



Astrodienst Ephemeris Tables for the year 1837

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 1837
geocentric

JANUARY 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 41 45	10°32'38	20°24	19°35'4	7°4 4	26°R52	16°R53	14°M42	1°K43	4°446	13°V51	8°S50	7°B37	20°S54	10°R37	S 1
M 2	6 45 41	11°27'48	3°M40	21°32	8°18	26°M49	16°M48	14°47	1°46	4°48	13°52	8°R50	7°34	21°1	10°II34	M 2
T 3	6 49 38	12°28'59	17°24	23°10	9°32	26°44	16°42	14°52	1°48	4°50	13°52	8°50	7°31	21°8	10°32	T 3
W 4	6 53 34	13°30'10	1°38	24°48	10°46	26°39	16°37	14°57	1°51	4°53	13°52	8°48	7°28	21°15	10°29	W 4
T 5	6 57 31	14°31'21	16°19	26°26	12°0	26°33	16°31	15°2	1°53	4°55	13°52	8°43	7°25	21°21	10°26	T 5
F 6	7 1 27	15°32'32	1°323	28°4	13°14	26°26	16°25	15°7	1°56	4°57	13°52	8°36	7°22	21°28	10°23	F 6
S 7	7 5 24	16°33'43	16°42	29°42	14°28	26°19	16°19	15°11	1°59	4°59	13°52	8°26	7°18	21°35	10°20	S 7
S 8	7 9 21	17°34'54	2°3	1°19	15°42	26°10	16°13	15°16	2°1	5°1	13°53	8°16	7°15	21°41	10°18	S 8
M 9	7 13 17	18°36'04	17°15	2°56	16°56	26°1	16°7	15°20	2°4	5°3	13°53	8°5	7°12	21°48	10°15	M 9
T 10	7 17 14	19°37'14	2°H8	4°31	18°10	25°51	16°0	15°25	2°7	5°6	13°53	7°56	7°9	21°55	10°12	T 10
W11	7 21 10	20°38'23	16°36	6°6	19°25	25°40	15°54	15°29	2°9	5°8	13°53	7°49	7°6	22°2	10°10	W11
T 12	7 25 7	21°39'31	0°V33	7°39	20°39	25°28	15°47	15°33	2°12	5°10	13°54	7°45	7°2	22°8	10°7	T 12
F 13	7 29 3	22°40'39	14°2	9°11	21°53	25°15	15°40	15°37	2°15	5°12	13°54	7°44	6°59	22°15	10°5	F 13
S 14	7 33 0	23°41'46	27°4	10°40	23°7	25°2	15°33	15°42	2°18	5°15	13°55	7°D43	6°56	22°22	10°3	S 14
S 15	7 36 56	24°42'52	9°B43	12°7	24°21	24°48	15°26	15°46	2°21	5°17	13°55	7°R43	6°53	22°28	10°0	S 15
M16	7 40 53	25°43'57	22°5	13°31	25°36	24°33	15°19	15°49	2°24	5°19	13°55	7°43	6°50	22°35	9°58	M16
T 17	7 44 50	26°45'02	4°II14	14°51	26°50	24°18	15°12	15°53	2°27	5°21	13°56	7°40	6°47	22°42	9°56	T 17
W18	7 48 46	27°46'06	16°14	16°8	28°4	24°2	15°5	15°57	2°30	5°24	13°56	7°34	6°43	22°49	9°54	W18
T 19	7 52 43	28°47'09	28°9	17°19	29°18	23°45	14°57	16°1	2°33	5°26	13°57	7°26	6°40	22°55	9°52	T 19
F 20	7 56 39	29°48'11	10°S1	18°25	0°333	23°27	14°50	16°4	2°36	5°28	13°57	7°14	6°37	23°2	9°50	F 20
S 21	8 0 36	0°49'12	21°53	19°24	1°47	23°9	14°43	16°8	2°39	5°30	13°58	7°0	6°34	23°9	9°48	S 21
S 22	8 4 32	1°50'13	3°B46	20°16	3°1	22°50	14°35	16°11	2°42	5°33	13°58	6°45	6°31	23°16	9°46	S 22
M23	8 8 29	2°51'13	15°41	20°59	4°16	22°30	14°27	16°14	2°45	5°35	13°59	6°30	6°28	23°22	9°45	M23
T 24	8 12 26	3°52'12	27°40	21°34	5°30	22°10	14°20	16°18	2°48	5°37	13°59	6°17	6°24	23°29	9°43	T 24
W25	8 16 22	4°53'10	9°M44	21°59	6°45	21°50	14°12	16°21	2°51	5°40	14°0	6°5	6°21	23°36	9°41	W25
T 26	8 20 19	5°54'07	21°55	22°14	7°59	21°29	14°4	16°24	2°54	5°42	14°1	5°56	6°18	23°42	9°40	T 26
F 27	8 24 15	6°55'04	4°A15	22°R17	9°13	21°7	13°56	16°27	2°57	5°44	14°1	5°51	6°15	23°49	9°38	F 27
S 28	8 28 12	7°55'59	16°48	22°10	10°28	20°45	13°48	16°30	3°1	5°46	14°2	5°48	6°12	23°56	9°37	S 28
S 29	8 32 8	8°56'54	29°37	21°51	11°42	20°23	13°40	16°32	3°4	5°49	14°3	5°47	6°8	24°3	9°36	S 29
M30	8 36 5	9°57'49	12°M47	21°21	12°57	20°0	13°32	16°35	3°7	5°51	14°3	5°47	6°5	24°9	9°34	M30
T 31	8 40 1	10°58'43	26°M20	20°40	14°311	19°M37	13°M24	16°M38	3°K10	5°53	14°V4	5°B46	6°B2	24°S16	9°II33	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	23s 3	6s29	1n37	24s 7	2s 9	19s57	1n35	15n58	3n37	16n34	0n49	14s 6	2n15	11s34	0s44	18s58	0n 8	10s20	17s 9	14n27	14n 4	26n42	16n52	5s15
M 2	22 58	12 19	0 28	23 51	2 9	20 11	1 33	16 2	3 40	16 36	0 49	14 8	2 16	11 33	0 44	18 57	0 8	10 20	17 9	14 28	14 3	26 41	16 52	5 15
T 3	22 53	17 46	0s45	23 34	2 8	20 25	1 30	16 5	3 42	16 38	0 50	14 9	2 16	11 32	0 44	18 57	0 8	10 19	17 8	14 28	14 2	26 41	16 52	5 14
W 4	22 47	22 26	1 58	23 16	2 7	20 38	1 28	16 9	3 45	16 40	0 50	14 10	2 16	11 31	0 44	18 56	0 8	10 19	17 8	14 27	14 1	26 40	16 51	5 14
T 5	22 40	25 50	3 5	22 56	2 5	20 50	1 26	16 14	3 47	16 42	0 50	14 12	2 16	11 30	0 44	18 56	0 8	10 19	17 8	14 25	14 0	26 39	16 51	5 14
F 6	22 33	27 28	4 1	22 34	2 3	21 2	1 23	16 18	3 49	16 44	0 50	14 13	2 16	11 29	0 44	18 55	0 8	10 18	17 7	14 23	13 59	26 38	16 51	5 14
S 7	22 26	27 3	4 41	22 11	2 0	21 13	1 21	16 23	3 51	16 46	0 50	14 14	2 16	11 28	0 44	18 55	0 8	10 18	17 7	14 20	13 58	26 37	16 50	5 14
S 8	22 18	24 35	5 0	21 47	1 56	21 24	1 19	16 28	3 54	16 48	0 51	14 15	2 17	11 27	0 44	18 54	0 8	10 17	17 7	14 16	13 57	26 36	16 50	5 14
M 9	22 10	20 24	4 58	21 21	1 52	21 34	1 16	16 33	3 56	16 50	0 51	14 16	2 17	11 26	0 44	18 54	0 8	10 17	17 6	14 13	13 56	26 35	16 50	5 14
T 10	22 2	15 0	4 36	20 53	1 47	21 43	1 14	16 39	3 58	16 52	0 51	14 17	2 17	11 25	0 44	18 53	0 8	10 17	17 6	14 10	13 55	26 35	16 50	5 13
W11	21 53	8 55	3 56	20 25	1 42	21 52	1 11	16 45	4 0	16 54	0 51	14 18	2 17	11 24	0 44	18 52	0 8	10 16	17 6	14 8	13 54	26 34	16 50	5 13
T 12	21 43	2 35	3 3	19 55	1 36	22 0	1 8	16 51	4 3	16 56	0 51	14 19	2 17	11 23	0 44	18 52	0 8	10 16	17 5	14 7	13 53	26 33	16 49	5 13
F 13	21 33	3n40	2 2	19 24	1 28	22 7	1 6	16 57	4 5	16 58	0 52	14 20	2 17	11 22	0 44	18 51	0 8	10 15	17 5	14 6	13 52	26 32	16 49	5 13
S 14	21 23	9 34	0 56	18 52	1 20	22 14	1 3	17 4	4 7	17 1	0 52	14 21	2 18	11 21	0 44	18 51	0 8	10 15	17 4	14 6	13 51	26 31	16 49	5 13
S 15	21 12	14 54	0n11	18 19	1 12	22 20	1 0	17 10	4 9	17 3	0 52	14 22	2 18	11 20	0 44	18 50	0 8	10 14	17 4	14 6	13 49	26 30	16 49	5 13
M16	21 1	19 31	1 15	17 46	1 2	22 26	0 58	17 17	4 11	17 5	0 52	14 23	2 18	11 19	0 44	18 50	0 8	10 14	17 4	14 6	13 48	26 29	16 49	5 12
T 17	20 50	23 14	2 15	17 13	0 51	22 30	0 55	17 24	4 13	17 7	0 52	14 24	2 18	11 18	0 44	18 49	0 8	10 13	17 3	14 5	13 47	26 28	16 49	5 12
W18	20 38	25 52	3 8	16 39	0 40	22 35	0 52	17 31	4 14	17 10	0 52	14 25	2 18	11 17	0 44	18 49	0 8	10 13	17 3	14 3	13 46	26 27	16 49	5 12
T 19	20 25	27 20	3 53	16 5	0 27	22 38	0 49	17 39	4 16	17 12	0 53	14 26	2 19	11 16	0 44	18 48	0 8	10 12	17 3	14 0	13 45	26 26	16 49	5 12
F 20	20 13	27 31	4 27	15 32	0 14	22 41	0 47	17 46	4 18	17 14	0 53	14 27	2 19	11 15	0 44	18 48	0 8	10 12	17 2	13 56	13 44	26 25	16 49	5 12
S 21	20 0	26 26	4 49	15 0	0n 1	22 43	0 44	17 54	4 20	17 17	0 53	14 28	2 19	11 14	0 44	18 47	0 8	10 11	17 2	13 52	13 43	26 24	16 49	5 11
S 22	19 46	24 10	4 59	14 30	0 16	22 45	0 41	18 2	4 21	17 19	0 53	14 28	2 19	11 12	0 44	18 47	0 8	10 11	17 2	13 47	13 42	26 23	16 48	5 11
M23	19 32	20 51	4 55	14 1	0 32	22 45	0 38	18 9	4 23	17 22	0 53	14 29	2 19	11 11	0 44	18 46	0 8	10 10	17 1	13 42	13 41	26 22	16 48	5 11
T 24	19 18	16 39	4 39	13 34	0 48	22 45	0 35	18 17	4 24	17 24	0 53	14 30	2 20	11 10	0 44	18 45	0 8	10 10	17 1	13 38	13 40	26 21	16 48	5 11
W25	19 4	11 47	4 10	13 10	1 6	22 45	0 33	18 25	4 25	17 26	0 54	14 31	2 20	11 9	0 44	18 45	0 8	10 9	17 1	13 34	13 39	26 20	16 48	5 10
T 26	18 49	6 25	3 29	12 48	1 23	22 44	0 30	18 34	4 27	17 29	0 54	14 31	2 20	11 8	0 44	18 44	0 8	10 8	17 0	13 31	13 38	26 19	16 48	5 10
F 27	18 34	0 44	2 38	12 30	1 41	22 42	0 27	18 42	4 28	17 31	0 54	14 32	2 20	11 7	0 44	18 44	0 8	10 8	17 0	13 29	13 37	26 18	16 48	5 10
S 28	18 18	5s 5	1 38	12 16	1 58	22 39	0 24	18 50	4 29	17 34	0 54	14 32	2 20	11 6	0 44	18 43	0 8	10 7	17 0	13 28	13 36	26 17	16 49	5 10
S 29	18 2	10 50	0 33	12 6	2 16	22 36	0 21	18 58	4 30	17 36	0 54	14 33	2 21	11 4	0 44	18 43	0 8	10 7	16 59	13 28	13 35	26 16	16 49	5 9
M30	17 46	16 16	0s37	12 0	2 32	22 32	0 18	19 6	4 31	17 38	0 54	14 34	2 21	11 3	0 44	18 42	0 8	10 6	16 59	13 28	13 34	26 15	16 49	5 9
T 31	17s30	21s 4	1s46	11s58	2n47	22s27	0n16	19n14	4n31	17n41	0n54	14s34	2n21	11s 2	0s44	18s42	0n 8	10s 6	16s59	13n27	13n33	26n14	16n49	5s 9

Julian Day Number = 2392010.5, Delta T = 7.93 sec
Ecliptic obliquity = 23°27'45, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°27'51, Lahiri = 21°34'52

