	1 26	1 25	1 9	4 23	2 45	22 41	0 27	21 22	0 43	16 19	7 5	21 34	21 43	2 26	7 58	6 8	
S 13	17 45	15 51	1 40	13 0	1 21	26 17	2 58	2 7	1 23	1 29	1 9	4 22	2 44	22 41	0 27	21 22	0 43	16 19	7 5	21 34	21 43	2 29	7 58	6 7	
S 14	18 1	19 48	0 35	13 36	1 15	26 14	2 59	1 58	1 19	1 33	1 9	4 21	2 44	22 41	0 27	21 22	0 43	16 19	7 5	21 34	21 42	2 32	7 59	6 7	
M15	18 17	22 57	0s33	14 12	1 8	26 10	2 59	1 49	1 16	1 37	1 9	4 19	2 44	22 40	0 27	21 22	0 43	16 19	7 5	21 34	21 42	2 35	7 59	6 7	
T 16	18 32	25 3	1 40	14 48	1 2	26 6	3 0	1 40	1 13	1 41	1 9	4 18	2 44	22 40	0 27	21 22	0 43	16 19	7 5	21 34	21 41	2 38	7 59	6 6	
W17	18 47	25 54	2 43	15 23	0 55	26 2	3 0	1 30	1 9	1 46	1 9	4 17	2 44	22 40	0 27	21 22	0 43	16 19	7 5	21 34	21 41	2 41	7 59	6 6	
T 18	19 2	25 23	3 40	15 57	0 48	25 56	3 0	1 21	1 6	1 50	1 10	4 16	2 43	22 39	0 27	21 23	0 43	16 19	7 6	21 34	21 40	2 44	7 59	6 5	
F 19	19 16	23 29	4 26	16 31	0 41	25 50	3 0	1 11	1 3	1 54	1 10	4 15	2 43	22 39	0 27	21 23	0 43	16 19	7 6	21 34	21 40	2 47	7 59	6 5	
S 20	19 30	20 14	4 59	17 4	0 34	25 43	3 0	1 1	1 0	1 58	1 10	4 14	2 43	22 39	0 27	21 23	0 43	16 19	7 6	21 34	21 39	2 50	7 59	6 4	
S 21	19 44	15 50	5 15	17 36	0 28	25 36	3 0	0 51	0 57	2 2	1 10	4 13	2 43	22 38	0 27	21 23	0 43	16 19	7 6	21 34	21 39	2 53	7 59	6 4	
M22	19 58	10 30	5 14	18 7	0 21	25 28	3 0	0 41	0 54	2 5	1 10	4 12	2 43	22 38	0 27	21 23	0 43	16 19	7 6	21 34	21 38	2 56	7 59	6 4	
T 23	20 11	4 29	4 53	18 37	0 14	25 20	2 59	0 31	0 51	2 9	1 10	4 11	2 42	22 38	0 27	21 23	0 43	16 19	7 6	21 34	21 38	2 59	7 59	6 3	
W24	20 23	1n52	4 13	19 7	0 7	25 11	2 58	0 20	0 48	2 13	1 10	4 10	2 42	22 37	0 27	21 23	0 43	16 19	7 6	21 34	21 37	3 2	7 59	6 3	
T 25	20 35	8 13	3 16	19 36	0 0	25 1	2 57	0 9	0 45	2 17	1 11	4 10	2 42	22 37	0 27	21 23	0 43	16 18	7 6	21 34	21 37	3 6	7 59	6 2	
F 26	20 47	14 8	2 5	20 3	0s 7	24 50	2 56	0n 1	0 42	2 21	1 11	4 9	2 42	22 37	0 27	21 23	0 43	16 18	7 6	21 34	21 36	3 9	7 59	6 2	
S 27	20 59	19 12	0 46	20 30	0 13	24 39	2 55	0 12	0 40	2 24	1 11	4 8	2 41	22 36	0 27	21 24	0 43	16 18	7 6	21 34	21 36	3 12	7 59	6 2	
S 28	21 10	23 1	0n35	20 56	0 20	24 28	2 54	0 23	0 37	2 28	1 11	4 7	2 41	22 36	0 27	21 24	0 43	16 18	7 6	21 34	21 35	3 15	7 59	6 1	
