



Astrodienst Ephemeris Tables for the year 1809

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 1809
geocentric

JANUARY 1809

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 40 54	10 ³ 14'30	29 ^{II} 54	29 [♂] 21	17 [♂] 7	11 [♂] 11	13 [♂] 29	29 [♂] 54	8 [♂] 50	5 [♂] 40	12 [♂] 45	10 [♂] 42	9 [♂] 11	21 [♂] 36	8 [♂] 28	S 1
M 2	6 44 51	11 [°] 15'39	12 [♂] 14	0 [♂] 54	18 [°] 20	11 [°] 37	13 [°] 39	29 [°] 59	8 [°] 53	5 [°] 42	12 [°] 46	10 [°] 32	9 [°] 8	21 [°] 42	8 [°] 32	M 2
T 3	6 48 47	12 [°] 16'48	24 [°] 46	2 [°] 27	19 [°] 33	12 [°] 4	13 [°] 50	0 [♂] 5	8 [°] 55	5 [°] 44	12 [°] 47	10 [°] 20	9 [°] 5	21 [°] 49	8 [°] 37	T 3
W 4	6 52 44	13 [°] 17'57	7 [♂] 31	4 [°] 0	20 [°] 45	12 [°] 30	14 [°] 0	0 [°] 11	8 [°] 57	5 [°] 46	12 [°] 47	10 [°] 8	9 [°] 2	21 [°] 56	8 [°] 41	W 4
T 5	6 56 41	14 [°] 19'05	20 [°] 27	5 [°] 34	21 [°] 58	12 [°] 56	14 [°] 10	0 [°] 17	8 [°] 59	5 [°] 48	12 [°] 48	9 [°] 57	8 [°] 59	22 [°] 2	8 [°] 45	T 5
F 6	7 0 37	15 [°] 20'14	3 [♂] 34	7 [°] 8	23 [°] 11	13 [°] 21	14 [°] 21	0 [°] 23	9 [°] 1	5 [°] 50	12 [°] 49	9 [°] 48	8 [°] 55	22 [°] 9	8 [°] 50	F 6
S 7	7 4 34	16 [°] 21'22	16 [°] 54	8 [°] 42	24 [°] 23	13 [°] 47	14 [°] 32	0 [°] 29	9 [°] 3	5 [°] 52	12 [°] 50	9 [°] 42	8 [°] 52	22 [°] 16	8 [°] 54	S 7
S 8	7 8 30	17 [°] 22'31	0 [♂] 24	10 [°] 17	25 [°] 36	14 [°] 12	14 [°] 43	0 [°] 34	9 [°] 5	5 [°] 53	12 [°] 51	9 [°] 38	8 [°] 49	22 [°] 22	8 [°] 59	S 8
M 9	7 12 27	18 [°] 23'39	14 [°] 8	11 [°] 52	26 [°] 48	14 [°] 37	14 [°] 54	0 [°] 40	9 [°] 7	5 [°] 55	12 [°] 52	9 [°] D37	8 [°] 46	22 [°] 29	9 [°] 3	M 9
T 10	7 16 23	19 [°] 24'48	28 [°] 4	13 [°] 28	28 [°] 1	15 [°] 2	15 [°] 5	0 [°] 45	9 [°] 9	5 [°] 57	12 [°] 53	9 [°] 37	8 [°] 43	22 [°] 35	9 [°] 8	T 10
W 11	7 20 20	20 [°] 25'57	12 [♂] 13	15 [°] 4	29 [°] 13	15 [°] 26	15 [°] 16	0 [°] 51	9 [°] 11	5 [°] 59	12 [°] 54	9 [°] R37	8 [°] 40	22 [°] 42	9 [°] 12	W 11
T 12	7 24 16	21 [°] 27'05	26 [°] 34	16 [°] 41	0 [♂] 25	15 [°] 50	15 [°] 27	0 [°] 56	9 [°] 12	6 [°] 1	12 [°] 55	9 [°] 36	8 [°] 36	22 [°] 49	9 [°] 17	T 12
F 13	7 28 13	22 [°] 28'14	11 [♂] 6	18 [°] 18	1 [°] 37	16 [°] 14	15 [°] 38	1 [°] 2	9 [°] 14	6 [°] 2	12 [°] 57	9 [°] 33	8 [°] 33	22 [°] 55	9 [°] 21	F 13
S 14	7 32 10	23 [°] 29'22	25 [°] 43	19 [°] 56	2 [°] 50	16 [°] 38	15 [°] 50	1 [°] 7	9 [°] 16	6 [°] 4	12 [°] 58	9 [°] 27	8 [°] 30	23 [°] 2	9 [°] 26	S 14
S 15	7 36 6	24 [°] 30'30	10 [♂] 19	21 [°] 34	4 [°] 2	17 [°] 1	16 [°] 1	1 [°] 12	9 [°] 17	6 [°] 6	12 [°] 59	9 [°] 18	8 [°] 27	23 [°] 9	9 [°] 31	S 15
M 16	7 40 3	25 [°] 31'37	24 [°] 48	23 [°] 13	5 [°] 14	17 [°] 24	16 [°] 13	1 [°] 17	9 [°] 19	6 [°] 7	13 [°] 0	9 [°] 6	8 [°] 24	23 [°] 15	9 [°] 35	M 16
T 17	7 43 59	26 [°] 32'44	9 [♂] 1	24 [°] 52	6 [°] 25	17 [°] 46	16 [°] 25	1 [°] 22	9 [°] 20	6 [°] 9	13 [°] 1	8 [°] 54	8 [°] 21	23 [°] 22	9 [°] 40	T 17
W 18	7 47 56	27 [°] 33'50	22 [°] 54	26 [°] 32	7 [°] 37	18 [°] 9	16 [°] 37	1 [°] 27	9 [°] 22	6 [°] 10	13 [°] 2	8 [°] 42	8 [°] 17	23 [°] 29	9 [°] 44	W 18
T 19	7 51 52	28 [°] 34'55	6 [♂] 23	28 [°] 12	8 [°] 49	18 [°] 31	16 [°] 49	1 [°] 32	9 [°] 23	6 [°] 12	13 [°] 3	8 [°] 31	8 [°] 14	23 [°] 35	9 [°] 49	T 19
F 20	7 55 49	29 [°] 35'59	19 [°] 27	29 [°] 53	10 [°] 0	18 [°] 53	17 [°] 1	1 [°] 37	9 [°] 25	6 [°] 14	13 [°] 5	8 [°] 23	8 [°] 11	23 [°] 42	9 [°] 54	F 20
S 21	7 59 45	0 [♂] 37'02	2 [♂] 7	1 [♂] 35	11 [°] 12	19 [°] 14	17 [°] 13	1 [°] 42	9 [°] 26	6 [°] 15	13 [°] 6	8 [°] 17	8 [°] 8	23 [°] 49	9 [°] 58	S 21
S 22	8 3 42	1 [°] 38'05	14 [°] 26	3 [°] 17	12 [°] 23	19 [°] 35	17 [°] 25	1 [°] 47	9 [°] 27	6 [°] 16	13 [°] 7	8 [°] 15	8 [°] 5	23 [°] 55	10 [°] 3	S 22
M 23	8 7 39	2 [°] 39'06	26 [°] 29	5 [°] 0	13 [°] 34	19 [°] 56	17 [°] 37	1 [°] 51	9 [°] 28	6 [°] 18	13 [°] 8	8 [°] 14	8 [°] 1	24 [°] 2	10 [°] 8	M 23
T 24	8 11 35	3 [°] 40'06	8 [♂] 22	6 [°] 43	14 [°] 46	20 [°] 16	17 [°] 50	1 [°] 56	9 [°] 29	6 [°] 19	13 [°] 10	8 [°] 14	7 [°] 58	24 [°] 9	10 [°] 12	T 24
W 25	8 15 32	4 [°] 41'05	20 [°] 10	8 [°] 27	15 [°] 57	20 [°] 36	18 [°] 2	2 [°] 0	9 [°] 31	6 [°] 21	13 [°] 11	8 [°] 13	7 [°] 55	24 [°] 15	10 [°] 17	W 25
T 26	8 19 28	5 [°] 42'03	1 [♂] 58	10 [°] 12	17 [°] 7	20 [°] 56	18 [°] 15	2 [°] 5	9 [°] 32	6 [°] 22	13 [°] 12	8 [°] 11	7 [°] 52	24 [°] 22	10 [°] 22	T 26
F 27	8 23 25	6 [°] 43'00	13 [°] 51	11 [°] 57	18 [°] 18	21 [°] 15	18 [°] 27	2 [°] 9	9 [°] 32	6 [°] 24	13 [°] 14	8 [°] 7	7 [°] 49	24 [°] 29	10 [°] 27	F 27
S 28	8 27 21	7 [°] 43'55	25 [°] 55	13 [°] 42	19 [°] 29	21 [°] 34	18 [°] 40	2 [°] 13	9 [°] 33	6 [°] 25	13 [°] 15	8 [°] 1	7 [°] 46	24 [°] 35	10 [°] 31	S 28
S 29	8 31 18	8 [°] 44'50	8 [♂] 13	15 [°] 28	20 [°] 39	21 [°] 52	18 [°] 53	2 [°] 17	9 [°] 34	6 [°] 26	13 [°] 16	7 [°] 51	7 [°] 42	24 [°] 42	10 [°] 36	S 29
M 30	8 35 14	9 [°] 45'43	20 [°] 45	17 [°] 14	21 [°] 50	22 [°] 10	19 [°] 5	2 [°] 22	9 [°] 35	6 [°] 27	13 [°] 18	7 [°] 39	7 [°] 39	24 [°] 48	10 [°] 41	M 30
T 31	8 39 11	10 [°] 46'35	3 [♂] 35	19 [°] 0	23 [°] 0	22 [°] 28	19 [°] 18	2 [°] 26	9 [°] 36	6 [°] 29	13 [°] 19	7 [°] 36	7 [°] 36	24 [°] 55	10 [°] 45	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
S 1	23s 4	19n37	3s51	24s15	0s48	17s27	1s49	2s26	2n10	7s35	1s11	18s16	1n55	14s 2	0n27	19s43	1n35	19s53	14s14	15s 3	14s34	17n 7	11s55	6n28			
M 2	22 59	18 27	4 28	24 21	0 54	17 4	1 48	2 36	2 11	7 31	1 11	18 17	1 55	14 3	0 27	19 43	1 35	19 52	14 14	15 0	14 33	17 7	11 54	6 28			
T 3	22 54	16 24	4 52	24 26	1 0	16 40	1 47	2 45	2 11	7 27	1 11	18 18	1 56	14 3	0 27	19 44	1 35	19 52	14 14	14 56	14 32	17 8	11 53	6 27			
W 4	22 48	13 31	5 3	24 30	1 6	16 16	1 46	2 55	2 12	7 23	1 11	18 19	1 56	14 4	0 27	19 44	1 35	19 51	14 14	14 52	14 31	17 9	11 52	6 27			
T 5	22 42	9 58	4 58	24 32	1 11	15 51	1 45	3 4	2 13	7 19	1 10	18 21	1 56	14 5	0 27	19 44	1 35	19 51	14 13	14 49	14 30	17 10	11 51	6 27			
F 6	22 35	5 53	4 38	24 33	1 16	15 26	1 43	3 14	2 13	7 15	1 10	18 22	1 56	14 5	0 27	19 45	1 35	19 50	14 13	14 46	14 29	17 11	11 50	6 27			
S 7	22 28	1 28	4 2	24 32	1 22	15 0	1 42	3 23	2 14	7 10	1 10	18 23	1 56	14 6	0 27	19 45	1 35	19 49	14 13	14 44	14 28	17 12	11 50	6 27			
S 8	22 20	3s 6	3 13	24 30	1 27	14 34	1 40	3 32	2 15	7 6	1 10	18 24	1 56	14 6	0 27	19 45	1 35	19 49	14 13	14 43	14 27	17 13	11 49	6 26			
M 9	22 12	7 36	2 11	24 27	1 31	14 8	1 38	3 41	2 15	7 2	1 10	18 25	1 56	14 7	0 27	19 45	1 35	19 48	14 12	14 42	14 26	17 14	11 48	6 26			
T 10	22 3	11 45	1 1	24 22	1 36	13 41	1 37	3 50	2 16	6 57	1 10	18 26	1 56	14 8	0 27	19 46	1 35	19 48	14 12	14 42	14 25	17 14	11 47	6 26			
W 11	21 54	15 18	0n14	24 16	1 40	13 14	1 35	3 59	2 17	6 53	1 10	18 27	1 56	14 8	0 27	19 46	1 35	19 47	14 12	14 43	14 24	17 15	11 46	6 26			
T 12	21 45	17 58	1 29	24 8	1 44	12 47	1 33	4 7	2 17	6 48	1 9	18 28	1 56	14 9	0 27	19 46	1 35	19 46	14 12	14 42	14 23	17 16	11 45	6 26			
F 13	21 35	19 30	2 39	23 59	1 47	12 19	1 31	4 16	2 18	6 44	1 9	18 29	1 56	14 9	0 27	19 46	1 35	19 46	14 11	14 41	14 22	17 17	11 44	6 26			
S 14	21 25	19 45	3 39	23 48	1 51	11 51	1 28	4 24	2 19	6 39	1 9	18 30	1 57	14 10	0 27	19 47	1 35	19 45	14 11	14 39	14 21	17 18	11 43	6 25			
S 15	21 14	18 40	4 24	23 36	1 54	11 23	1 26	4 33	2 19	6 35	1 9	18 31	1 57	14 10	0 27	19 47	1 35	19 44	14 11	14 36	14 20	17 19	11 41	6 25			
M 16	21 3	16 24	4 52	23 22	1 56	10 54	1 24	4 41	2 20	6 30	1 9	18 32	1 57	14 11	0 27	19 47	1 35	19 44	14 11	14 33	14 19	17 19	11 40	6 25			
T 17	20 52	13 10	5 1	23 7	1 59	10 25	1 21	4 49	2 21	6 25	1 9	18 33	1 57	14 11	0 27	19 47	1 35	19 43	14 11	14 29	14 18	17 20	11 39	6 25			
W 18	20 40	9 17	4 52	22 50	2 1	9 56	1 19	4 57	2 22	6 21	1 9	18 34	1 57	14 12	0 27	19 48	1 35	19 42	14 10	14 25	14 17	17 21	11 38	6 25			
T 19	20 28	5 2	4 27	22 32	2 2	9 27	1 16	5 4	2 22	6 16	1 8	18 35	1 57	14 12	0 27	19 48	1 35	19 42	14 10	14 21	14 16	17 22	11 37	6 25			
F 20	20 15	0 41	3 48	22 12	2 3	8 58	1 14	5 12	2 23	6 11	1 8	18 35	1 57	14 12	0 27	19 48	1 35	19 41	14 10	14 19	14 15	17 23	11 36	6 25			
S 21	20 2	3n35	2 59	21 51	2 4	8 28	1 11	5 19	2 24	6 6	1 8	18 36	1 57	14 13	0 27	19 48	1 35	19 40	14 10	14 17	14 14	17 24	11 35	6 25			
S 22	19 49	7 35	2 3	21 28	2 5	7 58	1 8	5 27	2 24	6 1	1 8	18 37	1 58	14 13	0 28	19 49	1 35	19 40	14 10	14 16	14 13	17 24	11 34	6 25			
M 23	19 35	11 11	1 2	21 3	2 5	7 28	1 5	5 34	2 25	5 56	1 8	18 38	1 58	14 14	0 28	19 49	1 35	19 39	14 9	14 16	14 12	17 25	11 33	6 24			
T 24	19 21	14 18	0s 1	20 37	2 5	6 58	1 2	5 41	2 26	5 51	1 8	18 39	1 58	14 14	0 28	19 49	1 36	19 38	14 9	14 16	14 11	17 26	11 32	6 24			
W 25	19 7	16 47	1 3	20 9	2 4	6 27	0 59	5 48	2 26	5 46	1 8	18 39	1 58	14 14	0 28	19 49	1 36	19 38	14 9	14 16	14 10	17 27	11 30	6 24			
T 26	18 52	18 35	2 2	19 40	2 2	5 57	0 56	5 54	2 27	5 41	1 8	18 40	1 58	14 15	0 28	19 49	1 36	19 37	14 9	14 15	14 9	17 28	11 29	6 24			
F 27	18 37	19 34	2 57	19 9	2 1	5 26	0 52	6 1	2 28	5 36	1 8	18 41	1 58	14 15	0 28	19 50	1 36	19 36	14 9	14 14	14 8	17 28	11 28	6 24			
S 28	18 21	19 40	3 44	18 37	1 58	4 55	0 49	6 7	2 28	5 31	1 7	18 42	1 58	14 15	0 28	19 50	1 36	19 36	14 8	14 12	14 7	17 29	11 27	6 24			
S 29	18 5	18 51	4 22	18 3	1 55	4 24	0 45	6 13	2 29	5 26	1 7	18 42	1 58	14 15	0 28	19 50	1 36	19 35	14 8	14 8	14 6	17 30	11 26	6 24			
M 30	17 49	17 7	4 47	17 28	1 52	3 53	0 42	6 19	2 30	5 21	1 7	18 43	1 59	14 16	0 28	19 50	1 36	19 34	14 8	14 5	14 5	17 31	11 24	6 24			
T 31	17s33	14n31	4s59	16s51	1s48	3s22	0s38	6s25	2n30	5s16	1s 7	18s44	1n59	14s16	0n28	19s50	1n36	19s34	14s 8	14s 0	14s 4	17n31	11s23	6n24			