ASTRODIENST EPHEMERIS for the year 1837

geocentric

FEBRUARY 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 43 58	11 ⁵⁹ 36	10 ²⁰ 20	19 ⁵¹ 15	15 ²⁶ 26	19 ¹³ 13	13 ¹⁶ 16	16 ⁴⁰ 16	3 ¹³ 13	5 ⁵⁵ 55	14 ⁵ 5	5 ⁴⁴ 44	5 ⁵⁹ 59	24 ²³ 23	9 ³² 32	W 1
T 2	8 47 55	13 ⁰ 28	24 ⁴⁶ 24	18 ⁵³ 18	16 ⁴⁰ 16	18 ⁵⁰ 18	13 ⁸ 13	16 ⁴² 16	3 ¹⁷ 3	5 ⁵⁸ 5	14 ⁶ 14	5 ³⁹ 39	5 ⁵⁶ 56	24 ²⁹ 24	9 ³¹ 31	T 2
F 3	8 51 51	14 ¹ 19	9 ³⁷ 9	17 ⁴⁸ 17	17 ⁵⁵ 17	18 ²⁶ 18	13 ⁰ 13	16 ⁴⁵ 16	3 ²⁰ 3	6 ⁰ 6	14 ⁶ 14	5 ³¹ 31	5 ⁵³ 53	24 ³⁶ 24	9 ³⁰ 30	F 3
S 4	8 55 48	15 ² 09	24 ⁴⁵ 24	16 ³⁹ 16	19 ⁹ 19	18 ² 18	12 ⁵² 12	16 ⁴⁷ 16	3 ²³ 3	6 ² 6	14 ⁷ 14	5 ²¹ 21	5 ⁴⁹ 49	24 ⁴³ 24	9 ²⁹ 29	S 4
S 5	8 59 44	16 ² 59	10 ² 2	15 ²⁸ 15	20 ²⁴ 20	17 ³⁸ 17	12 ⁴⁴ 12	16 ⁴⁹ 16	3 ²⁷ 3	6 ⁴ 6	14 ⁸ 14	5 ¹⁰ 10	5 ⁴⁶ 46	24 ⁵⁰ 24	9 ²⁸ 28	S 5
M 6	9 3 41	17 ³ 46	25 ¹⁶ 25	14 ¹⁶ 14	21 ³⁸ 21	17 ¹⁴ 17	12 ³⁷ 12	16 ⁵¹ 16	3 ³⁰ 3	6 ⁷ 6	14 ⁹ 14	4 ⁵⁹ 4	5 ⁴³ 43	24 ⁵⁶ 24	9 ²⁸ 28	M 6
T 7	9 7 37	18 ⁴ 33	10 ¹⁵ 10	13 ⁵ 13	22 ⁵³ 22	16 ⁵⁰ 16	12 ²⁹ 12	16 ⁵³ 16	3 ³³ 3	6 ⁹ 6	14 ¹⁰ 14	4 ⁴⁹ 4	5 ⁴⁰ 40	25 ³ 25	9 ²⁷ 27	T 7
W 8	9 11 34	19 ⁵ 18	24 ⁵¹ 24	11 ⁵⁸ 11	24 ⁷ 24	16 ²⁶ 16	12 ²¹ 12	16 ⁵⁴ 16	3 ³⁷ 3	6 ¹¹ 6	14 ¹¹ 14	4 ⁴¹ 4	5 ³⁷ 37	25 ¹⁰ 25	9 ²⁶ 26	W 8
T 9	9 15 30	20 ⁶ 01	9 ⁰ 9	10 ⁵⁵ 10	25 ²² 25	16 ² 16	12 ¹³ 12	16 ⁵⁶ 16	3 ⁴⁰ 3	6 ¹³ 6	14 ¹² 14	4 ³⁶ 4	5 ³⁴ 34	25 ¹⁶ 25	9 ²⁶ 26	T 9
F 10	9 19 27	21 ⁶ 43	22 ³⁸ 22	9 ⁵⁸ 9	26 ³⁶ 26	15 ³⁹ 15	12 ⁵ 12	16 ⁵⁸ 16	3 ⁴³ 3	6 ¹⁶ 6	14 ¹³ 14	4 ³³ 4	5 ³⁰ 30	25 ²³ 25	9 ²⁵ 25	F 10
S 11	9 23 24	22 ⁷ 23	5 ⁴⁷ 5	9 ⁸ 9	27 ⁵¹ 27	15 ¹⁵ 15	11 ⁵⁷ 11	16 ⁵⁹ 16	3 ⁴⁷ 3	6 ¹⁸ 6	14 ¹³ 14	4 ²³ 4	5 ²⁷ 27	25 ³⁰ 25	9 ²⁵ 25	S 11
S 12	9 27 20	23 ⁸ 02	18 ³¹ 18	8 ²⁵ 8	29 ⁵ 29	14 ⁵² 14	11 ⁴⁹ 11	17 ¹ 17	3 ⁵⁰ 3	6 ²⁰ 6	14 ¹⁴ 14	4 ¹³ 4	5 ²⁴ 24	25 ³⁷ 25	9 ²⁵ 25	S 12
M13	9 31 17	24 ⁸ 38	0 ⁵⁵ 0	7 ⁵⁰ 7	0 ²⁰ 0	14 ²⁹ 14	11 ⁴² 11	17 ² 17	3 ⁵⁴ 3	6 ²² 6	14 ¹⁵ 14	4 ³³ 4	5 ²¹ 21	25 ⁴³ 25	9 ²⁵ 25	M13
T 14	9 35 13	25 ⁹ 13	13 ⁴ 13	7 ²² 7	1 ³⁴ 1	14 ⁶ 14	11 ³⁴ 11	17 ³ 17	3 ⁵⁷ 3	6 ²⁴ 6	14 ¹⁶ 14	4 ³¹ 4	5 ¹⁸ 18	25 ⁵⁰ 25	9 ²⁵ 25	T 14
W15	9 39 10	26 ⁹ 47	25 ² 25	7 ³ 7	2 ⁴⁹ 2	13 ⁴⁴ 13	11 ²⁷ 11	17 ⁴ 17	4 ¹ 4	6 ²⁷ 6	14 ¹⁷ 14	4 ²⁷ 4	5 ¹⁴ 14	25 ⁵⁷ 25	9 ²⁵ 25	W15
T 16	9 43 6	27 ¹⁰ 18	6 ⁵⁴ 6	6 ⁵¹ 6	4 ³ 4	13 ²² 13	11 ¹⁹ 11	17 ⁵ 17	4 ⁴ 4	6 ²⁹ 6	14 ¹⁸ 14	4 ²¹ 4	5 ¹¹ 11	26 ⁴ 26	9 ²⁵ 25	T 16
F 17	9 47 3	28 ¹⁰ 48	18 ⁴⁵ 18	6 ⁴⁷ 6	5 ¹⁸ 5	13 ⁰ 13	11 ¹² 11	17 ⁶ 17	4 ⁷ 4	6 ³¹ 6	14 ¹⁹ 14	4 ¹² 4	5 ⁸ 5	26 ¹⁰ 26	9 ²⁵ 25	F 17
S 18	9 50 59	29 ¹¹ 16	0 ³⁶ 0	6 ⁴⁹ 6	6 ³² 6	12 ³⁹ 12	11 ⁵ 11	17 ⁷ 17	4 ¹¹ 4	6 ³³ 6	14 ²¹ 14	4 ⁰ 4	5 ⁵ 5	26 ¹⁷ 26	9 ²⁵ 25	S 18
S 19	9 54 56	0 ¹¹ 43	12 ³² 12	6 ⁵⁸ 6	7 ⁴⁷ 7	12 ¹⁹ 12	10 ⁵⁷ 10	17 ⁷ 17	4 ¹⁴ 4	6 ³⁵ 6	14 ²² 14	3 ⁴⁸ 3	5 ² 5	26 ²⁴ 26	9 ²⁵ 25	S 19
M20	9 58 53	1 ¹² 07	24 ³³ 24	7 ¹³ 7	9 ¹ 9	11 ⁵⁹ 11	10 ⁵⁰ 10	17 ⁸ 17	4 ¹⁸ 4	6 ³⁷ 6	14 ²³ 14	3 ⁵⁵ 3	4 ⁵⁹ 4	26 ³⁰ 26	9 ²⁶ 26	M20
T 21	10 2 49	2 ¹² 30	6 ⁴¹ 6	7 ³⁴ 7	10 ¹⁶ 10	11 ⁴⁰ 11	10 ⁴³ 10	17 ⁸ 17	4 ²¹ 4	6 ⁴⁰ 6	14 ²⁴ 14	3 ²⁴ 3	4 ⁵⁵ 4	26 ³⁷ 26	9 ²⁶ 26	T 21
W22	10 6 46	3 ¹² 51	18 ⁵⁶ 18	8 ¹ 8	11 ³⁰ 11	11 ²¹ 11	10 ³⁶ 10	17 ⁸ 17	4 ²⁵ 4	6 ⁴² 6	14 ²⁵ 14	3 ¹⁴ 3	4 ⁵² 4	26 ⁴⁴ 26	9 ²⁷ 27	W22
T 23	10 10 42	4 ¹³ 10	1 ¹⁹ 1	8 ³² 8	12 ⁴⁵ 12	11 ³ 11	10 ³⁰ 10	17 ⁹ 17	4 ²⁸ 4	6 ⁴⁴ 6	14 ²⁶ 14	3 ⁷ 3	4 ⁴⁹ 4	26 ⁵¹ 26	9 ²⁷ 27	T 23
F 24	10 14 39	5 ¹³ 28	13 ⁵² 13	9 ⁸ 9	13 ⁵⁹ 13	10 ⁴⁵ 10	10 ²³ 10	17 ⁹ 17	4 ³¹ 4	6 ⁴⁶ 6	14 ²⁷ 14	3 ³ 3	4 ⁴⁶ 4	26 ⁵⁷ 26	9 ²⁸ 28	F 24
S 25	10 18 35	6 ¹³ 45	26 ³⁷ 26	9 ⁴⁸ 9	15 ¹⁴ 15	10 ²⁹ 10	10 ¹⁶ 10	17 ⁹ 17	4 ³⁵ 4	6 ⁴⁸ 6	14 ²⁸ 14	3 ¹ 3	4 ⁴³ 4	27 ⁴ 27	9 ²⁹ 29	S 25
S 26	10 22 32	7 ¹⁴ 00	9 ³⁴ 9	10 ³² 10	16 ²⁸ 16	10 ¹² 10	10 ¹⁰ 10	17 ⁹ 17	4 ³⁸ 4	6 ⁵⁰ 6	14 ²⁹ 14	3 ^{D 1} 3	4 ³⁹ 4	27 ¹¹ 27	9 ²⁹ 29	S 26
M27	10 26 28	8 ¹⁴ 13	22 ⁴⁸ 22	11 ²⁰ 11	17 ⁴³ 17	9 ⁵⁷ 9	10 ⁴ 10	17 ⁹ 17	4 ⁴² 4	6 ⁵² 6	14 ³¹ 14	3 ² 3	4 ³⁶ 4	27 ¹⁷ 27	9 ³⁰ 30	M27
T 28	10 30 25	9 ¹⁴ 25	6 ¹⁹ 6	12 ²¹ 12	18 ⁵⁷ 18	9 ⁴² 9	9 ⁵⁷ 9	17 ⁸ 17	4 ⁴⁵ 4	6 ⁵⁴ 6	14 ³² 14	3 ^{R 2} 3	4 ³³ 4	27 ²⁴ 27	9 ³¹ 31	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	17s13	24s51	2s51	12s 0	3n 1	22s22	0n13	19n22	4n32	17n43	0n54	14s35	2n21	11s 1	0s44	18s41	0n 8	10s 5	16s58	13n27	13n32	26n13	16n49	5s 9	8s 5
T 2	16 56	27 9	3 48	12 7	3 14	22 16	0 10	19 30	4 32	17 46	0 55	14 35	2 21	11 0	0 44	18 41	0 8	10 4	16 58	13 25	13 31	26 12	16 49	5 8	7s 5
F 3	16 38	27 37	4 31	12 16	3 24	22 9	0 7	19 38	4 33	17 48	0 55	14 35	2 22	10 58	0 44	18 40	0 8	10 4	16 58	13 23	13 30	26 11	16 49	5 8	7s 5
S 4	16 20	26 2	4 55	12 29	3 32	22 1	0 4	19 46	4 33	17 50	0 55	14 36	2 22	10 57	0 44	18 39	0 8	10 3	16 57	13 19	13 29	26 10	16 49	5 8	7s 5
S 5	16 2	22 33	4 59	12 45	3 38	21 53	0 1	19 54	4 33	17 53	0 55	14 36	2 22	10 56	0 44	18 39	0 8	10 3	16 57	13 15	13 27	26 9	16 49	5 8	7s 5
M 6	15 44	17 32	4 42	13 3	3 41	21 45	0s 1	20 1	4 34	17 55	0 55	14 37	2 22	10 55	0 44	18 38	0 8	10 2	16 57	13 12	13 26	26 8	16 50	5 7	7s 5
T 7	15 26	11 31	4 5	13 22	3 42	21 35	0 4	20 9	4 33	17 57	0 55	14 37	2 23	10 54	0 44	18 38	0 8	10 2	16 56	13 8	13 25	26 7	16 50	5 7	7s 5
W 8	15 7	5 0	3 13	13 42	3 40	21 25	0 7	20 16	4 33	18 0	0 55	14 37	2 23	10 52	0 44	18 37	0 8	10 1	16 56	13 6	13 24	26 6	16 50	5 7	7s 5
T 9	14 48	1n34	2 11	14 2	3 36	21 15	0 10	20 23	4 33	18 2	0 55	14 37	2 23	10 51	0 44	18 37	0 8	10 0	16 56	13 4	13 23	26 5	16 50	5 7	7s 5
F 10	14 29	7 50	1 3	14 23	3 31	21 3	0 12	20 30	4 33	18 4	0 55	14 38	2 23	10 50	0 44	18 36	0 8	10 0	16 56	13 3	13 22	26 4	16 50	5 6	7s 5
S 11	14 9	13 34	0n 7	14 43	3 23	20 51	0 15	20 37	4 32	18 7	0 55	14 38	2 23	10 49	0 44	18 36	0 8	9 59	16 55	13 3	13 21	26 2	16 51	5 6	7s 5
S 12	13 49	18 32	1 13	15 3	3 15	20 39	0 18	20 43	4 32	18 9	0 55	14 38	2 24	10 47	0 44	18 35	0 8	9 58	16 55	13 3	13 20	26 1	16 51	5 6	7s 5
M13	13 29	22 34	2 15	15 21	3 5	20 26	0 20	20 49	4 31	18 11	0 56	14 38	2 24	10 46	0 44	18 35	0 8	9 58	16 55	13 3	13 19	26 0	16 51	5 5	7s 5
T 14	13 9	25 31	3 9	15 38	2 54	20 12	0 23	20 55	4 30	18 13	0 56	14 38	2 24	10 45	0 44	18 34	0 8	9 57	16 54	13 2	13 18	25 59	16 51	5 5	7s 5
W15	12 49	27 16	3 54	15 55	2 42	19 58	0 25	21 1	4 29	18 15	0 56	14 38	2 24	10 44	0 44	18 33	0 8	9 57	16 54	13 1	13 17	25 58	16 52	5 5	7s 5
T 16	12 28	27 45	4 29	16 9	2 30	19 43	0 28	21 7	4 29	18 17	0 56	14 38	2 25	10 42	0 44	18 33	0 8	9 56	16 54	12 59	13 16	25 57	16 52	5 5	7s 5
F 17	12 7	26 57	4 51	16 22	2 18	19 27	0 30	21 12	4 27	18 20	0 56	14 38	2 25	10 41	0 44	18 32	0 8	9 55	16 54	12 56	13 15	25 56	16 52	5 4	7s 5
S 18	11 46	24 57	5 2	16 34	2 5	19 11	0 33	21 17	4 26	18 22	0 56	14 38	2 25	10 40	0 44	18 32	0 8	9 55	16 53	12 52	13 14	25 54	16 52	5 4	7s 5
S 19	11 25	21 50	4 59	16 44	1 52	18 54	0 35	21 21	4 25	18 24	0 56	14 38	2 25	10 39	0 44	18 31	0 8	9 54	16 53	12 48	13 13	25 53	16 53	5 4	7s 5
M20	11 3	17 47	4 42	16 53	1 39	18 37	0 37	21 26	4 24	18 26	0 56	14 38	2 25	10 37	0 44	18 31	0 8	9 53	16 53	12 44	13 12	25 52	16 53	5 3	7s 5
T 21	10 42	12 59	4 13	17 0	1 17	18 20	0 40	21 30	4 22	18 28	0 56	14 38	2 26	10 36	0 44	18 30	0 8	9 53	16 53	12 40	13 11	25 51	16 53	5 3	7s 5
W22	10 20	7 38	3 32	17 5	1 14	18 1	0 42	21 34	4 21	18 29	0 56	14 38	2 26	10 35	0 44	18 30	0 8	9 52	16 52	12 36	13 9	25 50	16 54	5 3	7s 5
T 23	9 58	1 56	2 41	17 9	1 2	17 43	0 44	21 38	4 19	18 31	0 56	14 38	2 26	10 34	0 44	18 29	0 7	9 51	16 52	12 34	13 8	25 48	16 54	5 2	7s 5
F 24	9 36	3s56	1 40	17 12	0 49	17 23	0 47	21 41	4 18	18 33	0 56	14 38	2 26	10 32	0 44	18 29	0 7	9 51	16 52	12 32	13 7	25 47	16 55	5 2	7s 5
S 25	9 14	9 45	0 34	17 12	0 38	17 4	0 49	21 44	4 16	18 35	0 56	14 38	2 27	10 31	0 44	18 28	0 7	9 50	16 52	12 32	13 6	25 46	16 55	5 2	7s 5
S 26	8 52	15 15	0s35	17 12	0 26	16 43	0 51	21 47	4 14	18 37	0 56	14 37	2 27	10 30	0 44	18 28	0 7	9 50	16 51	12 32	13 5	25 45	16 55	5 2	7s 5
M27	8 29	20 10	1 44	17 10	0 15	16 23	0 53	21 49	4 12	18 39	0 56	14 37	2 27	10 28	0 44	18 27	0 7	9 49	16 51	12 32	13 4	25 43	16 56	5 1	7s 5
T 28	8s 7	24s 9	2s49	17s 6	0n 4	16s 1	0s55	21n51	4n11	18n40	0n56	14s37	2n27	10s27	0s44	18s27	0n 7	9s48	16s51	12n32	13n 3	25n42	16n56	5s 1	7s 5

ASTRODIENST EPHEMERIS for the year 1837

geocentric

MARCH 1837

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 34 22	10°14'35"	20°10'10"	13°36'6"	20°28'12"	9°R28	9°R51	17°R 8	4°H49	6°556	14°V33	3°R 2	4°B30	27°B31	9°H32	W 1
T 2	10 38 18	11°14'44"	4°B22	14°3	21°26	9°R15	9°R45	17°R 7	4°52	6°58	14°34	3°B 0	4°27	27°38	9°33	T 2
F 3	10 42 15	12°14'52"	18°53	15°3	22°41	9°3	9°40	17°7	4°56	7°0	14°36	2°55	4°24	27°44	9°35	F 3
S 4	10 46 11	13°14'58"	3°B39	16°6	23°55	8°51	9°34	17°6	4°59	7°2	14°37	2°49	4°20	27°51	9°36	S 4
S 5	10 50 8	14°15'02"	18°34	17°11	25°10	8°40	9°29	17°5	5°2	7°4	14°38	2°41	4°17	27°58	9°37	S 5
M 6	10 54 4	15°15'04"	3°H29	18°19	26°24	8°30	9°23	17°4	5°6	7°6	14°39	2°33	4°14	28°5	9°39	M 6
T 7	10 58 1	16°15'05"	18°15	19°28	27°39	8°20	9°18	17°3	5°9	7°7	14°41	2°27	4°11	28°11	9°40	T 7
W 8	11 1 57	17°15'03"	2°V45	20°40	28°53	8°12	9°13	17°2	5°13	7°9	14°42	2°21	4°8	28°18	9°42	W 8
T 9	11 5 54	18°15'00"	16°52	21°54	0°H 8	8°4	9°8	17°1	5°16	7°11	14°43	2°18	4°5	28°25	9°43	T 9
F 10	11 9 50	19°14'54"	0°B33	23°9	1°22	7°57	9°4	17°0	5°19	7°13	14°44	2°D17	4°1	28°31	9°45	F 10
S 11	11 13 47	20°14'46"	13°48	24°26	2°37	7°51	8°59	16°58	5°23	7°15	14°46	2°18	3°58	28°38	9°47	S 11
S 12	11 17 44	21°14'36"	26°38	25°45	3°51	7°46	8°55	16°57	5°26	7°17	14°47	2°19	3°55	28°45	9°49	S 12
M13	11 21 40	22°14'24"	9°H 7	27°5	5°6	7°41	8°51	16°55	5°29	7°18	14°48	2°21	3°52	28°52	9°51	M13
T 14	11 25 37	23°14'10"	21°20	28°27	6°20	7°37	8°47	16°54	5°33	7°20	14°50	2°R21	3°49	28°58	9°53	T 14
W15	11 29 33	24°13'53"	3°B20	29°51	7°35	7°34	8°43	16°52	5°36	7°22	14°51	2°21	3°45	29°5	9°55	W15
T 16	11 33 30	25°13'34"	15°14	1°H16	8°49	7°32	8°39	16°50	5°39	7°23	14°52	2°19	3°42	29°12	9°57	T 16
F 17	11 37 26	26°13'13"	27°6	2°42	10°3	7°30	8°36	16°48	5°43	7°25	14°54	2°15	3°39	29°19	9°59	F 17
S 18	11 41 23	27°12'50"	8°R59	4°10	11°18	7°30	8°32	16°46	5°46	7°27	14°55	2°10	3°36	29°25	10°1	S 18
S 19	11 45 19	28°12'24"	20°58	5°40	12°32	7°D30	8°29	16°44	5°49	7°28	14°57	2°4	3°33	29°32	10°4	S 19
M20	11 49 16	29°11'56"	3°H 5	7°10	13°47	7°30	8°26	16°41	5°53	7°30	14°58	1°58	3°30	29°39	10°6	M20
T 21	11 53 13	0°V11'26"	15°22	8°42	15°1	7°32	8°24	16°39	5°56	7°31	14°59	1°52	3°26	29°45	10°9	T 21
W22	11 57 9	1°10'54"	27°50	10°16	16°15	7°34	8°21	16°37	5°59	7°33	15°1	1°48	3°23	29°52	10°11	W22
T 23	12 1 6	2°10'20"	10°A30	11°51	17°30	7°37	8°19	16°34	6°2	7°35	15°2	1°44	3°20	29°59	10°14	T 23
F 24	12 5 2	3°9'44"	23°23	13°27	18°44	7°40	8°16	16°32	6°5	7°36	15°4	1°43	3°17	0°R 6	10°17	F 24
S 25	12 8 59	4°9'05"	6°H28	15°4	19°58	7°44	8°14	16°29	6°8	7°37	15°5	1°D42	3°14	0°12	10°19	S 25
S 26	12 12 55	5°8'25"	19°45	16°43	21°13	7°49	8°13	16°26	6°12	7°39	15°6	1°43	3°11	0°19	10°22	S 26
M27	12 16 52	6°7'44"	3°H15	18°23	22°27	7°55	8°11	16°23	6°15	7°40	15°8	1°45	3°7	0°26	10°25	M27
T 28	12 20 48	7°7'00"	16°57	20°5	23°41	8°1	8°10	16°20	6°18	7°42	15°9	1°46	3°4	0°32	10°28	T 28
W29	12 24 45	8°6'15"	0°B52	21°48	24°56	8°8	8°8	16°17	6°21	7°43	15°11	1°47	3°1	0°39	10°31	W29
T 30	12 28 42	9°5'28"	14°58	23°32	26°10	8°15	8°7	16°14	6°24	7°44	15°12	1°R47	2°58	0°46	10°34	T 30
F 31	12 32 38	10°V 4'39"	29°B15	25°H18	27°H24	8°R23	8°R 6	16°H11	6°H27	7°H46	15°V13	1°B46	2°B55	0°R53	10°H37	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	7s44	26s51	3s45	17s 1	0s 7	15s40	0s57	21n53	4n 9	18n42	0n56	14s37	2n27	10s26	0s44	18s26
T 2	7 21	27 53	4 29	16 54	0 17	15 18	0 59	21 55	4 7	18 43	0 56	14 36	2 28	10 25	0 44	18 26
F 3	6 58	27 2	4 58	16 46	0 27	14 55	1 1	21 57	4 5	18 45	0 56	14 36	2 28	10 23	0 44	18 25
S 4	6 35	24 19	5 7	16 36	0 36	14 32	1 2	21 58	4 3	18 46	0 56	14 35	2 28	10 22	0 44	18 25
S 5	6 12	19 57	4 55	16 25	0 45	14 9	1 4	21 59	4 1	18 48	0 56	14 35	2 28	10 21	0 44	18 24
M 6	5 49	14 20	4 24	16 13	0 54	13 46	1 6	21 59	3 58	18 49	0 56	14 35	2 28	10 20	0 44	18 24
T 7	5 26	7 56	3 35	15 59	1 2	13 21	1 8	22 0	3 56	18 51	0 56	14 34	2 29	10 18	0 44	18 23
W 8	5 2	1 14	2 33	15 43	1 10	12 57	1 9	22 0	3 54	18 52	0 56	14 34	2 29	10 17	0 44	18 23
T 9	4 39	5n22	1 22	15 27	1 18	12 32	1 11	22 0	3 52	18 53	0 56	14 33	2 29	10 16	0 44	18 23
F 10	4 16	11 32	0 9	15 9	1 25	12 7	1 12	22 0	3 50	18 55	0 56	14 32	2 29	10 15	0 44	18 22
S 11	3 52	16 59	1n 2	14 50	1 31	11 42	1 14	21 59	3 47	18 56	0 56	14 32	2 29	10 14	0 44	18 22
S 12	3 29	21 30	2 8	14 29	1 38	11 16	1 15	21 58	3 45	18 57	0 56	14 31	2 30	10 12	0 44	18 21
M13	3 5	24 54	3 6	14 7	1 43	10 50	1 16	21 57	3 43	18 58	0 56	14 31	2 30	10 11	0 44	18 21
T 14	2 41	27 5	3 55	13 43	1 49	10 24	1 17	21 56	3 41	18 59	0 56	14 30	2 30	10 10	0 44	18 20
W15	2 18	27 57	4 32	13 19	1 54	9 57	1 19	21 55	3 38	19 0	0 56	14 29	2 30	10 9	0 44	18 20
T 16	1 54	27 30	4 57	12 53	1 59	9 30	1 20	21 53	3 36	19 1	0 56	14 29	2 30	10 7	0 44	18 19
F 17	1 30	25 49	5 9	12 26	2 3	9 3	1 21	21 51	3 34	19 2	0 56	14 28	2 31	10 6	0 44	18 19
S 18	1 7	22 59	5 8	11 57	2 6	8 36	1 22	21 49	3 32	19 3	0 56	14 27	2 31	10 5	0 44	18 19
S 19	0 43	19 10	4 54	11 27	2 10	8 8	1 23	21 47	3 29	19 3	0 56	14 26	2 31	10 4	0 44	18 18
M20	0 19	14 31	4 26	10 56	2 13	7 40	1 23	21 45	3 27	19 4	0 56	14 26	2 31	10 3	0 44	18 18
T 21	0n 5	9 15	3 46	10 24	2 15	7 12	1 24	21 42	3 25	19 5	0 56	14 25	2 31	10 2	0 44	18 17
W22	0 28	3 32	2 55	9 50	2 17	6 44	1 25	21 39	3 23	19 5	0 56	14 24	2 32	10 0	0 44	18 17
T 23	0 52	2s25	1 53	9 16	2 19	6 15	1 26	21 37	3 20	19 6	0 55	14 23	2 32	9 59	0 44	18 17
F 24	1 16	8 23	0 45	8 40	2 20	5 47	1 26	21 33	3 18	19 6	0 55	14 22	2 32	9 58	0 44	18 16
S 25	1 39	14 6	0s26	8 3	2 20	5 18	1 27	21 30	3 16	19 7	0 55	14 21	2 32	9 57	0 44	18 16
S 26	2 3	19 15	1 37	7 24	2 20	4 49	1 27	21 27	3 13	19 7	0 55	14 20	2 32	9 56	0 44	18 16
M27	2 26	23 31	2 44	6 45	2 20	4 20	1 27	21 23	3 11	19 8	0 55	14 19	2 32	9 55	0 44	18 15
T 28	2 50	26 31	3 43	6 4	2 19	3 51	1 28	21 19	3 9	19 8	0 55	14 18	2 32	9 53	0 44	18 15
W29	3 13	27 57	4 30	5 22	2 18	3 22	1 28	21 15	3 7	19 8	0 55	14 17	2 33	9 52	0 44	18 15
T 30	3 36	27 36	5 1	4 39	2 16	2 52	1 28	21 11	3 5	19 8	0 55	14 16	2 33	9 51	0 44	18 14
F 31	4n 0	25s27	5s14	3s55	2s14	2s23	1s28	21n 7	3n 2	19n 9	0n55	14s15	2n33	9s50	0s44	18s14

