



Astrodienst Ephemeris Tables for the year 1839

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 1839

geocentric

JANUARY 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 39 51	9°57'15	22°57' 7	16°R15	13°30' 9	25°11	17°15	5°42	9°20	9°11	15°54	28°R17	28°58	12°15	26°R49	T 1
W 2	6 43 47	10°58'23	5°16	15°30' 2	14°25	25°29	17°11	5°48	9°22	9° 3	15°54	28°58	28°55	12°21	26°II45	W 2
T 3	6 47 44	11°59'32	18° 5	13°44	15°40	25°46	17°16	5°55	9°24	9° 5	15°54	27°57	28°52	12°28	26°42	T 3
F 4	6 51 40	13° 0'40	0°35	12°23	16°55	26° 3	17°22	6° 1	9°26	9° 7	15°54	27°51	28°49	12°35	26°38	F 4
S 5	6 55 37	14° 1'49	12°47	11° 3	18°11	26°19	17°27	6° 7	9°29	9° 9	15°55	27°48	28°45	12°41	26°34	S 5
S 6	6 59 34	15° 2'58	24°46	9°45	19°26	26°35	17°32	6°13	9°31	9°11	15°55	27°D47	28°42	12°48	26°31	S 6
M 7	7 3 30	16° 4'06	6°36	8°32	20°42	26°51	17°37	6°19	9°33	9°13	15°55	27°47	28°39	12°55	26°27	M 7
T 8	7 7 27	17° 5'15	18°24	7°25	21°57	27° 6	17°42	6°25	9°36	9°15	15°55	27°R47	28°36	13° 1	26°23	T 8
W 9	7 11 23	18° 6'24	0°14	6°27	23°13	27°20	17°46	6°31	9°38	9°18	15°55	27°46	28°33	13° 8	26°20	W 9
T 10	7 15 20	19° 7'33	12°13	5°38	24°28	27°35	17°51	6°37	9°40	9°20	15°55	27°44	28°30	13°15	26°16	T 10
F 11	7 19 16	20° 8'41	24°24	4°59	25°44	27°48	17°55	6°43	9°43	9°22	15°56	27°38	28°26	13°21	26°13	F 11
S 12	7 23 13	21° 9'50	6°52	4°30	26°59	28° 1	17°59	6°49	9°45	9°24	15°56	27°31	28°23	13°28	26° 9	S 12
S 13	7 27 9	22°10'58	19°41	4°10	28°14	28°14	18° 3	6°54	9°48	9°26	15°56	27°21	28°20	13°35	26° 6	S 13
M14	7 31 6	23°12'07	2°50	4° 0	29°30	28°25	18° 7	7° 0	9°51	9°28	15°57	27° 9	28°17	13°41	26° 2	M14
T 15	7 35 3	24°13'14	16°19	3°D58	0°45	28°37	18°10	7° 6	9°53	9°31	15°57	26°58	28°14	13°48	25°59	T 15
W16	7 38 59	25°14'22	0° 7	4° 5	2° 1	28°48	18°14	7°11	9°56	9°33	15°57	26°47	28°11	13°55	25°56	W16
T 17	7 42 56	26°15'28	14° 8	4°19	3°16	28°58	18°17	7°17	9°59	9°35	15°58	26°39	28° 7	14° 1	25°53	T 17
F 18	7 46 52	27°16'34	28°19	4°40	4°31	29° 7	18°20	7°22	10° 1	9°37	15°58	26°33	28° 4	14° 8	25°49	F 18
S 19	7 50 49	28°17'39	12°34	5° 8	5°47	29°16	18°23	7°27	10° 4	9°40	15°58	26°30	28° 1	14°15	25°46	S 19
S 20	7 54 45	29°18'44	26°49	5°41	7° 2	29°25	18°25	7°33	10° 7	9°42	15°59	26°D29	27°58	14°21	25°43	S 20
M21	7 58 42	0°19'47	11°Y 3	6°20	8°17	29°33	18°28	7°38	10°10	9°44	15°59	26°29	27°55	14°28	25°40	M21
T 22	8 2 38	1°20'49	25°12	7° 3	9°33	29°40	18°30	7°43	10°12	9°46	16° 0	26°R30	27°51	14°34	25°37	T 22
W23	8 6 35	2°21'50	9°15	7°51	10°48	29°46	18°32	7°48	10°15	9°49	16° 0	26°30	27°48	14°41	25°34	W23
T 24	8 10 32	3°22'50	23°12	8°42	12° 3	29°52	18°34	7°53	10°18	9°51	16° 1	26°28	27°45	14°48	25°31	T 24
F 25	8 14 28	4°23'49	7°II 2	9°37	13°19	29°57	18°36	7°58	10°21	9°53	16° 1	26°24	27°42	14°54	25°29	F 25
S 26	8 18 25	5°24'47	20°44	10°35	14°34	0° 2	18°37	8° 3	10°24	9°55	16° 2	26°18	27°39	15° 1	25°26	S 26
S 27	8 22 21	6°25'44	4°16	11°37	15°49	0° 6	18°39	8° 8	10°27	9°58	16° 3	26°10	27°36	15° 8	25°23	S 27
M28	8 26 18	7°26'39	17°35	12°40	17° 4	0° 9	18°40	8°13	10°30	10° 0	16° 3	26° 1	27°32	15°14	25°21	M28
T 29	8 30 14	8°27'34	0°12	13°47	18°20	0°11	18°41	8°17	10°33	10° 2	16° 4	25°52	27°29	15°21	25°18	T 29
W30	8 34 11	9°28'27	13°33	14°55	19°35	0°13	18°42	8°22	10°36	10° 5	16° 5	25°44	27°26	15°28	25°16	W30
T 31	8 38 7	10°29'19	26°19	16°35	20°50	0°14	18°42	8°26	10°39	10° 7	16°Y 5	25°38	27°23	15°34	25°II13	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	23 s 5	26n10	4n35	20s30	1n59	23s35	0s46	4n27	2n46	5s31	1n18	19s33	1n46	8s47	0s45	18s 1
W 2	23 1	22 51	4 0	20 21	2 17	23 29	0 48	4 21	2 47	5 33	1 18	19 34	1 46	8 46	0 45	18 1
T 3	22 55	18 30	3 14	20 13	2 33	23 23	0 50	4 16	2 49	5 35	1 19	19 35	1 46	8 45	0 45	18 0
F 4	22 50	13 27	2 19	20 7	2 47	23 15	0 52	4 10	2 50	5 36	1 19	19 36	1 46	8 44	0 45	18 0
S 5	22 43	7 59	1 19	20 2	2 59	23 7	0 54	4 5	2 51	5 38	1 19	19 37	1 46	8 43	0 45	17 59
S 6	22 37	2 20	0 16	19 59	3 8	22 59	0 56	4 0	2 53	5 40	1 19	19 38	1 46	8 42	0 45	17 58
M 7	22 30	3s20	0s47	19 57	3 14	22 49	0 58	3 55	2 54	5 42	1 20	19 39	1 46	8 41	0 45	17 57
T 8	22 22	8 52	1 47	19 57	3 19	22 39	1 0	3 51	2 56	5 43	1 20	19 40	1 46	8 40	0 45	17 57
W 9	22 14	14 7	2 44	19 58	3 21	22 28	1 2	3 46	2 57	5 45	1 20	19 40	1 46	8 40	0 45	17 57
T 10	22 6	18 54	3 33	20 0	3 20	22 17	1 3	3 42	2 59	5 46	1 20	19 41	1 46	8 39	0 45	17 56
F 11	21 57	23 0	4 14	20 4	3 18	22 5	1 5	3 38	3 0	5 48	1 21	19 42	1 46	8 38	0 45	17 56
S 12	21 48	26 8	4 44	20 9	3 14	21 52	1 6	3 34	3 2	5 49	1 21	19 43	1 46	8 37	0 45	17 55
S 13	21 38	28 3	5 0	20 15	3 9	21 39	1 8	3 30	3 3	5 50	1 21	19 44	1 46	8 36	0 45	17 54
M14	21 28	28 28	5 2	20 22	3 2	21 25	1 10	3 27	3 5	5 51	1 21	19 45	1 47	8 35	0 45	17 54
T 15	21 17	27 12	4 46	20 30	2 55	21 10	1 11	3 24	3 6	5 52	1 22	19 46	1 47	8 34	0 45	17 53
W16	21 7	24 17	4 14	20 38	2 46	20 55	1 12	3 21	3 8	5 53	1 22	19 47	1 47	8 33	0 45	17 53
T 17	20 55	19 53	3 26	20 46	2 38	20 39	1 14	3 18	3 9	5 54	1 22	19 47	1 47	8 32	0 45	17 52
F 18	20 43	14 20	2 25	20 55	2 28	20 22	1 15	3 16	3 11	5 55	1 22	19 48	1 47	8 31	0 45	17 52
S 19	20 31	7 59	1 14	21 3	2 18	20 5	1 16	3 14	3 12	5 56	1 23	19 49	1 47	8 29	0 45	17 51
S 20	20 19	1 14	0n 2	21 12	2 8	19 47	1 18	3 12	3 14	5 57	1 23	19 50	1 47	8 28	0 45	17 50
M21	20 6	5n34	1 17	21 21	1 58	19 29	1 19	3 10	3 15	5 58	1 23	19 51	1 47	8 27	0 45	17 50
T 22	19 53	12 3	2 28	21 29	1 48	19 10	1 20	3 8	3 17	5 58	1 23	19 51	1 47	8 26	0 45	17 49
W23	19 39	17 53	3 29	21 36	1 38	18 50	1 21	3 7	3 18	5 59	1 24	19 52	1 47	8 25	0 45	17 49
T 24	19 25	22 44	4 17	21 43	1 28	18 30	1 22	3 6	3 20	5 59	1 24	19 53	1 47	8 24	0 45	17 48
F 25	19 11	26 16	4 50	21 50	1 17	18 10	1 23	3 6	3 21	6 0	1 24	19 53	1 47	8 23	0 45	17 47
S 26	18 56	28 13	5 5	21 55	1 7	17 49	1 24	3 5	3 23	6 0	1 24	19 54	1 48	8 22	0 45	17 47
S 27	18 41	28 27	5 4	22 0	0 57	17 27	1 24	3 5	3 24	6 0	1 25	19 55	1 48	8 21	0 45	17 46
M28	18 26	27 1	4 45	22 4	0 47	17 5	1 25	3 5	3 26	6 1	1 25	19 55	1 48	8 19	0 45	17 46
T 29	18 10	24 8	4 12	22 7	0 38	16 43	1 26	3 6	3 27	6 1	1 25	19 56	1 48	8 18	0 44	17 45
W30	17 54	20 5	3 27	22 10	0 28	16 20	1 26	3 6	3 29	6 1	1 25	19 57	1 48	8 17	0 44	17 44
T 31	17s38	15n12	2n32	22s11	0n19	15s56	1s27	3n 7	3n30	6s 1	1n26	19s57	1n48	8s16	0s44	17s44

Julian Day Number = 2392740.5, Delta T = 7.67 sec

Ecliptic obliquity = 23°27'45", Nutation = 0°00'01", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°29'32", Lahiri = 21°36'32"