ASTRODIENST EPHEMERIS for the year 1809

geocentric

FEBRUARY 1809

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 43 8	11°47'26	16°40	20°47	24°10	22°45	19°31	2°29	9°36	6°30	13°20	7°12	7°33	25°2	10°50	W 1
T 2	8 47 4	12°48'15	29°59	22°34	25°20	23°2	19°44	2°33	9°37	6°31	13°22	6°59	7°30	25°8	10°55	T 2
F 3	8 51 1	13°49'04	13°32	24°20	26°30	23°18	19°57	2°37	9°38	6°32	13°23	6°48	7°27	25°15	10°59	F 3
S 4	8 54 57	14°49'51	27°13	26°6	27°40	23°34	20°11	2°41	9°38	6°33	13°25	6°41	7°23	25°22	11°4	S 4
S 5	8 58 54	15°50'38	11°2	27°52	28°49	23°49	20°24	2°44	9°39	6°34	13°26	6°36	7°20	25°28	11°9	S 5
M 6	9 2 50	16°51'23	24°56	29°37	29°59	24°4	20°37	2°48	9°39	6°35	13°27	6°34	7°17	25°35	11°14	M 6
T 7	9 6 47	17°52'08	8°55	1°21	1°8	24°19	20°50	2°51	9°39	6°36	13°29	6°34	7°14	25°42	11°18	T 7
W 8	9 10 43	18°52'51	22°59	3°3	2°17	24°33	21°4	2°55	9°40	6°37	13°30	6°33	7°11	25°48	11°23	W 8
T 9	9 14 40	19°53'34	7°7	4°44	3°26	24°46	21°17	2°58	9°40	6°38	13°32	6°33	7°7	25°55	11°28	T 9
F 10	9 18 37	20°54'15	21°17	6°23	4°35	24°59	21°31	3°1	9°40	6°39	13°33	6°30	7°4	26°2	11°32	F 10
S 11	9 22 33	21°54'56	5°28	7°59	5°43	25°12	21°44	3°4	9°40	6°40	13°35	6°24	7°1	26°8	11°37	S 11
S 12	9 26 30	22°55'35	19°36	9°31	6°52	25°24	21°58	3°7	9°40	6°41	13°36	6°15	6°58	26°15	11°41	S 12
M13	9 30 26	23°56'13	3°38	11°0	8°0	25°35	22°12	3°10	9°40	6°42	13°38	6°4	6°55	26°22	11°46	M13
T 14	9 34 23	24°56'49	17°28	12°24	9°8	25°46	22°25	3°13	9°40	6°43	13°39	5°52	6°52	26°28	11°51	T 14
W15	9 38 19	25°57'24	1°3	13°43	10°16	25°56	22°39	3°15	9°40	6°43	13°41	5°40	6°48	26°35	11°55	W15
T 16	9 42 16	26°57'58	14°19	14°56	11°24	26°6	22°53	3°18	9°40	6°44	13°42	5°30	6°45	26°42	12°0	T 16
F 17	9 46 12	27°58'29	27°16	16°3	12°31	26°15	23°7	3°21	9°40	6°45	13°44	5°21	6°42	26°48	12°4	F 17
S 18	9 50 9	28°58'59	9°52	17°3	13°38	26°23	23°21	3°23	9°40	6°46	13°45	5°16	6°39	26°55	12°9	S 18
S 19	9 54 6	29°59'28	22°10	17°54	14°45	26°31	23°35	3°25	9°39	6°46	13°47	5°13	6°36	27°2	12°14	S 19
M20	9 58 2	0°59'54	4°14	18°38	15°52	26°38	23°49	3°27	9°39	6°47	13°49	5°12	6°33	27°8	12°18	M20
T 21	10 1 59	2°0'18	16°8	19°12	16°59	26°45	24°3	3°30	9°39	6°47	13°50	5°12	6°29	27°15	12°23	T 21
W22	10 5 55	3°0'41	27°57	19°37	18°5	26°51	24°17	3°32	9°38	6°48	13°52	5°13	6°26	27°21	12°27	W22
T 23	10 9 52	4°1'02	9°46	19°53	19°11	26°56	24°31	3°33	9°38	6°48	13°53	5°13	6°23	27°28	12°31	T 23
F 24	10 13 48	5°1'20	21°41	19°58	20°17	27°1	24°45	3°35	9°37	6°49	13°55	5°11	6°20	27°35	12°36	F 24
S 25	10 17 45	6°1'37	3°46	19°54	21°23	27°5	24°59	3°37	9°36	6°49	13°56	5°7	6°17	27°41	12°40	S 25
S 26	10 21 41	7°1'52	16°7	19°40	22°28	27°8	25°13	3°39	9°36	6°50	13°58	5°1	6°13	27°48	12°45	S 26
M27	10 25 38	8°2'05	28°47	19°17	23°33	27°11	25°27	3°40	9°35	6°50	14°0	4°53	6°10	27°55	12°49	M27
T 28	10 29 35	9°2'15	11°48	18°46	24°38	27°13	25°42	3°42	9°34	6°50	14°1	4°43	6°7	28°1	12°53	T 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	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	17s16	11n 9	4s56	16s13	1s43	2s51	0s35	6s31	2n31	5s11	1 s 7	18s44	1n59	14s16	0n28	19s50	1n36	19s33	14s 8	13s56	14s 3	17n32	11s22	6n24	
T 2	16 59	7 10	4 37	15 33	1 38	2 20	0 31	6 37	2 32	5 6	1 7	18 45	1 59	14 16	0 28	19 51	1 36	19 32	14 8	13 51	14 2	17 33	11 21	6 24	
F 3	16 42	2 46	4 2	14 52	1 32	1 48	0 27	6 42	2 32	5 0	1 7	18 45	1 59	14 16	0 28	19 51	1 36	19 32	14 8	13 48	14 0	17 34	11 20	6 24	
S 4	16 24	1s50	3 12	14 10	1 25	1 17	0 23	6 47	2 33	4 55	1 7	18 46	1 59	14 16	0 28	19 51	1 36	19 31	14 7	13 45	13 59	17 35	11 18	6 24	
S 5	16 6	6 22	2 11	13 27	1 18	0 46	0 19	6 52	2 34	4 50	1 7	18 47	1 59	14 17	0 28	19 51	1 36	19 30	14 7	13 44	13 58	17 35	11 17	6 24	
M 6	15 48	10 37	1 1	12 43	1 10	0 14	0 15	6 57	2 34	4 45	1 7	18 47	2 0	14 17	0 28	19 51	1 36	19 30	14 7	13 43	13 57	17 36	11 16	6 24	
T 7	15 29	14 17	0n13	11 58	1 1	0n17	0 11	7 2	2 35	4 39	1 7	18 48	2 0	14 17	0 28	19 51	1 36	19 29	14 7	13 43	13 56	17 37	11 15	6 24	
W 8	15 11	17 9	1 26	11 12	0 52	0 49	0 7	7 6	2 36	4 34	1 6	18 48	2 0	14 17	0 28	19 51	1 36	19 28	14 7	13 43	13 55	17 38	11 13	6 24	
T 9	14 52	18 59	2 34	10 26	0 42	1 20	0 2	7 11	2 36	4 28	1 6	18 49	2 0	14 17	0 28	19 51	1 36	19 28	14 7	13 43	13 54	17 38	11 12	6 24	
F 10	14 32	19 37	3 33	9 39	0 31	1 51	0n 2	7 15	2 37	4 23	1 6	18 49	2 0	14 17	0 28	19 52	1 36	19 27	14 7	13 42	13 53	17 39	11 11	6 24	
S 11	14 13	19 2	4 19	8 53	0 19	2 23	0 7	7 19	2 38	4 18	1 6	18 49	2 0	14 17	0 28	19 52	1 36	19 26	14 7	13 40	13 52	17 40	11 9	6 24	
S 12	13 53	17 15	4 49	8 7	0 7	2 54	0 11	7 22	2 38	4 12	1 6	18 50	2 0	14 17	0 28	19 52	1 36	19 26	14 7	13 37	13 51	17 41	11 8	6 24	
M13	13 33	14 28	5 1	7 21	0n 6	3 25	0 16	7 26	2 39	4 7	1 6	18 50	2 1	14 17	0 28	19 52	1 36	19 25	14 6	13 33	13 50	17 41	11 7	6 24	
T 14	13 13	10 55	4 56	6 37	0 20	3 56	0 20	7 29	2 39	4 1	1 6	18 51	2 1	14 17	0 28	19 52	1 36	19 24	14 6	13 29	13 49	17 42	11 6	6 24	
W15	12 53	6 51	4 33	5 53	0 34	4 27	0 25	7 32	2 40	3 56	1 6	18 51	2 1	14 17	0 28	19 52	1 36	19 24	14 6	13 26	13 48	17 43	11 4	6 24	
T 16	12 32	2 33	3 56	5 11	0 49	4 58	0 29	7 35	2 41	3 50	1 6	18 51	2 1	14 17	0 28	19 52	1 37	19 23	14 6	13 22	13 47	17 43	11 3	6 25	
F 17	12 11	1n47	3 8	4 32	1 4	5 29	0 34	7 38	2 41	3 45	1 6	18 52	2 1	14 17	0 28	19 52	1 37	19 22	14 6	13 19	13 46	17 44	11 2	6 25	
S 18	11 50	5 55	2 11	3 55	1 19	5 59	0 39	7 41	2 42	3 39	1 6	18 52	2 1	14 17	0 28	19 52	1 37	19 22	14 6	13 17	13 45	17 45	11 0	6 25	
S 19	11 29	9 43	1 9	3 20	1 34	6 30	0 44	7 43	2 42	3 34	1 6	18 52	2 1	14 17	0 28	19 52	1 37	19 21	14 6	13 16	13 44	17 46	10 59	6 25	
M20	11 8	13 1	0 5	2 49	1 49	7 0	0 49	7 45	2 43	3 28	1 6	18 52	2 2	14 17	0 28	19 52	1 37	19 20	14 6	13 16	13 43	17 46	10 58	6 25	
T 21	10 46	15 45	0s58	2 22	2 5	7 30	0 54	7 47	2 43	3 22	1 6	18 53	2 2	14 16	0 28	19 52	1 37	19 20	14 6	13 16	13 42	17 47	10 56	6 25	
W22	10 25	17 48	1 59	1 59	2 19	8 0	0 59	7 49	2 44	3 17	1 6	18 53	2 2	14 16	0 28	19 52	1 37	19 19	14 6	13 16	13 41	17 48	10 55	6 25	
T 23	10 3	19 4	2 54	1 40	2 33	8 30	1 4	7 50	2 44	3 11	1 6	18 53	2 2	14 16	0 28	19 52	1 37	19 18	14 6	13 16	13 40	17 48	10 54	6 25	
F 24	9 41	19 30	3 42	1 25	2 47	9 0	1 9	7 51	2 45	3 5	1 6	18 53	2 2	14 16	0 28	19 53	1 37	19 18	14 6	13 16	13 39	17 49	10 52	6 25	
S 25	9 19	19 3	4 21	1 15	2 59	9 29	1 14	7 52	2 45	3 0	1 5	18 54	2 2	14 16	0 28	19 53	1 37	19 17	14 6	13 14	13 38	17 50	10 51	6 26	
S 26	8 56	17 42	4 49	1 10	3 10	9 58	1 19	7 53	2 46	2 54	1 5	18 54	2 3	14 15	0 28	19 53	1 37	19 16	14 6	13 12	13 36	17 50	10 50	6 26	
M27	8 34	15 28	5 4	1 10	3 20	10 27	1 24	7 54	2 46	2 48	1 5	18 54	2 3	14 15	0 28	19 53	1 37	19 16	14 6	13 10	13 35	17 51	10 48	6 26	
T 28	8s11	12n25	5s 3	1s15	3n28	10n56	1n29	7s54	2n47	2s43	1s 5	18s54	2n 3	14s15	0n28	19s53	1n37	19s15	14s 6	13s 6	13s34	17n52	10s47	6n26	

Julian Day Number = 2381814.5, Delta T = 15.20 sec
 Ecliptic obliquity = 23°27'43, Nutation = 0°00'12, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°04'29, Lahiri = 21°11'29

ASTRODIENST EPHEMERIS for the year 1809
geocentric

MARCH 1809

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	10 33 31	10° 2'24	25° 9	18°R 6	25°Y42	27° 14	25° 56	3° 43	9°R33	6° 51	14° 3	4°R33	6° 4	28° 8	12° 58	W 1
T 2	10 37 28	11° 2'31	8° 49	17° 20	26° 46	27°R14	26° 10	3° 44	9° 33	6° 51	14° 4	4° 24	6° 1	28° 15	13° 2	T 2
F 3	10 41 24	12° 2'36	22° 46	16° 29	27° 50	27° 14	26° 24	3° 45	9° 32	6° 51	14° 6	4° 17	5° 58	28° 21	13° 6	F 3
S 4	10 45 21	13° 2'39	6° 54	15° 33	28° 54	27° 13	26° 39	3° 46	9° 31	6° 51	14° 8	4° 11	5° 54	28° 28	13° 10	S 4
S 5	10 49 17	14° 2'40	21° 9	14° 34	29° 57	27° 11	26° 53	3° 47	9° 30	6° 51	14° 9	4° 8	5° 51	28° 35	13° 15	S 5
M 6	10 53 14	15° 2'40	5° 27	13° 34	1° 0	27° 9	27° 8	3° 48	9° 29	6° 52	14° 11	4°D 8	5° 48	28° 41	13° 19	M 6
T 7	10 57 10	16° 2'38	19° 44	12° 33	2° 2	27° 6	27° 22	3° 49	9° 27	6° 52	14° 12	4° 8	5° 45	28° 48	13° 23	T 7
W 8	11 1 7	17° 2'34	3° 58	11° 34	3° 5	27° 2	27° 36	3° 49	9° 26	6° 52	14° 14	4° 10	5° 42	28° 55	13° 27	W 8
T 9	11 5 4	18° 2'29	18° 6	10° 38	4° 6	26° 57	27° 51	3° 50	9° 25	6°R52	14° 16	4°R10	5° 38	29° 1	13° 31	T 9
F 10	11 9 0	19° 2'22	2° 8	9° 45	5° 8	26° 51	28° 5	3° 50	9° 24	6° 52	14° 17	4° 9	5° 35	29° 8	13° 35	F 10
S 11	11 12 57	20° 2'14	16° 1	8° 56	6° 9	26° 45	28° 20	3° 51	9° 22	6° 52	14° 19	4° 7	5° 32	29° 15	13° 39	S 11
S 12	11 16 53	21° 2'04	29° 47	8° 13	7° 10	26° 38	28° 34	3° 51	9° 21	6° 52	14° 20	4° 2	5° 29	29° 21	13° 43	S 12
M13	11 20 50	22° 1'52	13° 21	7° 35	8° 10	26° 30	28° 49	3° 51	9° 20	6° 52	14° 22	3° 56	5° 26	29° 28	13° 47	M13
T 14	11 24 46	23° 1'38	26° 45	7° 3	9° 10	26° 21	29° 3	3°R51	9° 18	6° 51	14° 23	3° 49	5° 23	29° 35	13° 51	T 14
W15	11 28 43	24° 1'23	9° 54	6° 37	10° 9	26° 12	29° 18	3° 51	9° 17	6° 51	14° 25	3° 42	5° 19	29° 41	13° 55	W15
T 16	11 32 39	25° 1'05	22° 50	6° 18	11° 8	26° 1	29° 32	3° 51	9° 15	6° 51	14° 27	3° 35	5° 16	29° 48	13° 59	T 16
F 17	11 36 36	26° 0'46	5° 30	6° 5	12° 7	25° 50	29° 47	3° 50	9° 14	6° 51	14° 28	3° 30	5° 13	29° 55	14° 2	F 17
S 18	11 40 32	27° 0'24	17° 55	5° 58	13° 5	25° 39	0° 1	3° 50	9° 12	6° 51	14° 30	3° 27	5° 10	0° 1	14° 6	S 18
S 19	11 44 29	28° 0'00	0° 8	5°D57	14° 2	25° 26	0° 16	3° 49	9° 10	6° 50	14° 31	3°D26	5° 7	0° 8	14° 10	S 19
M20	11 48 26	28° 59'34	12° 8	6° 2	14° 59	25° 13	0° 30	3° 49	9° 9	6° 50	14° 33	3° 26	5° 4	0° 15	14° 14	M20
T 21	11 52 22	29° 59'06	24° 1	6° 13	15° 56	24° 59	0° 45	3° 48	9° 7	6° 50	14° 34	3° 28	5° 0	0° 21	14° 17	T 21
W22	11 56 19	0° 58'36	5° 50	6° 29	16° 52	24° 44	0° 59	3° 47	9° 5	6° 49	14° 36	3° 30	4° 57	0° 28	14° 21	W22
T 23	12 0 15	1° 58'03	17° 39	6° 50	17° 47	24° 29	1° 14	3° 46	9° 3	6° 49	14° 37	3° 31	4° 54	0° 35	14° 24	T 23
F 24	12 4 12	2° 57'28	29° 34	7° 16	18° 42	24° 13	1° 29	3° 45	9° 1	6° 48	14° 39	3°R32	4° 51	0° 41	14° 28	F 24
S 25	12 8 8	3° 56'51	11° 39	7° 46	19° 36	23° 56	1° 43	3° 44	8° 59	6° 48	14° 41	3° 32	4° 48	0° 48	14° 31	S 25
S 26	12 12 5	4° 56'12	23° 59	8° 21	20° 30	23° 39	1° 58	3° 43	8° 58	6° 47	14° 42	3° 30	4° 44	0° 54	14° 35	S 26
M27	12 16 1	5° 55'30	6° 39	8° 59	21° 23	23° 21	2° 12	3° 42	8° 56	6° 47	14° 44	3° 28	4° 41	1° 1	14° 38	M27
T 28	12 19 58	6° 54'46	19° 41	9° 42	22° 15	23° 2	2° 27	3° 41	8° 54	6° 46	14° 45	3° 24	4° 38	1° 8	14° 41	T 28
W29	12 23 55	7° 53'59	3° 8	10° 28	23° 6	22° 43	2° 41	3° 39	8° 52	6° 45	14° 47	3° 20	4° 35	1° 14	14° 45	W29
T 30	12 27 51	8° 53'10	16° 59	11° 18	23° 57	22° 24	2° 56	3° 37	8° 49	6° 45	14° 48	3° 16	4° 32	1° 21	14° 48	T 30
F 31	12 31 48	9° 52'19	1° 12	12° 10	24° 47	22° 4	3° 10	3° 36	8° 47	6° 44	14° 49	3° 13	4° 29	1° 28	14° 51	F 31