Julian Day Number = 2392069.5, Delta T = 7.90 sec

Ecliptic obliquity = 23°27'46", Nutation = - 0°00'09", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°27'59", Lahiri = 21°35'00"

ASTRODIENST EPHEMERIS for the year 1837
geocentric

APRIL 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 36 35	11° 3' 48"	13° 39'	27° 5'	28° 39'	8° 32'	8° 6'	16° 8'	6° 30'	7° 47'	15° 15'	1° 44'	2° 51'	0° 59'	10° 40'	S 1
S 2	12 40 31	12° 2' 56"	28° 7'	28° 54'	29° 53'	8° 41'	8° 5'	16° 5'	6° 33'	7° 48'	15° 16'	1° 42'	2° 48'	1° 6'	10° 43'	S 2
M 3	12 44 28	13° 2' 02"	12° 34'	0° 44'	1° 7'	8° 51'	8° 5'	16° 1'	6° 36'	7° 49'	15° 18'	1° 39'	2° 45'	1° 13'	10° 47'	M 3
T 4	12 48 24	14° 1' 05"	26° 54'	2° 35'	2° 21'	9° 1'	8° 5'	15° 58'	6° 39'	7° 51'	15° 19'	1° 37'	2° 42'	1° 20'	10° 50'	T 4
W 5	12 52 21	15° 0' 07"	11° 2'	4° 28'	3° 36'	9° 12'	8° 5'	15° 55'	6° 42'	7° 52'	15° 21'	1° 35'	2° 39'	1° 26'	10° 53'	W 5
T 6	12 56 17	15° 59' 07"	24° 54'	6° 22'	4° 50'	9° 24'	8° 5'	15° 51'	6° 44'	7° 53'	15° 22'	1° 35'	2° 36'	1° 33'	10° 57'	T 6
F 7	13 0 14	16° 58' 05"	8° 25'	8° 18'	6° 4'	9° 36'	8° 6'	15° 47'	6° 47'	7° 54'	15° 23'	1° 35'	2° 32'	1° 40'	11° 0'	F 7
S 8	13 4 11	17° 57' 00"	21° 36'	10° 15'	7° 18'	9° 48'	8° 6'	15° 44'	6° 50'	7° 55'	15° 25'	1° 35'	2° 29'	1° 46'	11° 4'	S 8
S 9	13 8 7	18° 55' 54"	4° 26'	12° 13'	8° 33'	10° 1'	8° 7'	15° 40'	6° 53'	7° 56'	15° 26'	1° 36'	2° 26'	1° 53'	11° 8'	S 9
M10	13 12 4	19° 54' 45"	16° 57'	14° 13'	9° 47'	10° 15'	8° 8'	15° 36'	6° 56'	7° 57'	15° 28'	1° 37'	2° 23'	2° 0'	11° 11'	M10
T 11	13 16 0	20° 53' 35"	29° 13'	16° 15'	11° 1'	10° 29'	8° 10'	15° 32'	6° 58'	7° 58'	15° 29'	1° 38'	2° 20'	2° 7'	11° 15'	T 11
W12	13 19 57	21° 52' 21"	11° 16'	18° 17'	12° 15'	10° 44'	8° 11'	15° 28'	7° 1'	7° 59'	15° 31'	1° 39'	2° 17'	2° 13'	11° 19'	W12
T 13	13 23 53	22° 51' 06"	23° 12'	20° 21'	13° 29'	10° 59'	8° 13'	15° 24'	7° 4'	8° 0'	15° 32'	1° 39'	2° 13'	2° 20'	11° 23'	T 13
F 14	13 27 50	23° 49' 48"	5° 12'	22° 25'	14° 43'	11° 14'	8° 14'	15° 20'	7° 6'	8° 1'	15° 33'	1° 39'	2° 10'	2° 27'	11° 26'	F 14
S 15	13 31 46	24° 48' 29"	17° 0'	24° 31'	15° 58'	11° 30'	8° 16'	15° 16'	7° 9'	8° 2'	15° 35'	1° 39'	2° 7'	2° 33'	11° 30'	S 15
S 16	13 35 43	25° 47' 06"	29° 1'	26° 38'	17° 12'	11° 47'	8° 18'	15° 12'	7° 11'	8° 3'	15° 36'	1° 38'	2° 4'	2° 40'	11° 34'	S 16
M17	13 39 40	26° 45' 42"	11° 11'	28° 45'	18° 26'	12° 3'	8° 21'	15° 8'	7° 14'	8° 3'	15° 38'	1° 37'	2° 1'	2° 47'	11° 38'	M17
T 18	13 43 36	27° 44' 16"	23° 35'	0° 52'	19° 40'	12° 21'	8° 23'	15° 4'	7° 16'	8° 4'	15° 39'	1° 37'	1° 57'	2° 54'	11° 42'	T 18
W19	13 47 33	28° 42' 47"	6° 14'	3° 0'	20° 54'	12° 38'	8° 26'	15° 0'	7° 19'	8° 5'	15° 41'	1° 36'	1° 54'	3° 0'	11° 46'	W19
T 20	13 51 29	29° 41' 16"	19° 10'	5° 7'	22° 8'	12° 56'	8° 29'	14° 55'	7° 21'	8° 5'	15° 42'	1° 36'	1° 51'	3° 7'	11° 51'	T 20
F 21	13 55 26	0° 39' 44"	2° 12'	7° 15'	23° 22'	13° 15'	8° 32'	14° 51'	7° 24'	8° 6'	15° 43'	1° 36'	1° 48'	3° 14'	11° 55'	F 21
S 22	13 59 22	1° 38' 09"	15° 52'	9° 21'	24° 36'	13° 34'	8° 35'	14° 47'	7° 26'	8° 7'	15° 45'	1° 36'	1° 45'	3° 21'	11° 59'	S 22
S 23	14 3 19	2° 36' 33"	29° 36'	11° 27'	25° 50'	13° 53'	8° 38'	14° 42'	7° 28'	8° 7'	15° 46'	1° 36'	1° 42'	3° 27'	12° 3'	S 23
M24	14 7 15	3° 34' 56"	13° 32'	13° 31'	27° 4'	14° 13'	8° 42'	14° 38'	7° 31'	8° 8'	15° 47'	1° 36'	1° 38'	3° 34'	12° 8'	M24
T 25	14 11 12	4° 33' 16"	27° 36'	15° 34'	28° 18'	14° 33'	8° 46'	14° 34'	7° 33'	8° 8'	15° 49'	1° 36'	1° 35'	3° 41'	12° 12'	T 25
W26	14 15 9	5° 31' 35"	11° 37'	17° 35'	29° 32'	14° 53'	8° 50'	14° 29'	7° 35'	8° 9'	15° 50'	1° 35'	1° 32'	3° 47'	12° 16'	W26
T 27	14 19 5	6° 29' 53"	26° 1'	19° 34'	0° 46'	15° 14'	8° 54'	14° 25'	7° 37'	8° 9'	15° 52'	1° 35'	1° 29'	3° 54'	12° 21'	T 27
F 28	14 23 2	7° 28' 09"	10° 15'	21° 30'	2° 0'	15° 35'	8° 58'	14° 20'	7° 39'	8° 10'	15° 53'	1° 35'	1° 26'	4° 1'	12° 25'	F 28
S 29	14 26 58	8° 26' 23"	24° 27'	23° 24'	3° 14'	15° 56'	9° 2'	14° 16'	7° 41'	8° 10'	15° 54'	1° 35'	1° 22'	4° 8'	12° 30'	S 29
S 30	14 30 55	9° 24' 36"	8° 35'	25° 15'	4° 28'	16° 18'	9° 12'	14° 11'	7° 44'	8° 11'	15° 56'	1° 36'	1° 19'	4° 14'	12° 34'	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	4n23	21s39	5s 8	3s10	2s11	1s54	1s28	21n 3	3n 0	19n 9	0n55	14s14	2n33	9s49	0s44	18s14	0n 7	9s29	16s47	12n 5	12n29	24n58	17n14	4s53			
S 2	4 46	16 32	4 42	2 24	2 8	1 24	1 28	20 58	2 58	19 9	0 55	14 13	2 33	9 48	0 44	18 13	0 7	9 28	16 47	12 5	12 27	24 57	17 15	4 52			
M 3	5 9	10 31	3 58	1 37	2 4	0 54	1 28	20 54	2 56	19 9	0 55	14 12	2 33	9 47	0 44	18 13	0 7	9 28	16 47	12 4	12 26	24 55	17 16	4 52			
T 4	5 32	3 59	3 0	0 48	2 0	0 25	1 28	20 49	2 54	19 9	0 55	14 11	2 33	9 46	0 44	18 13	0 7	9 27	16 47	12 3	12 25	24 54	17 16	4 52			
W 5	5 55	2n40	1 51	0n 1	1 55	0n 5	1 28	20 44	2 52	19 9	0 55	14 10	2 34	9 45	0 44	18 12	0 7	9 26	16 47	12 2	12 24	24 52	17 17	4 52			
T 6	6 18	9 5	0 37	0 51	1 50	0 35	1 28	20 39	2 50	19 8	0 55	14 9	2 34	9 44	0 44	18 12	0 7	9 26	16 47	12 2	12 23	24 51	17 18	4 52			
F 7	6 40	14 55	0n38	1 42	1 44	1 5	1 27	20 34	2 48	19 8	0 55	14 8	2 34	9 43	0 44	18 12	0 7	9 25	16 47	12 2	12 22	24 49	17 18	4 51			
S 8	7 3	19 56	1 48	2 34	1 38	1 34	1 27	20 28	2 46	19 8	0 54	14 6	2 34	9 42	0 44	18 11	0 7	9 25	16 47	12 2	12 21	24 48	17 19	4 51			
S 9	7 25	23 52	2 52	3 27	1 31	2 4	1 26	20 23	2 44	19 8	0 54	14 5	2 34	9 41	0 44	18 11	0 7	9 24	16 47	12 3	12 20	24 46	17 20	4 51			
M10	7 48	26 34	3 45	4 20	1 24	2 34	1 26	20 17	2 42	19 7	0 54	14 4	2 34	9 40	0 44	18 11	0 7	9 24	16 47	12 3	12 19	24 45	17 20	4 51			
T 11	8 10	27 55	4 27	5 14	1 16	3 3	1 25	20 11	2 40	19 7	0 54	14 3	2 34	9 39	0 44	18 11	0 7	9 23	16 47	12 3	12 18	24 43	17 21	4 51			
W12	8 32	27 55	4 57	6 8	1 8	3 33	1 25	20 5	2 38	19 7	0 54	14 2	2 34	9 38	0 44	18 10	0 7	9 23	16 47	12 4	12 17	24 42	17 22	4 50			
T 13	8 54	26 36	5 13	7 3	0 59	4 2	1 24	19 59	2 36	19 6	0 54	14 1	2 34	9 37	0 44	18 10	0 7	9 22	16 47	12 4	12 15	24 40	17 22	4 50			
F 14	9 15	24 7	5 16	7 58	0 50	4 32	1 23	19 53	2 34	19 6	0 54	13 59	2 34	9 36	0 44	18 10	0 7	9 22	16 47	12 4	12 14	24 38	17 23	4 50			
S 15	9 37	20 36	5 5	8 53	0 40	5 1	1 22	19 47	2 32	19 5	0 54	13 58	2 35	9 35	0 44	18 10	0 7	9 21	16 47	12 3	12 13	24 37	17 24	4 50			
S 16	9 58	16 13	4 41	9 48	0 30	5 30	1 22	19 40	2 30	19 4	0 54	13 57	2 35	9 34	0 44	18 10	0 7	9 21	16 47	12 3	12 12	24 35	17 24	4 50			
M17	10 20	11 8	4 4	10 43	0 20	5 59	1 21	19 34	2 28	19 4	0 54	13 56	2 35	9 33	0 44	18 9	0 7	9 20	16 47	12 3	12 11	24 34	17 25	4 50			
T 18	10 41	5 32	3 15	11 38	0 10	6 28	1 20	19 27	2 26	19 3	0 54	13 54	2 35	9 32	0 44	18 9	0 7	9 20	16 47	12 3	12 10	24 32	17 26	4 49			
W19	11 2	0s24	2 16	12 32	0n 1	6 57	1 18	19 20	2 24	19 2	0 54	13 53	2 35	9 31	0 45	18 9	0 7	9 19	16 47	12 3	12 9	24 30	17 27	4 49			
T 20	11 22	6 27	1 8	13 25	0 12	7 26	1 17	19 13	2 23	19 1	0 54	13 52	2 35	9 30	0 45	18 9	0 7	9 19	16 48	12 3	12 8	24 29	17 27	4 49			
F 21	11 43	12 23	0s 4	14 18	0 22	7 54	1 16	19 6	2 21	19 0	0 53	13 50	2 35	9 30	0 45	18 9	0 7	9 19	16 48	12 3	12 7	24 27	17 28	4 49			
S 22	12 3	17 51	1 18	15 9	0 33	8 23	1 15	18 59	2 19	19 0	0 53	13 49	2 35	9 29	0 45	18 9	0 7	9 18	16 48	12 3	12 6	24 26	17 29	4 49			
S 23	12 23	22 31	2 29	15 59	0 44	8 51	1 14	18 52	2 17	18 59	0 53	13 48	2 35	9 28	0 45	18 8	0 7	9 18	16 48	12 3	12 4	24 24	17 29	4 49			
M24	12 43	25 57	3 32	16 47	0 55	9 19	1 12	18 45	2 16	18 58	0 53	13 47	2 35	9 27	0 45	18 8	0 7	9 17	16 48	12 2	12 3	24 22	17 30	4 49			
T 25	13 3	27 49	4 23	17 33	1 5	9 47	1 11	18 37	2 14	18 57	0 53	13 45	2 35	9 26	0 45	18 8	0 7	9 17	16 48	12 2	12 2	24 21	17 31	4 48			
W26	13 23	27 53	4 58	18 18	1 15	10 14	1 10	18 29	2 12	18 55	0 53	13 44	2 35	9 25	0 45	18 8	0 7	9 16	16 48	12 2	12 1	24 19	17 31	4 48			
T 27	13 42	26 7	5 15	19 0	1 25	10 41	1 8	18 22	2 10	18 54	0 53	13 43	2 35	9 25	0 45	18 8	0 7	9 16	16 48	12 2	12 0	24 17	17 32	4 48			
F 28	14 1	22 42	5 13	19 40	1 34	11 9	1 6	18 14	2 9	18 53	0 53	13 41	2 35	9 24	0 45	18 8	0 7	9 16	16 48	12 2	11 59	24 16	17 33	4 48			
S 29	14 20	17 58	4 52	20 18	1 43	11 35	1 5	18 6	2 7	18 52	0 53	13 40	2 35	9 23	0 45	18 8	0 7	9 15	16 49	12 2	11 58	24 14	17 33	4 48			
S 30	14n38	12s16	4s13	20n53	1n51	12n 2	1s 3	17n58	2n 5	18n51	0n53	13s39	2n35	9s22	0s45	18s 8	0n 7	9s15	16s49	12n 2	11n57	24n12	17n34	4s48			