ASTRODIENST EPHEMERIS for the year 1839

geocentric

FEBRUARY 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 4	11 ³⁰ 11	8 ³⁰ 30	17 ³⁸ 18	22 ²² 5	0°R14	18 ⁴³ 43	8 ³¹ 31	10 ⁴² 42	10 ²² 9	16 ³⁰ 6	25°R35	27 ³⁸ 20	15 ⁴¹ 41	25°R11	F 1
S 2	8 46 1	12°31'01	20°38	18°32	23°20	0 ¹⁴ 14	18°43	8°35	10°45	10°11	16°7	25°D33	27°17	15°48	25°II 9	S 2
S 3	8 49 57	13°31'50	2 ²³ 35	19°47	24°36	0°13	18°R43	8°40	10°48	10°14	16°7	25 ³³ 33	27°13	15°54	25°7	S 3
M 4	8 53 54	14°32'38	14°26	21°4	25°51	0°11	18°43	8°44	10°52	10°16	16°8	25°34	27°10	16°1	25°5	M 4
T 5	8 57 50	15°33'26	26°14	22°23	27°6	0°8	18°43	8°48	10°55	10°18	16°9	25°36	27°7	16°8	25°3	T 5
W 6	9 1 147	16°34'12	8 ³⁰ 4	23°43	28°21	0°5	18°42	8°52	10°58	10°20	16°10	25°37	27°4	16°14	25°1	W 6
T 7	9 5 43	17°34'58	20°2	25°4	29°36	0°0	18°41	8°56	11°1	10°23	16°10	25°R38	27°1	16°21	24°59	T 7
F 8	9 9 40	18°35'42	2 ²⁷ 12	26°26	0 ⁵¹ 51	29 ³⁰ 55	18°40	9°0	11°4	10°25	16°11	25°37	26°57	16°28	24°57	F 8
S 9	9 13 36	19°36'26	14°40	27°49	2°6	29°49	18°39	9°4	11°8	10°27	16°12	25°34	26°54	16°34	24°55	S 9
S 10	9 17 33	20°37'08	27°29	29°14	3°21	29°43	18°38	9°7	11°11	10°30	16°13	25°30	26°51	16°41	24°54	S 10
M 11	9 21 30	21°37'49	10 ³⁴ 42	0 ⁴⁰ 40	4°36	29°35	18°36	9°11	11°14	10°32	16°14	25°25	26°48	16°48	24°52	M 11
T 12	9 25 26	22°38'29	24°20	2°6	5°51	29°27	18°35	9°15	11°17	10°34	16°15	25°19	26°45	16°54	24°51	T 12
W 13	9 29 23	23°39'08	8 ²¹ 21	3°34	7°6	29°18	18°33	9°18	11°21	10°36	16°16	25°14	26°42	17°1	24°49	W 13
T 14	9 33 19	24°39'45	22°42	5°3	8°21	29°8	18°31	9°21	11°24	10°38	16°17	25°10	26°38	17°7	24°48	T 14
F 15	9 37 16	25°40'21	7 ³⁸ 17	6°32	9°36	28°58	18°29	9°25	11°27	10°41	16°18	25°7	26°35	17°14	24°47	F 15
S 16	9 41 12	26°40'55	22°0	8°3	10°51	28°46	18°26	9°28	11°31	10°43	16°19	25°D 6	26°32	17°21	24°45	S 16
S 17	9 45 9	27°41'27	6 ³⁰ 43	9°35	12°6	28°34	18°24	9°31	11°34	10°45	16°20	25°6	26°29	17°27	24°44	S 17
M 18	9 49 5	28°41'58	21°20	11°7	13°21	28°21	18°21	9°34	11°38	10°47	16°21	25°8	26°26	17°34	24°43	M 18
T 19	9 53 2	29°42'27	5 ³⁴ 47	12°41	14°36	28°8	18°18	9°37	11°41	10°50	16°22	25°9	26°23	17°41	24°43	T 19
W 20	9 56 59	0 ⁴² 54	20°0	14°15	15°51	27°53	18°15	9°40	11°44	10°52	16°23	25°10	26°19	17°47	24°42	W 20
T 21	10 0 55	1°43'19	3 ³¹ 57	15°50	17°5	27°38	18°11	9°43	11°48	10°54	16°24	25°R11	26°16	17°54	24°41	T 21
F 22	10 4 52	2°43'42	17°39	17°27	18°20	27°22	18°8	9°45	11°51	10°56	16°25	25°10	26°13	18°1	24°40	F 22
S 23	10 8 48	3°44'04	1 ³⁸ 4	19°4	19°35	27°6	18°4	9°48	11°55	10°58	16°26	25°8	26°10	18°7	24°40	S 23
S 24	10 12 45	4°44'23	14°15	20°42	20°50	26°49	18°0	9°50	11°58	11°0	16°27	25°5	26°7	18°14	24°39	S 24
M 25	10 16 41	5°44'40	27°12	22°21	22°4	26°31	17°56	9°53	12°1	11°2	16°28	25°2	26°3	18°21	24°39	M 25
T 26	10 20 38	6°44'56	9 ⁴⁵ 55	24°2	23°19	26°13	17°52	9°55	12°5	11°5	16°29	24°59	26°0	18°27	24°39	T 26
W 27	10 24 35	7°45'09	22°26	25°43	24°34	25°54	17°48	9°57	12°8	11°7	16°30	24°57	25°57	18°34	24°38	W 27
T 28	10 28 31	8 ⁴⁵ 21	4 ³⁰ 45	27 ²⁵ 25	25 ³⁸ 48	25 ³⁰ 34	17 ⁴³ 43	9 ⁵⁹ 59	12 ¹² 12	11 ²² 22	16 ³² 32	24 ⁵⁵ 55	25 ³⁸ 38	18 ⁴¹ 41	24 ³⁸ 38	T 28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	17s21	9n48	1n31	22s11	0n10	15s32	1s27	3n 8	3n32	6s 1	1n26	19s58	1n48	8s15	0s44	17s43
S 2	17 4	4 7	0 27	22 10	0 1	15 8	1 28	3 10	3 33	6 1	1 26	19 58	1 48	8 14	0 44	17 43
S 3	16 47	1s37	0s38	22 8	0s 8	14 43	1 28	3 12	3 35	6 0	1 26	19 59	1 48	8 12	0 44	17 42
M 4	16 29	7 15	1 41	22 4	0 16	14 18	1 29	3 14	3 36	6 0	1 27	20 0	1 48	8 11	0 44	17 41
T 5	16 11	12 36	2 39	22 0	0 24	13 53	1 29	3 16	3 37	6 0	1 27	20 0	1 49	8 10	0 44	17 41
W 6	15 53	17 32	3 31	21 54	0 32	13 27	1 29	3 19	3 39	5 59	1 27	20 1	1 49	8 9	0 44	17 40
T 7	15 35	21 50	4 14	21 48	0 40	13 1	1 29	3 22	3 40	5 59	1 28	20 1	1 49	8 7	0 44	17 40
F 8	15 16	25 18	4 46	21 39	0 47	12 34	1 29	3 25	3 41	5 58	1 28	20 2	1 49	8 6	0 44	17 39
S 9	14 57	27 39	5 6	21 30	0 54	12 7	1 29	3 28	3 43	5 58	1 28	20 2	1 49	8 5	0 44	17 38
S 10	14 38	28 38	5 12	21 20	1 1	11 40	1 29	3 32	3 44	5 57	1 28	20 2	1 49	8 4	0 44	17 38
M 11	14 19	28 2	5 1	21 8	1 8	11 13	1 29	3 36	3 45	5 56	1 29	20 3	1 49	8 2	0 44	17 37
T 12	13 59	25 45	4 33	20 55	1 14	10 45	1 29	3 41	3 46	5 55	1 29	20 3	1 49	8 1	0 44	17 37
W 13	13 39	21 52	3 48	20 40	1 20	10 17	1 28	3 45	3 47	5 54	1 29	20 4	1 50	8 0	0 44	17 36
T 14	13 19	16 36	2 48	20 24	1 25	9 48	1 28	3 50	3 49	5 53	1 29	20 4	1 50	7 59	0 44	17 35
F 15	12 59	10 20	1 36	20 7	1 31	9 20	1 27	3 55	3 50	5 52	1 29	20 4	1 50	7 57	0 44	17 35
S 16	12 38	3 26	0 17	19 49	1 36	8 51	1 27	4 1	3 51	5 51	1 30	20 5	1 50	7 56	0 44	17 34
S 17	12 17	3n38	1n 3	19 29	1 41	8 22	1 26	4 7	3 52	5 50	1 30	20 5	1 50	7 55	0 44	17 34
M 18	11 56	10 29	2 19	19 8	1 45	7 52	1 26	4 13	3 53	5 49	1 30	20 5	1 50	7 53	0 44	17 33
T 19	11 35	16 41	3 25	18 46	1 49	7 23	1 25	4 19	3 53	5 47	1 30	20 6	1 50	7 52	0 44	17 32
W 20	11 14	21 53	4 18	18 22	1 53	6 53	1 24	4 25	3 54	5 46	1 31	20 6	1 50	7 51	0 44	17 32
T 21	10 52	25 46	4 54	17 57	1 56	6 23	1 23	4 32	3 55	5 44	1 31	20 6	1 51	7 50	0 44	17 31
F 22	10 31	28 4	5 12	17 30	1 59	5 53	1 22	4 39	3 56	5 43	1 31	20 7	1 51	7 48	0 44	17 31
S 23	10 9	28 41	5 13	17 3	2 2	5 23	1 22	4 46	3 56	5 41	1 31	20 7	1 51	7 47	0 44	17 30
S 24	9 47	27 38	4 58	16 34	2 4	4 52	1 20	4 53	3 57	5 40	1 32	20 7	1 51	7 46	0 44	17 30
M 25	9 25	25 6	4 27	16 3	2 6	4 22	1 19	5 1	3 57	5 38	1 32	20 7	1 51	7 44	0 44	17 29
T 26	9 3	21 22	3 44	15 31	2 7	3 51	1 18	5 8	3 58	5 36	1 32	20 8	1 51	7 43	0 44	17 28
W 27	8 40	16 44	2 50	14 58	2 8	3 20	1 17	5 16	3 58	5 34	1 32	20 8	1 51	7 42	0 44	17 28
T 28	8s18	11n28	1n49	14s24	2s 9	2s50	1s16	5n24	3n58	5s32	1n32	20s 8	1n51	7s40	0s44	17s27

Julian Day Number = 2392771.5, Delta T = 7.66 sec
 Ecliptic obliquity = 23°27'46, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°29'36, Lahiri = 21°36'36