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	
W 1	7s49	8n39 4s46	1s25 3n35	11n25 1n35	7s54 2n47	2s37 1s 5	18s54 2n 3	14s15 0n28	19s53 1n37	19s14 14s 6	13s 3 13s33	17n52 10s46	6n26		
T 2	7 26	4 22 4 13	1 39 3 39	11 53 1 40	7 54 2 47	2 31 1 5	18 54 2 3	14 14 0 28	19 53 1 37	19 14 14 6	13 0 13 32	17 53 10 44	6 26		
F 3	7 3	0s15 3 24	1 56 3 41	12 21 1 45	7 54 2 48	2 26 1 5	18 54 2 3	14 14 0 28	19 53 1 37	19 13 14 6	12 57 13 31	17 54 10 43	6 26		
S 4	6 40	4 54 2 21	2 18 3 42	12 49 1 50	7 53 2 48	2 20 1 5	18 54 2 4	14 14 0 28	19 53 1 37	19 13 14 6	12 56 13 30	17 54 10 42	6 27		
S 5	6 17	9 20 1 9	2 42 3 40	13 16 1 56	7 52 2 48	2 14 1 5	18 54 2 4	14 13 0 28	19 53 1 37	19 12 14 6	12 55 13 29	17 55 10 40	6 27		
M 6	5 54	13 14 0n 7	3 9 3 36	13 43 2 1	7 51 2 48	2 8 1 5	18 54 2 4	14 13 0 28	19 52 1 37	19 11 14 6	12 54 13 28	17 56 10 39	6 27		
T 7	5 31	16 21 1 23	3 37 3 30	14 10 2 6	7 50 2 48	2 3 1 5	18 54 2 4	14 13 0 28	19 52 1 38	19 11 14 6	12 55 13 27	17 56 10 38	6 27		
W 8	5 7	18 26 2 34	4 7 3 22	14 37 2 12	7 48 2 49	1 57 1 5	18 54 2 4	14 12 0 28	19 52 1 38	19 10 14 6	12 55 13 26	17 57 10 36	6 27		
T 9	4 44	19 22 3 35	4 37 3 13	15 3 2 17	7 46 2 49	1 51 1 5	18 54 2 4	14 12 0 28	19 52 1 38	19 10 14 6	12 55 13 25	17 58 10 35	6 28		
F 10	4 20	19 4 4 23	5 7 3 2	15 29 2 22	7 44 2 49	1 45 1 5	18 54 2 5	14 11 0 28	19 52 1 38	19 9 14 6	12 55 13 24	17 58 10 34	6 28		
S 11	3 57	17 38 4 54	5 36 2 50	15 54 2 28	7 42 2 49	1 40 1 5	18 54 2 5	14 11 0 28	19 52 1 38	19 9 14 6	12 54 13 23	17 59 10 32	6 28		
S 12	3 33	15 11 5 8	6 4 2 37	16 20 2 33	7 39 2 49	1 34 1 5	18 54 2 5	14 11 0 28	19 52 1 38	19 8 14 6	12 52 13 22	18 0 10 31	6 28		
M13	3 10	11 57 5 5	6 31 2 23	16 44 2 38	7 37 2 49	1 28 1 5	18 54 2 5	14 10 0 28	19 52 1 38	19 7 14 6	12 50 13 21	18 0 10 30	6 28		
T 14	2 46	8 8 4 45	6 56 2 9	17 9 2 44	7 34 2 49	1 22 1 5	18 53 2 5	14 10 0 28	19 52 1 38	19 7 14 6	12 48 13 20	18 1 10 28	6 29		
W15	2 23	4 0 4 10	7 19 1 54	17 33 2 49	7 30 2 48	1 17 1 5	18 53 2 5	14 9 0 28	19 52 1 38	19 6 14 6	12 46 13 19	18 1 10 27	6 29		
T 16	1 59	0n15 3 23	7 40 1 39	17 57 2 54	7 27 2 48	1 11 1 5	18 53 2 6	14 9 0 28	19 52 1 38	19 6 14 6	12 43 13 17	18 2 10 26	6 29		
F 17	1 35	4 26 2 26	7 59 1 34	18 20 3 0	7 23 2 48	1 5 1 5	18 53 2 6	14 8 0 28	19 52 1 38	19 5 14 7	12 42 13 16	18 3 10 25	6 29		
S 18	1 11	8 20 1 24	8 15 1 9	18 43 3 5	7 19 2 48	0 59 1 5	18 53 2 6	14 8 0 28	19 52 1 38	19 5 14 7	12 41 13 15	18 3 10 23	6 30		
S 19	0 48	11 48 0 18	8 29 0 55	19 5 3 10	7 15 2 47	0 53 1 5	18 52 2 6	14 7 0 28	19 52 1 38	19 4 14 7	12 40 13 14	18 4 10 22	6 30		
M20	0 24	14 44 0s47	8 41 0 40	19 27 3 15	7 11 2 47	0 48 1 5	18 52 2 6	14 6 0 28	19 52 1 38	19 4 14 7	12 40 13 13	18 5 10 21	6 30		
T 21	0 0	17 1 1 50	8 50 0 26	19 49 3 20	7 6 2 46	0 42 1 5	18 52 2 6	14 6 0 28	19 51 1 38	19 3 14 7	12 41 13 12	18 5 10 19	6 31		
W22	0n23	18 32 2 48	8 57 0 13	20 10 3 25	7 1 2 46	0 36 1 5	18 52 2 6	14 5 0 28	19 51 1 38	19 3 14 7	12 41 13 11	18 6 10 18	6 31		
T 23	0 47	19 15 3 39	9 1 0s 1	20 31 3 30	6 56 2 45	0 30 1 5	18 51 2 7	14 5 0 28	19 51 1 38	19 2 14 7	12 42 13 10	18 6 10 17	6 31		
F 24	1 11	19 7 4 21	9 4 0 13	20 51 3 35	6 51 2 44	0 24 1 5	18 51 2 7	14 4 0 28	19 51 1 38	19 2 14 7	12 42 13 9	18 7 10 16	6 31		
S 25	1 34	18 7 4 52	9 4 0 26	21 11 3 40	6 46 2 43	0 19 1 5	18 51 2 7	14 4 0 28	19 51 1 38	19 1 14 7	12 42 13 8	18 7 10 14	6 32		
S 26	1 58	16 15 5 10	9 2 0 38	21 30 3 45	6 40 2 43	0 13 1 5	18 50 2 7	14 3 0 28	19 51 1 38	19 1 14 8	12 42 13 7	18 8 10 13	6 32		
M27	2 21	13 34 5 13	8 58 0 49	21 49 3 50	6 34 2 42	0 7 1 5	18 50 2 7	14 2 0 28	19 51 1 39	19 0 14 8	12 41 13 6	18 9 10 12	6 32		
T 28	2 45	10 9 5 1	8 51 0 59	22 8 3 55	6 28 2 41	0 1 1 5	18 49 2 7	14 2 0 28	19 51 1 39	19 0 14 8	12 40 13 5	18 9 10 11	6 33		
W29	3 8	6 7 4 33	8 43 1 10	22 26 4 0	6 22 2 40	0n 4 1 5	18 49 2 7	14 1 0 28	19 50 1 39	18 59 14 8	12 38 13 4	18 10 10 9	6 33		
T 30	3 32	1 39 3 48	8 33 1 19	22 43 4 4	6 16 2 39	0 10 1 5	18 49 2 8	14 0 0 28	19 50 1 39	18 59 14 8	12 37 13 3	18 10 10 8	6 33		
F 31	3n55	3s 2 2s47	8s22 1s28	23n 0 4n 9	6s10 2n37	0n16 1s 5	18s48 2n 8	14s 0 0n28	19s50 1n39	18s58 14s 8	12s36 13s 1	18n11 10s 7	6n34		

Julian Day Number = 2381842.5, Delta T = 15.20 sec
Ecliptic obliquity = 23°27'44", Nutation = 0°00'11", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°04'32", Lahiri = 21°11'33"

ASTRODIENST EPHEMERIS for the year 1809

geocentric

APRIL 1809

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 35 44	10°51'26	15°42	13°6	25°36	21°R43	3°V25	3°R34	8°R45	6°R43	14°H51	3°R11	4°M25	1°H34	14°54	S 1
S 2	12 39 41	11°50'31	0°M23	14° 5	26°25	21°H22	3°39	3°H32	8°M43	6°H43	14°52	3°D11	4°22	1°41	14°57	S 2
M 3	12 43 37	12°49'34	15° 8	15° 7	27°12	21° 1	3°54	3°30	8°41	6°42	14°54	3°M11	4°19	1°48	15° 0	M 3
T 4	12 47 34	13°48'36	29°50	16°11	27°59	20°39	4° 8	3°28	8°39	6°41	14°55	3°12	4°16	1°54	15° 3	T 4
W 5	12 51 30	14°47'35	14°H25	17°17	28°45	20°17	4°22	3°26	8°36	6°40	14°57	3°13	4°13	2° 1	15° 6	W 5
T 6	12 55 27	15°46'33	28°46	18°26	29°29	19°55	4°37	3°24	8°34	6°39	14°58	3°14	4° 9	2° 8	15° 9	T 6
F 7	12 59 24	16°45'29	12°H53	19°38	0°H13	19°33	4°51	3°22	8°32	6°39	14°59	3°R15	4° 6	2°14	15°12	F 7
S 8	13 3 20	17°44'23	26°43	20°51	0°56	19°10	5° 6	3°19	8°30	6°38	15° 1	3°15	4° 3	2°21	15°14	S 8
S 9	13 7 17	18°43'16	10°H16	22° 7	1°38	18°47	5°20	3°17	8°27	6°37	15° 2	3°14	4° 0	2°28	15°17	S 9
M10	13 11 13	19°42'06	23°33	23°25	2°19	18°24	5°34	3°14	8°25	6°36	15° 4	3°12	3°57	2°34	15°20	M10
T 11	13 15 10	20°40'55	6°H34	24°44	2°58	18° 1	5°48	3°12	8°23	6°35	15° 5	3°11	3°54	2°41	15°22	T 11
W12	13 19 6	21°39'42	19°21	26° 6	3°36	17°38	6° 3	3° 9	8°20	6°34	15° 6	3° 9	3°50	2°48	15°25	W12
T 13	13 23 3	22°38'27	1°V55	27°30	4°14	17°15	6°17	3° 6	8°18	6°33	15° 8	3° 8	3°47	2°54	15°27	T 13
F 14	13 26 59	23°37'11	14°17	28°55	4°49	16°53	6°31	3° 3	8°15	6°32	15° 9	3° 7	3°44	3° 1	15°30	F 14
S 15	13 30 56	24°35'52	26°29	0°V22	5°24	16°30	6°45	3° 0	8°13	6°31	15°10	3° 6	3°41	3° 8	15°32	S 15
S 16	13 34 52	25°34'32	8°H31	1°51	5°57	16° 7	7° 0	2°57	8°10	6°29	15°11	3°D 6	3°38	3°14	15°34	S 16
M17	13 38 49	26°33'09	20°26	3°22	6°29	15°45	7°14	2°54	8° 8	6°28	15°13	3° 6	3°35	3°21	15°37	M17
T 18	13 42 46	27°31'45	2°H16	4°55	6°59	15°23	7°28	2°51	8° 6	6°27	15°14	3° 7	3°31	3°28	15°39	T 18
W19	13 46 42	28°30'18	14° 5	6°29	7°28	15° 1	7°42	2°48	8° 3	6°26	15°15	3° 8	3°28	3°34	15°41	W19
T 20	13 50 39	29°28'50	25°55	8° 5	7°55	14°40	7°56	2°45	8° 1	6°25	15°16	3° 8	3°25	3°41	15°43	T 20
F 21	13 54 35	0°H27'19	7°H49	9°43	8°21	14°19	8°10	2°41	7°58	6°24	15°18	3° 8	3°22	3°48	15°45	F 21
S 22	13 58 32	1°25'46	19°54	11°22	8°45	13°58	8°24	2°38	7°56	6°22	15°19	3° 9	3°19	3°54	15°47	S 22
S 23	14 2 28	2°24'11	2°H12	13° 3	9° 7	13°38	8°38	2°34	7°53	6°21	15°20	3° 9	3°15	4° 1	15°49	S 23
M24	14 6 25	3°22'34	14°48	14°46	9°27	13°19	8°52	2°31	7°50	6°20	15°21	3° 9	3°12	4° 8	15°51	M24
T 25	14 10 21	4°20'54	27°47	16°31	9°45	13° 0	9° 5	2°27	7°48	6°19	15°22	3° 9	3° 9	4°14	15°52	T 25
W26	14 14 18	5°19'13	11°H10	18°17	10° 1	12°41	9°19	2°23	7°45	6°17	15°23	3° 9	3° 6	4°21	15°54	W26
T 27	14 18 15	6°17'29	25° 0	20° 5	10°16	12°23	9°33	2°20	7°43	6°16	15°25	3° 9	3° 3	4°28	15°56	T 27
F 28	14 22 11	7°15'44	9°H16	21°55	10°28	12° 6	9°47	2°16	7°40	6°15	15°26	3° 9	3° 0	4°34	15°57	F 28
S 29	14 26 8	8°13'56	23°54	23°47	10°38	11°49	10° 0	2°12	7°38	6°13	15°27	3°10	2°56	4°41	15°59	S 29
S 30	14 30 4	9°H12'07	8°M50	25°V40	10°H46	11°H33	10°V14	2°H 8	7°M35	6°H12	15°H28	3°R10	2°M53	4°H48	16°H 0	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	decl	lat
S 1	4n18	7s39	1s35	8s 8	1s37	23n17	4n13	6s 3	2n36	0n22	1s 5	18s48	2n 8	13s59	0n28	19s50	1n39	18s58	14s 8	12s35	13s 0	18n11	10s 6	6n34			
S 2	4 41	11 51	0 15	7 53	1 45	23 33	4 18	5 57	2 35	0 27	1 5	18 47	2 8	13 58	0 28	19 50	1 39	18 58	14 9	12 35	12 59	18 12	10 5	6 34			
M 3	5 4	15 21	1n 6	7 36	1 52	23 48	4 22	5 50	2 33	0 33	1 5	18 47	2 8	13 58	0 28	19 50	1 39	18 57	14 9	12 35	12 58	18 13	10 3	6 35			
T 4	5 27	17 49	2 22	7 17	1 59	24 3	4 26	5 44	2 32	0 39	1 5	18 46	2 8	13 57	0 28	19 49	1 39	18 57	14 9	12 35	12 57	18 13	10 2	6 35			
W 5	5 50	19 6	3 29	6 57	2 5	24 17	4 30	5 37	2 30	0 44	1 5	18 46	2 8	13 56	0 28	19 49	1 39	18 56	14 9	12 36	12 56	18 14	10 1	6 35			
T 6	6 13	19 6	4 21	6 35	2 11	24 31	4 34	5 30	2 29	0 50	1 5	18 45	2 8	13 55	0 28	19 49	1 39	18 56	14 9	12 36	12 55	18 14	10 0	6 36			
F 7	6 36	17 55	4 57	6 11	2 16	24 45	4 38	5 23	2 27	0 56	1 6	18 45	2 9	13 55	0 28	19 49	1 39	18 56	14 10	12 37	12 54	18 15	9 59	6 36			
S 8	6 58	15 41	5 14	5 47	2 20	24 57	4 42	5 16	2 25	1 1	1 6	18 44	2 9	13 54	0 28	19 49	1 39	18 55	14 10	12 36	12 53	18 15	9 58	6 36			
S 9	7 21	12 38	5 14	5 20	2 24	25 10	4 45	5 9	2 24	1 7	1 6	18 43	2 9	13 53	0 28	19 48	1 39	18 55	14 10	12 36	12 52	18 16	9 57	6 37			
M10	7 43	9 0	4 57	4 53	2 28	25 21	4 49	5 2	2 22	1 13	1 6	18 43	2 9	13 52	0 28	19 48	1 39	18 55	14 10	12 36	12 51	18 16	9 55	6 37			
T 11	8 5	5 1	4 25	4 24	2 31	25 33	4 52	4 55	2 20	1 18	1 6	18 42	2 9	13 52	0 28	19 48	1 39	18 54	14 10	12 35	12 50	18 17	9 54	6 37			
W12	8 27	0 51	3 39	3 54	2 33	25 43	4 55	4 49	2 18	1 24	1 6	18 42	2 9	13 51	0 28	19 48	1 39	18 54	14 11	12 35	12 49	18 17	9 53	6 38			
T 13	8 49	3n17	2 45	3 22	2 35	25 53	4 58	4 42	2 16	1 29	1 6	18 41	2 9	13 50	0 28	19 48	1 39	18 54	14 11	12 34	12 48	18 18	9 52	6 38			
F 14	9 11	7 13	1 43	2 49	2 37	26 3	5 1	4 35	2 13	1 35	1 6	18 40	2 9	13 49	0 28	19 47	1 39	18 53	14 11	12 34	12 46	18 18	9 51	6 39			
S 15	9 32	10 48	0 37	2 15	2 37	26 12	5 4	4 28	2 11	1 41	1 6	18 40	2 9	13 49	0 28	19 47	1 39	18 53	14 11	12 34	12 45	18 19	9 50	6 39			
S 16	9 54	13 53	0s30	1 40	2 38	26 20	5 6	4 22	2 9	1 46	1 6	18 39	2 10	13 48	0 28	19 47	1 39	18 53	14 12	12 34	12 44	18 19	9 49	6 39			
M17	10 15	16 21	1 35	1 4	2 37	26 28	5 8	4 15	2 7	1 52	1 6	18 38	2 10	13 47	0 28	19 47	1 39	18 52	14 12	12 34	12 43	18 20	9 48	6 40			
T 18	10 36	18 6	2 35	0 27	2 37	26 35	5 10	4 9	2 4	1 57	1 6	18 38	2 10	13 46	0 28	19 47	1 39	18 52	14 12	12 34	12 42	18 20	9 47	6 40			
W19	10 57	19 3	3 29	0n12	2 35	26 42	5 12	4 3	2 2	2 3	1 6	18 37	2 10	13 45	0 28	19 46	1 39	18 52	14 12	12 34	12 41	18 21	9 46	6 40			
T 20	11 18	19 11	4 13	0 51	2 34	26 48	5 13	3 57	1 59	2 8	1 6	18 36	2 10	13 45	0 28	19 46	1 39	18 52	14 13	12 34	12 40	18 21	9 45	6 41			
F 21	11 39	18 27	4 47	1 32	2 31	26 53	5 14	3 51	1 57	2 14	1 6	18 36	2 10	13 44	0 28	19 46	1 39	18 51	14 13	12 34	12 39	18 22	9 44	6 41			
S 22	11 59	16 53	5 9	2 14	2 28	26 58	5 15	3 45	1 54	2 19	1 6	18 35	2 10	13 43	0 28	19 46	1 39	18 51	14 13	12 34	12 38	18 22	9 43	6 42			
S 23	12 19	14 31	5 18	2 56	2 25	27 2	5 16	3 40	1 52	2 24	1 6	18 34	2 10	13 42	0 28	19 45	1 39	18 51	14 13	12 34	12 37	18 23	9 42	6 42			
M24	12 39	11 26	5 11	3 40	2 21	27 6	5 16	3 35	1 49	2 30	1 7	18 33	2 10	13 41	0 28	19 45	1 40	18 51	14 14	12 34	12 36	18 23	9 41	6 42			
T 25	12 59	7 44	4 49	4 24	2 17	27 9	5 16	3 30	1 47	2 35	1 7	18 33	2 10	13 41	0 28	19 45	1 40	18 51	14 14	12 34	12 35	18 24	9 40	6 43			
W26	13 18	3 31	4 11	5 9	2 12	27 11	5 16	3 25	1 44	2 40	1 7	18 32	2 10	13 40	0 28	19 45	1 40	18 50	14 14	12 34	12 33	18 24	9 40	6 43			
T 27	13 38	1s 1	3 17	5 55	2 6	27 12	5 15	3 20	1 42	2 46	1 7	18 31	2 10	13 39	0 28	19 44	1 40	18 50	14 14	12 35	12 32	18 25	9 39	6 44			
F 28	13 57	5 39	2 9	6 41	2 0	27 13	5 14	3 16	1 39	2 51	1 7	18 30	2 10	13 38	0 28	19 44	1 40	18 50	14 15	12 35	12 31	18 25	9 38	6 44			
S 29	14 16	10 5	0 51	7 29	1 54	27 13	5 13	3 12	1 36	2 56	1 7	18 29	2 10	13 37	0 28	19 44	1 40	18 50	14 15	12 35	12 30	18 26	9 37	6 45			
S 30	14n34	13s58	0n31	8n16	1s47	27n13	5n11	3s 8	1n34	3n 2	1s 7	18s29	2n11	13s36	0n28	19s44	1n40	18s50	14s15	12s35	12s29	18n26	9s36	6n45			