ASTRODIENST EPHEMERIS for the year 1837

geocentric

MAY 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 34 51	10♂22'48	22♂35	27♂ 2	5♂42	16♂40	9♂11	14°R 7	7♂46	8♂11	15♂57	1♂36	1♂16	4♂21	12♂39	M 1
T 2	14 38 48	11°20'58	6♂26	28°46	6°56	17° 2	9°16	14♂ 2	7°48	8°11	15°58	1°37	1°13	4°28	12°43	T 2
W 3	14 42 44	12°19'06	20° 7	0♂27	8°10	17°24	9°21	13°58	7°49	8°12	16° 0	1°38	1°10	4°35	12°48	W 3
T 4	14 46 41	13°17'13	3♂34	2° 4	9°24	17°47	9°27	13°53	7°51	8°12	16° 1	1°R38	1° 7	4°41	12°53	T 4
F 5	14 50 38	14°15'18	16°46	3°38	10°38	18°11	9°32	13°49	7°53	8°12	16° 2	1°38	1° 3	4°48	12°57	F 5
S 6	14 54 34	15°13'22	29°44	5° 8	11°52	18°34	9°37	13°44	7°55	8°12	16° 3	1°36	1° 0	4°55	13° 2	S 6
S 7	14 58 31	16°11'24	12♂25	6°34	13° 6	18°58	9°43	13°40	7°57	8°12	16° 5	1°35	0°57	5° 1	13° 7	S 7
M 8	15 2 27	17° 9'24	24°52	7°56	14°20	19°22	9°49	13°35	7°58	8°12	16° 6	1°33	0°54	5° 8	13°12	M 8
T 9	15 6 24	18° 7'23	7♂ 6	9°14	15°34	19°46	9°55	13°31	8° 0	8°12	16° 7	1°30	0°51	5°15	13°16	T 9
W10	15 10 20	19° 5'20	19°10	10°28	16°48	20°11	10° 1	13°26	8° 2	8°13	16° 8	1°28	0°48	5°22	13°21	W10
T11	15 14 17	20° 3'15	1♂ 6	11°38	18° 2	20°36	10° 7	13°22	8° 3	8°R13	16°10	1°26	0°44	5°28	13°26	T11
F12	15 18 13	21° 1'08	12°59	12°43	19°15	21° 1	10°13	13°17	8° 5	8°12	16°11	1°25	0°41	5°35	13°31	F12
S13	15 22 10	21°58'59	24°53	13°45	20°29	21°26	10°20	13°13	8° 6	8°12	16°12	1°D25	0°38	5°42	13°36	S13
S14	15 26 7	22°56'49	6♂53	14°42	21°43	21°52	10°27	13° 8	8° 8	8°12	16°13	1°25	0°35	5°48	13°41	S14
M15	15 30 3	23°54'37	19° 4	15°34	22°57	22°18	10°33	13° 4	8° 9	8°12	16°14	1°27	0°32	5°55	13°46	M15
T16	15 34 0	24°52'23	1♂30	16°23	24°11	22°44	10°40	13° 0	8°11	8°12	16°16	1°28	0°28	6° 2	13°51	T16
W17	15 37 56	25°50'08	14°15	17° 7	25°25	23°10	10°47	12°55	8°12	8°12	16°17	1°30	0°25	6° 9	13°56	W17
T18	15 41 53	26°47'51	27°21	17°46	26°38	23°37	10°55	12°51	8°13	8°12	16°18	1°R31	0°22	6°15	14° 1	T18
F19	15 45 49	27°45'32	10♂49	18°20	27°52	24° 4	11° 2	12°47	8°14	8°11	16°19	1°30	0°19	6°22	14° 6	F19
S20	15 49 46	28°43'12	24°39	18°50	29° 6	24°31	11° 9	12°42	8°16	8°11	16°20	1°29	0°16	6°29	14°11	S20
S21	15 53 42	29°40'51	8♂48	19°15	0♂20	24°58	11°17	12°38	8°17	8°11	16°21	1°26	0°13	6°36	14°16	S21
M22	15 57 39	0♂38'29	23°12	19°36	1°34	25°25	11°25	12°34	8°18	8°10	16°22	1°22	0° 9	6°42	14°21	M22
T23	16 1 36	1°36'06	7♂35	19°52	2°47	25°53	11°32	12°30	8°19	8°10	16°23	1°18	0° 6	6°49	14°26	T23
W24	16 5 32	2°33'41	22°20	20° 2	4° 1	26°21	11°40	12°26	8°20	8°10	16°25	1°14	0° 3	6°56	14°31	W24
T25	16 9 29	3°31'16	6♂51	20° 9	5°15	26°49	11°48	12°22	8°21	8° 9	16°26	1°11	29♂59	7° 2	14°36	T25
F26	16 13 25	4°28'50	21°14	20°R10	6°29	27°17	11°57	12°18	8°22	8° 9	16°27	1° 8	29°57	7° 9	14°42	F26
S27	16 17 22	5°26'22	5♂26	20° 7	7°42	27°45	12° 5	12°14	8°22	8° 8	16°28	1°D 8	29°54	7°16	14°47	S27
S28	16 21 18	6°23'54	19°23	20° 0	8°56	28°14	12°13	12°10	8°23	8° 8	16°29	1° 8	29°50	7°23	14°52	S28
M29	16 25 15	7°21'25	3♂ 6	19°48	10°10	28°43	12°22	12° 6	8°24	8° 7	16°30	1°10	29°47	7°29	14°57	M29
T30	16 29 11	8°18'56	16°35	19°32	11°24	29°12	12°31	12° 2	8°25	8° 7	16°31	1°11	29°44	7°36	15° 2	T30
W31	16 33 8	9♂16'25	29♂51	19♂13	12♂38	29♂41	12♂39	11♂58	8♂25	8♂ 6	16♂32	1°R12	29♂41	7♂43	15♂ 7	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	14n57	6s 0	3s20	21n26	1n58	12n28	1s 2	17n49	2n 4	18n49	0n53	13s37	2n35	9s22	0s45	18s 8
T 2	15 15	0n30	2 15	21 56	2 5	12 54	1 0	17 41	2 2	18 48	0 53	13 36	2 35	9 21	0 45	18 7
W 3	15 33	6 53	1 3	22 24	2 11	13 20	0 58	17 33	2 1	18 46	0 53	13 35	2 35	9 20	0 45	18 7
T 4	15 51	12 53	0n11	22 49	2 16	13 45	0 56	17 24	1 59	18 45	0 52	13 33	2 35	9 20	0 45	18 7
F 5	16 8	18 11	1 23	23 12	2 21	14 10	0 54	17 15	1 57	18 44	0 52	13 32	2 35	9 19	0 45	18 7
S 6	16 25	22 32	2 29	23 32	2 24	14 35	0 53	17 7	1 56	18 42	0 52	13 31	2 35	9 18	0 45	18 7
S 7	16 42	25 43	3 27	23 50	2 27	14 59	0 51	16 58	1 54	18 40	0 52	13 29	2 35	9 18	0 45	18 7
M 8	16 58	27 35	4 13	24 6	2 29	15 23	0 49	16 49	1 53	18 39	0 52	13 28	2 35	9 17	0 45	18 7
T 9	17 15	28 3	4 47	24 19	2 30	15 46	0 47	16 40	1 51	18 37	0 52	13 27	2 35	9 17	0 45	18 7
W10	17 31	27 10	5 8	24 31	2 30	16 9	0 45	16 30	1 50	18 35	0 52	13 26	2 35	9 16	0 45	18 7
T11	17 46	25 3	5 15	24 40	2 29	16 32	0 43	16 21	1 48	18 34	0 52	13 24	2 35	9 15	0 45	18 7
F12	18 2	21 52	5 9	24 47	2 27	16 55	0 40	16 12	1 47	18 32	0 52	13 23	2 35	9 15	0 45	18 7
S13	18 17	17 46	4 49	24 52	2 24	17 16	0 38	16 2	1 45	18 30	0 52	13 22	2 35	9 14	0 45	18 7
S14	18 32	12 58	4 17	24 55	2 21	17 38	0 36	15 52	1 44	18 28	0 52	13 21	2 34	9 14	0 45	18 7
M15	18 46	7 35	3 32	24 56	2 16	17 59	0 34	15 42	1 43	18 26	0 52	13 19	2 34	9 13	0 45	18 7
T16	19 0	1 49	2 37	24 55	2 10	18 19	0 32	15 33	1 41	18 24	0 52	13 18	2 34	9 13	0 45	18 7
W17	19 14	4s11	1 33	24 53	2 3	18 39	0 30	15 23	1 40	18 22	0 52	13 17	2 34	9 12	0 45	18 7
T18	19 28	10 11	0 23	24 49	1 56	18 59	0 27	15 12	1 38	18 20	0 52	13 16	2 34	9 12	0 45	18 7
F19	19 41	15 53	0s51	24 44	1 47	19 18	0 25	15 2	1 37	18 18	0 51	13 15	2 34	9 12	0 46	18 8
S20	19 54	20 57	2 3	24 37	1 37	19 36	0 23	14 52	1 36	18 16	0 51	13 13	2 34	9 11	0 46	18 8
S21	20 6	24 55	3 10	24 28	1 27	19 54	0 20	14 42	1 34	18 14	0 51	13 12	2 34	9 11	0 46	18 8
M22	20 18	27 23	4 6	24 18	1 15	20 12	0 18	14 31	1 33	18 12	0 51	13 11	2 34	9 10	0 46	18 8
T23	20 30	28 0	4 46	24 7	1 3	20 29	0 16	14 20	1 32	18 10	0 51	13 10	2 34	9 10	0 46	18 8
W24	20 42	26 40	5 8	23 55	0 50	20 45	0 13	14 10	1 30	18 7	0 51	13 9	2 33	9 10	0 46	18 8
T25	20 53	23 35	5 10	23 41	0 36	21 1	0 11	13 59	1 29	18 5	0 51	13 8	2 33	9 9	0 46	18 8
F26	21 3	19 3	4 53	23 27	0 21	21 16	0 9	13 48	1 28	18 3	0 51	13 7	2 33	9 9	0 46	18 8
S27	21 14	13 32	4 18	23 11	0 5	21 31	0 6	13 37	1 26	18 0	0 51	13 6	2 33	9 9	0 46	18 8
S28	21 24	7 24	3 28	22 54	0s11	21 45	0 4	13 26	1 25	17 58	0 51	13 4	2 33	9 8	0 46	18 9
M29	21 34	1 1	2 27	22 37	0 28	21 58	0 2	13 15	1 24	17 55	0 51	13 3	2 33	9 8	0 46	18 9
T30	21 43	5n19	1 19	22 19	0 45	22 11	0n 1	13 3	1 23	17 53	0 51	13 2	2 33	9 8	0 46	18 9
W31	21n52	11n19	0s 7	22n 0	1s 2	22n23	0n 3	12n52	1n21	17n50	0n51	13s 1	2n32	9s 8	0s46	18s 9

Julian Day Number = 2392130.5, Delta T = 7.87 sec
 Ecliptic obliquity = 23°27'46, Nutation = - 0°00'10, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°28'08, Lahiri = 21°35'08

ASTRODIENST EPHEMERIS for the year 1837

geocentric

JUNE 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 37 5	10 ^{II} 13'54	12 ^{II} 55	18°R50	13 ^{II} 51	0 ^{III} 10	12 ^{II} 48	11°R55	8 ^{II} 26	8°R 5	16 ^Y 32	1°R11	29 ^Y 38	7 ^{II} 50	15 ^{II} 13	T 1
F 2	16 41 1	11°11'22	25°46	18 ^{II} 24	15° 5	0°40	12°57	11 ^{II} 51	8°27	8 ^{II} 5	16°33	1 ^{II} 9	29°34	7°56	15°18	F 2
S 3	16 44 58	12° 8'49	8 ^{II} 25	17°56	16°19	1° 9	13° 6	11°47	8°27	8° 4	16°34	1° 4	29°31	8° 3	15°23	S 3
S 4	16 48 54	13° 6'16	20°53	17°25	17°32	1°39	13°15	11°44	8°28	8° 3	16°35	0°58	29°28	8°10	15°28	S 4
M 5	16 52 51	14° 3'41	3 ^{III} 11	16°53	18°46	2° 9	13°25	11°40	8°28	8° 2	16°36	0°51	29°25	8°16	15°33	M 5
T 6	16 56 47	15° 1'05	15°19	16°20	20° 0	2°39	13°34	11°37	8°28	8° 2	16°37	0°43	29°22	8°23	15°39	T 6
W 7	17 0 44	15°58'29	27°19	15°47	21°14	3°10	13°44	11°34	8°29	8° 1	16°38	0°35	29°19	8°30	15°44	W 7
T 8	17 4 41	16°55'51	9 ^{II} 13	15°13	22°27	3°40	13°53	11°30	8°29	8° 0	16°39	0°28	29°15	8°37	15°49	T 8
F 9	17 8 37	17°53'13	21° 5	14°40	23°41	4°11	14° 3	11°27	8°29	7°59	16°39	0°23	29°12	8°43	15°54	F 9
S 10	17 12 34	18°50'33	2 ^{III} 58	14° 9	24°55	4°42	14°13	11°24	8°29	7°58	16°40	0°19	29° 9	8°50	16° 0	S 10
S 11	17 16 30	19°47'52	14°56	13°39	26° 8	5°13	14°23	11°21	8°29	7°57	16°41	0°D18	29° 6	8°57	16° 5	S 11
M12	17 20 27	20°45'11	27° 4	13°12	27°22	5°44	14°33	11°18	8°29	7°56	16°42	0°18	29° 3	9° 3	16°10	M12
T 13	17 24 23	21°42'28	9 ^{II} 28	12°47	28°36	6°15	14°43	11°15	8°R30	7°55	16°42	0°19	29° 0	9°10	16°15	T 13
W14	17 28 20	22°39'45	22°12	12°25	29°50	6°47	14°53	11°12	8°29	7°54	16°43	0°20	28°56	9°17	16°20	W14
T 15	17 32 16	23°37'01	5 ^{II} 20	12° 7	1 ^{III} 3	7°18	15° 3	11°10	8°29	7°53	16°44	0°R20	28°53	9°24	16°26	T 15
F 16	17 36 13	24°34'16	18°55	11°53	2°17	7°50	15°13	11° 7	8°29	7°52	16°44	0°18	28°50	9°30	16°31	F 16
S 17	17 40 9	25°31'31	2 ^{III} 56	11°43	3°31	8°22	15°24	11° 4	8°29	7°51	16°45	0°15	28°47	9°37	16°36	S 17
S 18	17 44 6	26°28'45	17°23	11°37	4°44	8°54	15°34	11° 2	8°29	7°50	16°46	0° 9	28°44	9°44	16°41	S 18
M19	17 48 3	27°25'58	2 ^{III} 9	11°D36	5°58	9°26	15°45	10°59	8°29	7°49	16°46	0° 1	28°40	9°51	16°46	M19
T 20	17 51 59	28°23'11	6° 6	11°39	7°12	9°58	15°55	10°57	8°28	7°48	16°47	29°Y53	28°37	9°57	16°52	T 20
W21	17 55 56	29°20'24	2 ^{III} 6	11°47	8°25	10°30	16° 6	10°55	8°28	7°47	16°47	29°44	28°34	10° 4	16°57	W21
T 22	17 59 52	0 ^{III} 17'37	17° 0	12° 0	9°39	11° 3	16°17	10°53	8°28	7°45	16°48	29°37	28°31	10°11	17° 2	T 22
F 23	18 3 49	1°14'49	1 ^{III} 39	12°17	10°52	11°35	16°28	10°51	8°27	7°44	16°48	29°32	28°28	10°17	17° 7	F 23
S 24	18 7 45	2°12'01	15°59	12°40	12° 6	12° 8	16°39	10°49	8°27	7°43	16°49	29°29	28°25	10°24	17°12	S 24
S 25	18 11 42	3° 9'14	29°58	13° 6	13°20	12°41	16°50	10°47	8°26	7°42	16°49	29°D27	28°21	10°31	17°17	S 25
M26	18 15 39	4° 6'26	13°Y35	13°38	14°33	13°14	17° 1	10°45	8°25	7°41	16°50	29°28	28°18	10°38	17°22	M26
T 27	18 19 35	5° 3'39	26°52	14°14	15°47	13°47	17°12	10°43	8°25	7°39	16°50	29°R28	28°15	10°44	17°27	T 27
W28	18 23 32	6° 0'51	9 ^{II} 52	14°55	17° 1	14°20	17°23	10°41	8°24	7°38	16°51	29°28	28°12	10°51	17°32	W28
T 29	18 27 28	6°58'04	22°38	15°40	18°14	14°53	17°35	10°40	8°23	7°37	16°51	29°25	28° 9	10°58	17°38	T 29
F 30	18 31 25	7 ^{III} 55'17	5 ^{II} 11	16 ^{II} 30	19 ^{II} 28	15 ^{III} 27	17 ^{II} 46	10 ^{III} 38	8 ^{II} 23	7 ^{III} 35	16°Y52	29°Y21	28°Y 6	11 ^{II} 4	17 ^{II} 43	F 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
T 1	22n 0	16n44	1n 3	21n41	1s19	22n35	0n 6	12n40	1n20	17n48	0n51	13s 0	2n32	9s 8	0s46	18s 9	0n 7	9s 8	16s55	11n54	11n21	23n15	17n53	4s47	
F 2	22 8	21 19	2 9	21 21	1 37	22 46	0 8	12 29	1 19	17 45	0 51	13 0	2 32	9 7	0 46	18 9	0 7	9 7	16 56	11 53	11 20	23 13	17 54	4 47	
S 3	22 16	24 49	3 8	21 2	1 54	22 56	0 10	12 17	1 18	17 43	0 51	12 59	2 32	9 7	0 46	18 10	0 7	9 7	16 56	11 52	11 19	23 11	17 54	4 47	
S 4	22 24	27 5	3 56	20 42	2 11	23 5	0 13	12 5	1 16	17 40	0 51	12 58	2 32	9 7	0 46	18 10	0 7	9 7	16 56	11 49	11 18	23 9	17 55	4 47	
M 5	22 31	27 58	4 33	20 23	2 27	23 14	0 15	11 53	1 15	17 37	0 51	12 57	2 32	9 7	0 46	18 10	0 7	9 7	16 57	11 47	11 17	23 7	17 55	4 47	
T 6	22 37	27 30	4 57	20 4	2 43	23 22	0 17	11 41	1 14	17 34	0 50	12 56	2 31	9 7	0 46	18 10	0 7	9 7	16 57	11 44	11 15	23 5	17 56	4 47	
W 7	22 43	25 44	5 7	19 45	2 58	23 30	0 20	11 29	1 13	17 32	0 50	12 55	2 31	9 7	0 46	18 10	0 7	9 7	16 57	11 41	11 14	23 3	17 56	4 47	
T 8	22 49	22 51	5 4	19 28	3 12	23 37	0 22	11 17	1 12	17 29	0 50	12 54	2 31	9 7	0 46	18 11	0 7	9 7	16 58	11 39	11 13	23 1	17 56	4 48	
F 9	22 55	19 2	4 48	19 11	3 25	23 43	0 24	11 5	1 11	17 26	0 50	12 53	2 31	9 7	0 46	18 11	0 7	9 7	16 58	11 37	11 12	22 59	17 57	4 48	
S 10	23 0	14 27	4 19	18 56	3 37	23 49	0 27	10 53	1 9	17 23	0 50	12 53	2 31	9 7	0 46	18 11	0 7	9 7	16 58	11 36	11 11	22 57	17 57	4 48	
S 11	23 4	9 19	3 39	18 42	3 47	23 53	0 29	10 40	1 8	17 20	0 50	12 52	2 30	9 7	0 46	18 11	0 7	9 7	16 58	11 35	11 10	22 55	17 58	4 48	
M12	23 8	3 45	2 49	18 29	3 57	23 57	0 31	10 28	1 7	17 17	0 50	12 51	2 30	9 7	0 46	18 12	0 7	9 7	16 59	11 35	11 9	22 53	17 58	4 48	
T 13	23 12	2s 4	1 50	18 18	4 5	24 1	0 34	10 15	1 6	17 14	0 50	12 51	2 30	9 7	0 47	18 12	0 7	9 7	16 59	11 36	11 8	22 52	17 59	4 48	
W14	23 16	7 59	0 44	18 9	4 12	24 4	0 36	10 2	1 5	17 11	0 50	12 50	2 30	9 7	0 47	18 12	0 7	9 7	16 59	11 36	11 6	22 50	17 59	4 48	
T 15	23 19	13 44	0s27	18 1	4 17	24 5	0 38	9 50	1 4	17 8	0 50	12 49	2 30	9 7	0 47	18 12	0 7	9 7	17 0	11 36	11 5	22 48	17 59	4 48	
F 16	23 21	19 2	1 38	17 56	4 21	24 7	0 40	9 37	1 3	17 5	0 50	12 49	2 29	9 7	0 47	18 13	0 7	9 7	17 0	11 35	11 4	22 46	18 0	4 48	
S 17	23 23	23 28	2 45	17 52	4 23	24 7	0 42	9 24	1 2	17 2	0 50	12 48	2 29	9 7	0 47	18 13	0 7	9 7	17 0	11 34	11 3	22 44	18 0	4 49	
S 18	23 25	26 35	3 44	17 50	4 25	24 7	0 44	9 11	1 1	16 59	0 50	12 47	2 29	9 7	0 47	18 13	0 7	9 8	17 1	11 32	11 2	22 42	18 0	4 49	
M19	23 26	27 56	4 29	17 50	4 25	24 6	0 47	8 58	0 59	16 56	0 50	12 47	2 29	9 7	0 47	18 14	0 7	9 8	17 1	11 29	11 1	22 40	18 1	4 49	
T 20	23 27	27 16	4 57	17 51	4 23	24 5	0 49	8 45	0 58	16 52	0 50	12 46	2 28	9 7	0 47	18 14	0 7	9 8	17 1	11 26	11 0	22 38	18 1	4 49	
W21	23 28	24 38	5 4	17 55	4 21	24 2	0 51	8 31	0 57	16 49	0 50	12 46	2 28	9 8	0 47	18 14	0 7	9 8	17 2	11 23	10 59	22 35	18 1	4 49	
T 22	23 28	20 22	4 50	18 0	4 18	23 59	0 53	8 18	0 56	16 46	0 50	12 46	2 28	9 8	0 47	18 15	0 7	9 8	17 2	11 21	10 57	22 33	18 2	4 49	
F 23	23 27	14 55	4 18	18 6	4 13	23 55	0 55	8 5	0 55	16 43	0 50	12 45	2 28	9 8	0 47	18 15	0 7	9 8	17 2	11 19	10 56	22 31	18 2	4 49	
S 24	23 27	8 45	3 30	18 15	4 7	23 51	0 57	7 51	0 54	16 39	0 50	12 45	2 28	9 8	0 47	18 15	0 7	9 8	17 3	11 18	10 55	22 29	18 2	4 50	
S 25	23 25	2 19	2 30	18 25	4 1	23 46	0 58	7 38	0 53	16 36	0 50	12 44	2 27	9 8	0 47	18 15	0 7	9 8	17 3	11 17	10 54	22 27	18 3	4 50	
M26	23 24	4n 5	1 24	18 36	3 54	23 40	1 0	7 24	0 52	16 33	0 50	12 44	2 27	9 9	0 47	18 16	0 7	9 8	17 3	11 18	10 53	22 25	18 3	4 50	
T 27	23 22	10 9	0 14	18 48	3 46	23 33	1 2	7 10	0 51	16 29	0 50	12 44	2 27	9 9	0 47	18 16	0 7	9 9	17 4	11 18	10 52	22 23	18 3	4 50	
W28	23 20	15 40	0n55	19 1	3 37	23 26	1 4	6 57	0 50	16 26	0 50	12 43	2 27	9 9	0 47	18 16	0 7	9 9	17 4	11 18	10 51	22 21	18 4	4 50	
T 29	23 17	20 23	2 0	19 15	3 27	23 18	1 6	6 43	0 49	16 22	0 50	12 43	2 26	9 10	0 47	18 17	0 6	9 9	17 5	11 17	10 49	22 19	18 4	4 51	
F 30	23n14	24n 6	2n58	19n31	3s17	23n 9	1n 7	6n29	0n48	16n19	0n50	12s43	2n26	9s10	0s47	18s17	0n 6	9s 9	17s 5	11n15	10n48	22n17	18n 4	4s51	