ASTRODIENST EPHEMERIS for the year 1839

geocentric

MARCH 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 32 28	9 ^h 45'30	16 ^m 54	29 ^s 9	27 ^h 3	25°R14	17°R39	10 ^h 1	12 ^h 15	11 ^h 11	16 ^h 33	24°R54	25 ^h 51	18 ^h 47	24°D38	F 1
S 2	10 36 24	10°45'38	28°54	0 ^h 53	28°17	24 ^m 54	17 ^h 34	10° 3	12°19	11°13	16°34	24°D54	25°48	18°54	24 ^h 38	S 2
S 3	10 40 21	11°45'44	10 ^h 47	2°38	29°32	24°33	17°29	10° 5	12°22	11°15	16°35	24 ^h 55	25°44	19° 1	24°38	S 3
M 4	10 44 17	12°45'49	22°37	4°25	0 ^h 46	24°11	17°24	10° 6	12°25	11°17	16°36	24°56	25°41	19° 7	24°39	M 4
T 5	10 48 14	13°45'52	4 ^m 25	6°13	2° 1	23°49	17°19	10° 8	12°29	11°19	16°38	24°57	25°38	19°14	24°39	T 5
W 6	10 52 10	14°45'53	16°16	8° 1	3°15	23°27	17°13	10°10	12°32	11°21	16°39	24°58	25°35	19°21	24°39	W 6
T 7	10 56 7	15°45'52	28°13	9°51	4°30	23° 4	17° 8	10°11	12°36	11°23	16°40	24°59	25°32	19°27	24°40	T 7
F 8	11 0 3	16°45'50	10 ^h 22	11°42	5°44	22°42	17° 2	10°12	12°39	11°25	16°41	24°59	25°29	19°34	24°40	F 8
S 9	11 4 0	17°45'47	22°47	13°34	6°58	22°19	16°56	10°13	12°43	11°27	16°43	24°R59	25°25	19°41	24°41	S 9
S 10	11 7 57	18°45'41	5 ^h 31	15°27	8°13	21°55	16°50	10°15	12°46	11°29	16°44	24°59	25°22	19°47	24°42	S 10
M 11	11 11 53	19°45'34	18°40	17°22	9°27	21°32	16°44	10°16	12°49	11°31	16°45	24°58	25°19	19°54	24°43	M 11
T 12	11 15 50	20°45'26	2 ^h 14	19°17	10°41	21° 8	16°38	10°16	12°53	11°32	16°46	24°58	25°16	20° 1	24°43	T 12
W 13	11 19 46	21°45'15	16°16	21°13	11°55	20°45	16°32	10°17	12°56	11°34	16°48	24°57	25°13	20° 7	24°44	W 13
T 14	11 23 43	22°45'03	0 ^h 42	23°10	13°10	20°21	16°25	10°18	13° 0	11°36	16°49	24°57	25° 9	20°14	24°46	T 14
F 15	11 27 39	23°44'49	15°28	25° 8	14°24	19°57	16°19	10°19	13° 3	11°38	16°50	24°57	25° 6	20°21	24°47	F 15
S 16	11 31 36	24°44'33	0 ^h 28	27° 7	15°38	19°34	16°12	10°19	13° 6	11°40	16°52	24°57	25° 3	20°27	24°48	S 16
S 17	11 35 32	25°44'15	15°33	29° 7	16°52	19°10	16° 5	10°19	13°10	11°41	16°53	24°57	25° 0	20°34	24°49	S 17
M 18	11 39 29	26°43'54	0 ^h 35	1° 7	18° 6	18°47	15°58	10°20	13°13	11°43	16°54	24°57	24°57	20°40	24°51	M 18
T 19	11 43 26	27°43'32	15°24	3° 7	19°20	18°24	15°51	10°20	13°17	11°45	16°56	24°57	24°54	20°47	24°52	T 19
W 20	11 47 22	28°43'07	29°56	5° 8	20°34	18° 1	15°44	10°R20	13°20	11°47	16°57	24°56	24°50	20°54	24°54	W 20
T 21	11 51 19	29°42'40	14 ^h 11	5° 9	21°48	17°39	15°37	10°20	13°23	11°48	16°58	24°56	24°47	21° 0	24°55	T 21
F 22	11 55 15	0 ^h 42'11	27°50	9° 9	23° 2	17°17	15°30	10°20	13°27	11°50	17° 0	24°D56	24°44	21° 7	24°57	F 22
S 23	11 59 12	1°41'40	11 ^h 31	11° 9	24°16	16°55	15°23	10°20	13°30	11°52	17° 1	24°56	24°41	21°14	24°59	S 23
S 24	12 3 8	2°41'06	24°14	13° 7	25°29	16°34	15°15	10°19	13°33	11°53	17° 3	24°56	24°38	21°20	25° 1	S 24
M 25	12 7 5	3°40'30	6 ^h 27	15° 5	26°43	16°13	15° 8	10°19	13°36	11°55	17° 4	24°57	24°35	21°27	25° 3	M 25
T 26	12 11 1	4°39'51	19°24	17° 1	27°57	15°53	15° 1	10°18	13°40	11°56	17° 5	24°58	24°31	21°34	25° 5	T 26
W 27	12 14 58	5°39'10	1 ^h 39	18°54	29°11	15°33	14°53	10°18	13°43	11°58	17° 7	24°59	24°28	21°40	25° 7	W 27
T 28	12 18 55	6°38'27	13°44	20°46	0 ^h 24	15°13	14°46	10°17	13°46	11°59	17° 8	25° 0	24°25	21°47	25° 9	T 28
F 29	12 22 51	7°37'42	25°41	22°34	1°38	14°55	14°38	10°16	13°49	12° 1	17°10	25°R 0	24°22	21°54	25°12	F 29
S 30	12 26 48	8°36'54	7 ^h 34	24°19	2°51	14°36	14°30	10°15	13°53	12° 2	17°11	25° 0	24°19	22° 0	25°14	S 30
S 31	12 30 44	9 ^h 36'05	19 ^h 24	26 ^h 1	4 ^h 5	14 ^m 19	14 ^h 23	10 ^h 14	13 ^h 56	12 ^h 4	17 ^h 12	24 ^h 58	24 ^h 15	22 ^h 7	25 ^h 16	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	7s55	5n52	0n44	13s48	2s 9	2s19	1s14	5n32	3n58	5s30	1n33	20s 8	1n52	7s39	0s44	17s27
S 2	7 32	0 6	0s22	13 11	2 9	1 48	1 13	5 40	3 58	5 28	1 33	20 8	1 52	7 38	0 44	17 26
S 3	7 9	5s36	1 27	12 32	2 8	1 17	1 12	5 49	3 58	5 26	1 33	20 8	1 52	7 36	0 44	17 26
M 4	6 47	11 5	2 28	11 52	2 7	0 46	1 10	5 57	3 58	5 24	1 33	20 8	1 52	7 35	0 44	17 25
T 5	6 23	16 10	3 22	11 11	2 5	0 15	1 8	6 6	3 58	5 22	1 33	20 8	1 52	7 34	0 44	17 25
W 6	6 0	20 40	4 8	10 28	2 3	0n16	1 7	6 14	3 58	5 20	1 33	20 9	1 52	7 32	0 44	17 24
T 7	5 37	24 23	4 44	9 45	2 1	0 47	1 5	6 23	3 57	5 18	1 34	20 9	1 52	7 31	0 44	17 23
F 8	5 14	27 5	5 7	9 0	1 58	1 19	1 3	6 31	3 57	5 15	1 34	20 9	1 53	7 30	0 44	17 23
S 9	4 50	28 33	5 17	8 13	1 54	1 50	1 2	6 40	3 56	5 13	1 34	20 9	1 53	7 29	0 44	17 22
S 10	4 27	28 33	5 12	7 26	1 50	2 21	1 0	6 49	3 55	5 10	1 34	20 9	1 53	7 27	0 44	17 22
M 11	4 4	26 58	4 51	6 37	1 45	2 52	0 58	6 57	3 54	5 8	1 34	20 9	1 53	7 26	0 44	17 21
T 12	3 40	23 47	4 13	5 47	1 40	3 23	0 56	7 6	3 54	5 5	1 34	20 9	1 53	7 25	0 44	17 21
W 13	3 16	19 8	3 19	4 56	1 34	3 54	0 54	7 14	3 53	5 3	1 35	20 9	1 53	7 23	0 44	17 20
T 14	2 53	13 17	2 11	4 4	1 28	4 24	0 52	7 22	3 52	5 0	1 35	20 9	1 53	7 22	0 44	17 20
F 15	2 29	6 32	0 52	3 10	1 21	4 55	0 50	7 31	3 50	4 58	1 35	20 9	1 54	7 21	0 44	17 19
S 16	2 5	0n39	0n31	2 16	1 14	5 26	0 47	7 39	3 49	4 55	1 35	20 9	1 54	7 19	0 44	17 19
S 17	1 42	7 51	1 52	1 22	1 6	5 56	0 45	7 47	3 48	4 52	1 35	20 9	1 54	7 18	0 44	17 18
M 18	1 18	14 35	3 5	0 26	0 57	6 27	0 43	7 55	3 46	4 50	1 35	20 8	1 54	7 17	0 44	17 18
T 19	0 54	20 23	4 5	0n30	0 48	6 57	0 41	8 2	3 45	4 47	1 35	20 8	1 54	7 16	0 44	17 17
W 20	0 31	24 50	4 48	1 27	0 39	7 27	0 38	8 10	3 43	4 44	1 35	20 8	1 54	7 14	0 44	17 17
T 21	0 7	27 40	5 12	2 24	0 29	7 57	0 36	8 17	3 41	4 41	1 35	20 8	1 54	7 13	0 44	17 17
F 22	0n17	28 44	5 17	3 21	0 18	8 26	0 34	8 24	3 40	4 38	1 36	20 8	1 54	7 12	0 44	17 16
S 23	0 40	28 3	5 5	4 15	0 8	8 56	0 31	8 31	3 38	4 35	1 36	20 8	1 55	7 10	0 44	17 16
S 24	1 4	25 50	4 37	5 18	0n 4	9 25	0 29	8 37	3 36	4 33	1 36	20 8	1 55	7 9	0 44	17 15
M 25	1 28	22 22	3 56	6 11	0 15	9 54	0 26	8 44	3 34	4 30	1 36	20 7	1 55	7 8	0 44	17 15
T 26	1 51	17 56	3 5	7 6	0 27	10 23	0 24	8 50	3 32	4 27	1 36	20 7	1 55	7 7	0 44	17 14
W 27	2 15	12 52	2 6	8 1	0 39	10 52	0 21	8 55	3 30	4 24	1 36	20 7	1 55	7 5	0 44	17 14
T 28	2 38	7 22	1 2	8 54	0 51	11 20	0 18	9 1	3 27	4 21	1 36	20 7	1 55	7 4	0 44	17 14
F 29	3 2	1 39	0s 4	9 46	1 3	11 48	0 16	9 6	3 25	4 18	1 36	20 7	1 55	7 3	0 44	17 13
S 30	3 25	4s 4	1 9	10 36	1 14	12 16	0 13	9 11	3 23	4 15	1 36	20 6	1 55	7 2	0 44	17 13
S 31	3n48	9s37	2s11	11n24	1n26	12n44	0s10	9n16	3n21	4s12	1n36	20s 6	1n56	7s 1	0s44	17s12

Julian Day Number = 2392799.5, Delta T = 7.65 sec
 Ecliptic obliquity = 23°27'46, Nutation = 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°29'40, Lahiri = 21°36'40