M29	21 21	25 18	1 52	21 21	0 27	24 16	2 53	0 34	0 34	2 32	1 11	4 7	2 41	22 35	0 27	21 24	0 43	16 18	7 6	21 34	21 34	3 18	7 59	6 1	
T 30	21s31	25n54	3n 0	21s45	0s33	24s 3	2s51	0n46	0s32	2s35	1n12	4n 6	2s41	22s35	0s27	21n24	0s43	16n18	7s 6	21n34	21n34	3s21	7s59	6n 0	

ASTRODIENST EPHEMERIS for the year 1909
geocentric

DECEMBER 1909

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 36 50	8♂10'03	25♂26	6♂54	25♂24	3♂31	9♂27	16°R42	18♂48	18°R57	26°R13	7°R27	7♂24	17♂53	23♂38	W 1
T 2	4 40 47	9°10'52	8♂23	8°28	26°26	3°54	9°36	16°Y40	18°51	18♂55	26♂11	7♂27	7°21	18° 0	23°40	T 2
F 3	4 44 43	10°11'44	21°16	10° 2	27°27	4°18	9°45	16°38	18°54	18°54	26°10	7°26	7°18	18° 7	23°41	F 3
S 4	4 48 40	11°12'36	3♂40	11°36	28°27	4°42	9°54	16°36	18°57	18°53	26° 9	7°26	7°15	18°13	23°43	S 4
S 5	4 52 36	12°13'30	15°49	13°11	29°28	5° 6	10° 3	16°35	19° 0	18°52	26° 8	7°D26	7°12	18°20	23°45	S 5
M 6	4 56 33	13°14'25	27°46	14°45	0♂27	5°31	10°12	16°33	19° 3	18°50	26° 7	7°26	7° 8	18°27	23°47	M 6
T 7	5 0 29	14°15'21	9♂38	16°19	1°27	5°56	10°21	16°32	19° 6	18°49	26° 6	7°27	7° 5	18°33	23°49	T 7
W 8	5 4 26	15°16'18	21°28	17°53	2°26	6°21	10°30	16°30	19° 9	18°48	26° 5	7°28	7° 2	18°40	23°51	W 8
T 9	5 8 23	16°17'17	3♂20	19°28	3°24	6°47	10°38	16°29	19°12	18°46	26° 3	7°29	6°59	18°47	23°53	T 9
F 10	5 12 19	17°18'17	15°19	21° 2	4°22	7°13	10°47	16°28	19°16	18°45	26° 2	7°30	6°56	18°54	23°55	F 10
S 11	5 16 16	18°19'18	27°26	22°36	5°20	7°39	10°55	16°27	19°19	18°43	26° 1	7°30	6°53	19° 0	23°58	S 11
S 12	5 20 12	19°20'20	9♂46	24°11	6°17	8° 6	11° 3	16°26	19°22	18°42	26° 0	7°R30	6°49	19° 7	24° 0	S 12
M13	5 24 9	20°21'22	22°18	25°45	7°13	8°33	11°11	16°25	19°25	18°41	25°59	7°30	6°46	19°14	24° 2	M13
T 14	5 28 5	21°22'26	5♂ 4	27°20	8° 9	9° 0	11°19	16°24	19°28	18°39	25°58	7°29	6°43	19°20	24° 5	T 14
W15	5 32 2	22°23'30	18° 5	28°55	9° 5	9°27	11°27	16°24	19°32	18°38	25°56	7°27	6°40	19°27	24° 7	W15
T 16	5 35 58	23°24'35	1♂18	0♂29	9°59	9°55	11°34	16°23	19°35	18°36	25°55	7°25	6°37	19°34	24°10	T 16
F 17	5 39 55	24°25'40	14°45	2° 4	10°53	10°23	11°42	16°23	19°38	18°35	25°54	7°22	6°34	19°40	24°12	F 17
S 18	5 43 52	25°26'45	28°24	3°39	11°47	10°51	11°49	16°23	19°41	18°33	25°53	7°20	6°30	19°47	24°15	S 18