ASTRODIENST EPHEMERIS for the year 1837

geocentric

JULY 1837

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 35 21	8°52'30	17°11'35	17°11'25	20°54'42	16°17'0	17°12'57	10°R37	8°R22	7°R34	16°V52	29°R13	28°V 2	11°11'11	17°11'48	S 1
S 2	18 39 18	9°49'43	29°49	18°23	21°55	16°34	18° 9	10°M36	8°H21	7°H32	16°52	29°V 3	27°59	11°18	17°53	S 2
M 3	18 43 14	10°46'56	11°56	19°26	23° 9	17° 8	18°20	10°35	8°20	7°31	16°53	28°51	27°56	11°25	17°58	M 3
T 4	18 47 11	11°44'09	23°57	20°33	24°22	17°42	18°32	10°34	8°19	7°30	16°53	28°38	27°53	11°31	18° 2	T 4
W 5	18 51 8	12°41'22	5°12'52	21°45	25°36	18°16	18°44	10°33	8°18	7°28	16°53	28°25	27°50	11°38	18° 7	W 5
T 6	18 55 4	13°38'35	17°44	23° 0	26°50	18°50	18°55	10°32	8°17	7°27	16°53	28°14	27°46	11°45	18°12	T 6
F 7	18 59 1	14°35'48	29°34	24°20	28° 3	19°24	19° 7	10°31	8°16	7°25	16°54	28° 4	27°43	11°52	18°17	F 7
S 8	19 2 57	15°33'01	11°17'26	25°43	29°17	19°59	19°19	10°30	8°15	7°24	16°54	27°57	27°40	11°58	18°22	S 8
S 9	19 6 54	16°30'14	23°23	27°11	0°13'31	20°33	19°31	10°30	8°14	7°22	16°54	27°53	27°37	12° 5	18°27	S 9
M10	19 10 50	17°27'27	5°13'30	28°42	1°44	21° 8	19°43	10°29	8°12	7°21	16°54	27°51	27°34	12°12	18°32	M10
T 11	19 14 47	18°24'40	17°51	0°13'17	2°58	21°43	19°55	10°29	8°11	7°19	16°54	27°D51	27°31	12°18	18°36	T 11
W12	19 18 43	19°21'53	0°13'31	1°56	4°11	22°17	20° 7	10°28	8°10	7°18	16°55	27°R51	27°27	12°25	18°41	W12
T 13	19 22 40	20°19'06	13°36	3°39	5°25	22°52	20°19	10°28	8° 9	7°16	16°55	27°50	27°24	12°32	18°46	T 13
F 14	19 26 37	21°16'19	27° 8	5°24	6°38	23°27	20°31	10°28	8° 7	7°15	16°55	27°48	27°21	12°39	18°51	F 14
S 15	19 30 33	22°13'32	11°17'10	7°13	7°52	24° 2	20°43	10°D28	8° 6	7°13	16°55	27°43	27°18	12°45	18°55	S 15
S 16	19 34 30	23°10'46	25°40	9° 5	9° 6	24°38	20°56	10°28	8° 4	7°12	16°55	27°36	27°15	12°52	19° 0	S 16
M17	19 38 26	24° 8'00	10°13'35	11° 0	10°19	25°13	21° 8	10°28	8° 3	7°10	16°R55	27°26	27°12	12°59	19° 4	M17
T 18	19 42 23	25° 5'14	25°46	12°58	11°33	25°48	21°20	10°29	8° 1	7° 9	16°55	27°16	27° 8	13° 5	19° 9	T 18
W19	19 46 19	26° 2'29	11°13'3	14°57	12°46	26°24	21°33	10°29	8° 0	7° 7	16°55	27° 5	27° 5	13°12	19°14	W19
T 20	19 50 16	26°59'44	26°15	16°59	14° 0	26°59	21°45	10°30	7°58	7° 5	16°55	26°56	27° 2	13°19	19°18	T 20
F 21	19 54 13	27°57'00	11°13'10	19° 2	15°13	27°35	21°57	10°30	7°57	7° 4	16°55	26°49	26°59	13°26	19°22	F 21
S 22	19 58 9	28°54'16	25°44	21° 7	16°27	28°11	22°10	10°31	7°55	7° 2	16°55	26°44	26°56	13°32	19°27	S 22
S 23	20 2 6	29°51'34	9°V51	23°13	17°40	28°47	22°22	10°32	7°53	7° 1	16°54	26°42	26°52	13°39	19°31	S 23
M24	20 6 2	0°14'48'52	23°32	25°19	18°54	29°23	22°35	10°33	7°51	6°59	16°54	26°41	26°49	13°46	19°36	M24
T 25	20 9 59	1°46'12	6°B48	27°26	20° 7	29°59	22°48	10°33	7°50	6°57	16°54	26°41	26°46	13°52	19°40	T 25
W26	20 13 55	2°43'33	19°42	29°32	21°21	0°13'35	23° 0	10°35	7°48	6°56	16°54	26°41	26°43	13°59	19°44	W26
T 27	20 17 52	3°40'54	2°11'19	1°11	23°13	1°11	23°13	10°36	7°46	6°54	16°54	26°38	26°40	14° 6	19°48	T 27
F 28	20 21 48	4°38'17	14°42	3°45	23°48	1°47	23°26	10°37	7°44	6°52	16°54	26°33	26°37	14°13	19°53	F 28
S 29	20 25 45	5°35'41	26°54	5°51	25° 1	2°24	23°38	10°38	7°42	6°51	16°53	26°25	26°33	14°19	19°57	S 29
S 30	20 29 42	6°33'06	8°58	7°56	26°15	3° 0	23°51	10°40	7°40	6°49	16°53	26°15	26°30	14°26	20° 1	S 30
M31	20 33 38	7°13'30'31	20°57	9°15'59	27°12'28	3°13'37	24°14	10°M41	7°H38	6°H48	16°V53	26°V 2	26°V27	14°13'33	20°11'5	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23n10	26n38	3n46	19n46	3 s 6	23n 0	1n 9	6n15	0n47	16n15	0n50	12s43	2n26	9s10	0s47	18s18	0n 6	9s 9	17s 5	11n12	10n47	22n15	18n 4	4s51	
S 2	23 6	27 51	4 23	20 3	2 55	22 50	1 10	6 1	0 46	16 12	0 50	12 43	2 26	9 11	0 47	18 18	0 6	9 10	17 6	11 9	10 46	22 13	18 4	4 51	
M 3	23 1	27 42	4 48	20 19	2 44	22 39	1 12	5 47	0 45	16 8	0 50	12 43	2 25	9 11	0 47	18 18	0 6	9 10	17 6	11 5	10 45	22 11	18 5	4 51	
T 4	22 57	26 15	5 0	20 36	2 32	22 28	1 13	5 33	0 44	16 4	0 50	12 42	2 25	9 11	0 47	18 19	0 6	9 10	17 6	11 0	10 44	22 9	18 5	4 52	
W 5	22 51	23 38	4 58	20 53	2 19	22 16	1 15	5 18	0 43	16 1	0 50	12 42	2 25	9 12	0 47	18 19	0 6	9 10	17 7	10 55	10 43	22 6	18 5	4 52	
T 6	22 46	20 2	4 44	21 10	2 7	22 3	1 16	5 4	0 42	15 57	0 50	12 42	2 25	9 12	0 47	18 19	0 6	9 10	17 7	10 51	10 42	22 4	18 5	4 52	
F 7	22 40	15 38	4 17	21 27	1 54	21 50	1 18	4 50	0 41	15 53	0 50	12 42	2 24	9 13	0 47	18 20	0 6	9 11	17 7	10 48	10 40	22 2	18 5	4 52	
S 8	22 33	10 39	3 39	21 43	1 41	21 36	1 19	4 35	0 40	15 50	0 50	12 42	2 24	9 13	0 47	18 20	0 6	9 11	17 8	10 45	10 39	22 0	18 6	4 53	
S 9	22 27	5 15	2 51	21 58	1 28	21 22	1 20	4 21	0 39	15 46	0 50	12 42	2 24	9 14	0 47	18 21	0 6	9 11	17 8	10 44	10 38	21 58	18 6	4 53	
M10	22 19	0s25	1 55	22 13	1 15	21 7	1 21	4 7	0 38	15 42	0 50	12 43	2 23	9 14	0 48	18 21	0 6	9 11	17 8	10 43	10 37	21 56	18 6	4 53	
T 11	22 12	6 12	0 53	22 26	1 2	20 51	1 22	3 52	0 38	15 38	0 50	12 43	2 23	9 15	0 48	18 21	0 6	9 12	17 9	10 43	10 36	21 54	18 6	4 53	
W12	22 4	11 53	0s14	22 38	0 49	20 35	1 23	3 37	0 37	15 35	0 50	12 43	2 23	9 15	0 48	18 22	0 6	9 12	17 9	10 43	10 35	21 52	18 6	4 54	
T 13	21 55	17 14	1 22	22 49	0 36	20 18	1 24	3 23	0 36	15 31	0 50	12 43	2 23	9 16	0 48	18 22	0 6	9 12	17 10	10 43	10 34	21 49	18 6	4 54	
F 14	21 47	21 56	2 28	22 58	0 23	20 0	1 25	3 8	0 35	15 27	0 50	12 43	2 22	9 16	0 48	18 23	0 6	9 13	17 10	10 42	10 32	21 47	18 6	4 54	
S 15	21 38	25 34	3 27	23 5	0 11	19 42	1 26	2 53	0 34	15 23	0 50	12 44	2 22	9 17	0 48	18 23	0 6	9 13	17 10	10 40	10 31	21 45	18 7	4 54	
S 16	21 28	27 39	4 15	23 10	0n 1	19 24	1 27	2 38	0 33	15 19	0 50	12 44	2 22	9 17	0 48	18 23	0 6	9 13	17 11	10 38	10 30	21 43	18 7	4 55	
M17	21 18	27 49	4 47	23 13	0 13	19 5	1 28	2 24	0 32	15 15	0 50	12 44	2 22	9 18	0 48	18 24	0 6	9 14	17 11	10 34	10 29	21 41	18 7	4 55	
T 18	21 8	25 55	5 0	23 14	0 24	18 45	1 28	2 9	0 31	15 11	0 50	12 44	2 21	9 18	0 48	18 24	0 6	9 14	17 11	10 31	10 28	21 39	18 7	4 55	
W19	20 58	22 8	4 51	23 12	0 35	18 25	1 29	1 54	0 30	15 7	0 50	12 45	2 21	9 19	0 48	18 25	0 6	9 14	17 12	10 27	10 27	21 36	18 7	4 56	
T 20	20 47	16 53	4 22	23 7	0 45	18 4	1 29	1 39	0 29	15 3	0 50	12 45	2 21	9 20	0 48	18 25	0 6	9 15	17 12	10 23	10 26	21 34	18 7	4 56	
F 21	20 36	10 42	3 35	23 0	0 54	17 43	1 30	1 24	0 28	14 59	0 50	12 46	2 21	9 20	0 48	18 25	0 6	9 15	17 12	10 21	10 24	21 32	18 7	4 56	
S 22	20 24	4 5	2 36	22 50	1 3	17 21	1 30	1 9	0 28	14 55	0 50	12 46	2 20	9 21	0 48	18 26	0 6	9 15	17 13	10 19	10 23	21 30	18 7	4 57	
S 23	20 12	2n34	1 28	22 37	1 10	16 59	1 31	0 54	0 27	14 51	0 50	12 47	2 20	9 22	0 48	18 26	0 6	9 16	17 13	10 18	10 22	21 27	18 7	4 57	
M24	20 0	8 53	0 17	22 22	1 18	16 37	1 31	0 39	0 26	14 47	0 50	12 47	2 20	9 22	0 48	18 27	0 6	9 16	17 13	10 18	10 21	21 25	18 7	4 57	
T 25	19 47	14 38	0n53	22 4	1 24	16 14	1 31	0 23	0 25	14 43	0 50	12 48	2 19	9 23	0 48	18 27	0 6	9 16	17 14	10 18	10 20	21 23	18 7	4 57	
W26	19 34	19 35	1 58	21 43	1 29	15 50	1 31	0 8	0 24	14 39	0 50	12 48	2 19	9 24	0 48	18 28	0 6	9 17	17 14	10 18	10 19	21 21	18 7	4 58	
T 27	19 21	23 31	2 56	21 20	1 34	15 26	1 31	0s 7	0 23	14 35	0 50	12 49	2 19	9 24	0 48	18 28	0 6	9 17	17 15	10 17	10 18	21 19	18 7	4 58	
F 28	19 7	26 18	3 45	20 55	1 38	15 2	1 31	0 22	0 22	14 31	0 50	12 50	2 19	9 25	0 48	18 28	0 6	9 18	17 15	10 15	10 16	21 16	18 7	4 59	
S 29	18 53	27 47	4 22	20 28	1 41	14 37	1 31	0 38	0 22	14 26	0 50	12 50	2 18	9 26	0 48	18 29	0 6	9 18	17 15	10 12	10 15	21 14	18 7	4 59	
S 30	18 39	27 56	4 47	19 58	1 44	14 12	1 31	0 53	0 21	14 22	0 50	12 51	2 18	9 27	0 48	18 29	0 6	9 18	17 16	10 8	10 14	21 12	18 7	4 59	
M31	18n25	26n45	4n59	19n27	1n45	13n47	1n31	1s 8	0n20	14n18	0n50	12s52	2n18	9s27	0s48	18s30	0n 6	9s19	17s16	10n 4	10n13	21n10	18n 7	5s 8	