ASTRODIENST EPHEMERIS for the year 1839

geocentric

APRIL 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 34 41	10°35'14	1°11'13	27°38'38	5°18'18	14°R 2	14°R15	10°R13	13°R59	12°R 5	17°R14	24°R57	24°R12	22°R14	25°R19	M 1
T 2	12 38 37	11°34'20	13° 3	29°11'11	6°32'32	13°R46	14°R 7	10°R12	14° 2	12° 7	17°15	24°R54	24° 9	22°20	25°21	T 2
W 3	12 42 34	12°33'25	24°57	0°40'40	7°45'45	13°30	14° 0	10°11	14° 5	12° 8	17°17	24°51	24° 6	22°27	25°24	W 3
T 4	12 46 30	13°32'28	6°58'58	2° 3	8°58'58	13°16	13°52	10° 9	14° 8	12° 9	17°18	24°49	24° 3	22°34	25°27	T 4
F 5	12 50 27	14°31'30	19° 9	3°21'21	10°12'12	13° 2	13°44	10° 8	14°12	12°11	17°19	24°46	24° 0	22°40	25°30	F 5
S 6	12 54 24	15°30'29	1°33'33	4°34'34	11°25'25	12°48	13°37	10° 6	14°15	12°12	17°21	24°45	23°56	22°47	25°33	S 6
S 7	12 58 20	16°29'27	14°14	5°41'41	12°38'38	12°36	13°29	10° 5	14°18	12°13	17°22	24°D44	23°53	22°54	25°36	S 7
M 8	13 2 17	17°28'23	27°16	6°42'42	13°51'51	12°24	13°21	10° 3	14°21	12°14	17°24	24°44	23°50	23° 0	25°39	M 8
T 9	13 6 13	18°27'17	10°42'42	7°37'37	15° 4	12°13	13°13	10° 1	14°24	12°16	17°25	24°45	23°47	23° 7	25°42	T 9
W10	13 10 10	19°26'09	24°33	8°26'26	16°18'18	12° 2	13° 6	9°59	14°27	12°17	17°27	24°47	23°44	23°14	25°45	W10
T 11	13 14 6	20°25'00	8°51'51	9° 9	17°31'31	11°53	12°58	9°57	14°30	12°18	17°28	24°48	23°40	23°20	25°48	T 11
F 12	13 18 3	21°23'49	23°33	9°45'45	18°44'44	11°44	12°51	9°55	14°32	12°19	17°29	24°R49	23°37	23°27	25°51	F 12
S 13	13 21 59	22°22'36	8°34'34	10°15'15	19°56'56	11°36	12°43	9°53	14°35	12°20	17°31	24°48	23°34	23°34	25°55	S 13
S 14	13 25 56	23°21'21	23°47	10°38'38	21° 9	11°29	12°36	9°51	14°38	12°21	17°32	24°46	23°31	23°40	25°58	S 14
M15	13 29 52	24°20'04	9°1'1	10°56'56	22°22'22	11°23	12°28	9°48	14°41	12°22	17°34	24°43	23°28	23°47	26° 2	M15
T 16	13 33 49	25°18'45	24° 6	11° 7	23°35'35	11°17	12°21	9°46	14°44	12°23	17°35	24°39	23°25	23°54	26° 5	T 16
W17	13 37 46	26°17'24	8°11'11	11°R12	24°48'48	11°12	12°13	9°43	14°47	12°24	17°36	24°34	23°21	24° 0	26° 9	W17
T 18	13 41 42	27°16'01	23°18	11°10'10	26° 0	11° 8	12° 6	9°41	14°49	12°25	17°38	24°30	23°18	24° 7	26°13	T 18
F 19	13 45 39	28°14'36	7°31'31	11° 3	27°13'13	11° 5	11°59	9°38	14°52	12°26	17°39	24°27	23°15	24°14	26°16	F 19
S 20	13 49 35	29°13'09	20°41	10°51'51	28°26'26	11° 3	11°52	9°35	14°55	12°27	17°41	24°25	23°12	24°20	26°20	S 20
S 21	13 53 32	0°11'39	3°12'43	10°33'33	29°38'38	11° 1	11°45	9°32	14°58	12°27	17°42	24°D25	23° 9	24°27	26°24	S 21
M22	13 57 28	1°10'07	16°22	10°11'11	0°11'51	11° 0	11°38	9°29	15° 0	12°28	17°43	24°26	23° 6	24°34	26°28	M22
T 23	14 1 25	2° 8'33	28°42	9°44'44	2° 3	11°D 0	11°31	9°26	15° 3	12°29	17°45	24°27	23° 2	24°40	26°32	T 23
W24	14 5 22	3° 6'57	10°14'48	9°14'14	3°15'15	11° 1	11°24	9°23	15° 5	12°30	17°46	24°29	22°59	24°47	26°36	W24
T 25	14 9 18	4° 5'19	22°45	8°40'40	4°28'28	11° 2	11°18	9°20	15° 8	12°30	17°48	24°R30	22°56	24°54	26°40	T 25
F 26	14 13 15	5° 3'39	4°36'36	8° 4	5°40'40	11° 4	11°11	9°17	15°10	12°31	17°49	24°29	22°53	25° 0	26°44	F 26
S 27	14 17 11	6° 1'56	16°24	7°26'26	6°52'52	11° 7	11° 5	9°14	15°13	12°32	17°50	24°27	22°50	25° 7	26°49	S 27
S 28	14 21 8	7° 0'12	28°13	6°47'47	8° 4	11°10	10°58	9°10	15°15	12°32	17°52	24°22	22°46	25°14	26°53	S 28
M29	14 25 4	7°58'26	10°11'4	6° 8	9°16'16	11°15	10°52	9° 7	15°18	12°33	17°53	24°16	22°43	25°20	26°57	M29
T 30	14 29 1	8°56'39	21°11'59	5°29'29	10°11'28	11°R20	10°46	9° 3	15°R20	12°R33	17°R54	24°R 8	22°R40	25°R27	27°R 2	T 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	4n12	14s50	3s 7	12n10	1n38	13n11	0s 8	9n20	3n18	4s 9	1n36	20s 6	1n56	6s59	0s44	17s12
T 2	4 35	19 30	3 55	12 53	1 49	13 38	0 5	9 24	3 16	4 6	1 36	20 5	1 56	6 58	0 44	17 12
W 3	4 58	23 27	4 34	13 35	1 59	14 5	0 2	9 28	3 13	4 3	1 36	20 5	1 56	6 57	0 44	17 11
T 4	5 21	26 26	5 0	14 13	2 9	14 31	0n 1	9 31	3 11	4 0	1 36	20 5	1 56	6 56	0 44	17 11
F 5	5 44	28 14	5 14	14 49	2 19	14 57	0 3	9 34	3 8	3 57	1 36	20 4	1 56	6 55	0 44	17 11
S 6	6 7	28 40	5 13	15 22	2 27	15 22	0 6	9 37	3 6	3 54	1 36	20 4	1 56	6 53	0 44	17 10
S 7	6 29	27 38	4 57	15 52	2 35	15 47	0 9	9 40	3 3	3 51	1 36	20 4	1 56	6 52	0 44	17 10
M 8	6 52	25 4	4 26	16 19	2 42	16 12	0 12	9 42	3 1	3 48	1 36	20 3	1 57	6 51	0 44	17 10
T 9	7 14	21 5	3 40	16 43	2 48	16 37	0 15	9 44	2 58	3 45	1 36	20 3	1 57	6 50	0 45	17 9
W10	7 37	15 51	2 39	17 4	2 54	17 1	0 18	9 45	2 55	3 42	1 36	20 3	1 57	6 49	0 45	17 9
T 11	7 59	9 36	1 27	17 22	2 58	17 24	0 20	9 46	2 53	3 39	1 36	20 2	1 57	6 48	0 45	17 9
F 12	8 21	2 40	0 7	17 36	3 0	17 47	0 23	9 47	2 50	3 36	1 36	20 2	1 57	6 47	0 45	17 8
S 13	8 43	4n33	1n15	17 47	3 2	18 10	0 26	9 48	2 47	3 33	1 36	20 1	1 57	6 46	0 45	17 8
S 14	9 5	11 36	2 32	17 55	3 3	18 32	0 29	9 48	2 45	3 31	1 36	20 1	1 57	6 44	0 45	17 8
M15	9 27	17 58	3 39	18 0	3 2	18 54	0 32	9 48	2 42	3 28	1 36	20 1	1 57	6 43	0 45	17 7
T 16	9 48	23 10	4 30	18 1	3 0	19 15	0 35	9 48	2 40	3 25	1 36	20 0	1 57	6 42	0 45	17 7
W17	10 9	26 46	5 1	17 59	2 56	19 36	0 38	9 47	2 37	3 22	1 35	20 0	1 57	6 41	0 45	17 7
T 18	10 31	28 30	5 12	17 54	2 51	19 56	0 41	9 46	2 34	3 19	1 35	19 59	1 57	6 40	0 45	17 7
F 19	10 52	28 20	5 5	17 46	2 45	20 16	0 43	9 45	2 32	3 17	1 35	19 59	1 58	6 39	0 45	17 6
S 20	11 12	26 29	4 40	17 35	2 37	20 35	0 46	9 44	2 29	3 14	1 35	19 58	1 58	6 38	0 45	17 6
S 21	11 33	23 16	4 2	17 21	2 28	20 53	0 49	9 42	2 26	3 11	1 35	19 58	1 58	6 37	0 45	17 6
M22	11 54	19 1	3 13	17 4	2 18	21 11	0 52	9 40	2 24	3 9	1 35	19 57	1 58	6 36	0 45	17 6
T 23	12 14	14 4	2 16	16 44	2 6	21 29	0 55	9 37	2 21	3 6	1 35	19 57	1 58	6 35	0 45	17 6
W24	12 34	8 40	1 14	16 22	1 53	21 46	0 57	9 35	2 19	3 4	1 35	19 56	1 58	6 34	0 45	17 5
T 25	12 54	3 2	0 10	15 58	1 39	22 2	1 0	9 32	2 16	3 1	1 35	19 56	1 58	6 33	0 45	17 5
F 26	13 13	2s40	0s55	15 33	1 25	22 18	1 3	9 29	2 14	2 59	1 34	19 55	1 58	6 32	0 45	17 5
S 27	13 33	8 14	1 56	15 6	1 9	22 33	1 5	9 25	2 11	2 56	1 34	19 55	1 58	6 31	0 45	17 5
S 28	13 52	13 32	2 52	14 37	0 53	22 48	1 8	9 22	2 9	2 54	1 34	19 54	1 58	6 30	0 45	17 5
M29	14 11	18 21	3 41	14 8	0 36	23 2	1 11	9 18	2 6	2 52	1 34	19 53	1 58	6 30	0 45	17 5
T 30	14n30	22s29	4s21	13n39	0n19	23n15	1n13	9n14	2n 4	2s50	1n34	19s53	1n58	6s29	0s45	17s 4

Julian Day Number = 2392830.5, Delta T = 7.65 sec

Ecliptic obliquity = 23°27'46, Nutation = 0°00'01, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°29'44, Lahiri = 21°36'45