S 19	5 47 48	26°27'51	12♂14	5°15	12°40	11°20	11°56	16°22	19°45	18°32	25°52	7°19	6°27	19°54	24°17	S 19
M20	5 51 45	27°28'57	26°14	6°50	13°32	11°49	12° 3	16°D22	19°48	18°30	25°50	7°D18	6°24	20° 0	24°20	M20
T 21	5 55 41	28°30'03	10°Y23	8°25	14°23	12°18	12°10	16°22	19°52	18°29	25°49	7°18	6°21	20° 7	24°23	T 21
W22	5 59 38	29°31'09	24°39	10° 0	15°13	12°47	12°17	16°23	19°55	18°27	25°48	7°20	6°18	20°14	24°25	W22
T 23	6 3 34	0♂32'16	9♂ 0	11°35	16° 3	13°17	12°24	16°23	19°58	18°25	25°47	7°21	6°14	20°20	24°28	T 23
F 24	6 7 31	1°33'22	23°23	13°11	16°52	13°47	12°30	16°23	20° 2	18°24	25°46	7°22	6°11	20°27	24°31	F 24
S 25	6 11 27	2°34'29	7♂43	14°46	17°40	14°17	12°36	16°24	20° 5	18°22	25°44	7°R23	6° 8	20°34	24°34	S 25
S 26	6 15 24	3°35'36	21°56	16°21	18°27	14°47	12°43	16°24	20° 9	18°21	25°43	7°22	6° 5	20°41	24°37	S 26
M27	6 19 21	4°36'44	5♂57	17°56	19°13	15°17	12°49	16°25	20°12	18°19	25°42	7°20	6° 2	20°47	24°40	M27
T 28	6 23 17	5°37'51	19°43	19°30	19°58	15°48	12°55	16°26	20°16	18°17	25°41	7°16	5°59	20°54	24°43	T 28
W29	6 27 14	6°38'59	3♂20	21° 4	20°42	16°18	13° 0	16°27	20°19	18°16	25°40	7°12	5°55	21° 1	24°46	W29
T 30	6 31 10	7°40'07	16°17	22°37	21°25	16°49	13° 6	16°28	20°22	18°14	25°39	7° 7	5°52	21° 7	24°49	T 30
F 31	6 35 7	8♂41'16	29♂ 3	24♂10	22♂ 7	17°Y20	13♂11	16°Y29	20♂26	18♂12	25♂38	7♂ 1	5♂49	21♂14	24♂52	F 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
W 1	21s41	24n56	3n56	22s 7	0s39	23s50	2s49	0n57	0s29	2s39	1n12	4n 6	2s41	22s35	0s27	21n24
T 2	21 50	22 36	4 38	22 29	0 46	23 37	2 47	1 8	0 27	2 42	1 12	4 5	2 40	22 34	0 27	21 24
F 3	21 59	19 14	5 5	22 49	0 52	23 23	2 45	1 20	0 25	2 46	1 12	4 5	2 40	22 34	0 27	21 25
S 4	22 8	15 5	5 17	23 8	0 58	23 8	2 42	1 32	0 22	2 49	1 12	4 4	2 40	22 33	0 27	21 25
S 5	22 16	10 25	5 14	23 27	1 4	22 53	2 40	1 43	0 20	2 52	1 12	4 4	2 40	22 33	0 27	21 25
M 6	22 24	5 26	4 58	23 44	1 9	22 37	2 37	1 55	0 18	2 56	1 13	4 3	2 39	22 32	0 27	21 25
T 7	22 31	0 18	4 29	23 59	1 15	22 21	2 34	2 7	0 15	2 59	1 13	4 3	2 39	22 32	0 27	21 25
W 8	22 38	4s50	3 49	24 14	1 20	22 5	2 31	2 19	0 13	3 2	1 13	4 3	2 39	22 32	0 27	21 25