ASTRODIENST EPHEMERIS for the year 1837

geocentric

AUGUST 1837

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 37 35	8♂2758	2♂51	12♂2	28♂42	4♂14	24♂17	10♂43	7°R36	6°R46	16°R53	25°R49	26°Y24	14♂39	20♂9	T 1
W 2	20 41 31	9°25'26	14°43	14° 3	29°55	4°51	24°29	10°45	7°R34	6°R44	16°Y52	25°Y35	26°21	14°46	20°13	W 2
T 3	20 45 28	10°22'54	26°34	16° 3	1°19 9	5°27	24°42	10°47	7°32	6°43	16°52	25°23	26°18	14°53	20°17	T 3
F 4	20 49 24	11°20'24	8♂26	18° 2	2°22	6° 4	24°55	10°48	7°30	6°41	16°52	25°13	26°14	15° 0	20°21	F 4
S 5	20 53 21	12°17'54	20°20	19°59	3°35	6°42	25° 8	10°50	7°28	6°39	16°51	25° 6	26°11	15° 6	20°24	S 5
S 6	20 57 17	13°15'25	2♂20	21°55	4°49	7°19	25°21	10°53	7°26	6°38	16°51	25° 1	26° 8	15°13	20°28	S 6
M 7	21 1 14	14°12'57	14°28	23°49	6° 2	7°56	25°34	10°55	7°24	6°36	16°50	24°59	26° 5	15°20	20°32	M 7
T 8	21 5 11	15°10'30	26°50	25°42	7°16	8°33	25°47	10°57	7°22	6°35	16°50	24°D58	26° 2	15°26	20°36	T 8
W 9	21 9 7	16° 8'04	9♂28	27°34	8°29	9°11	26° 0	10°59	7°20	6°33	16°49	24°59	25°58	15°33	20°39	W 9
T 10	21 13 4	17° 5'39	22°29	29°23	9°42	9°48	26°13	11° 2	7°18	6°31	16°49	24°R59	25°55	15°40	20°43	T 10
F 11	21 17 0	18° 3'15	5♂55	1°19 12	10°56	10°26	26°26	11° 5	7°15	6°30	16°48	24°57	25°52	15°47	20°46	F 11
S 12	21 20 57	19° 0'51	19°49	2°58	12° 9	11° 4	26°39	11° 7	7°13	6°28	16°48	24°54	25°49	15°53	20°50	S 12
S 13	21 24 53	19°58'29	4♂13	4°44	13°22	11°41	26°52	11°10	7°11	6°27	16°47	24°48	25°46	16° 0	20°53	S 13
M14	21 28 50	20°56'08	19° 2	6°27	14°36	12°19	27° 5	11°13	7° 9	6°25	16°47	24°40	25°43	16° 7	20°56	M14
T 15	21 32 46	21°53'48	4♂10	8°10	15°49	12°57	27°18	11°16	7° 6	6°23	16°46	24°32	25°39	16°13	21° 0	T 15
W16	21 36 43	22°51'29	19°29	9°51	17° 2	13°35	27°31	11°19	7° 4	6°22	16°46	24°23	25°36	16°20	21° 3	W16
T 17	21 40 40	23°49'11	4♂45	11°30	18°15	14°13	27°44	11°22	7° 2	6°20	16°45	24°14	25°33	16°27	21° 6	T 17
F 18	21 44 36	24°46'54	19°50	13° 8	19°29	14°51	27°57	11°25	6°59	6°19	16°44	24° 8	25°30	16°34	21° 9	F 18
S 19	21 48 33	25°44'39	4°Y34	14°45	20°42	15°30	28°10	11°28	6°57	6°17	16°44	24° 5	25°27	16°40	21°12	S 19
S 20	21 52 29	26°42'26	18°51	16°20	21°55	16° 8	28°23	11°32	6°55	6°16	16°43	24°D 3	25°24	16°47	21°15	S 20
M21	21 56 26	27°40'15	2♂40	17°54	23° 8	16°46	28°36	11°35	6°52	6°14	16°42	24° 3	25°20	16°54	21°18	M21
T 22	22 0 22	28°38'05	16° 2	19°26	24°21	17°25	28°49	11°39	6°50	6°13	16°42	24° 4	25°17	17° 0	21°21	T 22
W23	22 4 19	29°35'57	28°58	20°57	25°35	18° 4	29° 2	11°42	6°48	6°11	16°41	24°R 5	25°14	17° 7	21°24	W23
T 24	22 8 15	0♂33'51	11♂34	22°27	26°48	18°42	29°15	11°46	6°45	6°10	16°40	24° 4	25°11	17°14	21°27	T 24
F 25	22 12 12	1°31'46	23°54	23°55	28° 1	19°21	29°28	11°50	6°43	6° 8	16°40	24° 1	25° 8	17°21	21°29	F 25
S 26	22 16 9	2°29'44	6♂1	25°22	29°14	20° 0	29°41	11°54	6°41	6° 7	16°39	23°57	25° 4	17°27	21°32	S 26
S 27	22 20 5	3°27'43	18° 0	26°47	0♂27	20°39	29°54	11°57	6°38	6° 6	16°38	23°50	25° 1	17°34	21°35	S 27
M28	22 24 2	4°25'44	29°54	28°11	1°40	21°18	0♂8	12° 1	6°36	6° 4	16°37	23°42	24°58	17°41	21°37	M28
T 29	22 27 58	5°23'47	11♂46	29°33	2°53	21°57	0°21	12° 6	6°33	6° 3	16°36	23°32	24°55	17°47	21°40	T 29
W30	22 31 55	6°21'51	23°37	0♂54	4° 6	22°36	0°34	12°10	6°31	6° 1	16°36	23°23	24°52	17°54	21°42	W30
T 31	22 35 51	7♂19'58	5♂30	2♂13	5♂19	23♂15	0♂47	12♂14	6♂29	6♂0	16°Y35	23°Y15	24°Y49	18♂1	21♂44	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
T 1	18n10	24n22	4n58	18n54	1n46	13n21	1n30	1s24	0n19	14n14	0n50	12s52	2n18	9s28	0s48	18s30
W 2	17 55	20 57	4 44	18 20	1 46	12 55	1 30	1 39	0 18	14 9	0 50	12 53	2 17	9 29	0 48	18 30
T 3	17 39	16 42	4 17	17 44	1 46	12 29	1 30	1 54	0 17	14 5	0 50	12 54	2 17	9 30	0 48	18 31
F 4	17 24	11 49	3 40	17 6	1 45	12 2	1 29	2 10	0 16	14 1	0 50	12 55	2 17	9 30	0 48	18 31
S 5	17 8	6 29	2 53	16 28	1 43	11 35	1 29	2 25	0 16	13 57	0 50	12 56	2 17	9 31	0 48	18 32
S 6	16 51	0 52	1 57	15 49	1 41	11 7	1 28	2 41	0 15	13 52	0 50	12 57	2 16	9 32	0 48	18 32
M 7	16 35	4s51	0 55	15 8	1 38	10 39	1 27	2 56	0 14	13 48	0 50	12 58	2 16	9 33	0 48	18 33
T 8	16 18	10 30	0s10	14 27	1 35	10 11	1 26	3 12	0 13	13 44	0 50	12 59	2 16	9 34	0 48	18 33
W 9	16 1	15 52	1 16	13 46	1 31	9 43	1 26	3 27	0 12	13 39	0 50	12 59	2 16	9 34	0 48	18 33
T 10	15 44	20 41	2 21	13 3	1 27	9 15	1 25	3 43	0 12	13 35	0 50	13 0	2 15	9 35	0 48	18 34
F 11	15 26	24 35	3 20	12 21	1 23	8 46	1 24	3 58	0 11	13 30	0 50	13 2	2 15	9 36	0 48	18 34
S 12	15 8	27 12	4 9	11 38	1 18	8 17	1 23	4 14	0 10	13 26	0 50	13 3	2 15	9 37	0 48	18 35
S 13	14 50	28 8	4 44	10 54	1 12	7 48	1 21	4 29	0 9	13 22	0 50	13 4	2 15	9 38	0 48	18 35
M14	14 32	27 6	5 2	10 11	1 6	7 18	1 20	4 45	0 8	13 17	0 50	13 5	2 14	9 39	0 48	18 35
T 15	14 13	24 4	4 59	9 27	1 0	6 49	1 19	5 0	0 8	13 13	0 50	13 6	2 14	9 40	0 48	18 36
W16	13 55	19 21	4 35	8 43	0 54	6 19	1 18	5 16	0 7	13 8	0 51	13 7	2 14	9 40	0 48	18 36
T 17	13 36	13 22	3 51	7 59	0 47	5 49	1 16	5 31	0 6	13 4	0 51	13 8	2 14	9 41	0 48	18 37
F 18	13 16	6 40	2 52	7 15	0 40	5 19	1 15	5 47	0 5	12 59	0 51	13 9	2 13	9 42	0 48	18 37
S 19	12 57	0n15	1 42	6 31	0 33	4 49	1 13	6 2	0 5	12 55	0 51	13 11	2 13	9 43	0 48	18 37
S 20	12 37	6 58	0 28	5 48	0 26	4 18	1 12	6 18	0 4	12 50	0 51	13 12	2 13	9 44	0 48	18 38
M21	12 18	13 8	0n46	5 4	0 18	3 48	1 10	6 33	0 3	12 46	0 51	13 13	2 13	9 45	0 48	18 38
T 22	11 58	18 29	1 55	4 21	0 10	3 17	1 8	6 49	0 2	12 41	0 51	13 15	2 12	9 46	0 48	18 39
W23	11 37	22 49	2 56	3 38	0 2	2 46	1 6	7 4	0 2	12 37	0 51	13 16	2 12	9 47	0 48	18 39
T 24	11 17	25 56	3 47	2 55	0s 6	2 16	1 5	7 19	0 1	12 32	0 51	13 17	2 12	9 47	0 48	18 39
F 25	10 56	27 44	4 25	2 12	0 14	1 45	1 3	7 35	0 0	12 28	0 51	13 19	2 12	9 48	0 48	18 40
S 26	10 36	28 11	4 52	1 30	0 22	1 14	1 1	7 50	0s 1	12 23	0 51	13 20	2 11	9 49	0 48	18 40
S 27	10 15	27 17	5 5	0 49	0 31	0 43	0 59	8 6	0 1	12 19	0 51	13 21	2 11	9 50	0 48	18 40
M28	9 54	25 9	5 5	0 7	0 39	0 12	0 56	8 21	0 2	12 14	0 51	13 23	2 11	9 51	0 48	18 41
T 29	9 33	21 56	4 51	0s33	0 48	0s19	0 54	8 36	0 3	12 10	0 51	13 24	2 11	9 52	0 48	18 41
W30	9 11	17 50	4 25	1 14	0 57	0 50	0 52	8 51	0 4	12 5	0 51	13 26	2 10	9 53	0 48	18 41
T 31	8n50	13n 2	3n48	1s53	1s 6	1s21	0n50	9s 7	0s 4	12n 1	0n51	13s27	2n10	9s54	0s48	18s42

Julian Day Number = 2392222.5, Delta T = 7.83 sec
 Ecliptic obliquity = 23°27'45", Nutation = - 0°00'06", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°28'20", Lahiri = 21°35'21"

ASTRODIENST EPHEMERIS for the year 1837

geocentric

SEPTEMBER 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 39 48	8 ^h 18'05	17 ^h 27	3 ^h 31	6 ^h 32	23 ^h 55	1 ^h 0	12 ^h 18	6 ^h R26	5 ^h R59	16 ^h R34	23 ^h R 8	24 ^h Y45	18 ^h Ω 8	21 ^h II46	F 1
S 2	22 43 44	9°16'15	29°28	4°47	7°45	24°34	1°13	12°23	6 ^h X24	5 ^h ≈58	16 ^h Y33	23 ^h Y 3	24°42	18°14	21°49	S 2
S 3	22 47 41	10°14'26	11 ^h 36	6° 1	8°58	25°13	1°26	12°27	6°21	5°56	16°32	23° 1	24°39	18°21	21°51	S 3
M 4	22 51 37	11°12'39	23°53	7°14	10°11	25°53	1°39	12°32	6°19	5°55	16°31	23°D 0	24°36	18°28	21°53	M 4
T 5	22 55 34	12°10'53	6 ^h 12	8°24	11°24	26°33	1°52	12°36	6°17	5°54	16°30	23° 1	24°33	18°34	21°55	T 5
W 6	22 59 31	13° 9'09	19° 6	9°33	12°37	27°12	2° 5	12°41	6°14	5°52	16°29	23° 2	24°29	18°41	21°57	W 6
T 7	23 3 27	14° 7'26	2 ^h 7	10°39	13°50	27°52	2°17	12°46	6°12	5°51	16°28	23° 4	24°26	18°48	21°58	T 7
F 8	23 7 24	15° 5'45	15°31	11°44	15° 3	28°32	2°30	12°51	6°10	5°50	16°27	23°R 4	24°23	18°55	22° 0	F 8
S 9	23 11 20	16° 4'06	29°18	12°46	16°16	29°12	2°43	12°55	6° 7	5°49	16°26	23° 3	24°20	19° 1	22° 2	S 9
S 10	23 15 17	17° 2'28	13 ^h 28	13°45	17°29	29°52	2°56	13° 0	6° 5	5°48	16°25	23° 1	24°17	19° 8	22° 3	S 10
M 11	23 19 13	18° 0'51	28° 2	14°42	18°41	0 ^h 132	3° 9	13° 5	6° 2	5°47	16°24	22°57	24°14	19°15	22° 5	M 11
T 12	23 23 10	18°59'17	12 ^h ≈54	15°36	19°54	1°12	3°22	13°10	6° 0	5°46	16°23	22°53	24°10	19°21	22° 6	T 12
W 13	23 27 7	19°57'43	27°57	16°27	21° 7	1°53	3°35	13°16	5°58	5°45	16°22	22°48	24° 7	19°28	22° 8	W 13
T 14	23 31 3	20°56'12	13 ^h 7	17°15	22°20	2°33	3°47	13°21	5°56	5°44	16°21	22°44	24° 4	19°35	22° 9	T 14
F 15	23 35 0	21°54'42	28° 2	18° 0	23°32	3°13	4° 0	13°26	5°53	5°43	16°20	22°40	24° 1	19°42	22°10	F 15
S 16	23 38 56	22°53'14	12 ^h Y45	18°41	24°45	3°54	4°13	13°31	5°51	5°42	16°19	22°39	23°58	19°48	22°11	S 16
S 17	23 42 53	23°51'49	27° 6	19°17	25°58	4°34	4°25	13°37	5°49	5°41	16°18	22°D38	23°55	19°55	22°13	S 17
M 18	23 46 49	24°50'25	11 ^h 8	19°50	27°10	5°15	4°38	13°42	5°47	5°40	16°17	22°39	23°51	20° 2	22°14	M 18
T 19	23 50 46	25°49'04	24°29	20°17	28°23	5°56	4°51	13°48	5°44	5°39	16°16	22°41	23°48	20° 8	22°14	T 19
W 20	23 54 42	26°47'45	7 ^h II32	20°40	29°35	6°36	5° 3	13°53	5°42	5°38	16°15	22°42	23°45	20°15	22°15	W 20
T 21	23 58 39	27°46'28	20°12	20°57	0 ^h 148	7°17	5°16	13°59	5°40	5°37	16°14	22°43	23°42	20°22	22°16	T 21
F 22	0 2 35	28°45'14	2 ^h 34	21° 9	2° 0	7°58	5°28	14° 5	5°38	5°36	16°13	22°R44	23°39	20°28	22°17	F 22
S 23	0 6 32	29°44'01	14°41	21°R14	3°13	8°39	5°41	14°10	5°36	5°35	16°12	22°43	23°35	20°35	22°17	S 23
S 24	0 10 29	0 ^h 42'51	26°39	21°13	4°25	9°20	5°53	14°16	5°34	5°35	16°11	22°41	23°32	20°42	22°18	S 24
M 25	0 14 25	1°41'44	8 ^h Ω32	21° 5	5°38	10° 1	6° 6	14°22	5°32	5°34	16°10	22°38	23°29	20°49	22°18	M 25
T 26	0 18 22	2°40'38	20°23	20°49	6°50	10°43	6°18	14°28	5°29	5°33	16° 9	22°35	23°26	20°55	22°19	T 26
W 27	0 22 18	3°39'35	2 ^h 15	20°26	8° 2	11°24	6°30	14°34	5°27	5°32	16° 7	22°32	23°23	21° 2	22°19	W 27
T 28	0 26 15	4°38'33	14°13	19°56	9°15	12° 5	6°43	14°40	5°25	5°32	16° 6	22°29	23°20	21° 9	22°19	T 28
F 29	0 30 11	5°37'34	26°17	19°18	10°27	12°47	6°55	14°46	5°23	5°31	16° 5	22°27	23°16	21°15	22°20	F 29
S 30	0 34 8	6 ^h 36'37	8 ^h 29	18 ^h 33	11 ^h 39	13 ^h 28	7 ^h 7	14 ^h 52	5 ^h X21	5 ^h ≈31	16 ^h Y 4	22 ^h Y25	23 ^h Y13	21 ^h Ω22	22°R20	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	8n28	7n44	3n 0	2s32	1s14	1s52	0n47	9s22	0s 5	11n56	0n52	13s29	2n10	9s55	0s48	F 1
S 2	8 6	2 6	2 4	3 10	1 23	2 23	0 45	9 37	0 6	11 52	0 52	13 30	2 10	9 55	0 48	S 2
S 3	7 44	3s39	1 1	3 48	1 32	2 54	0 43	9 52	0 7	11 47	0 52	13 32	2 10	9 56	0 48	S 3
M 4	7 22	9 21	0s 5	4 25	1 41	3 25	0 40	10 7	0 7	11 42	0 52	13 33	2 9	9 57	0 48	M 4
T 5	7 0	14 47	1 12	5 1	1 50	3 56	0 38	10 22	0 8	11 38	0 52	13 35	2 9	9 58	0 48	T 5
W 6	6 38	19 43	2 17	5 36	1 58	4 27	0 35	10 37	0 9	11 33	0 52	13 37	2 9	9 59	0 48	W 6
T 7	6 15	23 49	3 17	6 10	2 7	4 58	0 32	10 52	0 9	11 29	0 52	13 38	2 9	10 0	0 48	T 7
F 8	5 53	26 46	4 7	6 43	2 15	5 29	0 30	11 7	0 10	11 24	0 52	13 40	2 9	10 1	0 48	F 8
S 9	5 30	28 13	4 45	7 15	2 24	5 59	0 27	11 22	0 11	11 20	0 52	13 42	2 8	10 2	0 48	S 9
S 10	5 7	27 52	5 7	7 46	2 32	6 30	0 24	11 37	0 11	11 15	0 52	13 43	2 8	10 2	0 48	S 10
M 11	4 45	25 38	5 10	8 16	2 40	7 0	0 21	11 52	0 12	11 10	0 52	13 45	2 8	10 3	0 48	M 11
T 12	4 22	21 38	4 53	8 44	2 48	7 30	0 19	12 6	0 13	11 6	0 52	13 47	2 8	10 4	0 48	T 12
W 13	3 59	16 11	4 15	9 11	2 56	8 0	0 16	12 21	0 14	11 1	0 53	13 48	2 8	10 5	0 48	W 13
T 14	3 36	9 44	3 20	9 36	3 3	8 30	0 13	12 35	0 14	10 57	0 53	13 50	2 7	10 6	0 48	T 14
F 15	3 13	2 47	2 11	10 0	3 10	9 0	0 10	12 50	0 15	10 52	0 53	13 52	2 7	10 7	0 48	F 15
S 16	2 50	4n13	0 54	10 21	3 17	9 29	0 7	13 4	0 16	10 48	0 53	13 54	2 7	10 7	0 48	S 16
S 17	2 26	10 50	0n24	10 41	3 23	9 59	0 4	13 19	0 16	10 43	0 53	13 55	2 7	10 8	0 48	S 17
M 18	2 3	16 43	1 39	10 59	3 29	10 28	0 1	13 33	0 17	10 39	0 53	13 57	2 7	10 9	0 48	M 18
T 19	1 40	21 35	2 46	11 14	3 34	10 57	0s 2	13 47	0 18	10 34	0 53	13 59	2 6	10 10	0 48	T 19
W 20	1 17	25 14	3 42	11 27	3 38	11 25	0 5	14 1	0 18	10 30	0 53	14 1	2 6	10 11	0 48	W 20
T 21	0 53	27 31	4 25	11 37	3 42	11 54	0 9	14 15	0 19	10 25	0 53	14 3	2 6	10 11	0 48	T 21
F 22	0 30	28 21	4 55	11 44	3 45	12 22	0 12	14 29	0 20	10 21	0 53	14 5	2 6	10 12	0 48	F 22
S 23	0 6	27 48	5 11	11 48	3 47	12 50	0 15	14 43	0 20	10 16	0 54	14 6	2 6	10 13	0 48	S 23
S 24	0s17	25 58	5 14	11 48	3 48	13 17	0 18	14 57	0 21	10 12	0 54	14 8	2 6	10 14	0 48	S 24
M 25	0 40	23 0	5 2	11 45	3 48	13 45	0 21	15 11	0 21	10 7	0 54	14 10	2 5	10 15	0 48	M 25
T 26	1 4	19 6	4 38	11 37	3 46	14 12	0 25	15 24	0 22	10 3	0 54	14 12	2 5	10 15	0 48	T 26
W 27	1 27	14 27	4 2	11 26	3 43	14 38	0 28	15 38	0 23	9 58	0 54	14 14	2 5	10 16	0 48	W 27
T 28	1 51	9 13	3 15	11 10	3 39	15 5	0 31	15 51	0 23	9 54	0 54	14 16	2 5	10 17	0 48	T 28
F 29	2 14	3 37	2 19	10 50	3 32	15 31	0 34	16 4	0 24	9 49	0 54	14 18	2 5	10 17	0 48	F 29
S 30	2s38	2s12	1n16	10s25	3s24	15s56	0s37	16s17	0s25	9n45	0n54	14s20	2n 5	10s18	0s48	S 30