ASTRODIENST EPHEMERIS for the year 1839
geocentric

MAY 1839

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 32 57	9♂54'50	4♂ 1	4♂R51	11♂40	11♂25	10♂R40	9♂R 0	15♂22	12♂34	17♂56	24♂R 0	22♂37	25♂34	27♂ 6	W 1
T 2	14 36 54	10°52'59	16°10	4♂15	12°52	11°31	10♂34	8♂56	15°25	12°34	17°57	23♂51	22°34	25°40	27°11	T 2
F 3	14 40 51	11°51'06	28°28	3°41	14° 4	11°38	10°28	8°52	15°27	12°35	17°58	23°44	22°31	25°47	27°15	F 3
S 4	14 44 47	12°49'12	10♂58	3° 9	15°15	11°46	10°23	8°49	15°29	12°35	18° 0	23°38	22°27	25°54	27°20	S 4
S 5	14 48 44	13°47'17	23°42	2°41	16°27	11°54	10°17	8°45	15°31	12°36	18° 1	23°34	22°24	26° 0	27°25	S 5
M 6	14 52 40	14°45'20	6♂42	2°17	17°38	12° 3	10°12	8°41	15°33	12°36	18° 2	23°32	22°21	26° 7	27°29	M 6
T 7	14 56 37	15°43'22	20° 2	1°57	18°50	12°12	10° 7	8°37	15°36	12°36	18° 4	23°D31	22°18	26°14	27°34	T 7
W 8	15 0 33	16°41'23	3♂43	1°40	20° 1	12°22	10° 2	8°33	15°38	12°37	18° 5	23°32	22°15	26°20	27°39	W 8
T 9	15 4 30	17°39'22	17°48	1°29	21°13	12°33	9°57	8°29	15°40	12°37	18° 6	23°R33	22°12	26°27	27°44	T 9
F 10	15 8 26	18°37'20	2♂16	1°21	22°24	12°44	9°52	8°25	15°42	12°37	18° 7	23°33	22° 8	26°34	27°48	F 10
S 11	15 12 23	19°35'16	17° 5	1°D19	23°36	12°55	9°47	8°21	15°44	12°37	18° 9	23°31	22° 5	26°40	27°53	S 11
S 12	15 16 19	20°33'11	2♂ 8	1°21	24°47	13° 8	9°43	8°17	15°45	12°37	18°10	23°26	22° 2	26°47	27°58	S 12
M13	15 20 16	21°31'05	17°17	1°27	25°58	13°20	9°39	8°13	15°47	12°37	18°11	23°20	21°59	26°54	28° 3	M13
T 14	15 24 13	22°28'58	2♂23	1°38	27° 9	13°34	9°35	8° 9	15°49	12°37	18°12	23°11	21°56	27° 0	28° 8	T 14
W15	15 28 9	23°26'49	17°15	1°54	28°20	13°48	9°31	8° 5	15°51	12°37	18°14	23° 2	21°52	27° 7	28°14	W15
T 16	15 32 6	24°24'38	1♂46	2°14	29°31	14° 2	9°27	8° 0	15°53	12°R38	18°15	22°53	21°49	27°14	28°19	T 16
F 17	15 36 2	25°22'26	15°49	2°39	0♂42	14°17	9°23	7°56	15°54	12°37	18°16	22°46	21°46	27°20	28°24	F 17
S 18	15 39 59	26°20'12	29°24	3° 7	1°52	14°33	9°20	7°52	15°56	12°37	18°17	22°41	21°43	27°27	28°29	S 18
S 19	15 43 55	27°17'57	12♂30	3°40	3° 3	14°48	9°16	7°48	15°58	12°37	18°18	22°38	21°40	27°34	28°34	S 19
M20	15 47 52	28°15'39	25°10	4°17	4°14	15° 5	9°13	7°43	15°59	12°37	18°19	22°D37	21°37	27°40	28°40	M20
T 21	15 51 49	29°13'21	7♂30	4°58	5°24	15°22	9°10	7°39	16° 1	12°37	18°21	22°37	21°33	27°47	28°45	T 21
W22	15 55 45	0♂11'00	19°35	5°42	6°35	15°39	9° 8	7°35	16° 2	12°37	18°22	22°R37	21°30	27°54	28°50	W22
T 23	15 59 42	1° 8'38	1♂29	6°30	7°45	15°57	9° 5	7°30	16° 4	12°37	18°23	22°37	21°27	28° 0	28°56	T 23
F 24	16 3 38	2° 6'15	13°18	7°22	8°55	16°15	9° 3	7°26	16° 5	12°36	18°24	22°35	21°24	28° 7	29° 1	F 24
S 25	16 7 35	3° 3'50	25° 6	8°16	10° 6	16°34	9° 0	7°21	16° 6	12°36	18°25	22°31	21°21	28°14	29° 7	S 25
S 26	16 11 31	4° 1'24	6♂56	9°15	11°16	16°53	8°58	7°17	16° 8	12°36	18°26	22°24	21°18	28°20	29°12	S 26
M27	16 15 28	4°58'56	18°52	10°16	12°26	17°12	8°56	7°12	16° 9	12°35	18°27	22°14	21°14	28°27	29°17	M27
T 28	16 19 24	5°56'28	0♂55	11°21	13°36	17°32	8°55	7° 8	16°10	12°35	18°28	22° 2	21°11	28°34	29°23	T 28
W29	16 23 21	6°53'58	13° 7	12°29	14°45	17°53	8°53	7° 4	16°11	12°35	18°29	21°50	21° 8	28°40	29°29	W29
T 30	16 27 18	7°51'28	25°29	13°40	15°55	18°13	8°52	6°59	16°12	12°34	18°30	21°37	21° 5	28°47	29°34	T 30
F 31	16 31 14	8♂48'56	8♂ 2	14♂53	17♂ 5	18♂34	8♂51	6♂55	16♂13	12♂34	18♂31	21♂25	21♂ 2	28♂54	29♂40	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	14n48	25s42 4s49	13n10	0n 1	23n28	1n16	9n 9	2n 1	2s47	1n34	19s52	1n58	6s28	0s45	17s 4	0s 1
T 2	15 6	27 48 5 5	12 42	0s16	23 40 1 18	9 5	1 59	2 45	1 33	19 52	1 58	6 27	0 45	17 4	0 1	8 31
F 3	15 24	28 34 5 6	12 14	0 33	23 51 1 21	9 0	1 56	2 43	1 33	19 51	1 58	6 26	0 45	17 4	0 1	8 31
S 4	15 42	27 53 4 54	11 48	0 50	24 2 1 23	8 55	1 54	2 41	1 33	19 50	1 58	6 25	0 45	17 4	0 1	8 30
S 5	16 0	25 45 4 26	11 23	1 6	24 12 1 26	8 50	1 52	2 39	1 33	19 50	1 59	6 24	0 45	17 4	0 1	8 30
M 6	16 17	22 14 3 45	11 0	1 22	24 21 1 28	8 44	1 49	2 37	1 33	19 49	1 59	6 24	0 45	17 4	0 1	8 30
T 7	16 34	17 31 2 50	10 39	1 37	24 30 1 30	8 39	1 47	2 35	1 33	19 49	1 59	6 23	0 45	17 4	0 1	8 29
W 8	16 50	11 47 1 45	10 20	1 51	24 38 1 33	8 33	1 45	2 34	1 32	19 48	1 59	6 22	0 45	17 4	0 1	8 29
T 9	17 7	5 18 0 31	10 3	2 4	24 45 1 35	8 26	1 43	2 32	1 32	19 47	1 59	6 21	0 45	17 4	0 1	8 29
F 10	17 23	1n37 0n47	9 49	2 17	24 52 1 37	8 20	1 40	2 30	1 32	19 47	1 59	6 21	0 45	17 4	0 1	8 28
S 11	17 39	8 36 2 3	9 38	2 28	24 58 1 39	8 14	1 38	2 29	1 32	19 46	1 59	6 20	0 45	17 3	0 1	8 28
S 12	17 54	15 13 3 11	9 28	2 39	25 3 1 41	8 7	1 36	2 27	1 32	19 45	1 59	6 19	0 45	17 3	0 1	8 28
M13	18 10	20 57 4 7	9 22	2 48	25 7 1 43	8 0	1 34	2 25	1 31	19 45	1 59	6 18	0 45	17 3	0 1	8 27
T 14	18 25	25 19 4 45	9 17	2 57	25 11 1 45	7 53	1 32	2 24	1 31	19 44	1 59	6 18	0 45	17 3	0 1	8 27
W15	18 39	27 53 5 3	9 16	3 4	25 14 1 47	7 46	1 30	2 23	1 31	19 43	1 59	6 17	0 45	17 3	0 1	8 27
T 16	18 54	28 28 5 1	9 16	3 11	25 17 1 49	7 38	1 28	2 21	1 31	19 43	1 59	6 16	0 46	17 3	0 1	8 27
F 17	19 7	27 10 4 40	9 19	3 17	25 18 1 51	7 30	1 26	2 20	1 30	19 42	1 59	6 16	0 46	17 3	0 1	8 26
S 18	19 21	24 17 4 5	9 25	3 21	25 19 1 52	7 23	1 24	2 19	1 30	19 41	1 59	6 15	0 46	17 3	0 1	8 26
S 19	19 35	20 13 3 17	9 32	3 25	25 20 1 54	7 15	1 22	2 18	1 30	19 41	1 59	6 15	0 46	17 4	0 1	8 26
M20	19 48	15 21 2 21	9 42	3 28	25 19 1 56	7 6	1 20	2 17	1 30	19 40	1 59	6 14	0 46	17 4	0 1	8 26
T 21	20 0	10 0 1 20	9 53	3 30	25 18 1 57	6 58	1 18	2 16	1 29	19 39	1 59	6 13	0 46	17 4	0 1	8 26
W22	20 13	4 23 0 16	10 7	3 31	25 16 1 59	6 49	1 16	2 15	1 29	19 39	1 59	6 13	0 46	17 4	0 1	8 25
T 23	20 25	1s19 0s47	10 22	3 32	25 14 2 0	6 41	1 14	2 14	1 29	19 38	1 59	6 12	0 46	17 4	0 1	8 25
F 24	20 36	6 55 1 48	10 39	3 31	25 11 2 1	6 32	1 12	2 14	1 29	19 37	1 58	6 12	0 46	17 4	0 1	8 25
S 25	20 47	12 15 2 44	10 58	3 30	25 7 2 2	6 23	1 10	2 13	1 28	19 37	1 58	6 11	0 46	17 4	0 1	8 25
S 26	20 58	17 11 3 32	11 18	3 28	25 2 2 3	6 14	1 8	2 12	1 28	19 36	1 58	6 11	0 46	17 4	0 1	8 25
M27	21 9	21 29 4 12	11 40	3 26	24 57 2 4	6 5	1 6	2 12	1 28	19 35	1 58	6 11	0 46	17 4	0 2	8 24
T 28	21 19	24 56 4 41	12 3	3 22	24 51 2 5	5 55	1 5	2 12	1 28	19 35	1 58	6 10	0 46	17 4	0 2	8 24
W29	21 29	27 19 4 57	12 27	3 18	24 44 2 6	5 46	1 3	2 11	1 27	19 34	1 58	6 10	0 46	17 4	0 2	8 24
T 30	21 38	28 23 5 0	12 52	3 14	24 37 2 7	5 36	1 1	2 11	1 27	19 33	1 58	6 9	0 46	17 5	0 2	8 24
F 31	21n48	28s 1 4s48	13n19	3s 8	24n29 2n 8	5n26	0n59	2s11	1n27	19s33	1n58	6s 9	0s46	17s 5	0s 2	8s24

Julian Day Number = 2392860.5, Delta T = 7.64 sec
Ecliptic obliquity = 23°27'46, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°29'48, Lahiri = 21°36'49