ASTRODIENST EPHEMERIS for the year 1809
geocentric

MAY 1809

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	14 34 1	10♈10'16	23♎54	27♊35	10♋51	11°R18	10♌27	2°R 4	7°R33	6°R10	15♋29	3°R 9	2♎50	4♊54	16≈ 2	M 1
T 2	14 37 57	11° 8'23	9♊0	29°32	10°55	11♋4	10°41	2♊0	7♎30	6♊9	15°30	3♎9	2°47	5° 1	16° 3	T 2
W 3	14 41 54	12° 6'29	23°57	1♋31	10°R56	10°50	10°54	1°56	7°28	6° 8	15°31	3° 8	2°44	5° 8	16° 4	W 3
T 4	14 45 50	13° 4'34	8♊38	3°31	10°54	10°37	11° 8	1°52	7°25	6° 6	15°32	3° 7	2°41	5°14	16° 5	T 4
F 5	14 49 47	14° 2'37	22°58	5°33	10°50	10°24	11°21	1°48	7°23	6° 5	15°33	3° 6	2°37	5°21	16° 6	F 5
S 6	14 53 44	15° 0'38	6≈54	7°36	10°44	10°13	11°34	1°44	7°20	6° 3	15°34	3° 5	2°34	5°28	16° 8	S 6
S 7	14 57 40	15°58'38	20°27	9°41	10°35	10° 2	11°48	1°40	7°18	6° 2	15°35	3°D 5	2°31	5°34	16° 9	S 7
M 8	15 1 37	16°56'37	3♋37	11°48	10°24	9°52	12° 1	1°35	7°15	6° 0	15°35	3° 6	2°28	5°41	16° 9	M 8
T 9	15 5 33	17°54'35	16°26	13°55	10°11	9°42	12°14	1°31	7°13	5°59	15°36	3° 7	2°25	5°48	16°10	T 9
W10	15 9 30	18°52'31	28°59	16° 4	9°55	9°34	12°27	1°27	7°10	5°57	15°37	3° 8	2°21	5°54	16°11	W10
T 11	15 13 26	19°50'26	11♊17	18°14	9°37	9°26	12°40	1°23	7° 8	5°56	15°38	3° 9	2°18	6° 1	16°12	T 11
F 12	15 17 23	20°48'19	23°25	20°24	9°16	9°19	12°53	1°18	7° 5	5°54	15°39	3°10	2°15	6° 8	16°13	F 12
S 13	15 21 19	21°46'12	5♋24	22°35	8°53	9°13	13° 6	1°14	7° 3	5°52	15°40	3°R10	2°12	6°14	16°13	S 13
S 14	15 25 16	22°44'02	17°18	24°46	8°28	9° 8	13°19	1° 9	7° 0	5°51	15°40	3°10	2° 9	6°21	16°14	S 14
M15	15 29 13	23°41'52	29° 8	26°58	8° 1	9° 4	13°31	1° 5	6°58	5°49	15°41	3° 8	2° 6	6°28	16°14	M15
T 16	15 33 9	24°39'40	10♋56	29° 8	7°33	9° 0	13°44	1° 1	6°55	5°48	15°42	3° 5	2° 2	6°34	16°15	T 16
W17	15 37 6	25°37'26	22°46	1♋19	7° 2	8°57	13°57	0°56	6°53	5°46	15°43	3° 2	1°59	6°41	16°15	W17
T 18	15 41 2	26°35'11	4♋38	3°28	6°30	8°55	14° 9	0°52	6°51	5°45	15°43	2°58	1°56	6°48	16°15	T 18
F 19	15 44 59	27°32'55	16°36	5°37	5°56	8°54	14°22	0°47	6°48	5°43	15°44	2°54	1°53	6°54	16°15	F 19
S 20	15 48 55	28°30'37	28°43	7°43	5°21	8°D53	14°34	0°43	6°46	5°41	15°45	2°51	1°50	7° 1	16°15	S 20
S 21	15 52 52	29°28'17	11♋1	9°49	4°45	8°54	14°46	0°38	6°44	5°40	15°45	2°48	1°47	7° 8	16°R15	S 21
M22	15 56 48	0♋25'56	23°35	11°52	4° 8	8°55	14°59	0°34	6°42	5°38	15°46	2°47	1°43	7°14	16°15	M22
T 23	16 0 45	1°23'33	6♋29	13°54	3°31	8°57	15°11	0°29	6°39	5°36	15°46	2°D47	1°40	7°21	16°15	T 23
W24	16 4 42	2°21'09	19°45	15°53	2°53	8°59	15°23	0°25	6°37	5°35	15°47	2°48	1°37	7°28	16°15	W24
T 25	16 8 38	3°18'43	3♋26	17°50	2°16	9° 3	15°35	0°20	6°35	5°33	15°47	2°49	1°34	7°34	16°15	T 25
F 26	16 12 35	4°16'16	17°34	19°44	1°38	9° 7	15°47	0°16	6°33	5°32	15°48	2°51	1°31	7°41	16°15	F 26
S 27	16 16 31	5°13'48	2♎8	21°36	1° 1	9°12	15°58	0°12	6°31	5°30	15°48	2°R51	1°27	7°48	16°14	S 27
S 28	16 20 28	6°11'18	17° 3	23°25	0°24	9°17	16°10	0° 7	6°29	5°28	15°49	2°51	1°24	7°54	16°14	S 28
M29	16 24 24	7° 8'47	2♊13	25°12	29♋48	9°24	16°22	0° 3	6°26	5°27	15°49	2°48	1°21	8° 1	16°14	M29
T 30	16 28 21	8° 6'15	17°29	26°56	29°14	9°31	16°33	29♎58	6°24	5°25	15°50	2°45	1°18	8° 8	16°13	T 30
W31	16 32 17	9♋3'42	2♋40	28♋37	28♋40	9♋38	16°Y45	29♎54	6♎22	5♊24	15♋50	2♎40	1♎15	8♋14	16≈13	W31

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
M 1	14n53	16s57	1n53	9n 5	1s39	27n11	5n 9	3s 5	1n31	3n 7	1s 7	18s28	2n11	13s36	0n28	19s43	1n40	18s50	14s16	12s35	12s28	18n26	9s35	6n45
T 2	15 11	18 45	3 6	9 53	1 32	27 9	5 6	3 2	1 28	3 12	1 7	18 27	2 11	13 35	0 28	19 43	1 40	18 49	14 16	12 34	12 27	18 27	9 35	6 46
W 3	15 29	19 13	4 6	10 43	1 23	27 6	5 3	2 59	1 26	3 17	1 7	18 26	2 11	13 34	0 28	19 43	1 40	18 49	14 16	12 34	12 26	18 27	9 34	6 46
T 4	15 47	18 23	4 49	11 32	1 15	27 2	4 59	2 56	1 23	3 22	1 7	18 25	2 11	13 33	0 28	19 43	1 40	18 49	14 16	12 34	12 25	18 28	9 33	6 47
F 5	16 4	16 22	5 12	12 21	1 6	26 58	4 55	2 54	1 20	3 28	1 8	18 24	2 11	13 32	0 28	19 42	1 40	18 49	14 17	12 33	12 24	18 28	9 32	6 47
S 6	16 21	13 27	5 16	13 11	0 56	26 52	4 51	2 52	1 17	3 33	1 8	18 24	2 11	13 32	0 28	19 42	1 40	18 49	14 17	12 33	12 23	18 29	9 32	6 48
S 7	16 38	9 54	5 3	14 0	0 46	26 46	4 45	2 50	1 15	3 38	1 8	18 23	2 11	13 31	0 28	19 42	1 40	18 49	14 17	12 33	12 21	18 29	9 31	6 48
M 8	16 55	5 56	4 33	14 49	0 36	26 38	4 40	2 48	1 12	3 43	1 8	18 22	2 11	13 30	0 28	19 41	1 40	18 49	14 18	12 33	12 20	18 30	9 30	6 48
T 9	17 11	1 49	3 51	15 37	0 26	26 30	4 33	2 47	1 10	3 48	1 8	18 21	2 11	13 29	0 28	19 41	1 40	18 49	14 18	12 34	12 19	18 30	9 30	6 49
W10	17 27	2n19	2 58	16 25	0 16	26 21	4 27	2 46	1 7	3 53	1 8	18 20	2 11	13 28	0 28	19 41	1 40	18 49	14 18	12 34	12 18	18 30	9 29	6 49
T 11	17 43	6 17	1 58	17 11	0 5	26 11	4 19	2 46	1 4	3 58	1 8	18 19	2 11	13 28	0 28	19 41	1 40	18 49	14 19	12 35	12 17	18 31	9 28	6 50
F 12	17 58	9 56	0 54	17 57	0n 5	26 0	4 11	2 45	1 2	4 3	1 8	18 18	2 11	13 27	0 28	19 40	1 40	18 49	14 19	12 35	12 16	18 31	9 28	6 50
S 13	18 14	13 8	0s12	18 41	0 16	25 48	4 2	2 45	0 59	4 8	1 8	18 18	2 11	13 26	0 28	19 40	1 40	18 49	14 19	12 35	12 15	18 32	9 27	6 51
S 14	18 28	15 47	1 17	19 24	0 26	25 35	3 53	2 45	0 56	4 12	1 9	18 17	2 11	13 25	0 28	19 40	1 40	18 49	14 20	12 35	12 14	18 32	9 27	6 51
M15	18 43	17 44	2 18	20 5	0 37	25 20	3 43	2 46	0 54	4 17	1 9	18 16	2 11	13 24	0 28	19 39	1 40	18 49	14 20	12 34	12 13	18 32	9 26	6 51
T 16	18 57	18 55	3 14	20 45	0 47	25 6	3 33	2 47	0 51	4 22	1 9	18 15	2 11	13 24	0 28	19 39	1 40	18 49	14 20	12 33	12 12	18 33	9 25	6 52
W17	19 11	19 16	4 0	21 22	0 56	24 50	3 22	2 48	0 49	4 27	1 9	18 14	2 11	13 23	0 28	19 39	1 40	18 49	14 21	12 32	12 11	18 33	9 25	6 52
T 18	19 25	18 46	4 37	21 57	1 6	24 33	3 11	2 50	0 46	4 32	1 9	18 13	2 11	13 22	0 28	19 39	1 40	18 49	14 21	12 31	12 9	18 34	9 24	6 53
F 19	19 38	17 26	5 2	22 29	1 15	24 15	2 59	2 51	0 44	4 36	1 9	18 12	2 11	13 21	0 28	19 38	1 40	18 49	14 21	12 29	12 8	18 34	9 24	6 53
S 20	19 51	15 19	5 13	22 59	1 23	23 57	2 47	2 53	0 42	4 41	1 9	18 11	2 11	13 21	0 28	19 38	1 40	18 49	14 22	12 28	12 7	18 34	9 24	6 54
S 21	20 3	12 30	5 11	23 26	1 31	23 38	2 34	2 56	0 39	4 46	1 9	18 11	2 10	13 20	0 28	19 38	1 40	18 49	14 22	12 27	12 6	18 35	9 23	6 54
M22	20 16	9 3	4 54	23 51	1 38	23 18	2 21	2 58	0 37	4 50	1 10	18 10	2 10	13 19	0 28	19 38	1 40	18 49	14 22	12 27	12 5	18 35	9 23	6 54
T 23	20 28	5 5	4 22	24 13	1 45	22 58	2 7	3 1	0 35	4 55	1 10	18 9	2 10	13 18	0 28	19 37	1 40	18 49	14 23	12 27	12 4	18 35	9 22	6 55
W24	20 39	0 46	3 35	24 33	1 50	22 37	1 54	3 4	0 32	4 59	1 10	18 8	2 10	13 18	0 28	19 37	1 40	18 49	14 23	12 27	12 3	18 36	9 22	6 55
T 25	20 50	3s44	2 34	24 49	1 56	22 16	1 40	3 8	0 30	5 4	1 10	18 7	2 10	13 17	0 28	19 37	1 40	18 49	14 24	12 28	12 2	18 36	9 22	6 56
F 26	21 1	8 11	1 23	25 3	2 0	21 54	1 26	3 12	0 28	5 8	1 10	18 6	2 10	13 16	0 28	19 36	1 40	18 50	14 24	12 28	12 1	18 37	9 21	6 56
S 27	21 12	12 17	0 4	25 15	2 4	21 33	1 12	3 15	0 25	5 13	1 10	18 5	2 10	13 16	0 28	19 36	1 40	18 50	14 24	12 28	12 0	18 37	9 21	6 57
S 28	21 22	15 43	1n17	25 24	2 6	21 11	0 57	3 20	0 23	5 17	1 10	18 5	2 10	13 15	0 28	19 36	1 40	18 50	14 25	12 28	11 58	18 37	9 21	6 57
M29	21 31	18 7	2 34	25 31	2 8	20 50	0 43	3 24	0 21	5 21	1 11	18 4	2 10	13 14	0 28	19 36	1 40	18 50	14 25	12 27	11 57	18 38	9 20	6 57
T 30	21 41	19 14	3 40	25 35	2 10	20 28	0 29	3 29	0 19	5 26	1 11	18 3	2 10	13 14	0 28	19 35	1 40	18 50	14 25	12 26	11 56	18 38	9 20	6 58
W31	21n50	18s56	4n30	25n38	2n10	20n 7	0n15	3s34	0n17	5n30	1s11	18s 2	2n10	13s13	0n28	19s35	1n40	18s50	14s26	12s25	11s55	18n38	9s20	6n58

Julian Day Number = 2381903.5, Delta T = 15.18 sec
Ecliptic obliquity = 23°27'43, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°04'41, Lahiri = 21°11'41