Julian Day Number = 2392253.5, Delta T = 7.82 sec
 Ecliptic obliquity = 23°27'46, Nutation = - 0°00'06, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°28'25, Lahiri = 21°35'25

ASTRODIENST EPHEMERIS for the year 1837
geocentric

OCTOBER 1837

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	0 38 4	7♏35'42	20♌51	17°R40	12♍52	14♍10	7♎19	14♍58	5°R20	5°R30	16°R 3	22°D25	23°Y10	21♏29	22°R20	S 1
M 2	0 42 1	8°34'49	3♍24	16♌42	14° 4	14°52	7°31	15° 4	5♎18	5♏30	16°Y 2	22°Y25	23° 7	21°36	22♏20	M 2
T 3	0 45 58	9°33'57	16°10	15°38	15°16	15°33	7°43	15°11	5°16	5°29	16° 1	22°26	23° 4	21°42	22°19	T 3
W 4	0 49 54	10°33'08	29° 9	14°31	16°28	16°15	7°55	15°17	5°14	5°29	15°59	22°27	23° 1	21°49	22°19	W 4
T 5	0 53 51	11°32'21	12♌22	13°21	17°40	16°57	8° 7	15°23	5°12	5°28	15°58	22°28	22°57	21°56	22°19	T 5
F 6	0 57 47	12°31'35	25°51	12°10	18°53	17°39	8°19	15°30	5°10	5°28	15°57	22°29	22°54	22° 2	22°18	F 6
S 7	1 1 44	13°30'52	9♌37	11° 1	20° 5	18°21	8°31	15°36	5° 9	5°27	15°56	22°R29	22°51	22° 9	22°18	S 7
S 8	1 5 40	14°30'10	23°39	9°55	21°17	19° 3	8°42	15°43	5° 7	5°27	15°55	22°29	22°48	22°16	22°17	S 8
M 9	1 9 37	15°29'29	7♏56	8°54	22°29	19°45	8°54	15°49	5° 5	5°27	15°54	22°28	22°45	22°23	22°17	M 9
T 10	1 13 33	16°28'51	22°26	8° 1	23°41	20°28	9° 6	15°56	5° 4	5°26	15°52	22°28	22°41	22°29	22°16	T 10
W11	1 17 30	17°28'14	7♎5	7°15	24°52	21°10	9°17	16° 2	5° 2	5°26	15°51	22°27	22°38	22°36	22°15	W11
T 12	1 21 27	18°27'39	21°46	6°39	26° 4	21°52	9°29	16° 9	5° 1	5°26	15°50	22°27	22°35	22°43	22°14	T 12
F 13	1 25 23	19°27'06	6°Y24	6°14	27°16	22°35	9°40	16°15	4°59	5°26	15°49	22°26	22°32	22°49	22°14	F 13
S 14	1 29 20	20°26'34	20°52	5°59	28°28	23°17	9°51	16°22	4°58	5°26	15°48	22°D26	22°29	22°56	22°13	S 14
S 15	1 33 16	21°26'05	5♎4	5°D56	29°40	24° 0	10° 3	16°29	4°56	5°26	15°47	22°26	22°26	23° 3	22°11	S 15
M16	1 37 13	22°25'38	18°55	6° 4	0♌51	24°42	10°14	16°35	4°55	5°25	15°46	22°R26	22°22	23° 9	22°10	M16
T 17	1 41 9	23°25'13	2♏25	6°22	2° 3	25°25	10°25	16°42	4°53	5°25	15°44	22°26	22°19	23°16	22° 9	T 17
W18	1 45 6	24°24'51	15°31	6°51	3°15	26° 8	10°36	16°49	4°52	5°D25	15°43	22°26	22°16	23°23	22° 8	W18
T 19	1 49 2	25°24'30	28°15	7°28	4°26	26°51	10°47	16°56	4°51	5°25	15°42	22°26	22°13	23°30	22° 6	T 19
F 20	1 52 59	26°24'12	10♌40	8°15	5°38	27°34	10°58	17° 3	4°50	5°26	15°41	22°26	22°10	23°36	22° 5	F 20
S 21	1 56 56	27°23'57	22°50	9° 9	6°49	28°17	11° 9	17°10	4°48	5°26	15°40	22°D25	22° 7	23°43	22° 3	S 21
S 22	2 0 52	28°23'43	4♏49	10°10	8° 0	29° 0	11°20	17°16	4°47	5°26	15°39	22°25	22° 3	23°50	22° 2	S 22
M23	2 4 49	29°23'32	16°42	11°17	9°12	29°43	11°30	17°23	4°46	5°26	15°38	22°26	22° 0	23°56	22° 0	M23
T 24	2 8 45	0♍23'22	28°33	12°30	10°23	0♌26	11°41	17°30	4°45	5°26	15°36	22°26	21°57	24° 3	21°58	T 24
W25	2 12 42	1°23'15	10♎27	13°47	11°34	1° 9	11°51	17°37	4°44	5°26	15°35	22°27	21°54	24°10	21°57	W25
T 26	2 16 38	2°23'10	22°28	15° 8	12°45	1°53	12° 2	17°44	4°43	5°27	15°34	22°28	21°51	24°16	21°55	T 26
F 27	2 20 35	3°23'07	4♌39	16°32	13°57	2°36	12°12	17°51	4°42	5°27	15°33	22°29	21°47	24°23	21°53	F 27
S 28	2 24 31	4°23'07	17° 3	17°59	15° 8	3°20	12°22	17°58	4°41	5°27	15°32	22°R30	21°44	24°30	21°51	S 28
S 29	2 28 28	5°23'08	29°41	19°29	16°19	4° 3	12°32	18° 5	4°41	5°28	15°31	22°30	21°41	24°37	21°49	S 29
M30	2 32 25	6°23'11	12♍35	21° 0	17°30	4°47	12°42	18°12	4°40	5°28	15°30	22°29	21°38	24°43	21°46	M30
T 31	2 36 21	7♍23'16	25♍44	22♌33	18♌41	5♌30	12♎52	18♍19	4♎39	5♏28	15°Y29	22°Y27	21°Y35	24♌50	21♏44	T 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat	
S 1	3s 1	8s 1	0n 9	9s56	3s14	16s22	0s41	16s30	0s25	9n41	0n55	14s22	2n 4	10s19	0s48	18s50	0n 5	9s50	17s30	8n44	9n 1	18n39	17n47	5s28		
M 2	3 24	13 37	1s 0	9 23	3 2	16 47	0 44	16 43	0 26	9 36	0 55	14 23	2 4	10 19	0 48	18 50	0 5	9 50	17 30	8 44	9 0	18 36	17 46	5 29		
T 3	3 48	18 44	2 8	8 45	2 49	17 11	0 47	16 56	0 26	9 32	0 55	14 25	2 4	10 20	0 48	18 50	0 5	9 51	17 30	8 44	8 58	18 33	17 46	5 29		
W 4	4 11	23 4	3 10	8 5	2 33	17 35	0 50	17 9	0 27	9 27	0 55	14 27	2 4	10 21	0 48	18 50	0 5	9 51	17 30	8 45	8 57	18 31	17 45	5 30		
T 5	4 34	26 18	4 3	7 22	2 16	17 59	0 54	17 21	0 28	9 23	0 55	14 29	2 4	10 21	0 48	18 50	0 5	9 52	17 30	8 45	8 56	18 28	17 44	5 30		
F 6	4 57	28 7	4 43	6 37	1 58	18 22	0 57	17 34	0 28	9 19	0 55	14 31	2 4	10 22	0 48	18 50	0 5	9 52	17 30	8 45	8 55	18 26	17 44	5 31		
S 7	5 20	28 15	5 9	5 52	1 38	18 45	1 0	17 46	0 29	9 15	0 55	14 33	2 4	10 23	0 48	18 50	0 5	9 53	17 30	8 45	8 54	18 23	17 43	5 31		
S 8	5 43	26 35	5 17	5 8	1 18	19 7	1 3	17 58	0 29	9 10	0 55	14 35	2 4	10 23	0 48	18 50	0 5	9 53	17 30	8 45	8 52	18 20	17 43	5 32		
M 9	6 6	23 13	5 5	4 25	0 57	19 29	1 7	18 11	0 30	9 6	0 56	14 37	2 3	10 24	0 48	18 51	0 5	9 54	17 30	8 45	8 51	18 18	17 42	5 32		
T 10	6 29	18 22	4 35	3 45	0 37	19 50	1 10	18 22	0 31	9 2	0 56	14 39	2 3	10 24	0 48	18 51	0 5	9 54	17 30	8 45	8 50	18 15	17 42	5 33		
W11	6 52	12 25	3 46	3 8	0 17	20 11	1 13	18 34	0 31	8 58	0 56	14 41	2 3	10 25	0 48	18 51	0 5	9 54	17 30	8 45	8 49	18 12	17 41	5 34		
T 12	7 15	5 45	2 42	2 36	0n 3	20 31	1 16	18 46	0 32	8 53	0 56	14 43	2 3	10 25	0 48	18 51	0 5	9 55	17 30	8 45	8 48	18 10	17 41	5 34		
F 13	7 37	1n12	1 28	2 9	0 21	20 51	1 19	18 57	0 32	8 49	0 56	14 45	2 3	10 26	0 48	18 51	0 5	9 55	17 30	8 45	8 47	18 7	17 40	5 35		
S 14	8 0	8 1	0 9	1 48	0 38	21 11	1 22	19 9	0 33	8 45	0 56	14 47	2 3	10 27	0 48	18 51	0 5	9 56	17 30	8 44	8 45	18 4	17 40	5 35		
S 15	8 22	14 19	1n 9	1 32	0 54	21 29	1 25	19 20	0 34	8 41	0 57	14 49	2 3	10 27	0 48	18 51	0 5	9 56	17 30	8 44	8 44	18 2	17 39	5 36		
M16	8 44	19 44	2 22	1 23	1 8	21 48	1 29	19 31	0 34	8 37	0 57	14 51	2 3	10 28	0 48	18 51	0 5	9 56	17 30	8 45	8 43	17 59	17 38	5 36		
T 17	9 6	24 0	3 24	1 18	1 20	22 5	1 32	19 42	0 35	8 33	0 57	14 53	2 2	10 28	0 48	18 51	0 5	9 57	17 30	8 44	8 42	17 56	17 38	5 37		
W18	9 28	26 53	4 14	1 20	1 31	22 22	1 35	19 53	0 35	8 29	0 57	14 55	2 2	10 28	0 48	18 51	0 5	9 57	17 30	8 44	8 41	17 54	17 37	5 37		
T 19	9 50	28 16	4 49	1 26	1 40	22 39	1 37	20 3	0 36	8 25	0 57	14 57	2 2	10 29	0 48	18 51	0 5	9 58	17 30	8 44	8 39	17 51	17 37	5 37		
F 20	10 12	28 11	5 10	1 37	1 48	22 55	1 40	20 13	0 36	8 21	0 57	14 59	2 2	10 29	0 48	18 51	0 5	9 58	17 29	8 44	8 38	17 48	17 36	5 38		
S 21	10 33	26 44	5 17	1 53	1 54	23 10	1 43	20 24	0 37	8 17	0 57	15 1	2 2	10 30	0 48	18 51	0 5	9 58	17 29	8 44	8 37	17 46	17 36	5 38		
S 22	10 55	24 5	5 10	2 12	1 59	23 25	1 46	20 34	0 37	8 13	0 58	15 3	2 2	10 30	0 47	18 51	0 5	9 59	17 29	8 44	8 36	17 43	17 35	5 39		
M23	11 16	20 26	4 49	2 35	2 3	23 39	1 49	20 44	0 38	8 9	0 58	15 5	2 2	10 30	0 47	18 51	0 5	9 59	17 29	8 44	8 35	17 40	17 34	5 39		
T 24	11 37	15 59	4 16	3 1	2 5	23 52	1 52	20 53	0 38	8 5	0 58	15 7	2 2	10 31	0 47	18 51	0 5	9 59	17 29	8 45	8 34	17 38	17 34	5 40		
W25	11 58	10 56	3 32	3 30	2 6	24 5	1 54	21 3	0 39	8 1	0 58	15 9	2 2	10 31	0 47	18 51	0 5	10 0	17 29	8 45	8 32	17 35	17 33	5 40		
T 26	12 19	5 25	2 39	4 1	2 7	24 17	1 57	21 12	0 40	7 57	0 58	15 11	2 2	10 31	0 47	18 51	0 5	10 0	17 29	8 45	8 31	17 32	17 33	5 41		
F 27	12 39	0s22	1 37	4 34	2 6	24 28	1 59	21 21	0 40	7 54	0 59	15 13	2 2	10 32	0 47	18 51	0 5	10 0	17 29	8 46	8 30	17 30	17 32	5 41		
S 28	13 0	6 14	0 30	5 8	2 5	24 39	2 2	21 30	0 41	7 50	0 59	15 15	2 1	10 32	0 47	18 51	0 5	10 1	17 29	8 46	8 29	17 27	17 32	5 42		
S 29	13 20	12 0	0s40	5 44	2 3	24 49	2 4	21 39	0 41	7 46	0 59	15 17	2 1	10 32	0 47	18 51	0 5	10 1	17 29	8 46	8 28	17 24	17 31	5 42		
M30	13 40	17 21	1 49	6 21	2 0	24 59	2 7	21 48	0 42	7 42	0 59	15 19	2 1	10 33	0 47	18 51	0 5	10 1	17 28	8 45	8 26	17 21	17 30	5 43		
T 31	13s59	22s 1	2s53	6s59	1n57	25s 7	2s 9	21s56	0s42	7n39	0n59	15s22	2n 1	10s33	0s47	18s50	0n 5	10s 1	17s28	8n45	8n25	17n19	17n30	5s43		