ASTRODIENST EPHEMERIS for the year 1839
geocentric

JUNE 1839

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	16 35 11	9Ⅱ46'23	20☾45	16☿10	18♈14	18♉56	8°R50	6°R50	16♊14	12°R33	18♋32	21°R16	20♌58	29♍1	29Ⅱ45	S 1
S 2	16 39 7	10°43'50	3≈40	17°30	19°24	19°17	8♌49	6♍46	16°15	12≈33	18°33	21♎9	20°55	29°7	29°51	S 2
M 3	16 43 4	11°41'16	16°48	18°52	20°33	19°40	8°48	6°41	16°16	12°32	18°34	21°4	20°52	29°14	29°57	M 3
T 4	16 47 0	12°38'41	0♈10	20°17	21°42	20°2	8°48	6°37	16°17	12°32	18°35	21°3	20°49	29°21	0☾2	T 4
W 5	16 50 57	13°36'06	13°48	21°45	22°51	20°25	8°48	6°32	16°18	12°31	18°36	21°2	20°46	29°27	0°8	W 5
T 6	16 54 53	14°33'30	27°44	23°16	24°0	20°48	8°D47	6°28	16°19	12°30	18°37	21°2	20°43	29°34	0°14	T 6
F 7	16 58 50	15°30'53	11♋58	24°49	25°9	21°12	8°48	6°24	16°20	12°30	18°38	21°1	20°39	29°41	0°20	F 7
S 8	17 2 47	16°28'16	26°29	26°25	26°18	21°35	8°48	6°19	16°20	12°29	18°38	20°58	20°36	29°47	0°25	S 8
S 9	17 6 43	17°25'38	11♌13	28°4	27°26	22°0	8°48	6°15	16°21	12°28	18°39	20°52	20°33	29°54	0°31	S 9
M10	17 10 40	18°23'00	26°4	29°46	28°35	22°24	8°49	6°11	16°21	12°27	18°40	20°44	20°30	0♎1	0°37	M10
T 11	17 14 36	19°20'21	10Ⅱ54	1Ⅱ30	29°43	22°49	8°50	6°6	16°22	12°27	18°41	20°34	20°27	0°7	0°43	T 11
W12	17 18 33	20°17'42	25°35	3°17	0♌52	23°14	8°51	6°2	16°23	12°26	18°42	20°23	20°24	0°14	0°49	W12
T 13	17 22 29	21°15'02	9☾59	5°6	2°0	23°39	8°52	5°58	16°23	12°25	18°42	20°11	20°20	0°21	0°55	T 13
F 14	17 26 26	22°12'22	24°0	6°58	3°8	24°5	8°53	5°54	16°23	12°24	18°43	20°2	20°17	0°27	1°0	F 14
S 15	17 30 23	23°9'40	7♌35	8°52	4°16	24°31	8°55	5°50	16°24	12°23	18°44	19°55	20°14	0°34	1°6	S 15
S 16	17 34 19	24°6'58	20°42	10°49	5°24	24°57	8°56	5°46	16°24	12°22	18°45	19°50	20°11	0°41	1°12	S 16
M17	17 38 16	25°4'14	3♎25	12°48	6°31	25°24	8°58	5°41	16°24	12°21	18°45	19°48	20°8	0°47	1°18	M17
T 18	17 42 12	26°1'30	15°47	14°50	7°39	25°51	9°0	5°37	16°24	12°20	18°46	19°47	20°4	0°54	1°24	T 18
W19	17 46 9	26°58'46	27°53	16°53	8°46	26°18	9°3	5°33	16°25	12°19	18°47	19°47	20°1	1°1	1°30	W19
T 20	17 50 5	27°56'00	9♌49	18°58	9°54	26°45	9°5	5°29	16°25	12°18	18°47	19°46	19°58	1°7	1°36	T 20
F 21	17 54 2	28°53'14	21°38	21°5	11°1	27°13	9°8	5°26	16°25	12°17	18°48	19°45	19°55	1°14	1°42	F 21
S 22	17 57 58	29°50'27	3♎28	23°13	12°8	27°41	9°10	5°22	16°R25	12°16	18°49	19°41	19°52	1°21	1°48	S 22
S 23	18 1 55	0☾47'40	15°22	25°22	13°14	28°9	9°13	5°18	16°25	12°15	18°49	19°34	19°49	1°27	1°54	S 23
M24	18 5 51	1°44'52	27°23	27°32	14°21	28°37	9°16	5°14	16°25	12°14	18°50	19°25	19°45	1°34	1°59	M24
T 25	18 9 48	2°42'04	9♊35	29°43	15°27	29°6	9°20	5°10	16°25	12°13	18°50	19°14	19°42	1°41	2°5	T 25
W26	18 13 45	3°39'16	21°59	1♌54	16°34	29°35	9°23	5°7	16°24	12°12	18°51	19°1	19°39	1°47	2°11	W26
T 27	18 17 41	4°36'27	4☾36	4°5	17°40	0♌4	9°26	5°3	16°24	12°11	18°51	18°49	19°36	1°54	2°17	T 27
F 28	18 21 38	5°33'38	17°26	6°16	18°46	0°33	9°30	5°0	16°24	12°9	18°52	18°38	19°33	2°1	2°23	F 28
S 29	18 25 34	6°30'49	0≈29	8°26	19°51	1°2	9°34	4°56	16°23	12°8	18°52	18°28	19°30	2°8	2°29	S 29
S 30	18 29 31	7☾28'00	13≈43	10☾36	20♌57	1♌32	9♌38	4♊53	16♊23	12≈7	18♋53	18♌21	19♌26	2♎14	2☾35	S 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl	decl
S 1	21n56	26s11	4s22	13n47	3s 2	24n20	2n 8	5n16	0n58	2s10	1n27	19s32	1n58	6s 9	0s46	17s 5	0s 2	8s24	16s56	3s28	3s35	14s 6	17n41	5s47										
S 2	22 5	22 58	3 43	14 15	2 56	24 11	2 9	5 6	0 56	2 10	1 26	19 31	1 58	6 8	0 46	17 5	0 2	8 24	16 56	3 31	3 36	14 9	17 41	5 47										
M 3	22 13	18 32	2 50	14 44	2 49	24 1	2 9	4 56	0 54	2 10	1 26	19 31	1 58	6 8	0 46	17 5	0 2	8 24	16 56	3 33	3 37	14 12	17 41	5 47										
T 4	22 20	13 7	1 48	15 14	2 41	23 50	2 9	4 45	0 52	2 10	1 26	19 30	1 58	6 8	0 46	17 5	0 2	8 24	16 57	3 33	3 39	14 15	17 41	5 47										
W 5	22 27	6 58	0 38	15 45	2 33	23 39	2 10	4 35	0 51	2 11	1 26	19 29	1 58	6 7	0 46	17 5	0 2	8 23	16 57	3 33	3 40	14 18	17 41	5 47										
T 6	22 34	0 22	0n35	16 16	2 25	23 28	2 10	4 24	0 49	2 11	1 25	19 29	1 58	6 7	0 46	17 6	0 2	8 23	16 57	3 33	3 41	14 21	17 41	5 47										
F 7	22 40	6n24	1 48	16 48	2 16	23 15	2 10	4 13	0 48	2 11	1 25	19 28	1 58	6 7	0 46	17 6	0 2	8 23	16 57	3 34	3 42	14 24	17 41	5 47										
S 8	22 46	12 57	2 56	17 19	2 7	23 2	2 10	4 3	0 46	2 11	1 25	19 27	1 57	6 7	0 46	17 6	0 2	8 23	16 58	3 35	3 44	14 27	17 41	5 47										
S 9	22 52	18 53	3 52	17 51	1 57	22 49	2 10	3 52	0 44	2 12	1 25	19 27	1 57	6 6	0 46	17 6	0 2	8 23	16 58	3 37	3 45	14 30	17 41	5 47										
M10	22 57	23 43	4 33	18 23	1 47	22 34	2 9	3 40	0 43	2 12	1 24	19 26	1 57	6 6	0 46	17 7	0 2	8 23	16 58	3 40	3 46	14 33	17 41	5 47										
T 11	23 2	26 59	4 56	18 55	1 36	22 20	2 9	3 29	0 41	2 13	1 24	19 25	1 57	6 6	0 47	17 7	0 2	8 23	16 59	3 45	3 47	14 36	17 41	5 47										
W12	23 6	28 22	4 59	19 26	1 26	22 4	2 8	3 18	0 40	2 14	1 24	19 25	1 57	6 6	0 47	17 7	0 2	8 23	16 59	3 49	3 49	14 39	17 41	5 47										
T 13	23 10	27 47	4 43	19 57	1 15	21 49	2 8	3 6	0 38	2 14	1 24	19 24	1 57	6 6	0 47	17 7	0 2	8 23	16 59	3 53	3 50	14 42	17 41	5 46										
F 14	23 14	25 26	4 10	20 27	1 4	21 32	2 7	2 55	0 37	2 15	1 23	19 24	1 57	6 6	0 47	17 8	0 2	8 23	17 0	3 57	3 51	14 45	17 41	5 46										
S 15	23 17	21 40	3 23	20 56	0 52	21 15	2 6	2 43	0 35	2 16	1 23	19 23	1 57	6 5	0 47	17 8	0 2	8 23	17 0	4 0	3 52	14 48	17 41	5 46										
S 16	23 20	16 56	2 27	21 25	0 41	20 58	2 5	2 31	0 34	2 17	1 23	19 22	1 57	6 5	0 47	17 8	0 2	8 23	17 0	4 2	3 54	14 51	17 41	5 46										
M17	23 22	11 35	1 25	21 52	0 30	20 40	2 4	2 20	0 32	2 18	1 22	19 22	1 56	6 5	0 47	17 8	0 2	8 23	17 1	4 3	3 55	14 54	17 41	5 47										
T 18	23 24	5 56	0 21	22 18	0 18	20 21	2 3	2 8	0 31	2 19	1 22	19 21	1 56	6 5	0 47	17 9	0 2	8 23	17 1	4 3	3 56	14 57	17 41	5 47										
W19	23 26	0 11	0s43	22 42	0 7	20 3	2 2	1 56	0 30	2 20	1 22	19 21	1 56	6 5	0 47	17 9	0 2	8 24	17 1	4 3	3 57	15 0	17 41	5 47										
T 20	23 27	5s29	1 44	23 4	0n4	19 43	2 0	1 43	0 28	2 21	1 22	19 20	1 56	6 5	0 47	17 9	0 2	8 24	17 1	4 3	3 59	15 3	17 41	5 47										
F 21	23 27	10 55	2 40	23 24	0 15	19 23	1 59	1 31	0 27	2 22	1 21	19 20	1 56	6 5	0 47	17 10	0 2	8 24	17 2	4 4	4 0	15 6	17 40	5 47										
S 22	23 28	15 58	3 29	23 42	0 25	19 3	1 57	1 19	0 25	2 24	1 21	19 19	1 56	6 5	0 47	17 10	0 2	8 24	17 2	4 6	4 1	15 9	17 40	5 47										
S 23	23 28	20 26	4 10	23 58	0 35	18 43	1 56	1 6	0 24	2 25	1 21	19 19	1 56	6 5	0 47	17 10	0 2	8 24	17 2	4 8	4 2	15 12	17 40	5 47										
M24	23 27	24 7	4 39	24 11	0 45	18 21	1 54	0 54	0 23	2 27	1 21	19 18	1 55	6 5	0 47	17 10	0 2	8 24	17 3	4 12	4 4	15 15	17 40	5 47										
T 25	23 26	26 48	4 57	24 22	0 54	18 0	1 52	0 41	0 21	2 28	1 20	19 18	1 55	6 5	0 47	17 11	0 2	8 24	17 3	4 16	4 5	15 18	17 40	5 47										
W26	23 25	28 13	5 0	24 30	1 3	17 38	1 50	0 29	0 20	2 30	1 20	19 17	1 55	6 6	0 47	17 11	0 2	8 24	17 3	4 21	4 6	15 21	17 40	5 47										
T 27	23 23	28 12	4 50	24 35	1 11	17 16	1 48	0 16	0 19	2 31	1 20	19 17	1 55	6 6	0 47	17 11	0 2	8 24	17 4	4 26	4 7	15 24	17 40	5 47										
F 28	23 21	26 41	4 24	24 37	1 18	16 53	1 45	0 3	0 18	2 33	1 20	19 16	1 55	6 6	0 47	17 12	0 2	8 24	17 4	4 30	4 9	15 27	17 39	5 47										
S 29	23 18	23 43	3 45	24 36	1 25	16 30	1 43	0s10	0 16	2 35	1 19	19 16	1 55	6 6	0 47	17 12	0 2	8 25	17 5	4 34	4 10	15 30	17 39	5 47										
S 30	23n15	19s29	2s52	24n33	1n31	16n 7	1n40	0s23	0n15	2s37	1n19	19s15	1n54	6s 6	0s47	17s13	0s 2	8s25	17s 5	4s36	4s11	15s33	17n39	5s47										