ASTRODIENST EPHEMERIS for the year 1809

geocentric

JULY 1809

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 31	8°39'33	24°55	23°R18	28°51	18°17	21°V48	27°R58	5°R39	4°R37	15°R51	0°R31	29°236	11°II41	15°R25	S 1
S 2	18 38 27	9°36'44	8°H40	23°51	29°23	18°41	21°56	27°M55	5°M39	4°H36	15°H50	0°M25	29°33	11°48	15°22	S 2
M 3	18 42 24	10°33'55	21°55	22°39	29°55	19° 6	22° 4	27°52	5°38	4°35	15°50	0°22	29°30	11°55	15°20	M 3
T 4	18 46 20	11°31'06	4°V44	22°14	0°II29	19°31	22°11	27°50	5°37	4°34	15°50	0°20	29°27	12° 1	15°17	T 4
W 5	18 50 17	12°28'17	17°11	21°45	1° 4	19°56	22°19	27°47	5°37	4°32	15°49	0°D20	29°24	12° 8	15°15	W 5
T 6	18 54 13	13°25'29	29°20	21°13	1°41	20°22	22°26	27°45	5°36	4°31	15°49	0°R20	29°20	12°15	15°12	T 6
F 7	18 58 10	14°22'41	11°B18	20°39	2°18	20°48	22°33	27°42	5°36	4°30	15°48	0°20	29°17	12°22	15°10	F 7
S 8	19 2 7	15°19'54	23° 8	20° 2	2°57	21°14	22°40	27°40	5°36	4°29	15°48	0°18	29°14	12°28	15° 7	S 8
S 9	19 6 3	16°17'07	4°II56	19°24	3°37	21°40	22°47	27°38	5°35	4°28	15°47	0°13	29°11	12°35	15° 4	S 9
M10	19 10 0	17°14'21	16°45	18°46	4°18	22° 7	22°53	27°36	5°35	4°27	15°47	0° 6	29° 8	12°42	15° 2	M10
T 11	19 13 56	18°11'35	28°38	18° 7	5° 0	22°35	23° 0	27°34	5°35	4°26	15°46	29°256	29° 4	12°48	14°59	T 11
W12	19 17 53	19° 8'49	10°538	17°28	5°42	23° 2	23° 6	27°32	5°35	4°25	15°46	29°44	29° 1	12°55	14°56	W12
T 13	19 21 49	20° 6'03	22°46	16°51	6°26	23°30	23°12	27°30	5°35	4°24	15°45	29°31	28°58	13° 2	14°53	T 13
F 14	19 25 46	21° 3'18	5°D 4	16°15	7°11	23°58	23°18	27°28	5°35	4°23	15°45	29°18	28°55	13° 8	14°50	F 14
S 15	19 29 43	22° 0'34	17°31	15°42	7°56	24°27	23°24	27°26	5°D35	4°22	15°44	29° 6	28°52	13°15	14°48	S 15
S 16	19 33 39	22°57'49	0°M 8	15°13	8°43	24°55	23°30	27°25	5°35	4°21	15°43	28°55	28°49	13°22	14°45	S 16
M17	19 37 36	23°55'05	12°57	14°46	9°30	25°25	23°35	27°23	5°35	4°20	15°43	28°48	28°45	13°28	14°42	M17
T 18	19 41 32	24°52'21	25°59	14°24	10°18	25°54	23°40	27°22	5°35	4°19	15°42	28°43	28°42	13°35	14°39	T 18
W19	19 45 29	25°49'37	9°215	14° 7	11° 6	26°24	23°45	27°20	5°35	4°18	15°41	28°41	28°39	13°42	14°36	W19
T 20	19 49 25	26°46'54	22°47	13°54	11°56	26°53	23°50	27°19	5°35	4°17	15°40	28°41	28°36	13°48	14°33	T 20
F 21	19 53 22	27°44'11	6°M36	13°47	12°46	27°24	23°55	27°18	5°36	4°16	15°40	28°40	28°33	13°55	14°30	F 21
S 22	19 57 18	28°41'28	20°45	13°D45	13°37	27°54	24° 0	27°17	5°36	4°15	15°39	28°40	28°30	14° 2	14°27	S 22
S 23	20 1 15	29°38'46	5°J11	13°49	14°28	28°25	24° 4	27°16	5°36	4°15	15°38	28°37	28°26	14° 8	14°24	S 23
M24	20 5 12	0°D36'04	19°53	13°58	15°20	28°56	24° 9	27°15	5°37	4°14	15°37	28°32	28°23	14°15	14°21	M24
T 25	20 9 8	1°33'22	4°B44	14°14	16°12	29°27	24°13	27°15	5°37	4°13	15°37	28°24	28°20	14°22	14°17	T 25
W26	20 13 5	2°30'41	19°98	14°36	17° 6	29°59	24°17	27°14	5°38	4°13	15°36	28°14	28°17	14°29	14°14	W26
T 27	20 17 1	3°28'01	4°225	15° 4	17°59	0°M30	24°20	27°13	5°39	4°12	15°35	28° 3	28°14	14°35	14°11	T 27
F 28	20 20 58	4°25'22	18°57	15°38	18°54	1° 2	24°24	27°13	5°39	4°11	15°34	27°52	28°10	14°42	14° 8	F 28
S 29	20 24 54	5°22'43	3°H 7	16°19	19°48	1°34	24°27	27°13	5°40	4°11	15°33	27°42	28° 7	14°49	14° 5	S 29
S 30	20 28 51	6°20'05	16°51	17° 5	20°44	2° 7	24°30	27°12	5°41	4°10	15°32	27°35	28° 4	14°55	14° 2	S 30
M31	20 32 47	7°D17'29	0°V 8	17°57	21°II40	2°M39	24°V33	27°M12	5°M42	4°H10	15°H31	27°230	28°21	15°II 2	13°258	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23n11	8s53	4n37	18n27	3s 2	16n 2	3s59	7s43	0s35	7n19	1s17	17s42	2n 5	13s 0	0n27	S 1
S 2	23 7	4 38	3 59	18 15	3 17	16 7	4 1	7 53	0 36	7 22	1 17	17 41	2 5	12 59	0 27	S 2
M 3	23 2	0 18	3 9	18 5	3 32	16 12	4 3	8 4	0 37	7 24	1 17	17 41	2 5	12 59	0 27	M 3
T 4	22 58	3n54	2 12	17 55	3 45	16 17	4 4	8 14	0 39	7 27	1 17	17 40	2 5	12 59	0 27	T 4
W 5	22 53	7 49	1 9	17 47	3 58	16 23	4 6	8 25	0 40	7 29	1 18	17 40	2 4	12 59	0 27	W 5
T 6	22 47	11 20	0 5	17 40	4 10	16 29	4 7	8 36	0 41	7 32	1 18	17 40	2 4	12 59	0 27	T 6
F 7	22 41	14 19	0s58	17 35	4 21	16 35	4 8	8 47	0 42	7 34	1 18	17 39	2 4	12 59	0 27	F 7
S 8	22 35	16 40	1 58	17 31	4 30	16 42	4 8	8 58	0 43	7 37	1 18	17 39	2 4	12 59	0 27	S 8
S 9	22 28	18 19	2 53	17 28	4 38	16 49	4 9	9 9	0 45	7 39	1 19	17 39	2 3	12 59	0 27	S 9
M10	22 21	19 9	3 40	17 27	4 44	16 56	4 9	9 20	0 46	7 41	1 19	17 38	2 3	12 59	0 27	M10
T 11	22 13	19 10	4 17	17 27	4 49	17 4	4 9	9 31	0 47	7 43	1 19	17 38	2 3	12 58	0 27	T 11
W12	22 6	18 19	4 44	17 29	4 53	17 12	4 9	9 42	0 48	7 45	1 19	17 38	2 3	12 58	0 27	W12
T 13	21 57	16 38	4 58	17 32	4 54	17 19	4 8	9 54	0 49	7 48	1 20	17 38	2 3	12 58	0 27	T 13
F 14	21 49	14 11	4 59	17 36	4 54	17 27	4 8	10 5	0 50	7 50	1 20	17 38	2 2	12 58	0 27	F 14
S 15	21 40	11 4	4 45	17 42	4 52	17 35	4 7	10 17	0 51	7 51	1 20	17 37	2 2	12 58	0 27	S 15
S 16	21 30	7 25	4 18	17 48	4 49	17 43	4 6	10 28	0 52	7 53	1 20	17 37	2 2	12 59	0 27	S 16
M17	21 21	3 22	3 37	17 56	4 44	17 51	4 5	10 40	0 53	7 55	1 21	17 37	2 2	12 59	0 27	M17
T 18	21 10	0s54	2 44	18 5	4 38	18 0	4 4	10 51	0 54	7 57	1 21	17 37	2 1	12 59	0 27	T 18
W19	21 0	5 13	1 41	18 14	4 30	18 8	4 2	11 3	0 55	7 58	1 21	17 37	2 1	12 59	0 26	W19
T 20	20 49	9 21	0 31	18 25	4 21	18 16	4 1	11 15	0 56	8 0	1 21	17 37	2 1	12 59	0 26	T 20
F 21	20 38	13 4	0n42	18 36	4 11	18 24	3 59	11 27	0 57	8 2	1 22	17 37	2 1	12 59	0 26	F 21
S 22	20 26	16 8	1 54	18 47	3 59	18 32	3 57	11 38	0 58	8 3	1 22	17 37	2 0	12 59	0 26	S 22
S 23	20 15	18 14	3 0	18 59	3 47	18 40	3 55	11 50	0 59	8 4	1 22	17 37	2 0	12 59	0 26	S 23
M24	20 2	19 10	3 56	19 11	3 34	18 48	3 53	12 2	1 0	8 6	1 22	17 37	2 0	13 0	0 26	M24
T 25	19 50	18 47	4 36	19 23	3 20	18 55	3 51	12 14	1 1	8 7	1 23	17 37	2 0	13 0	0 26	T 25
W26	19 37	17 7	4 57	19 35	3 6	19 3	3 48	12 26	1 2	8 8	1 23	17 37	2 0	13 0	0 26	W26
T 27	19 24	14 20	4 59	19 46	2 51	19 10	3 46	12 38	1 3	8 9	1 23	17 37	1 59	13 0	0 26	T 27
F 28	19 10	10 42	4 41	19 57	2 36	19 18	3 43	12 50	1 3	8 10	1 23	17 37	1 59	13 0	0 26	F 28
S 29	18 57	6 33	4 6	20 8	2 21	19 25	3 40	13 2	1 4	8 11	1 24	17 38	1 59	13 1	0 26	S 29
S 30	18 42	2 10	3 17	20 18	2 5	19 31	3 37	13 14	1 5	8 12	1 24	17 38	1 59	13 1	0 26	S 30
M31	18n28	2n11	2n19	20n27	1s50	19n38	3s34	13s26	1s 6	8n13	1s24	17s38	1n58	13s 1	0n26	M31

Julian Day Number = 2381964.5, Delta T = 15.17 sec
 Ecliptic obliquity = 23°27'42, Nutation = 0°00'09, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°04'49, Lahiri = 21°11'50

ASTRODIENST EPHEMERIS for the year 1809

geocentric

AUGUST 1809

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 36 44	8♌14°53	13♍0	18♊55	22♋36	3♌12	24♍36	27♎12	5♏43	4♐9	15♑30	27♒28	27♓58	15♊9	13♋55	T 1
W 2	20 40 41	9°12'19	25°28	19°59	23°33	3°45	24°39	27♌12	5°43	4♐9	15♑30	27♎27	27°55	15°15	13♌52	W 2
T 3	20 44 37	10°9'46	7♊39	21°9	24°30	4°18	24°41	27°12	5°44	4°8	15°29	27♒27	27°51	15°22	13°49	T 3
F 4	20 48 34	11°7'14	19°38	22°24	25°28	4°52	24°43	27°12	5°45	4°8	15°28	27♓27	27°48	15°29	13°46	F 4
S 5	20 52 30	12°4'44	1♋29	23°44	26°26	5°26	24°46	27°13	5°47	4°7	15°27	27°25	27°45	15°35	13°42	S 5
S 6	20 56 27	13°2'15	13°18	25°9	27°24	6°0	24°47	27°13	5°48	4°7	15°26	27°22	27°42	15°42	13°39	S 6
M 7	21 0 23	13°59'47	25°10	26°39	28°23	6°34	24°49	27°14	5°49	4°7	15°25	27°15	27°39	15°49	13°36	M 7
T 8	21 4 20	14°57'21	7♊9	28°14	29°22	7°8	24°51	27°14	5°50	4°7	15°24	27°7	27°36	15°55	13°33	T 8
W 9	21 8 16	15°54'56	19°16	29°53	0♊22	7°43	24°52	27°15	5°51	4°6	15°23	26°56	27°32	16°2	13°29	W 9
T 10	21 12 13	16°52'32	1♌35	1♌36	1°22	8°17	24°53	27°16	5°53	4°6	15°21	26°44	27°29	16°9	13°26	T 10
F 11	21 16 10	17°50'09	14°7	3°22	2°23	8°52	24°54	27°17	5°54	4°6	15°20	26°32	27°26	16°16	13°23	F 11
S 12	21 20 6	18°47'48	26°51	5°11	3°23	9°27	24°54	27°18	5°56	4°6	15°19	26°20	27°23	16°22	13°20	S 12
S 13	21 24 3	19°45'28	9♎47	7°3	4°24	10°3	24°55	27°19	5°57	4°6	15°18	26°11	27°20	16°29	13°17	S 13
M14	21 27 59	20°43'09	22°55	8°58	5°26	10°38	24°55	27°20	5°59	4°6	15°17	26°4	27°16	16°36	13°13	M14
T 15	21 31 56	21°40'51	6♊14	10°54	6°27	11°14	24°R55	27°21	6°0	4°5	15°16	26°0	27°13	16°42	13°10	T 15
W16	21 35 52	22°38'34	19°44	12°52	7°29	11°50	24°55	27°22	6°2	4°D 5	15°15	25°D59	27°10	16°49	13°7	W16
T 17	21 39 49	23°36'18	3♌24	14°51	8°32	12°26	24°55	27°24	6°3	4°5	15°14	25°59	27°7	16°56	13°4	T 17
F 18	21 43 45	24°34'04	17°17	16°51	9°34	13°2	24°54	27°25	6°5	4°5	15°13	25°59	27°4	17°2	13°1	F 18
S 19	21 47 42	25°31'50	1♊20	18°52	10°37	13°39	24°53	27°27	6°7	4°6	15°12	25°R59	27°1	17°9	12°58	S 19
S 20	21 51 38	26°29'38	15°34	20°52	11°40	14°15	24°53	27°29	6°9	4°6	15°10	25°58	26°57	17°16	12°55	S 20
M21	21 55 35	27°27'27	29°57	22°53	12°43	14°52	24°51	27°31	6°11	4°6	15°9	25°54	26°54	17°22	12°52	M21
T 22	21 59 32	28°25'17	14♊25	24°53	13°47	15°29	24°50	27°33	6°13	4°6	15°8	25°48	26°51	17°29	12°48	T 22
W23	22 3 28	29°23'09	28°54	26°53	14°51	16°6	24°49	27°35	6°15	4°6	15°7	25°41	26°48	17°36	12°45	W23
T 24	22 7 25	0♎21'01	13♌17	28°52	15°55	16°43	24°47	27°37	6°17	4°6	15°6	25°32	26°45	17°43	12°42	T 24
F 25	22 11 21	1°18'55	27°28	0♎50	17°0	17°21	24°45	27°39	6°19	4°7	15°4	25°23	26°41	17°49	12°39	F 25
S 26	22 15 18	2°16'51	11♊22	2°48	18°4	17°58	24°43	27°41	6°21	4°7	15°3	25°16	26°38	17°56	12°36	S 26
S 27	22 19 14	3°14'48	24°56	4°44	19°9	18°36	24°41	27°44	6°23	4°7	15°2	25°10	26°35	18°3	12°34	S 27
M28	22 23 11	4°12'47	8♍7	6°40	20°14	19°14	24°38	27°46	6°25	4°8	15°1	25°6	26°32	18°9	12°31	M28
T 29	22 27 7	5°10'48	20°55	8°34	21°20	19°52	24°35	27°49	6°27	4°8	15°0	25°D 5	26°29	18°16	12°28	T 29
W30	22 31 4	6°8'50	3♊24	10°27	22°25	20°30	24°32	27°52	6°29	4°8	14°58	25°5	26°26	18°23	12°25	W30
T 31	22 35 1	7♎6'55	15♊36	12♎19	23♊31	21♌8	24°Y29	27♌54	6♌32	4♐9	14♊57	25♓6	26♓22	18♋29	12♌22	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	18n13	6n18	1n16	20n34	1s34	19n44	3s31	13s38	1s7	8n14	1s24	17s38	1n58	13s2	0n26	19s24	1n38
W 2	17 58	10 1	0 11	20 40	1 19	19 50	3 28	13 50	1 7	8 15	1 25	17 38	1 58	13 2	0 26	19 24	1 38
T 3	17 43	13 14	0s54	20 45	1 3	19 56	3 25	14 2	1 8	8 15	1 25	17 39	1 58	13 2	0 26	19 24	1 38
F 4	17 27	15 49	1 55	20 48	0 49	20 1	3 22	14 14	1 9	8 16	1 25	17 39	1 57	13 3	0 26	19 24	1 38
S 5	17 11	17 42	2 50	20 49	0 34	20 7	3 18	14 26	1 10	8 16	1 25	17 39	1 57	13 3	0 26	19 24	1 38
S 6	16 55	18 49	3 38	20 48	0 20	20 11	3 15	14 38	1 10	8 17	1 26	17 40	1 57	13 3	0 26	19 24	1 37
M 7	16 39	19 6	4 16	20 45	0 6	20 16	3 11	14 50	1 11	8 17	1 26	17 40	1 57	13 4	0 26	19 24	1 37
T 8	16 22	18 33	4 44	20 39	0n7	20 20	3 8	15 2	1 12	8 17	1 26	17 40	1 56	13 4	0 26	19 24	1 37
W 9	16 5	17 8	4 59	20 30	0 19	20 24	3 4	15 14	1 13	8 18	1 26	17 41	1 56	13 5	0 26	19 24	1 37
T 10	15 48	14 56	5 1	20 20	0 31	20 27	3 0	15 26	1 13	8 18	1 27	17 41	1 56	13 5	0 26	19 24	1 37
F 11	15 30	12 1	4 48	20 6	0 42	20 30	2 57	15 38	1 14	8 18	1 27	17 42	1 56	13 6	0 26	19 24	1 37
S 12	15 12	8 29	4 21	19 50	0 52	20 32	2 53	15 50	1 15	8 18	1 27	17 42	1 55	13 6	0 26	19 24	1 37
S 13	14 54	4 31	3 40	19 31	1 1	20 35	2 49	16 2	1 15	8 18	1 28	17 43	1 55	13 7	0 26	19 24	1 37
M14	14 36	0 16	2 47	19 9	1 10	20 36	2 45	16 14	1 16	8 18	1 28	17 43	1 55	13 7	0 26	19 24	1 37
T 15	14 18	4s3	1 43	18 45	1 17	20 38	2 41	16 25	1 16	8 18	1 28	17 44	1 55	13 8	0 26	19 24	1 37
W16	13 59	8 14	0 33	18 18	1 24	20 38	2 37	16 37	1 17	8 17	1 28	17 45	1 54	13 8	0 26	19 24	1 37
T 17	13 40	12 3	0n40	17 49	1 29	20 39	2 33	16 49	1 18	8 17	1 29	17 45	1 54	13 9	0 26	19 24	1 37
F 18	13 21	15 14	1 51	17 18	1 34	20 39	2 29	17 1	1 18	8 16	1 29	17 45	1 54	13 10	0 26	19 24	1 37
S 19	13 1	17 33	2 57	16 44	1 38	20 38	2 24	17 12	1 19	8 16	1 29	17 46	1 54	13 10	0 26	19 24	1 37
S 20	12 42	18 49	3 53	16 9	1 41	20 37	2 20	17 24	1 19	8 15	1 29	17 47	1 53	13 11	0 25	19 24	1 37
M21	12 22	18 53	4 35	15 32	1 44	20 36	2 16	17 35	1 20	8 15	1 30	17 47	1 53	13 12	0 25	19 24	1 37
T 22	12 2	17 43	4 59	14 53	1 45	20 34	2 12	17 46	1 20	8 14	1 30	17 48	1 53	13 12	0 25	19 24	1 37
W23	11 42	15 26	5 5	14 13	1 46	20 31	2 7	17 58	1 21	8 13	1 30	17 49	1 53	13 13	0 25	19 24	1 36
T 24	11 22	12 12	4 51	13 32	1 46	20 28	2 3	18 9	1 21	8 12	1 30	17 49	1 52	13 14	0 25	19 25	1 36
F 25	11 1	8 18	4 19	12 50	1 46	20 25	1 59	18 20	1 22	8 11	1 31	17 50	1 52	13 14	0 25	19 25	1 36
S 26	10 40	4 2	3 33	12 6	1 44	20 21	1 55	18 31	1 22	8 10	1 31	17 51	1 52	13 15	0 25	19 25	1 36
S 27	10 19	0n21	2 35	11 22	1 43	20 16	1 50	18 42	1 23	8 9	1 31	17 51	1 52	13 16	0 25	19 25	1 36
M28	9 58	4 36	1 30	10 38	1 40	20 11	1 46	18 53	1 23	8 8	1 31	17 52	1 51	13 16	0 25	19 25	1 36
T 29	9 37	8 31	0 22	9 52	1 37	20 6	1 41	19 4	1 24	8 7	1 31	17 53	1 51	13 17	0 25	19 25	1 36
W30	9 16	11 57	0s45	9 6	1 34	20 0	1 37	19 15	1 24	8 6	1 32	17 54	1 51	13 18	0 25	19 25	1 36
T 31	8n54	14n48	1s49	8n20	1n30	19n53	1s33	19s25	1s25	8n4	1s32	17s55	1n51	13s19	0n25	19s25	1n36