ASTRODIENST EPHEMERIS for the year 1837
geocentric

NOVEMBER 1837

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 40 18	8♉23°23	9♊ 7	24♉ 7	19♊51	6♊14	13♉ 2	18♉27	4♊R38	5♉29	15♊R28	22♊R25	21♊32	24♉57	21♊R42	W 1
T 2	2 44 14	9°23'32	22°43	25°43	21° 2	6°58	13°12	18°34	4♊38	5°29	15♊Y27	22♊Y23	21°28	25° 3	21♉40	T 2
F 3	2 48 11	10°23'42	6♊31	27°18	22°13	7°42	13°22	18°41	4°37	5°30	15°26	22°21	21°25	25°10	21°37	F 3
S 4	2 52 7	11°23'54	20°27	28°55	23°24	8°26	13°31	18°48	4°37	5°30	15°25	22°19	21°22	25°17	21°35	S 4
S 5	2 56 4	12°24'07	4♉31	0♉32	24°34	9°10	13°41	18°55	4°36	5°31	15°24	22°18	21°19	25°23	21°32	S 5
M 6	3 0 0	13°24'22	18°41	2° 9	25°45	9°54	13°50	19° 2	4°36	5°32	15°23	22°D18	21°16	25°30	21°30	M 6
T 7	3 3 57	14°24'38	2♊54	3°46	26°55	10°38	13°59	19° 9	4°35	5°32	15°22	22°18	21°12	25°37	21°27	T 7
W 8	3 7 54	15°24'55	17° 8	5°23	28° 5	11°22	14° 8	19°17	4°35	5°33	15°21	22°20	21° 9	25°44	21°24	W 8
T 9	3 11 50	16°25'14	1♊21	7° 1	29°16	12° 6	14°17	19°24	4°35	5°34	15°20	22°21	21° 6	25°50	21°21	T 9
F 10	3 15 47	17°25'35	15°30	8°38	0♊26	12°51	14°26	19°31	4°35	5°35	15°19	22°R22	21° 3	25°57	21°19	F 10
S 11	3 19 43	18°25'56	29°31	10°15	1°36	13°35	14°35	19°38	4°34	5°35	15°18	22°22	21° 0	26° 4	21°16	S 11
S 12	3 23 40	19°26'20	13♉22	11°52	2°46	14°20	14°43	19°45	4°34	5°36	15°17	22°21	20°57	26°10	21°13	S 12
M13	3 27 36	20°26'45	26°59	13°29	3°55	15° 4	14°52	19°52	4°34	5°37	15°16	22°18	20°53	26°17	21°10	M13
T 14	3 31 33	21°27'12	10♉18	15° 5	5° 5	15°49	15° 0	19°59	4°D34	5°38	15°15	22°14	20°50	26°24	21° 7	T 14
W15	3 35 29	22°27'41	23°20	16°42	6°15	16°33	15° 9	20° 7	4°34	5°39	15°14	22° 9	20°47	26°30	21° 4	W15
T 16	3 39 26	23°28'11	6♉ 3	18°18	7°24	17°18	15°17	20°14	4°34	5°40	15°13	22° 3	20°44	26°37	21° 0	T 16
F 17	3 43 23	24°28'43	18°29	19°54	8°34	18° 3	15°25	20°21	4°34	5°41	15°12	21°58	20°41	26°44	20°57	F 17
S 18	3 47 19	25°29'17	0♉40	21°30	9°43	18°47	15°33	20°28	4°35	5°42	15°12	21°54	20°38	26°51	20°54	S 18
S 19	3 51 16	26°29'52	12°40	23° 5	10°52	19°32	15°41	20°35	4°35	5°43	15°11	21°52	20°34	26°57	20°51	S 19
M20	3 55 12	27°30'29	24°32	24°41	12° 1	20°17	15°48	20°42	4°35	5°44	15°10	21°D50	20°31	27° 4	20°48	M20
T 21	3 59 9	28°31'08	6♉23	26°16	13°10	21° 2	15°56	20°50	4°35	5°45	15° 9	21°51	20°28	27°11	20°44	T 21
W22	4 3 5	29°31'48	18°17	27°51	14°19	21°47	16° 3	20°57	4°36	5°46	15° 8	21°52	20°25	27°17	20°41	W22
T 23	4 7 2	0♊32°30	0♉18	29°26	15°28	22°32	16°10	21° 4	4°36	5°47	15° 8	21°54	20°22	27°24	20°37	T 23
F 24	4 10 58	1°33'14	12°33	1♊ 0	16°36	23°17	16°17	21°11	4°37	5°49	15° 7	21°55	20°18	27°31	20°34	F 24
S 25	4 14 55	2°33'59	25° 3	2°35	17°45	24° 2	16°24	21°18	4°37	5°50	15° 6	21°R55	20°15	27°37	20°30	S 25
S 26	4 18 52	3°34'46	7♉54	4° 9	18°53	24°48	16°31	21°25	4°38	5°51	15° 5	21°54	20°12	27°44	20°27	S 26
M27	4 22 48	4°35'34	21° 6	5°44	20° 1	25°33	16°38	21°32	4°38	5°52	15° 5	21°51	20° 9	27°51	20°23	M27
T 28	4 26 45	5°36'23	4♊38	7°18	21° 9	26°18	16°44	21°39	4°39	5°54	15° 4	21°45	20° 6	27°57	20°20	T 28
W29	4 30 41	6°37'14	18°29	8°52	22°17	27° 4	16°51	21°46	4°40	5°55	15° 3	21°38	20° 3	28° 4	20°16	W29
T 30	4 34 38	7♊38°06	2♊34	10♊26	23♊25	27♊49	16♉57	21♉53	4♊41	5♉57	15♊ 3	21♊Y31	19♊Y59	28♉11	20♉13	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	14s19	25s37	3s50	7s37	1n53	25s15	2s11	22s 4	0s43	7n35	0n59	15s24	2n 1	10s33	0s47	18s50
T 2	14 38	27 49	4 34	8 16	1 48	25 23	2 13	22 12	0 43	7 32	1 0	15 26	2 1	10 33	0 47	18 50
F 3	14 57	28 21	5 3	8 55	1 44	25 29	2 16	22 20	0 44	7 28	1 0	15 28	2 1	10 33	0 47	18 50
S 4	15 16	27 5	5 15	9 34	1 38	25 35	2 18	22 27	0 44	7 25	1 0	15 30	2 1	10 34	0 47	18 50
S 5	15 34	24 8	5 8	10 13	1 33	25 41	2 20	22 35	0 45	7 21	1 0	15 31	2 1	10 34	0 47	18 50
M 6	15 53	19 43	4 42	10 52	1 27	25 45	2 21	22 42	0 45	7 18	1 0	15 33	2 1	10 34	0 47	18 50
T 7	16 11	14 10	4 0	11 31	1 21	25 49	2 23	22 49	0 46	7 14	1 1	15 35	2 1	10 34	0 47	18 50
W 8	16 28	7 53	3 2	12 9	1 15	25 52	2 25	22 55	0 46	7 11	1 1	15 37	2 1	10 34	0 47	18 49
T 9	16 46	1 12	1 53	12 47	1 9	25 54	2 27	23 2	0 46	7 8	1 1	15 39	2 1	10 34	0 47	18 49
F 10	17 3	5n32	0 38	13 24	1 3	25 56	2 28	23 8	0 47	7 4	1 1	15 41	2 1	10 34	0 47	18 49
S 11	17 20	11 56	0n39	14 1	0 56	25 57	2 30	23 14	0 47	7 1	1 1	15 43	2 1	10 34	0 47	18 49
S 12	17 36	17 39	1 53	14 38	0 49	25 57	2 31	23 20	0 48	6 58	1 2	15 45	2 1	10 34	0 47	18 49
M13	17 53	22 23	2 58	15 13	0 43	25 56	2 32	23 25	0 48	6 55	1 2	15 47	2 1	10 34	0 47	18 48
T 14	18 9	25 51	3 53	15 48	0 36	25 55	2 33	23 31	0 49	6 52	1 2	15 49	2 1	10 34	0 47	18 48
W15	18 24	27 51	4 34	16 23	0 29	25 53	2 34	23 36	0 49	6 49	1 2	15 51	2 1	10 34	0 47	18 48
T 16	18 40	28 19	5 0	16 56	0 22	25 51	2 35	23 41	0 50	6 46	1 3	15 53	2 1	10 34	0 47	18 48
F 17	18 54	27 19	5 11	17 29	0 15	25 47	2 36	23 45	0 50	6 43	1 3	15 55	2 1	10 34	0 47	18 48
S 18	19 9	25 2	5 8	18 1	0 9	25 43	2 37	23 50	0 50	6 40	1 3	15 57	2 1	10 34	0 47	18 47
S 19	19 23	21 41	4 52	18 32	0 2	25 38	2 38	23 54	0 51	6 37	1 3	15 59	2 1	10 34	0 46	18 47
M20	19 37	17 29	4 23	19 2	0s 5	25 33	2 38	23 57	0 51	6 35	1 3	16 1	2 1	10 34	0 46	18 47
T 21	19 51	12 37	3 43	19 31	0 12	25 27	2 39	24 1	0 52	6 32	1 4	16 2	2 0	10 33	0 46	18 47
W22	20 4	7 17	2 53	20 0	0 18	25 20	2 39	24 4	0 52	6 29	1 4	16 4	2 0	10 33	0 46	18 46
T 23	20 17	1 38	1 55	20 27	0 25	25 12	2 39	24 7	0 52	6 27	1 4	16 6	2 0	10 33	0 46	18 46
F 24	20 30	4s11	0 51	20 53	0 31	25 4	2 39	24 10	0 53	6 24	1 4	16 8	2 0	10 33	0 46	18 46
S 25	20 42	9 58	0s17	21 19	0 38	24 55	2 39	24 13	0 53	6 22	1 5	16 10	2 0	10 33	0 46	18 45
S 26	20 53	15 30	1 26	21 43	0 44	24 45	2 39	24 15	0 54	6 19	1 5	16 12	2 0	10 32	0 46	18 45
M27	21 5	20 29	2 31	22 6	0 50	24 35	2 39	24 17	0 54	6 17	1 5	16 13	2 0	10 32	0 46	18 45
T 28	21 16	24 31	3 30	22 28	0 56	24 24	2 38	24 19	0 54	6 15	1 5	16 15	2 1	10 32	0 46	18 45
W29	21 26	27 15	4 18	22 49	1 2	24 13	2 38	24 20	0 55	6 12	1 6	16 17	2 1	10 31	0 46	18 44
T 30	21s36	28s17	4s51	23s 9	1s 8	24s 1	2s37	24s22	0s55	6n10	1n 6	16s19	2n 1	10s31	0s46	18s44

Julian Day Number = 2392314.5, Delta T = 7.80 sec
Ecliptic obliquity = 23°27'46, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°28'33, Lahiri = 21°35'34

ASTRODIENST EPHEMERIS for the year 1837
geocentric

DECEMBER 1837

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 38 34	8°38'59	16°34'49	12°38'00	24°33'32	28°35'35	17°03'33	22°00'00	4°42'42	5°58'58	15°R 2	21°R23	19°V56	28°Ω18	20°R 9	F 1
S 2	4 42 31	9°39'53	1°39'09	13°34'34	25°39'39	29°20'20	17°09'09	22°07'07	4°42'42	5°59'59	15°V 1	21°V16	19°53'53	28°24'24	20°II 5	S 2
S 3	4 46 27	10°40'47	15°28'28	15°08'08	26°47'47	0°36'36	17°15'15	22°14'14	4°43'43	6°01'01	15°01'01	21°11'11	19°50'50	28°31'31	20°02'02	S 3
M 4	4 50 24	11°41'43	29°43'43	16°42'42	27°53'53	0°51'51	17°20'20	22°21'21	4°44'44	6°02'02	15°00'00	21°09'09	19°47'47	28°38'38	19°58'58	M 4
T 5	4 54 21	12°42'39	13°52'52	18°16'16	29°00'00	1°37'37	17°26'26	22°28'28	4°45'45	6°04'04	15°00'00	21°D 8	19°44'44	28°44'44	19°54'54	T 5
W 6	4 58 17	13°43'35	27°52'52	19°50'50	0°44'44	2°23'23	17°31'31	22°35'35	4°47'47	6°05'05	14°59'59	21°09'09	19°40'40	28°51'51	19°50'50	W 6
T 7	5 02 14	14°44'33	11°V44	21°24'24	1°13'13	3°09'09	17°36'36	22°42'42	4°48'48	6°07'07	14°59'59	21°10'10	19°37'37	28°58'58	19°47'47	T 7
F 8	5 06 10	15°45'30	25°28'28	22°58'58	2°19'19	3°54'54	17°41'41	22°48'48	4°49'49	6°09'09	14°58'58	21°R10	19°34'34	29°04'04	19°43'43	F 8
S 9	5 10 07	16°46'29	9°X 2	24°32'32	3°25'25	4°40'40	17°46'46	22°55'55	4°50'50	6°10'10	14°58'58	21°08'08	19°31'31	29°11'11	19°39'39	S 9
S 10	5 14 03	17°47'28	22°26'26	26°06'06	4°30'30	5°26'26	17°50'50	23°02'02	4°51'51	6°12'12	14°57'57	21°04'04	19°28'28	29°18'18	19°35'35	S 10
M 11	5 18 00	18°48'28	5°II40	27°40'40	5°36'36	6°12'12	17°55'55	23°09'09	4°53'53	6°13'13	14°57'57	20°57'57	19°24'24	29°24'24	19°32'32	M 11
T 12	5 21 57	19°49'29	18°41'41	29°14'14	6°41'41	6°58'58	17°59'59	23°15'15	4°54'54	6°15'15	14°56'56	20°48'48	19°21'21	29°31'31	19°28'28	T 12
W 13	5 25 53	20°50'31	1°X29	0°34'34	7°46'46	7°44'44	18°03'03	23°22'22	4°56'56	6°17'17	14°56'56	20°37'37	19°18'18	29°38'38	19°24'24	W 13
T 14	5 29 50	21°51'33	14°04'04	2°23'23	8°50'50	8°30'30	18°07'07	23°29'29	4°57'57	6°19'19	14°56'56	20°25'25	19°15'15	29°45'45	19°20'20	T 14
F 15	5 33 46	22°52'36	26°25'25	3°57'57	9°54'54	9°17'17	18°11'11	23°35'35	4°59'59	6°20'20	14°55'55	20°14'14	19°12'12	29°51'51	19°16'16	F 15
S 16	5 37 43	23°53'40	8°Ω33	5°31'31	10°58'58	10°03'03	18°14'14	23°42'42	5°00'00	6°22'22	14°55'55	20°04'04	19°09'09	29°58'58	19°13'13	S 16
S 17	5 41 39	24°54'44	20°31'31	7°05'05	12°02'02	10°49'49	18°18'18	23°48'48	5°02'02	6°24'24	14°55'55	19°56'56	19°05'05	0°00'00	19°09'09	S 17
M 18	5 45 36	25°55'49	2°00'00	8°39'39	13°05'05	11°35'35	18°21'21	23°55'55	5°03'03	6°26'26	14°55'55	19°50'50	19°02'02	0°11'11	19°05'05	M 18
T 19	5 49 32	26°56'55	14°12'12	10°12'12	14°08'08	12°22'22	18°24'24	24°01'01	5°05'05	6°28'28	14°54'54	19°47'47	18°59'59	0°18'18	19°01'01	T 19
W 20	5 53 29	27°58'02	26°03'03	11°46'46	15°11'11	13°08'08	18°27'27	24°07'07	5°07'07	6°29'29	14°54'54	19°D46	18°56'56	0°25'25	18°58'58	W 20
T 21	5 57 26	28°59'09	8°Δ 2	13°19'19	16°13'13	13°54'54	18°30'30	24°14'14	5°09'09	6°31'31	14°54'54	19°47'47	18°53'53	0°31'31	18°54'54	T 21
F 22	6 01 22	0°38'38	20°15'15	14°51'51	17°15'15	14°41'41	18°32'32	24°20'20	5°11'11	6°33'33	14°54'54	19°R47	18°50'50	0°38'38	18°50'50	F 22
S 23	6 05 19	1°12'12	2°00'00	16°23'23	18°17'17	15°27'27	18°34'34	24°26'26	5°12'12	6°35'35	14°53'53	19°46'46	18°46'46	0°45'45	18°47'47	S 23
S 24	6 09 15	2°23'23	15°40'40	17°55'55	19°18'18	16°14'14	18°37'37	24°32'32	5°14'14	6°37'37	14°53'53	19°43'43	18°43'43	0°51'51	18°43'43	S 24
M 25	6 13 12	3°34'44	28°59'59	19°25'25	20°19'19	17°01'01	18°39'39	24°39'39	5°16'16	6°39'39	14°53'53	19°38'38	18°40'40	0°58'58	18°39'39	M 25
T 26	6 17 08	4°45'45	12°46'46	20°54'54	21°19'19	17°47'47	18°40'40	24°45'45	5°18'18	6°41'41	14°53'53	19°30'30	18°37'37	1°05'05	18°36'36	T 26
W 27	6 21 05	5°06'06	26°57'57	22°22'22	22°19'19	18°34'34	18°42'42	24°51'51	5°20'20	6°43'43	14°53'53	19°19'19	18°34'34	1°12'12	18°32'32	W 27
T 28	6 25 01	6°07'07	11°X28	23°49'49	23°19'19	19°20'20	18°43'43	24°57'57	5°23'23	6°45'45	14°53'53	19°07'07	18°30'30	1°18'18	18°29'29	T 28
F 29	6 28 58	7°08'08	26°12'12	25°13'13	24°18'18	20°07'07	18°44'44	25°03'03	5°25'25	6°47'47	14°53'53	18°55'55	18°27'27	1°25'25	18°25'25	F 29
S 30	6 32 55	8°09'09	11°Δ 0	26°35'35	25°16'16	20°54'54	18°45'45	25°09'09	5°27'27	6°49'49	14°D53	18°45'45	18°24'24	1°32'32	18°22'22	S 30
S 31	6 36 51	9°10'10	25°Δ44	27°X54	26°Δ14	21°X41	18°04'46	25°00'14	5°X29	6°Δ51	14°V53	18°V36	18°V21	1°00'00	18°II18	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21s46	27s28	5s6	23s28	1s13	23s48	2s36	24s23	0s55	6n8	1n6	16s21	2n1	10s31	0s46	F 1
S 2	21s55	24s50	5s3	23s45	1s19	23s35	2s35	24s23	0s56	6s6	1s6	16s22	2s1	10s30	0s46	S 2
S 3	22s4	20s40	4s40	24s2	1s24	23s21	2s34	24s24	0s56	6s4	1s7	16s24	2s1	10s30	0s46	S 3
M 4	22s13	15s20	4s1	24s17	1s29	23s6	2s33	24s24	0s56	6s2	1s7	16s26	2s1	10s30	0s46	M 4
T 5	22s11	9s13	3s7	24s30	1s34	22s51	2s32	24s24	0s57	6s0	1s7	16s28	2s1	10s29	0s46	T 5
W 6	22s28	2s42	2s2	24s43	1s39	22s36	2s30	24s23	0s57	5s58	1s7	16s29	2s1	10s29	0s46	W 6
T 7	22s35	3s52	0s50	24s54	1s43	22s19	2s29	24s23	0s57	5s56	1s8	16s31	2s1	10s28	0s46	T 7
F 8	22s42	10s13	0n23	25s4	1s47	22s3	2s27	24s22	0s58	5s55	1s8	16s33	2s1	10s28	0s46	F 8
S 9	22s48	16s0	1s34	25s12	1s51	21s46	2s25	24s21	0s58	5s53	1s8	16s34	2s1	10s27	0s46	S 9
S 10	22s54	20s58	2s39	25s19	1s55	21s28	2s23	24s19	0s58	5s52	1s8	16s36	2s1	10s27	0s46	S 10
M 11	22s59	24s47	3s34	25s25	1s58	21s10	2s21	24s18	0s59	5s50	1s9	16s38	2s1	10s26	0s46	M 11
T 12	23s4	27s15	4s17	25s29	2s2	20s51	2s18	24s15	0s59	5s49	1s9	16s39	2s1	10s26	0s46	T 12
W 13	23s9	28s14	4s47	25s32	2s4	20s32	2s16	24s13	0s59	5s47	1s9	16s41	2s1	10s25	0s46	W 13
T 14	23s13	27s43	5s1	25s33	2s7	20s12	2s13	24s11	0s59	5s46	1s9	16s42	2s1	10s25	0s46	T 14
F 15	23s16	25s49	5s1	25s33	2s9	19s52	2s10	24s8	1s0	5s45	1s10	16s44	2s1	10s24	0s45	F 15
S 16	23s19	22s46	4s48	25s31	2s11	19s32	2s7	24s5	1s0	5s44	1s10	16s45	2s1	10s23	0s45	S 16
S 17	23s22	18s47	4s22	25s28	2s12	19s11	2s4	24s1	1s0	5s43	1s10	16s47	2s1	10s23	0s45	S 17
M 18	23s24	14s7	3s44	25s23	2s13	18s50	2s1	23s58	1s0	5s42	1s10	16s49	2s1	10s22	0s45	M 18
T 19	23s26	8s57	2s57	25s17	2s13	18s28	1s57	23s54	1s1	5s41	1s11	16s50	2s1	10s22	0s45	T 19
W 20	23s27	3s27	2s3	25s9	2s13	18s6	1s53	23s49	1s1	5s40	1s11	16s52	2s1	10s21	0s45	W 20
T 21	23s28	2s15	1s2	25s0	2s13	17s44	1s50	23s45	1s1	5s39	1s11	16s53	2s1	10s20	0s45	T 21
F 22	23s28	7s58	0s2	24s49	2s12	17s21	1s46	23s40	1s1	5s38	1s12	16s54	2s1	10s19	0s45	F 22
S 23	23s28	13s31	1s8	24s37	2s10	16s58	1s41	23s35	1s2	5s38	1s12	16s56	2s1	10s19	0s45	S 23
S 24	23s27	18s40	2s13	24s23	2s8	16s35	1s37	23s30	1s2	5s37	1s12	16s57	2s1	10s18	0s45	S 24
M 25	23s26	23s4	3s12	24s8	2s5	16s11	1s33	23s24	1s2	5s36	1s12	16s59	2s1	10s17	0s45	M 25
T 26	23s24	26s21	4s2	23s51	2s2	15s48	1s28	23s18	1s2	5s36	1s13	17s0	2s1	10s16	0s45	T 26
W 27	23s22	28s4	4s38	23s33	1s58	15s24	1s23	23s12	1s2	5s36	1s13	17s1	2s1	10s16	0s45	W 27
T 28	23s19	27s55	4s58	23s13	1s53	14s59	1s18	23s6	1s3	5s35	1s13	17s3	2s1	10s15	0s45	T 28
F 29	23s16	25s49	4s58	22s52	1s47	14s35	1s13	22s59	1s3	5s35	1s14	17s4	2s1	10s14	0s45	F 29
S 30	23s13	21s57	4s39	22s30	1s41	14s10	1s7	22s52	1s3	5s35	1s14	17s5	2s1	10s13	0s45	S 30
S 31	23s9	16s43	4s0	22s8	1s33	13s45	1s2	22s45	1s3	5n35	1n14	17s7	2n2	10s12	0s45	S 31

Julian Day Number = 2392344.5, Delta T = 7.79 sec
Ecliptic obliquity = 23°27'45, Nutation = -0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°28'37, Lahiri = 21°35'38