ASTRODIENST EPHEMERIS for the year 1839

geocentric

JULY 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 33 27	8°25'11	27°7	12°45	22°12	2°2	9°42	4°R50	16°R23	12°R 6	18°V53	18°R17	19°H23	2°M21	2°S41	M 1
T 2	18 37 24	9°22'22	10°H43	14°52	23° 7	2°32	9°47	4°H46	16°H22	12°H 4	18°53	18°H16	19°20	2°28	2°47	T 2
W 3	18 41 21	10°19'33	24°29	16°59	24°12	3° 2	9°51	4°43	16°22	12° 3	18°54	18°D16	19°17	2°34	2°53	W 3
T 4	18 45 17	11°16'45	8°V25	19° 3	25°17	3°33	9°56	4°40	16°21	12° 2	18°54	18°R16	19°14	2°41	2°59	T 4
F 5	18 49 14	12°13'57	22°32	21° 7	26°22	4° 4	10° 1	4°37	16°21	12° 0	18°54	18°16	19°10	2°48	3° 5	F 5
S 6	18 53 10	13°11'09	6°B49	23° 8	27°26	4°35	10° 6	4°34	16°20	11°59	18°55	18°14	19° 7	2°54	3°11	S 6
S 7	18 57 7	14° 8'22	21°13	25° 8	28°30	5° 6	10°11	4°31	16°19	11°58	18°55	18° 9	19° 4	3° 1	3°16	S 7
M 8	19 1 3	15° 5'35	5°H40	27° 6	29°34	5°37	10°16	4°28	16°18	11°56	18°55	18° 3	19° 1	3° 8	3°22	M 8
T 9	19 5 0	16° 2'49	20° 6	29° 2	0°H38	6° 9	10°22	4°25	16°18	11°55	18°56	17°54	18°58	3°14	3°28	T 9
W10	19 8 56	17° 0'03	4°S24	0°L57	1°41	6°41	10°27	4°23	16°17	11°53	18°56	17°45	18°55	3°21	3°34	W10
T 11	19 12 53	17°57'17	18°29	2°49	2°44	7°13	10°33	4°20	16°16	11°52	18°56	17°35	18°51	3°28	3°40	T 11
F 12	19 16 50	18°54'32	2°L15	4°40	3°47	7°45	10°39	4°18	16°15	11°50	18°56	17°27	18°48	3°34	3°46	F 12
S 13	19 20 46	19°51'46	15°40	6°29	4°50	8°17	10°45	4°15	16°14	11°49	18°56	17°21	18°45	3°41	3°52	S 13
S 14	19 24 43	20°49'01	28°42	8°15	5°52	8°49	10°51	4°13	16°13	11°47	18°56	17°17	18°42	3°48	3°57	S 14
M15	19 28 39	21°46'16	11°H23	10° 0	6°54	9°22	10°57	4°10	16°12	11°46	18°57	17°D15	18°39	3°54	4° 3	M15
T 16	19 32 36	22°43'31	23°45	11°43	7°56	9°55	11° 4	4° 8	16°11	11°44	18°57	17°15	18°36	4° 1	4° 9	T 16
W17	19 36 32	23°40'47	5°S52	13°24	8°58	10°28	11°10	4° 6	16°10	11°43	18°57	17°16	18°32	4° 8	4°15	W17
T 18	19 40 29	24°38'02	17°48	15° 4	9°59	11° 1	11°17	4° 4	16° 9	11°41	18°57	17°17	18°29	4°15	4°20	T 18
F 19	19 44 25	25°35'18	29°39	16°41	11° 0	11°35	11°24	4° 2	16° 7	11°40	18°57	17°R17	18°26	4°21	4°26	F 19
S 20	19 48 22	26°32'34	11°M31	18°17	12° 1	12° 8	11°31	4° 0	16° 6	11°38	18°R57	17°16	18°23	4°28	4°32	S 20
S 21	19 52 19	27°29'50	23°27	19°50	13° 1	12°42	11°38	3°59	16° 5	11°37	18°57	17°13	18°20	4°35	4°37	S 21
M22	19 56 15	28°27'07	5°H33	21°22	14° 1	13°16	11°45	3°57	16° 3	11°35	18°57	17° 8	18°16	4°41	4°43	M22
T 23	20 0 12	29°24'24	17°51	22°52	15° 0	13°50	11°53	3°55	16° 2	11°34	18°57	17° 1	18°13	4°48	4°49	T 23
W24	20 4 8	0°L21'42	0°S25	24°19	16° 0	14°24	12° 0	3°54	16° 1	11°32	18°57	16°53	18°10	4°55	4°54	W24
T 25	20 8 5	1°19'00	13°15	25°45	16°58	14°58	12° 8	3°52	15°59	11°30	18°57	16°45	18° 7	5° 1	5° 0	T 25
F 26	20 12 1	2°16'19	26°23	27° 9	17°57	15°33	12°16	3°51	15°58	11°29	18°56	16°38	18° 4	5° 8	5° 5	F 26
S 27	20 15 58	3°13'39	9°H46	28°31	18°55	16° 7	12°23	3°50	15°56	11°27	18°56	16°32	18° 1	5°15	5°11	S 27
S 28	20 19 54	4°10'59	23°23	29°51	19°52	16°42	12°31	3°49	15°55	11°26	18°56	16°28	17°57	5°21	5°16	S 28
M29	20 23 51	5° 8'20	7°H12	1°H 9	20°50	17°17	12°39	3°48	15°53	11°24	18°56	16°26	17°54	5°28	5°22	M29
T 30	20 27 48	6° 5'42	21°10	2°24	21°46	17°52	12°48	3°47	15°51	11°22	18°56	16°D26	17°51	5°35	5°27	T 30
W31	20 31 44	7°L 3'05	5°V14	3°H38	22°H43	18°S27	12°S56	3°H46	15°H50	11°H21	18°V55	16°H26	17°H48	5°M41	5°S33	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n12	14s12	1s50	24n26	1n36	15n43	1n38	0s36	0n14	2s38	1n19	19s15	1n54	6s 6	0s47	17s13
T 2	23 8	8 10	0 40	24 18	1 40	15 19	1 35	0 49	0 13	2 40	1 19	19 14	1 54	6 7	0 47	17 13
W 3	23 4	1 41	0n33	24 6	1 44	14 55	1 32	1 2	0 11	2 42	1 18	19 14	1 54	6 7	0 47	17 14
T 4	22 59	4n57	1 45	23 52	1 47	14 30	1 29	1 15	0 10	2 44	1 18	19 14	1 54	6 7	0 47	17 14
F 5	22 54	11 26	2 52	23 36	1 49	14 5	1 26	1 29	0 9	2 47	1 18	19 13	1 54	6 7	0 47	17 14
S 6	22 49	17 24	3 58	23 18	1 51	13 40	1 23	1 42	0 8	2 49	1 18	19 13	1 53	6 8	0 47	17 15
S 7	22 43	22 26	4 31	22 57	1 51	13 15	1 19	1 55	0 7	2 51	1 17	19 13	1 53	6 8	0 47	17 15
M 8	22 36	26 8	4 57	22 35	1 52	12 49	1 16	2 9	0 6	2 53	1 17	19 12	1 53	6 8	0 48	17 16
T 9	22 30	28 8	5 3	22 11	1 51	12 23	1 12	2 23	0 4	2 56	1 17	19 12	1 53	6 9	0 48	17 16
W10	22 23	28 14	4 51	21 45	1 50	11 57	1 8	2 36	0 3	2 58	1 17	19 12	1 53	6 9	0 48	17 16
T 11	22 15	26 30	4 21	21 18	1 48	11 30	1 4	2 50	0 2	3 1	1 16	19 11	1 52	6 9	0 48	17 17
F 12	22 8	23 11	3 36	20 49	1 45	11 4	1 0	3 4	0 1	3 3	1 16	19 11	1 52	6 10	0 48	17 17
S 13	21 59	18 43	2 41	20 19	1 42	10 37	0 56	3 17	0s 0	3 6	1 16	19 11	1 52	6 10	0 48	17 18
S 14	21 51	13 28	1 38	19 48	1 39	10 10	0 52	3 31	0 1	3 8	1 16	19 11	1 52	6 11	0 48	17 18
M15	21 42	7 47	0 31	19 16	1 34	9 43	0 47	3 45	0 2	3 11	1 15	19 10	1 52	6 11	0 48	17 19
T 16	21 33	1 57	0s35	18 44	1 30	9 16	0 43	3 59	0 3	3 14	1 15	19 10	1 51	6 11	0 48	17 19
W17	21 23	3s50	1 38	18 10	1 25	8 48	0 38	4 13	0 4	3 16	1 15	19 10	1 51	6 12	0 48	17 19
T 18	21 13	9 24	2 37	17 35	1 19	8 21	0 33	4 27	0 5	3 19	1 15	19 10	1 51	6 12	0 48	17 20
F 19	21 3	14 36	3 28	17 0	1 13	7 53	0 28	4 41	0 6	3 22	1 15	19 10	1 51	6 13	0 48	17 20
S 20	20 52	19 16	4 10	16 25	1 6	7 25	0 23	4 55	0 7	3 25	1 14	19 10	1 51	6 13	0 48	17 21
S 21	20 41	23 12	4 42	15 49	0 59	6 57	0 18	5 9	0 8	3 28	1 14	19 9	1 50	6 14	0 48	17 21
M22	20 29	26 11	5 1	15 13	0 52	6 30	0 13	5 23	0 9	3 31	1 14	19 9	1 50	6 15	0 48	17 22
T 23	20 18	28 1	5 7	14 36	0 44	6 2	0 7	5 37	0 10	3 34	1 14	19 9	1 50	6 15	0 48	17 22
W24	20 6	28 27	4 59	14 0	0 36	5 33	0 2	5 51	0 11	3 37	1 13	19 9	1 50	6 16	0 48	17 23
T 25	19 53	27 22	4 36	13 23	0 28	5 5	0s 4	6 6	0 12	3 41	1 13	19 9	1 49	6 16	0 48	17 23
F 26	19 40	24 47	3 57	12 46	0 19	4 37	0 10	6 20	0 13	3 44	1 13	19 9	1 49	6 17	0 48	17 23
S 27	19 27	20 48	3 5	12 9	0 10	4 9	0 16	6 34	0 14	3 47	1 13	19 9	1 49	6 18	0 48	17 24
S 28	19 14	15 39	2 2	11 33	0 0	3 41	0 22	6 48	0 15	3 50	1 13	19 9	1 49	6 18	0 48	17 24
M29	19 0	9 39	0 50	10 56	0s 9	3 13	0 28	7 3	0 16	3 54	1 12	19 9	1 49	6 19	0 48	17 25
T 30	18 46	3 7	0n26	10 20	0 19	2 45	0 34	7 17	0 17	3 57	1 12	19 9	1 48	6 19	0 48	17 25
W31	18n32	3n37	1n40	9n44	0s29	2n16	0s41	7s31	0s18	4s 0	1n12	19s 9	1n48	6s20	0s48	17s26

Julian Day Number = 2392921.5, Delta T = 7.63 sec

Ecliptic obliquity = 23°27'45", Nutation = 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°29'57", Lahiri = 21°36'57"