Julian Day Number = 2381995.5, Delta T = 15.17 sec
 Ecliptic obliquity = 23°27'42, Nutation = 0°00'09, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°04'53, Lahiri = 21°11'54

ASTRODIENST EPHEMERIS for the year 1809

geocentric

SEPTEMBER 1809

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 38 57	8 ^h 5'01	27 ^h 36	14 ^h 10	24 ^h 37	21 ^h 47	24 ^h 26	27 ^h 57	6 ^h 34	4 ^h 9	14 ^h 56	25 ^h 8	26 ^h 19	18 ^h 36	12 ^h 19	F 1
S 2	22 42 54	9° 3'10	9 ^h 29	15° 59	25° 43	22° 25	24 ^h 23	28° 0	6° 36	4° 10	14 ^h 55	25° 8	26° 16	18° 43	12 ^h 17	S 2
S 3	22 46 50	10° 1'20	21° 20	17° 48	26° 50	23° 4	24° 19	28° 3	6° 39	4° 10	14° 54	25° 7	26° 13	18° 49	12° 14	S 3
M 4	22 50 47	10° 59'33	3 ^h 31	19° 35	27° 56	23° 43	24° 15	28° 6	6° 41	4° 11	14° 52	25° 5	26° 10	18° 56	12° 11	M 4
T 5	22 54 43	11° 57'47	15° 15	21° 21	29° 3	24° 22	24° 11	28° 9	6° 44	4° 12	14° 51	25° 0	26° 7	19° 3	12° 8	T 5
W 6	22 58 40	12° 56'04	27° 28	23° 6	0 ^h 10	25° 1	24° 7	28° 13	6° 46	4° 12	14° 50	24° 55	26° 3	19° 10	12° 6	W 6
T 7	23 2 36	13° 54'22	9 ^h 55	24° 49	1° 17	25° 41	24° 3	28° 16	6° 49	4° 13	14° 49	24° 48	26° 0	19° 16	12° 3	T 7
F 8	23 6 33	14° 52'42	22° 39	26° 32	2° 25	26° 20	23° 58	28° 20	6° 52	4° 14	14° 47	24° 41	25° 57	19° 23	12° 1	F 8
S 9	23 10 30	15° 51'05	5 ^h 19	28° 13	3° 32	27° 0	23° 53	28° 23	6° 54	4° 14	14° 46	24° 34	25° 54	19° 30	11° 58	S 9
S 10	23 14 26	16° 49'29	18° 55	29° 53	4° 40	27° 40	23° 48	28° 27	6° 57	4° 15	14° 45	24° 29	25° 51	19° 36	11° 56	S 10
M 11	23 18 23	17° 47'55	2 ^h 26	1 ^h 32	5° 48	28° 19	23° 43	28° 30	7° 0	4° 16	14° 44	24° 25	25° 47	19° 43	11° 53	M 11
T 12	23 22 19	18° 46'22	16° 10	3° 10	6° 56	28° 59	23° 38	28° 34	7° 2	4° 17	14° 42	24° 23	25° 44	19° 50	11° 51	T 12
W 13	23 26 16	19° 44'52	0 ^h 3	4° 47	8° 4	29° 40	23° 33	28° 38	7° 5	4° 18	14° 41	24° 23	25° 41	19° 56	11° 49	W 13
T 14	23 30 12	20° 43'23	14° 4	6° 23	9° 12	0 ^h 20	23° 27	28° 42	7° 8	4° 19	14° 40	24° 24	25° 38	20° 3	11° 47	T 14
F 15	23 34 9	21° 41'56	28° 11	7° 58	10° 21	1° 0	23° 21	28° 46	7° 11	4° 20	14° 39	24° 25	25° 35	20° 10	11° 44	F 15
S 16	23 38 5	22° 40'31	12 ^h 20	9° 32	11° 30	1° 41	23° 16	28° 50	7° 14	4° 21	14° 37	24° 27	25° 32	20° 16	11° 42	S 16
S 17	23 42 2	23° 39'07	26° 32	11° 4	12° 38	2° 21	23° 10	28° 54	7° 17	4° 22	14° 36	24° 27	25° 28	20° 23	11° 40	S 17
M 18	23 45 59	24° 37'45	10 ^h 43	12° 36	13° 47	3° 2	23° 3	28° 58	7° 20	4° 23	14° 35	24° 26	25° 25	20° 30	11° 38	M 18
T 19	23 49 55	25° 36'25	24° 51	14° 7	14° 57	3° 43	22° 57	29° 3	7° 23	4° 24	14° 34	24° 24	25° 22	20° 37	11° 36	T 19
W 20	23 53 52	26° 35'06	8 ^h 55	15° 37	16° 6	4° 24	22° 51	29° 7	7° 26	4° 25	14° 33	24° 20	25° 19	20° 43	11° 34	W 20
T 21	23 57 48	27° 33'49	22° 50	17° 5	17° 15	5° 5	22° 44	29° 12	7° 29	4° 26	14° 31	24° 16	25° 16	20° 50	11° 32	T 21
F 22	0 1 45	28° 32'34	6 ^h 34	18° 33	18° 25	5° 46	22° 38	29° 16	7° 32	4° 27	14° 30	24° 12	25° 13	20° 57	11° 30	F 22
S 23	0 5 41	29° 31'20	20° 4	19° 59	19° 34	6° 28	22° 31	29° 21	7° 35	4° 28	14° 29	24° 9	25° 9	21° 3	11° 29	S 23
S 24	0 9 38	0 ^h 30'09	3 ^h 17	21° 25	20° 44	7° 9	22° 24	29° 26	7° 38	4° 29	14° 28	24° 7	25° 6	21° 10	11° 27	S 24
M 25	0 13 34	1° 28'59	16° 14	22° 49	21° 54	7° 51	22° 17	29° 30	7° 41	4° 31	14° 27	24° 5	25° 3	21° 17	11° 25	M 25
T 26	0 17 31	2° 27'52	28° 54	24° 13	23° 4	8° 33	22° 10	29° 35	7° 45	4° 32	14° 26	24° 5	25° 0	21° 23	11° 24	T 26
W 27	0 21 27	3° 26'47	11 ^h 18	25° 35	24° 15	9° 14	22° 2	29° 40	7° 48	4° 33	14° 24	24° 6	24° 57	21° 30	11° 22	W 27
T 28	0 25 24	4° 25'44	23° 28	26° 56	25° 25	9° 56	21° 55	29° 45	7° 51	4° 34	14° 23	24° 7	24° 53	21° 37	11° 20	T 28
F 29	0 29 21	5° 24'43	5 ^h 27	28° 16	26° 35	10° 38	21° 48	29° 50	7° 54	4° 36	14° 22	24° 9	24° 50	21° 44	11° 19	F 29
S 30	0 33 17	6 ^h 23'45	17 ^h 21	29° 35	27° 46	11 ^h 20	21° 40	29° 55	7° 58	4° 37	14° 21	24° 10	24° 47	21° 50	11° 18	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
F 1	8n33	16n56	2s47	7n34	1n26	19n46	1s28	19s36	1s25	8n 3	1s32	17s56	1n51	13s20	0n25	19s26	1n36	19s35	14s51	9s44	10s10	18n55	10s14	7n10	
S 2	8 11	18 19	3 37	6 47	1 22	19 39	1 24	19 46	1 26	8 2	1 32	17 56	1 50	13 20	0 25	19 26	1 36	19 36	14 51	9 44	10 9	18 55	10 15	7 10	
S 3	7 49	18 54	4 17	6 0	1 17	19 30	1 20	19 57	1 26	8 0	1 33	17 57	1 50	13 21	0 25	19 26	1 36	19 36	14 51	9 44	10 8	18 55	10 16	7 9	
M 4	7 27	18 38	4 47	5 13	1 11	19 22	1 15	20 7	1 26	7 58	1 33	17 58	1 50	13 22	0 25	19 26	1 36	19 37	14 51	9 43	10 7	18 55	10 17	7 9	
T 5	7 5	17 32	5 5	4 27	1 6	19 13	1 11	20 17	1 27	7 57	1 33	17 59	1 50	13 23	0 25	19 26	1 36	19 37	14 52	9 41	10 5	18 55	10 18	7 9	
W 6	6 43	15 38	5 9	3 40	1 0	19 3	1 7	20 27	1 27	7 55	1 33	18 0	1 49	13 24	0 25	19 26	1 36	19 38	14 52	9 39	10 4	18 55	10 19	7 8	
T 7	6 20	12 59	4 59	2 53	0 54	18 53	1 2	20 37	1 28	7 53	1 33	18 1	1 49	13 25	0 25	19 27	1 36	19 38	14 52	9 37	10 3	18 55	10 20	7 8	
F 8	5 58	9 40	4 34	2 7	0 48	18 42	0 58	20 47	1 28	7 51	1 34	18 2	1 49	13 25	0 25	19 27	1 36	19 39	14 52	9 34	10 2	18 55	10 21	7 8	
S 9	5 35	5 49	3 54	1 20	0 41	18 31	0 54	20 56	1 28	7 49	1 34	18 3	1 49	13 26	0 25	19 27	1 35	19 39	14 52	9 32	10 1	18 55	10 22	7 8	
S 10	5 12	1 37	3 1	0 34	0 35	18 19	0 49	21 6	1 29	7 48	1 34	18 4	1 49	13 27	0 25	19 27	1 35	19 40	14 52	9 30	10 0	18 55	10 23	7 7	
M 11	4 50	2s45	1 57	0s11	0 28	18 7	0 45	21 15	1 29	7 45	1 34	18 5	1 48	13 28	0 25	19 27	1 35	19 40	14 52	9 28	9 59	18 55	10 24	7 7	
T 12	4 27	7 3	0 45	0 57	0 21	17 54	0 41	21 24	1 29	7 43	1 34	18 6	1 48	13 29	0 25	19 28	1 35	19 41	14 52	9 28	9 57	18 55	10 25	7 7	
W 13	4 4	11 1	0n31	1 42	0 14	17 40	0 37	21 33	1 29	7 41	1 35	18 7	1 48	13 30	0 25	19 28	1 35	19 41	14 52	9 28	9 56	18 55	10 26	7 6	
T 14	3 41	14 24	1 46	2 26	0 7	17 27	0 33	21 42	1 30	7 39	1 35	18 8	1 48	13 31	0 25	19 28	1 35	19 42	14 52	9 28	9 55	18 55	10 27	7 6	
F 15	3 18	16 56	2 54	3 10	0s 1	17 12	0 29	21 51	1 30	7 37	1 35	18 9	1 47	13 32	0 25	19 28	1 35	19 42	14 52	9 29	9 54	18 55	10 28	7 5	
S 16	2 55	18 27	3 53	3 54	0 8	16 57	0 25	21 59	1 30	7 34	1 35	18 10	1 47	13 33	0 25	19 28	1 35	19 43	14 52	9 29	9 53	18 55	10 29	7 5	
S 17	2 31	18 48	4 37	4 38	0 16	16 42	0 20	22 8	1 31	7 32	1 35	18 11	1 47	13 34	0 25	19 29	1 35	19 43	14 52	9 29	9 52	18 55	10 30	7 5	
M 18	2 8	17 58	5 4	5 20	0 23	16 26	0 16	22 16	1 31	7 30	1 35	18 13	1 47	13 35	0 25	19 29	1 35	19 44	14 52	9 29	9 50	18 55	10 30	7 4	
T 19	1 45	16 2	5 13	6 3	0 31	16 10	0 12	22 24	1 31	7 27	1 35	18 14	1 47	13 36	0 25	19 29	1 35	19 44	14 52	9 28	9 49	18 54	10 31	7 4	
W 20	1 22	13 10	5 3	6 44	0 38	15 53	0 9	22 32	1 31	7 25	1 36	18 15	1 46	13 37	0 25	19 29	1 35	19 45	14 51	9 27	9 48	18 54	10 32	7 4	
T 21	0 58	9 35	4 35	7 25	0 46	15 36	0 5	22 40	1 31	7 22	1 36	18 16	1 46	13 38	0 25	19 30	1 35	19 45	14 51	9 25	9 47	18 54	10 33	7 3	
F 22	0 35	5 31	3 52	8 6	0 53	15 19	0 1	22 48	1 32	7 20	1 36	18 17	1 46	13 39	0 25	19 30	1 35	19 45	14 51	9 24	9 46	18 54	10 34	7 3	
S 23	0 11	1 14	2 56	8 46	1 1	15 1	0n 3	22 55	1 32	7 17	1 36	18 18	1 46	13 40	0 25	19 30	1 35	19 46	14 51	9 23	9 45	18 54	10 35	7 2	
S 24	0s12	3n 1	1 52	9 25	1 9	14 42	0 7	23 2	1 32	7 14	1 36	18 20	1 46	13 41	0 25	19 30	1 35	19 46	14 51	9 22	9 43	18 54	10 36	7 2	
M 25	0 35	7 3	0 43	10 4	1 16	14 23	0 10	23 9	1 32	7 12	1 36	18 21	1 45	13 42	0 25	19 31	1 35	19 47	14 51	9 21	9 42	18 54	10 37	7 2	
T 26	0 59	10 41	0s27	10 42	1 24	14 4	0 14	23 16	1 32	7 9	1 36	18 22	1 45	13 43	0 25	19 31	1 35	19 47	14 51	9 21	9 41	18 54	10 37	1 1	
W 27	1 22	13 45	1 34	11 19	1 31	13 44	0 18	23 23	1 33	7 6	1 36	18 23	1 45	13 44	0 25	19 31	1 35	19 47	14 51	9 21	9 40	18 54	10 38	7 1	
T 28	1 46	16 9	2 35	11 55	1 38	13 24	0 21	23 29	1 33	7 3	1 36	18 24	1 45	13 45	0 25	19 32	1 34	19 48	14 51	9 22	9 39	18 54	10 39	7 0	
F 29	2 9	17 48	3 29	12 31	1 45	13 3	0 25	23 36	1 33	7 0	1 37	18 26	1 45	13 46	0 25	19 32	1 34	19 48	14 51	9 22	9 38	18 54	10 40	7 0	
S 30	2s33	18n39	4s13	13s 5	1s52	12n42	0n28	23s42	1s33	6n58	1s37	18s27	1n45	13s47	0n24	19s32	1n34	19s48	14s51	9s23	9s36	18n54	10s41	6n59	