T 9	22 45	9 50	2 58	24 27	1 25	21 48	2 28	2 31	0 11	3 5	1 13	4 3	2 39	22 31	0 27	21 26
F 10	22 51	14 31	2 0	24 39	1 30	21 31	2 24	2 44	0 9	3 8	1 13	4 2	2 38	22 31	0 27	21 26
S 11	22 56	18 42	0 56	24 49	1 35	21 13	2 21	2 56	0 7	3 11	1 14	4 2	2 38	22 30	0 27	21 26
S 12	23 1	22 8	0s13	24 59	1 39	20 55	2 17	3 8	0 5	3 14	1 14	4 2	2 38	22 30	0 27	21 26
M13	23 6	24 35	1 21	25 7	1 44	20 37	2 13	3 21	0 3	3 17	1 14	4 2	2 37	22 29	0 27	21 26
T 14	23 10	25 48	2 27	25 13	1 48	20 18	2 8	3 33	0 1	3 20	1 14	4 2	2 37	22 29	0 27	21 27
W15	23 14	25 38	3 26	25 18	1 52	19 59	2 4	3 46	0n 1	3 23	1 14	4 2	2 37	22 28	0 27	21 27
T 16	23 17	24 2	4 15	25 22	1 55	19 40	1 59	3 58	0 3	3 26	1 15	4 2	2 37	22 28	0 27	21 27
F 17	23 20	21 3	4 51	25 24	1 58	19 20	1 54	4 11	0 5	3 29	1 15	4 2	2 36	22 27	0 27	21 27
S 18	23 22	16 54	5 12	25 25	2 1	19 0	1 49	4 24	0 6	3 31	1 15	4 2	2 36	22 27	0 27	21 27
S 19	23 24	11 49	5 14	25 25	2 4	18 40	1 43	4 37	0 8	3 34	1 15	4 3	2 36	22 26	0 27	21 28
M20	23 26	6 4	4 58	25 23	2 6	18 20	1 38	4 49	0 10	3 36	1 16	4 3	2 36	22 26	0 27	21 28
T 21	23 27	0n 3	4 25	25 19	2 8	17 59	1 32	5 2	0 11	3 39	1 16	4 3	2 35	22 25	0 27	21 28
W22	23 27	6 14	3 34	25 14	2 10	17 39	1 26	5 15	0 13	3 41	1 16	4 3	2 35	22 25	0 27	21 28
T 23	23 27	12 8	2 30	25 7	2 11	17 18	1 19	5 28	0 15	3 44	1 16	4 4	2 35	22 24	0 27	21 28
F 24	23 27	17 24	1 16	24 59	2 12	16 57	1 13	5 41	0 16	3 46	1 17	4 4	2 34	22 24	0 27	21 29
S 25	23 26	21 38	0n 2	24 49	2 12	16 35	1 6	5 54	0 18	3 48	1 17	4 5	2 34	22 23	0 27	21 29
S 26	23 24	24 31	1 19	24 38	2 12	16 14	0 59	6 7	0 19	3 51	1 17	4 5	2 34	22 23	0 27	21 29
M27	23 22	25 49	2 30	24 25	2 11	15 53	0 51	6 21	0 21	3 53	1 17	4 6	2 34	22 22	0 27	21 29
T 28	23 20	25 29	3 32	24 10	2 10	15 31	0 44	6 34	0 22	3 55	1 17	4 6	2 33	22 22	0 27	21 30
W29	23 17	23 40	4 19	23 55	2 8	15 10	0 36	6 47	0 24	3 57	1 18	4 7	2 33	22 21	0 27	21 30
T 30	23 14	20 36	4 52	23 37	2 6	14 48	0 27	7 0	0 25	3 59	1 18	4 8	2 33	22 21	0 27	21 30
F 31	23s10	16n38	5n 9	23s18	2s 3	14s27	0s19	7n13	0n26	4s 1	1n18	4n 8	2s33	22s20	0s27	21n30

Julian Day Number = 2418641.5, Delta T = 11.03 sec
Ecliptic obliquity = 23°27'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°28'56, Lahiri = 22°35'56