ASTRODIENST EPHEMERIS for the year 1809
geocentric

OCTOBER 1809

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 14	7♂22'49	29♂12	0♂52	28♂57	12♂2	21°R33	0♂0	8♂1	4♂39	14°R20	24♂11	24♂44	21♂57	11°R16	S 1
M 2	0 41 10	8°21'55	11♂6	2°8	0♂8	12°45	21°Y25	0°5	8°4	4°40	14°R19	24°R11	24°41	22°4	11°R15	M 2
T 3	0 45 7	9°21'03	23°8	3°22	1°19	13°27	21°17	0°11	8°8	4°41	14°18	24°11	24°38	22°10	11°14	T 3
W 4	0 49 3	10°20'14	5♂21	4°35	2°30	14°10	21°9	0°16	8°11	4°43	14°16	24°10	24°34	22°17	11°13	W 4
T 5	0 53 0	11°19'27	17°51	5°47	3°41	14°52	21°1	0°21	8°15	4°44	14°15	24°8	24°31	22°24	11°12	T 5
F 6	0 56 56	12°18'42	0♂40	6°56	4°52	15°35	20°53	0°27	8°18	4°46	14°14	24°7	24°28	22°30	11°11	F 6
S 7	1 0 53	13°18'00	13°49	8°4	6°4	16°18	20°46	0°32	8°22	4°47	14°13	24°5	24°25	22°37	11°10	S 7
S 8	1 4 50	14°17'20	27°20	9°9	7°15	17°1	20°37	0°38	8°25	4°49	14°12	24°4	24°22	22°44	11°9	S 8
M 9	1 8 46	15°16'42	11♂12	10°13	8°27	17°44	20°29	0°44	8°29	4°51	14°11	24°3	24°18	22°51	11°8	M 9
T 10	1 12 43	16°16'06	25°20	11°13	9°39	18°27	20°21	0°49	8°32	4°52	14°10	24°D 3	24°15	22°57	11°7	T 10
W 11	1 16 39	17°15'32	9♂41	12°12	10°51	19°10	20°13	0°55	8°36	4°54	14°9	24°3	24°12	23°4	11°7	W 11
T 12	1 20 36	18°15'00	24°10	13°7	12°2	19°53	20°5	1°1	8°39	4°56	14°8	24°4	24°9	23°11	11°6	T 12
F 13	1 24 32	19°14'30	8♂41	13°59	13°14	20°37	19°57	1°7	8°43	4°57	14°7	24°4	24°6	23°17	11°5	F 13
S 14	1 28 29	20°14'01	23°9	14°47	14°27	21°20	19°49	1°13	8°46	4°59	14°6	24°5	24°3	23°24	11°5	S 14
S 15	1 32 25	21°13'35	7♂30	15°32	15°39	22°4	19°41	1°19	8°50	5°1	14°5	24°5	23°59	23°31	11°4	S 15
M 16	1 36 22	22°13'10	21°41	16°13	16°51	22°47	19°33	1°25	8°54	5°2	14°4	24°R 5	23°56	23°37	11°4	M 16
T 17	1 40 19	23°12'47	5♂40	16°48	18°3	23°31	19°25	1°31	8°57	5°4	14°3	24°5	23°53	23°44	11°4	T 17
W 18	1 44 15	24°12'25	19°26	17°19	19°16	24°15	19°17	1°37	9°1	5°6	14°3	24°D 5	23°50	23°51	11°4	W 18
T 19	1 48 12	25°12'06	2♂57	17°44	20°28	24°59	19°9	1°43	9°5	5°8	14°2	24°5	23°47	23°58	11°3	T 19
F 20	1 52 8	26°11'48	16°15	18°2	21°41	25°43	19°1	1°49	9°8	5°10	14°1	24°5	23°44	24°4	11°3	F 20
S 21	1 56 5	27°11'31	29°19	18°14	22°54	26°27	18°53	1°55	9°12	5°12	14°0	24°5	23°40	24°11	11°D 3	S 21
S 22	2 0 1	28°11'17	12°Y10	18°R18	24°7	27°11	18°45	2°2	9°16	5°13	13°59	24°6	23°37	24°18	11°3	S 22
M 23	2 3 58	29°11'04	24°48	18°15	25°19	27°55	18°37	2°8	9°19	5°15	13°58	24°R 6	23°34	24°24	11°4	M 23
T 24	2 7 54	0♂10'54	7♂14	18°3	26°32	28°39	18°29	2°14	9°23	5°17	13°57	24°5	23°31	24°31	11°4	T 24
W 25	2 11 51	1°10'45	19°29	17°42	27°45	29°24	18°21	2°21	9°27	5°19	13°57	24°5	23°28	24°38	11°4	W 25
T 26	2 15 47	2°10'39	1♂33	17°12	28°59	0♂8	18°14	2°27	9°31	5°21	13°56	24°4	23°24	24°45	11°4	T 26
F 27	2 19 44	3°10'35	13°31	16°33	0♂12	0°53	18°6	2°34	9°34	5°23	13°55	24°3	23°21	24°51	11°5	F 27
S 28	2 23 41	4°10'32	25°23	15°44	1°25	1°37	17°59	2°40	9°38	5°25	13°54	24°1	23°18	24°58	11°5	S 28
S 29	2 27 37	5°10'32	7♂14	14°47	2°38	2°22	17°51	2°47	9°42	5°27	13°54	24°0	23°15	25°5	11°6	S 29
M 30	2 31 34	6°10'34	19°7	13°43	3°52	3°7	17°44	2°53	9°45	5°29	13°53	23°59	23°12	25°11	11°6	M 30
T 31	2 35 30	7♂10'38	1♂6	12♂32	5♂5	3♂51	17°Y37	3♂0	9♂49	5♂31	13♂52	23♂58	23♂9	25♂18	11≈7	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	2s56	18n41	4s47	13s39	1s59	12n20	0n31	23s48	1s33	6n55	1s37	18s28	1n44	13s49	0n24	19s32
M 2	3 19	17 53	5 8	14 12	2 6	11 59	0 35	23 53	1 33	6 52	1 37	18 29	1 44	13 50	0 24	19 33
T 3	3 43	16 17	5 16	14 44	2 13	11 36	0 38	23 59	1 33	6 49	1 37	18 31	1 44	13 51	0 24	19 33
W 4	4 6	13 56	5 10	15 15	2 19	11 14	0 41	24 4	1 33	6 46	1 37	18 32	1 44	13 52	0 24	19 33
T 5	4 29	10 54	4 50	15 45	2 25	10 51	0 44	24 9	1 33	6 43	1 37	18 33	1 44	13 53	0 24	19 34
F 6	4 52	7 17	4 14	16 13	2 31	10 28	0 47	24 14	1 34	6 40	1 37	18 35	1 44	13 54	0 24	19 34
S 7	5 15	3 13	3 25	16 41	2 37	10 4	0 50	24 18	1 34	6 37	1 37	18 36	1 43	13 55	0 24	19 34
S 8	5 38	1s 7	2 23	17 7	2 43	9 40	0 53	24 23	1 34	6 34	1 37	18 37	1 43	13 56	0 24	19 35
M 9	6 1	5 31	1 11	17 33	2 48	9 16	0 56	24 27	1 34	6 31	1 37	18 39	1 43	13 58	0 24	19 35
T 10	6 24	9 42	0n 7	17 56	2 52	8 52	0 59	24 31	1 34	6 28	1 37	18 40	1 43	13 59	0 24	19 35
W 11	6 47	13 22	1 26	18 19	2 57	8 27	1 1	24 35	1 34	6 25	1 37	18 41	1 43	14 0	0 24	19 36
T 12	7 10	16 15	2 40	18 39	3 0	8 2	1 4	24 38	1 34	6 22	1 37	18 43	1 43	14 1	0 24	19 36
F 13	7 32	18 6	3 43	18 58	3 4	7 37	1 6	24 41	1 34	6 19	1 37	18 44	1 42	14 2	0 24	19 36
S 14	7 55	18 45	4 32	19 16	3 7	7 11	1 9	24 44	1 34	6 16	1 37	18 45	1 42	14 3	0 24	19 37
S 15	8 17	18 11	5 4	19 31	3 9	6 45	1 11	24 47	1 34	6 13	1 37	18 47	1 42	14 4	0 24	19 37
M 16	8 40	16 29	5 17	19 44	3 10	6 19	1 13	24 49	1 34	6 10	1 37	18 48	1 42	14 6	0 24	19 37
T 17	9 2	13 51	5 11	19 55	3 11	5 53	1 16	24 52	1 34	6 7	1 37	18 49	1 42	14 7	0 24	19 38
W 18	9 24	10 28	4 47	20 4	3 11	5 27	1 18	24 54	1 34	6 4	1 37	18 51	1 42	14 8	0 24	19 38
T 19	9 46	6 35	4 7	20 10	3 10	5 0	1 20	24 55	1 34	6 1	1 36	18 52	1 41	14 9	0 24	19 38
F 20	10 7	2 26	3 15	20 14	3 8	4 33	1 22	24 57	1 33	5 58	1 36	18 53	1 41	14 10	0 24	19 39
S 21	10 29	1n46	2 13	20 14	3 5	4 6	1 24	24 58	1 33	5 55	1 36	18 55	1 41	14 12	0 24	19 39
S 22	10 50	5 49	1 6	20 11	3 0	3 39	1 25	24 59	1 33	5 52	1 36	18 56	1 41	14 13	0 24	19 40
M 23	11 12	9 33	0s 4	20 4	2 54	3 12	1 27	25 0	1 33	5 49	1 36	18 58	1 41	14 14	0 24	19 40
T 24	11 33	12 48	1 12	19 54	2 47	2 44	1 29	25 0	1 33	5 46	1 36	18 59	1 41	14 15	0 24	19 40
W 25	11 54	15 26	2 16	19 40	2 38	2 16	1 30	25 1	1 33	5 43	1 36	19 0	1 41	14 16	0 24	19 41
T 26	12 14	17 20	3 13	19 21	2 28	1 49	1 32	25 1	1 33	5 41	1 36	19 2	1 41	14 17	0 24	19 41
F 27	12 35	18 27	4 1	18 58	2 16	1 21	1 33	25 0	1 33	5 38	1 36	19 3	1 40	14 19	0 24	19 41
S 28	12 55	18 45	4 38	18 30	2 1	0 53	1 35	25 0	1 33	5 35	1 35	19 4	1 40	14 20	0 24	19 42
S 29	13 16	18 13	5 3	17 58	1 46	0 25	1 36	24 59	1 32	5 33	1 35	19 6	1 40	14 21	0 24	19 42
M 30	13 36	16 54	5 15	17 23	1 28	0s 3	1 37	24 58	1 32	5 30	1 35	19 7	1 40	14 22	0 24	19 43
T 31	13s55	14n49	5s14	16s43	1s10	0s31	1n38	24s56	1s32	5n27	1s35	19s 9	1n40	14s23	0n24	19s43

Julian Day Number = 2382056.5, Delta T = 15.16 sec
Ecliptic obliquity = 23°27'43, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°05'02, Lahiri = 21°12'02

ASTRODIENST EPHEMERIS for the year 1809
geocentric

NOVEMBER 1809

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 39 27	8♍10'44	13♏17	11°R16	6♌19	4♌36	17°R29	3♌7	9♍53	5♌33	13°R52	23°D58	23♌5	25♏25	11°≈8	W 1
T 2	2 43 23	9°10'53	25°43	9♍58	7°32	5°21	17°V22	3°13	9°57	5°35	13°K51	23♌59	23°2	25°31	11°8	T 2
F 3	2 47 20	10°11'03	8♏29	8°39	8°46	6°6	17°16	3°20	10°0	5°37	13°51	24°0	22°59	25°38	11°9	F 3
S 4	2 51 16	11°11'15	21°38	7°23	10°0	6°51	17°9	3°27	10°4	5°39	13°50	24°1	22°56	25°45	11°10	S 4
S 5	2 55 13	12°11'30	5♌13	6°12	11°13	7°36	17°2	3°33	10°8	5°42	13°49	24°2	22°53	25°52	11°11	S 5
M 6	2 59 10	13°11'46	19°13	5°8	12°27	8°21	16°56	3°40	10°12	5°44	13°49	24°R3	22°49	25°58	11°12	M 6
T 7	3 3 6	14°12'04	3♍38	4°13	13°41	9°7	16°49	3°47	10°15	5°46	13°48	24°3	22°46	26°5	11°13	T 7
W 8	3 7 3	15°12'25	18°21	3°28	14°55	9°52	16°43	3°54	10°19	5°48	13°48	24°2	22°43	26°12	11°14	W 8
T 9	3 10 59	16°12'46	3♌16	2°54	16°9	10°37	16°37	4°1	10°23	5°50	13°47	23°59	22°40	26°18	11°16	T 9
F 10	3 14 56	17°13'10	18°15	2°32	17°23	11°23	16°31	4°8	10°27	5°52	13°47	23°56	22°37	26°25	11°17	F 10
S 11	3 18 52	18°13'35	3♌9	2°D22	18°37	12°8	16°25	4°15	10°30	5°54	13°47	23°53	22°34	26°32	11°18	S 11
S 12	3 22 49	19°14'01	17°50	2°23	19°51	12°54	16°20	4°22	10°34	5°57	13°46	23°50	22°30	26°39	11°20	S 12
M13	3 26 45	20°14'29	2♌13	2°35	21°6	13°39	16°14	4°29	10°38	5°59	13°46	23°48	22°27	26°45	11°21	M13
T 14	3 30 42	21°14'58	16°14	2°57	22°20	14°25	16°9	4°36	10°42	6°1	13°45	23°D47	22°24	26°52	11°23	T 14
W15	3 34 39	22°15'29	29°54	3°28	23°34	15°11	16°4	4°43	10°45	6°3	13°45	23°47	22°21	26°59	11°25	W15
T 16	3 38 35	23°16'00	13♌14	4°7	24°48	15°57	15°59	4°50	10°49	6°5	13°45	23°48	22°18	27°5	11°26	T 16
F 17	3 42 32	24°16'33	26°14	4°54	26°3	16°42	15°54	4°57	10°53	6°8	13°45	23°49	22°15	27°12	11°28	F 17
S 18	3 46 28	25°17'07	8♏59	5°47	27°17	17°28	15°49	5°4	10°56	6°10	13°44	23°51	22°11	27°19	11°30	S 18
S 19	3 50 25	26°17'42	21°30	6°46	28°31	18°14	15°45	5°11	11°0	6°12	13°44	23°R52	22°8	27°26	11°32	S 19
M20	3 54 21	27°18'18	3♌50	7°50	29°46	19°0	15°41	5°18	11°4	6°14	13°44	23°51	22°5	27°32	11°34	M20
T 21	3 58 18	28°18'56	16°1	8°58	1♍0	19°46	15°37	5°25	11°7	6°16	13°44	23°49	22°2	27°39	11°36	T 21
W22	4 2 14	29°19'36	28°5	10°10	2°15	20°32	15°33	5°32	11°11	6°19	13°44	23°45	21°59	27°46	11°38	W22
T 23	4 6 11	0♌20'16	10♏3	11°25	3°29	21°18	15°29	5°39	11°15	6°21	13°43	23°39	21°55	27°52	11°40	T 23
F 24	4 10 8	1°20'59	21°57	12°43	4°44	22°4	15°26	5°46	11°18	6°23	13°43	23°32	21°52	27°59	11°42	F 24
S 25	4 14 4	2°21'42	3♌49	14°4	5°59	22°50	15°22	5°53	11°22	6°26	13°43	23°25	21°49	28°6	11°44	S 25
S 26	4 18 1	3°22'27	15°40	15°26	7°13	23°36	15°19	6°0	11°25	6°28	13°43	23°17	21°46	28°12	11°47	S 26
M27	4 21 57	4°23'13	27°34	16°50	8°28	24°23	15°16	6°7	11°29	6°30	13°43	23°11	21°43	28°19	11°49	M27
T 28	4 25 54	5°24'01	9♏32	18°15	9°43	25°9	15°14	6°15	11°32	6°32	13°D43	23°5	21°40	28°26	11°51	T 28
W29	4 29 50	6°24'50	21°40	19°42	10°58	25°55	15°11	6°22	11°36	6°35	13°43	23°2	21°36	28°33	11°54	W29
T 30	4 33 47	7♌25'41	4♏1	21♍9	12♍12	26♌41	15°V9	6♌29	11♍39	6♌37	13°K43	23°D1	21♌33	28♏39	11°≈56	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
W 1	14s15	12n 4	4s59	16s 1	0s50	1s 0	1n39	24s55	1s32	5n25	1s35	19s10	1n40	14s25	0n24	19s43	1n33	19s54	14s45	9s18	8s59	18n50	10s58	6n44	
T 2	14 34	8 44	4 29	15 17	0 30	1 28	1 40	24 53	1 32	5 22	1 35	19 11	1 40	14 26	0 24	19 44	1 33	19 54	14 44	9 19	8 58	18 49	10 58	6 44	
F 3	14 53	4 54	3 46	14 32	0 9	1 56	1 41	24 51	1 32	5 20	1 34	19 13	1 40	14 27	0 24	19 44	1 33	19 54	14 44	9 19	8 57	18 49	10 58	6 43	
S 4	15 12	0 43	2 50	13 48	0n12	2 24	1 41	24 48	1 31	5 17	1 34	19 14	1 39	14 28	0 24	19 45	1 33	19 54	14 44	9 20	8 55	18 49	10 59	6 43	
S 5	15 31	3s38	1 42	13 6	0 31	2 53	1 42	24 46	1 31	5 15	1 34	19 15	1 39	14 29	0 24	19 45	1 33	19 54	14 44	9 20	8 54	18 49	10 59	6 42	
M 6	15 49	7 57	0 27	12 27	0 50	3 21	1 43	24 43	1 31	5 13	1 34	19 17	1 39	14 31	0 24	19 45	1 33	19 54	14 43	9 20	8 53	18 49	10 59	6 42	
T 7	16 7	11 55	0n53	11 52	1 8	3 49	1 43	24 39	1 31	5 10	1 34	19 18	1 39	14 32	0 24	19 46	1 33	19 54	14 43	9 20	8 52	18 48	10 59	6 41	
W 8	16 25	15 13	2 10	11 22	1 24	4 18	1 43	24 36	1 31	5 8	1 33	19 20	1 39	14 33	0 24	19 46	1 33	19 54	14 43	9 20	8 51	18 48	10 59	6 41	
T 9	16 42	17 34	3 19	10 58	1 38	4 46	1 44	24 32	1 30	5 6	1 33	19 21	1 39	14 34	0 24	19 46	1 33	19 54	14 42	9 19	8 50	18 48	10 59	6 40	
F 10	16 59	18 42	4 16	10 39	1 50	5 14	1 44	24 28	1 30	5 4	1 33	19 22	1 39	14 35	0 24	19 47	1 33	19 54	14 42	9 18	8 48	18 48	11 0	6 40	
S 11	17 16	18 32	4 54	10 26	2 0	5 42	1 44	24 24	1 30	5 2	1 33	19 24	1 39	14 36	0 24	19 47	1 33	19 54	14 42	9 17	8 47	18 48	11 0	6 39	
S 12	17 33	17 7	5 12	10 19	2 8	6 10	1 44	24 19	1 29	5 0	1 33	19 25	1 39	14 38	0 24	19 48	1 33	19 54	14 42	9 15	8 46	18 47	11 0	6 39	
M13	17 49	14 38	5 11	10 17	2 14	6 38	1 44	24 14	1 29	4 58	1 32	19 26	1 39	14 39	0 24	19 48	1 33	19 54	14 41	9 15	8 45	18 47	11 0	6 38	
T 14	18 5	11 22	4 50	10 20	2 19	7 5	1 44	24 9	1 29	4 56	1 32	19 28	1 39	14 40	0 24	19 48	1 33	19 54	14 41	9 14	8 44	18 47	11 0	6 38	
W15	18 21	7 33	4 14	10 27	2 22	7 33	1 44	24 4	1 29	4 55	1 32	19 29	1 38	14 41	0 24	19 49	1 33	19 53	14 41	9 14	8 42	18 47	11 0	6 38	
T 16	18 36	3 27	3 25	10 39	2 24	8 0	1 44	23 58	1 28	4 53	1 32	19 30	1 38	14 42	0 24	19 49	1 33	19 53	14 40	9 15	8 41	18 46	11 0	6 37	
F 17	18 51	0n44	2 26	10 54	2 24	8 28	1 43	23 52	1 28	4 51	1 31	19 32	1 38	14 43	0 24	19 50	1 33	19 53	14 40	9 15	8 40	18 46	11 0	6 37	
S 18	19 6	4 48	1 21	11 12	2 23	8 55	1 43	23 46	1 28	4 50	1 31	19 33	1 38	14 45	0 24	19 50	1 33	19 53	14 40	9 16	8 39	18 46	11 0	6 36	
S 19	19 21	8 35	0 13	11 33	2 22	9 22	1 42	23 40	1 27	4 48	1 31	19 34	1 38	14 46	0 24	19 50	1 33	19 53	14 40	9 16	8 38	18 46	11 0	6 36	
M20	19 35	11 57	0s54	11 56	2 19	9 49	1 42	23 33	1 27	4 47	1 31	19 36	1 38	14 47	0 24	19 51	1 33	19 52	14 39	9 16	8 37	18 45	11 0	6 35	
T 21	19 48	14 46	1 58	12 21	2 16	10 15	1 41	23 26	1 27	4 46	1 30	19 37	1 38	14 48	0 24	19 51	1 33	19 52	14 39	9 15	8 35	18 45	10 59	6 35	
W22	20 2	16 54	2 56	12 48	2 12	10 41	1 41	23 19	1 26	4 44	1 30	19 38	1 38	14 49	0 24	19 52	1 33	19 52	14 39	9 14	8 34	18 45	10 59	6 34	
T 23	20 14	18 16	3 45	13 15	2 7	11 8	1 40	23 11	1 26	4 43	1 30	19 40	1 38	14 50	0 24	19 52	1 33	19 52	14 38	9 12	8 33	18 45	10 59	6 34	
F 24	20 27	18 49	4 24	13 44	2 2	11 33	1 39	23 4	1 26	4 42	1 29	19 41	1 38	14 51	0 24	19 52	1 33	19 52	14 38	9 9	8 32	18 44	10 59	6 33	
S 25	20 39	18 33	4 52	14 13	1 57	11 59	1 38	22 56	1 25	4 41	1 29	19 42	1 38	14 52	0 24	19 53	1 33	19 51	14 38	9 6	8 31	18 44	10 59	6 33	
S 26	20 51	17 28	5 7	14 42	1 51	12 24	1 37	22 47	1 25	4 40	1 29	19 44	1 38	14 54	0 24	19 53	1 33	19 51	14 37	9 3	8 29	18 44	10 59	6 33	
M27	21 2	15 38	5 8	15 12	1 45	12 49	1 36	22 39	1 25	4 39	1 29	19 45	1 38	14 55	0 24	19 54	1 33	19 51	14 37	9 1	8 28	18 44	10 58	6 32	
T 28	21 13	13 7	4 57	15 42	1 38	13 14	1 35	22 30	1 24	4 39	1 28	19 46	1 38	14 56	0 24	19 54	1 33	19 51	14 37	8 59	8 27	18 43	10 58	6 32	
W29	21 24	10 0	4 32	16 12	1 32	13 39	1 34	22 21	1 24	4 38	1 28	19 47	1 38	14 57	0 24	19 54	1 33	19 50	14 36	8 58	8 26	18 43	10 58	6 31	
T 30	21s34	6n25	3s54	16s42	1n25	14s 3	1n32	22s12	1s23	4n37	1s28	19s49	1n38	14s58	0n24	19s55	1n33	19s50	14s36	8s57	8s25	18n43	10s58	6n31	

ASTRODIENST EPHEMERIS for the year 1809
geocentric

DECEMBER 1809

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 37 43	8♂26'33	16♂40	22♂38	13♂27	27♂28	15°R 7	6♂36	11♂43	6♂39	13♂43	23♂1	21♂30	28♂46	11♂59	F 1
S 2	4 41 40	9°27'26	29°41	24° 7	14°42	28°14	15°Y 5	6°43	11°46	6°41	13°43	23° 2	21°27	28°53	12° 2	S 2
S 3	4 45 37	10°28'21	13♂ 9	25°36	15°57	29° 1	15° 3	6°50	11°50	6°44	13°43	23° 3	21°24	28°59	12° 4	S 3
M 4	4 49 33	11°29'17	27° 4	27° 7	17°12	29°47	15° 2	6°57	11°53	6°46	13°44	23°R 4	21°21	29° 6	12° 7	M 4
T 5	4 53 30	12°30'14	11♂29	28°37	18°27	0♂34	15° 1	7° 4	11°56	6°48	13°44	23° 2	21°17	29°13	12°10	T 5
W 6	4 57 26	13°31'13	26°18	0♂ 8	19°42	1°20	14°59	7°11	12° 0	6°50	13°44	22°59	21°14	29°20	12°13	W 6
T 7	5 1 23	14°32'13	11♂27	1°40	20°57	2° 7	14°59	7°18	12° 3	6°53	13°44	22°52	21°11	29°26	12°16	T 7
F 8	5 5 19	15°33'13	26°44	3°11	22°12	2°53	14°58	7°26	12° 6	6°55	13°44	22°45	21° 8	29°33	12°19	F 8
S 9	5 9 16	16°34'15	12♂ 0	4°43	23°27	3°40	14°58	7°33	12°10	6°57	13°45	22°36	21° 5	29°40	12°22	S 9
S 10	5 13 12	17°35'17	27° 2	6°15	24°42	4°26	14°D57	7°40	12°13	6°59	13°45	22°28	21° 1	29°46	12°25	S 10
M 11	5 17 9	18°36'19	11♂44	7°47	25°57	5°13	14°57	7°47	12°16	7° 2	13°45	22°21	20°58	29°53	12°28	M 11
T 12	5 21 6	19°37'22	25°58	9°20	27°12	6° 0	14°58	7°54	12°19	7° 4	13°46	22°16	20°55	29°59	12°31	T 12
W 13	5 25 2	20°38'26	9♂45	10°52	28°27	6°46	14°58	8° 1	12°22	7° 6	13°46	22°13	20°52	0♂ 7	12°34	W 13
T 14	5 28 59	21°39'30	23° 4	12°25	29°42	7°33	14°59	8° 8	12°26	7° 8	13°46	22°D13	20°49	0°13	12°37	T 14
F 15	5 32 55	22°40'34	5°Y59	13°58	0♂57	8°20	14°59	8°15	12°29	7°10	13°47	22°13	20°46	0°20	12°41	F 15
S 16	5 36 52	23°41'38	18°35	15°31	2°12	9° 7	15° 1	8°22	12°32	7°13	13°47	22°R14	20°42	0°27	12°44	S 16
S 17	5 40 48	24°42'43	0♂54	17° 4	3°27	9°53	15° 2	8°29	12°35	7°15	13°48	22°14	20°39	0°33	12°47	S 17
M 18	5 44 45	25°43'49	13° 2	18°37	4°42	10°40	15° 3	8°36	12°38	7°17	13°48	22°11	20°36	0°40	12°51	M 18
T 19	5 48 41	26°44'54	25° 3	20°11	5°58	11°27	15° 5	8°42	12°41	7°19	13°49	22° 6	20°33	0°47	12°54	T 19
W 20	5 52 38	27°46'00	6♂58	21°44	7°13	12°14	15° 7	8°49	12°44	7°21	13°49	21°59	20°30	0°54	12°58	W 20
T 21	5 56 35	28°47'06	18°51	23°18	8°28	13° 1	15° 9	8°56	12°47	7°23	13°50	21°48	20°27	1° 0	13° 1	T 21
F 22	6 0 31	29°48'13	0♂43	24°52	9°43	13°47	15°11	9° 3	12°49	7°26	13°50	21°35	20°23	1° 7	13° 5	F 22
S 23	6 4 28	0♂49'20	12°36	26°27	10°58	14°34	15°14	9°10	12°52	7°28	13°51	21°22	20°20	1°14	13° 9	S 23
S 24	6 8 24	1°50'28	24°30	28° 1	12°13	15°21	15°16	9°17	12°55	7°30	13°51	21° 8	20°17	1°20	13°12	S 24
M 25	6 12 21	2°51'35	6♂28	29°36	13°29	16° 8	15°19	9°23	12°58	7°32	13°52	20°55	20°14	1°27	13°16	M 25
T 26	6 16 17	3°52'44	18°31	1♂11	14°44	16°55	15°22	9°30	13° 1	7°34	13°53	20°45	20°11	1°34	13°20	T 26
W 27	6 20 14	4°53'52	0♂41	2°46	15°59	17°42	15°26	9°37	13° 3	7°36	13°53	20°37	20° 7	1°41	13°24	W 27
T 28	6 24 11	5°55'01	13° 2	4°22	17°14	18°28	15°29	9°43	13° 6	7°38	13°54	20°32	20° 4	1°47	13°27	T 28
F 29	6 28 7	6°56'10	25°38	5°58	18°30	19°15	15°33	9°50	13° 8	7°40	13°55	20°30	20° 1	1°54	13°31	F 29
S 30	6 32 4	7°57'20	8♂32	7°34	19°45	20° 2	15°37	9°57	13°11	7°42	13°56	20°D30	19°58	2° 1	13°35	S 30
S 31	6 36 0	8♂58'30	21♂50	9♂10	21♂ 0	20♂49	15°Y41	10♂ 3	13♂14	7♂44	13♂56	20°R30	19♂55	2♂ 7	13♂39	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	21s44	2n27	3s 4	17s11	1n18	14s27	1n31	22s 3	1s23	4n37	1s27	19s50	1n37	14s59	0n24	19s55
S 2	21 53	1s45	2 3	17 40	1 11	14 50	1 30	21 53	1 23	4 36	1 27	19 51	1 37	15 0	0 24	19 55
S 3	22 2	6 1	0 53	18 9	1 4	15 13	1 28	21 43	1 22	4 36	1 27	19 52	1 37	15 1	0 24	19 56
M 4	22 11	10 6	0n22	18 37	0 57	15 36	1 27	21 33	1 22	4 36	1 26	19 53	1 37	15 2	0 24	19 56
T 5	22 19	13 45	1 38	19 4	0 49	15 58	1 25	21 22	1 21	4 36	1 26	19 55	1 37	15 3	0 24	19 57
W 6	22 27	16 36	2 49	19 31	0 42	16 20	1 24	21 12	1 21	4 35	1 26	19 56	1 37	15 4	0 24	19 57
T 7	22 34	18 23	3 50	19 57	0 35	16 41	1 22	21 1	1 20	4 35	1 26	19 57	1 37	15 5	0 24	19 57
F 8	22 41	18 50	4 35	20 22	0 28	17 3	1 20	20 50	1 20	4 35	1 25	19 58	1 37	15 6	0 24	19 58
S 9	22 47	17 56	5 1	20 46	0 20	17 23	1 18	20 38	1 19	4 36	1 25	19 59	1 37	15 7	0 24	19 58
S 10	22 53	15 47	5 5	21 9	0 13	17 43	1 17	20 27	1 19	4 36	1 25	20 1	1 37	15 8	0 24	19 58
M 11	22 58	12 40	4 49	21 32	0 6	18 3	1 15	20 15	1 18	4 36	1 24	20 2	1 37	15 9	0 24	19 59
T 12	23 3	8 52	4 15	21 53	0s 1	18 22	1 13	20 3	1 18	4 36	1 24	20 3	1 37	15 10	0 24	19 59
W 13	23 8	4 43	3 27	22 14	0 8	18 41	1 11	19 51	1 17	4 37	1 24	20 4	1 37	15 11	0 24	20 0
T 14	23 12	0 28	2 29	22 33	0 15	18 59	1 9	19 38	1 17	4 37	1 23	20 5	1 37	15 12	0 24	20 0
F 15	23 16	3n42	1 26	22 51	0 22	19 17	1 7	19 26	1 16	4 38	1 23	20 6	1 37	15 13	0 24	20 0
S 16	23 19	7 35	0 20	23 8	0 28	19 34	1 5	19 13	1 16	4 39	1 23	20 7	1 37	15 14	0 24	20 1
S 17	23 21	11 5	0s46	23 24	0 35	19 50	1 3	19 0	1 15	4 40	1 22	20 8	1 37	15 15	0 24	20 1
M 18	23 24	14 2	1 49	23 39	0 41	20 6	1 0	18 47	1 15	4 40	1 22	20 10	1 37	15 16	0 24	20 1
T 19	23 25	16 22	2 45	23 53	0 47	20 22	0 58	18 33	1 14	4 41	1 22	20 11	1 37	15 17	0 24	20 2
W 20	23 27	17 58	3 34	24 5	0 53	20 37	0 56	18 20	1 14	4 42	1 21	20 12	1 37	15 17	0 24	20 2
T 21	23 27	18 47	4 14	24 17	0 59	20 51	0 54	18 6	1 13	4 43	1 21	20 13	1 37	15 18	0 24	20 2
F 22	23 28	18 46	4 42	24 27	1 5	21 5	0 51	17 52	1 13	4 45	1 21	20 14	1 37	15 19	0 24	20 3
S 23	23 28	17 55	4 58	24 35	1 10	21 18	0 49	17 38	1 12	4 46	1 21	20 15	1 37	15 20	0 24	20 3
S 24	23 27	16 18	5 1	24 43	1 16	21 30	0 47	17 23	1 12	4 47	1 20	20 16	1 37	15 21	0 24	20 3
M 25	23 26	13 59	4 50	24 49	1 21	21 42	0 44	17 9	1 11	4 49	1 20	20 17	1 37	15 22	0 24	20 4
T 26	23 24	11 3	4 27	24 53	1 26	21 53	0 42	16 54	1 10	4 50	1 20	20 18	1 37	15 23	0 24	20 4
W 27	23 22	7 38	3 51	24 57	1 31	22 4	0 40	16 39	1 10	4 52	1 19	20 19	1 37	15 23	0 24	20 4
T 28	23 20	3 50	3 4	24 58	1 35	22 14	0 37	16 24	1 9	4 53	1 19	20 20	1 37	15 24	0 24	20 5
F 29	23 17	0s13	2 8	24 59	1 39	22 23	0 35	16 9	1 9	4 55	1 19	20 21	1 37	15 25	0 24	20 5
S 30	23 13	4 21	1 3	24 58	1 43	22 32	0 32	15 54	1 8	4 57	1 18	20 22	1 37	15 26	0 24	20 5
S 31	23s 9	8s24	0n 7	24s55	1s47	22s40	0n30	15s38	1s 8	4n58	1s18	20s23	1n37	15s26	0n24	20s 5

Julian Day Number = 2382117.5, Delta T = 15.16 sec
Ecliptic obliquity = 23°27'41, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°05'10, Lahiri = 21°12'11