ASTRODIENST EPHEMERIS for the year 1839
geocentric

AUGUST 1839

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 35 41	8♌ 0'29	19♍ 22	4♎ 49	23♎ 38	19♏ 3	13♏ 4	3°R45	15°R48	11°R19	18°R55	16♐ 28	17♐ 45	5♑ 48	5♑ 38	T 1
F 2	20 39 37	8°57'55	3♏ 33	5°58	24°34	19°38	13°13	3♐ 44	15♐ 46	11♐ 17	18♐ 55	16°R29	17°42	5°55	5°43	F 2
S 3	20 43 34	9°55'22	17°44	7° 4	25°29	20°14	13°22	3°44	15°44	11°16	18°55	16°29	17°38	6° 2	5°49	S 3
S 4	20 47 30	10°52'50	1♐ 55	8° 8	26°23	20°50	13°30	3°43	15°43	11°14	18°54	16°27	17°35	6° 8	5°54	S 4
M 5	20 51 27	11°50'19	16° 2	9°10	27°17	21°25	13°39	3°43	15°41	11°13	18°54	16°24	17°32	6°15	5°59	M 5
T 6	20 55 24	12°47'50	0♐ 2	10° 8	28°10	22° 1	13°48	3°43	15°39	11°11	18°54	16°20	17°29	6°22	6° 4	T 6
W 7	20 59 20	13°45'22	13°53	11° 4	29° 3	22°38	13°57	3°43	15°37	11° 9	18°53	16°15	17°26	6°28	6° 9	W 7
T 8	21 3 17	14°42'55	27°32	11°57	29°55	23°14	14° 7	3°D43	15°35	11° 8	18°53	16°10	17°22	6°35	6°15	T 8
F 9	21 7 13	15°40'30	10♌ 55	12°47	0♐ 46	23°51	14°16	3°43	15°33	11° 6	18°53	16° 6	17°19	6°42	6°20	F 9
S 10	21 11 10	16°38'05	24° 2	13°33	1°37	24°27	14°25	3°43	15°31	11° 4	18°52	16° 2	17°16	6°48	6°25	S 10
S 11	21 15 6	17°35'42	6♎ 52	14°16	2°27	25° 4	14°35	3°43	15°29	11° 3	18°52	16° 1	17°13	6°55	6°30	S 11
M12	21 19 3	18°33'20	19°24	14°55	3°17	25°41	14°44	3°43	15°27	11° 1	18°51	16°D 1	17°10	7° 2	6°35	M12
T 13	21 22 59	19°30'58	1♐ 41	15°30	4° 6	26°18	14°54	3°44	15°25	11° 0	18°51	16° 1	17° 7	7° 8	6°40	T 13
W14	21 26 56	20°28'38	13°46	16° 2	4°54	26°55	15° 4	3°44	15°23	10°58	18°50	16° 3	17° 3	7°15	6°44	W14
T 15	21 30 52	21°26'19	25°43	16°29	5°41	27°32	15°14	3°45	15°21	10°56	18°50	16° 5	17° 0	7°22	6°49	T 15
F 16	21 34 49	22°24'01	7♎ 34	16°51	6°27	28° 9	15°24	3°45	15°19	10°55	18°49	16° 6	16°57	7°28	6°54	F 16
S 17	21 38 46	23°21'44	19°26	17° 9	7°13	28°47	15°34	3°46	15°16	10°53	18°49	16°R 7	16°54	7°35	6°59	S 17
S 18	21 42 42	24°19'28	1♐ 22	17°22	7°58	29°25	15°44	3°47	15°14	10°52	18°48	16° 7	16°51	7°42	7° 3	S 18
M19	21 46 39	25°17'14	13°28	17°29	8°42	0♐ 2	15°54	3°48	15°12	10°50	18°47	16° 5	16°47	7°49	7° 8	M19
T 20	21 50 35	26°15'00	25°49	17°R31	9°24	0°40	16° 5	3°49	15°10	10°48	18°47	16° 4	16°44	7°55	7°13	T 20
W21	21 54 32	27°12'48	8♏ 26	17°28	10° 6	1°18	16°15	3°50	15° 8	10°47	18°46	16° 1	16°41	8° 2	7°17	W21
T 22	21 58 28	28°10'37	21°24	17°19	10°47	1°56	16°26	3°52	15° 5	10°45	18°45	15°59	16°38	8° 9	7°22	T 22
F 23	22 2 25	29° 8'28	4♐ 43	17° 3	11°27	2°35	16°36	3°53	15° 3	10°44	18°45	15°56	16°35	8°15	7°26	F 23
S 24	22 6 22	0♐ 6'19	18°23	16°42	12° 6	3°13	16°47	3°54	15° 1	10°42	18°44	15°54	16°32	8°22	7°30	S 24
S 25	22 10 18	1° 4'12	2♐ 22	16°15	12°43	3°51	16°58	3°56	14°58	10°41	18°43	15°53	16°28	8°29	7°35	S 25
M26	22 14 15	2° 2'07	16°36	15°42	13°20	4°30	17° 8	3°58	14°56	10°39	18°43	15°D53	16°25	8°35	7°39	M26
T 27	22 18 11	3° 0'03	1♐ 1	15° 4	13°55	5° 9	17°19	3°59	14°54	10°38	18°42	15°53	16°22	8°42	7°43	T 27
W28	22 22 8	3°58'00	15°31	14°21	14°29	5°47	17°30	4° 1	14°51	10°36	18°41	15°54	16°19	8°49	7°47	W28
T 29	22 26 4	4°56'00	0♐ 1	13°33	15° 2	6°26	17°41	4° 3	14°49	10°35	18°40	15°55	16°16	8°56	7°51	T 29
F 30	22 30 1	5°54'02	14°26	12°41	15°33	7° 5	17°52	4° 5	14°47	10°33	18°40	15°56	16°13	9° 2	7°55	F 30
S 31	22 33 57	6♎ 52'05	28♏ 44	11♎ 46	16♏ 3	7♎ 44	18♏ 4	4♐ 7	14♐ 44	10♐ 32	18♐ 39	15♐ 56	16♐ 9	9♎ 9	7♏ 59	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat	decl	lat
T 1	18n17	10n12	2n49	9n 8	0s39	1n48	0s47	7s45	0s19	4s 4	1n12	19s 9	1n48	6s21	0s48	17s26	0s 2	8s34	17s16	5s21	4s51	17s 5	17n27	5s54			
F 2	18 2	16 17	3 48	8 33	0 50	1 20	0 54	8 0	0 20	4 7	1 12	19 9	1 48	6 22	0 48	17 27	0 2	8 35	17 17	5 20	4 52	17 8	17 26	5 54			
S 3	17 47	21 30	4 33	7 59	1 1	0 52	1 1	8 14	0 21	4 11	1 11	19 10	1 47	6 22	0 48	17 27	0 2	8 35	17 17	5 21	4 53	17 10	17 26	5 55			
S 4	17 31	25 29	5 1	7 25	1 12	0 24	1 8	8 28	0 22	4 15	1 11	19 10	1 47	6 23	0 48	17 28	0 2	8 36	17 17	5 21	4 55	17 13	17 25	5 55			
M 5	17 15	27 53	5 11	6 52	1 23	0s 4	1 15	8 43	0 23	4 18	1 11	19 10	1 47	6 24	0 48	17 28	0 2	8 36	17 18	5 22	4 56	17 16	17 24	5 55			
T 6	16 59	28 30	5 3	6 20	1 34	0 31	1 22	8 57	0 23	4 22	1 11	19 10	1 47	6 24	0 48	17 28	0 2	8 36	17 18	5 24	4 57	17 19	17 24	5 56			
W 7	16 43	27 19	4 36	5 48	1 45	0 59	1 29	9 11	0 24	4 26	1 11	19 10	1 46	6 25	0 48	17 29	0 2	8 37	17 18	5 26	4 58	17 22	17 23	5 56			
T 8	16 26	24 30	3 54	5 18	1 56	1 26	1 37	9 26	0 25	4 29	1 10	19 10	1 46	6 26	0 48	17 29	0 2	8 37	17 19	5 28	5 0	17 24	17 23	5 57			
F 9	16 9	20 24	3 0	4 48	2 8	1 54	1 44	9 40	0 26	4 33	1 10	19 11	1 46	6 27	0 48	17 30	0 2	8 38	17 19	5 29	5 1	17 27	17 22	5 57			
S 10	15 52	15 22	1 57	4 20	2 19	2 21	1 52	9 54	0 27	4 37	1 10	19 11	1 46	6 28	0 48	17 30	0 2	8 38	17 19	5 31	5 2	17 30	17 22	5 57			
S 11	15 35	9 47	0 50	3 53	2 30	2 48	1 59	10 8	0 28	4 41	1 10	19 11	1 46	6 28	0 48	17 31	0 2	8 39	17 20	5 31	5 3	17 33	17 21	5 58			
M12	15 17	3 55	0s19	3 28	2 41	3 15	2 7	10 23	0 29	4 45	1 10	19 12	1 45	6 29	0 49	17 31	0 2	8 39	17 20	5 31	5 5	17 35	17 20	5 58			
T 13	14 59	1s58	1 25	3 4	2 52	3 42	2 15	10 37	0 29	4 48	1 10	19 12	1 45	6 30	0 49	17 32	0 2	8 40	17 20	5 31	5 6	17 38	17 20	5 58			
W14	14 41	7 41	2 27	2 42	3 3	4 8	2 23	10 51	0 30	4 52	1 9	19 12	1 45	6 31	0 49	17 32	0 2	8 40	17 20	5 31	5 7	17 41	17 19	5 59			
T 15	14 22	13 4	3 21	2 22	3 14	4 35	2 32	11 5	0 31	4 56	1 9	19 12	1 45	6 32	0 49	17 33	0 2	8 41	17 21	5 30	5 8	17 44	17 18	5 59			
F 16	14 4	17 56	4 7	2 3	3 24	5 1	2 40	11 19	0 32	5 0	1 9	19 13	1 44	6 32	0 49	17 33	0 2	8 41	17 21	5 29	5 9	17 46	17 18	6 0			
S 17	13 45	22 7	4 42	1 47	3 34	5 27	2 48	11 34	0 33	5 4	1 9	19 13	1 44	6 33	0 49	17 33	0 2	8 42	17 21	5 29	5 11	17 49	17 17	6 0			
S 18	13 26	25 25	5 5	1 33	3 44	5 52	2 57	11 48	0 33	5 8	1 9	19 14	1 44	6 34	0 49	17 34	0 2	8 42	17 22	5 29	5 12	17 52	17 16	6 1			
M19	13 6	27 39	5 15	1 22	3 53	6 17	3 6	12 2	0 34	5 13	1 9	19 14	1 44	6 35	0 49	17 34	0 3	8 42	17 22	5 30	5 13	17 55	17 16	6 1			
T 20	12 47	28 34	5 10	1 14	4 2	6 42	3 14	12 16	0 35	5 17	1 8	19 14	1 43	6 36	0 49	17 35	0 3	8 43	17 22	5 30	5 14	17 57	17 15	6 1			
W21	12 27	28 2	4 51	1 8	4 9	7 7	3 23	12 30	0 36	5 21	1 8	19 15	1 43	6 37	0 49	17 35	0 3	8 43	17 23	5 31	5 16	18 0	17 14	6 2			
T 22	12 7	25 59	4 17	1 5	4 16	7 31	3 32	12 44	0 36	5 25	1 8	19 15	1 43	6 38	0 49	17 36	0 3	8 44	17 23	5 32	5 17	18 3	17 14	6 2			
F 23	11 47	22 28	3 28	1 6	4 22	7 55	3 41	12 58	0 37	5 29	1 8	19 16	1 43	6 39	0 49	17 36	0 3	8 44	17 23	5 33	5 18	18 6	17 13	6 3			
S 24	11 27	17 39	2 26	1 9	4 27	8 19	3 50	13 11	0 38	5 33	1 8	19 16	1 43	6 39	0 49	17 37	0 3	8 45	17 23	5 34	5 19	18 8	17 12	6 3			
S 25	11 6	11 48	1 14	1 17	4 30	8 42	3 59	13 25	0 38	5 38	1 8	19 17	1 42	6 40	0 49	17 37	0 3	8 46	17 24	5 34	5 21	18 11	17 12	6 4			
M26	10 46	5 14	0n 4	1 27	4 32	9 5	4 8	13 39	0 39	5 42	1 8	19 17	1 42	6 41	0 49	17 37	0 3	8 46	17 24	5 34	5 22	18 14	17 11	6 4			
T 27	10 25	1n40	1 23	1 42	4 33	9 27	4 18	13 53	0 40	5 46	1 7	19 18	1 42	6 42	0 49	17 38	0 3	8 47	17 24	5 34	5 23	18 16	17 10	6 5			
W28	10 4	8 31	2 37	1 59	4 32	9 49	4 27	14 6	0 41	5 51	1 7	19 19	1 42	6 43	0 49	17 38	0 3	8 47	17 24	5 34	5 24	18 19	17 9	6 5			
T 29	9 43	14 56	3 41	2 20	4 29	10 10	4 36	14 20	0 41	5 55	1 7	19 19	1 41	6 44	0 49	17 39	0 3	8 48	17 25	5 34	5 26	18 22	17 9	6 6			
F 30	9 21	20 29	4 30	2 45	4 24	10 31	4 46	14 33	0 42	5 59	1 7	19 20	1 41	6 45	0 49	17 39	0 3	8 48	17 25	5 33	5 27	18 24	17 8	6 6			
S 31	9n 0	24n49	5n 3	3n12	4s17	10s51	4s55	14s47	0s43	6s 4	1n 7	19s20	1n41	6s46	0s49	17s39	0s 3	8s49	17s25	5s33	5s28	18s27	17n 7	6s 7			

Julian Day Number = 2392952.5, Delta T = 7.63 sec
Ecliptic obliquity = 23°27'45, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°30'01, Lahiri = 21°37'01

ASTRODIENST EPHEMERIS for the year 1839
geocentric

SEPTEMBER 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 37 54	7 ^h 50'11"	12 ^h 11'51"	10°R49	16°♂31	8 ^h 11'24	18°♂15	4°♂10	14°R42	10°R31	18°R38	15°R56	16°♂6	9 ^h 11'16	8°♂3	S 1
M 2	22 41 50	8°48'19"	26°46'	9 ^h 11'52	16°58'	9°3	18°26'	4°12'	14°♂40	10°♂29	18°♂37	15°♂56	16°3	9°22'	8°7	M 2
T 3	22 45 47	9°46'28"	10°♂27	8°54'	17°23'	9°42'	18°37'	4°14'	14°37'	10°28'	18°36'	15°55'	16°0	9°29'	8°11	T 3
W 4	22 49 44	10°44'40"	23°54'	7°58'	17°46'	10°22'	18°49'	4°17'	14°35'	10°26'	18°35'	15°55'	15°57'	9°36'	8°15	W 4
T 5	22 53 40	11°42'54"	7°♂7	7°5	18°8	11°2	19°0	4°19'	14°33'	10°25'	18°35'	15°54'	15°53'	9°42'	8°18	T 5
F 6	22 57 37	12°41'09"	20°7	6°16'	18°28'	11°41'	19°12'	4°22'	14°30'	10°24'	18°34'	15°54'	15°50'	9°49'	8°22	F 6
S 7	23 1 33	13°39'26"	2°11'52	5°32'	18°46'	12°21'	19°24'	4°25'	14°28'	10°23'	18°33'	15°53'	15°47'	9°56'	8°25	S 7
S 8	23 5 30	14°37'45"	15°25'	4°55'	19°3	13°1	19°35'	4°28'	14°25'	10°21'	18°32'	15°D53	15°44'	10°2	8°29	S 8
M 9	23 9 26	15°36'06"	27°45'	4°25'	19°17'	13°41'	19°47'	4°31'	14°23'	10°20'	18°31'	15°R53	15°41'	10°9	8°32	M 9
T 10	23 13 23	16°34'29"	9°♂54	4°3	19°30'	14°21'	19°59'	4°34'	14°20'	10°19'	18°30'	15°53'	15°38'	10°16'	8°36	T 10
W 11	23 17 19	17°32'53"	21°55'	3°50'	19°40'	15°2	20°11'	4°37'	14°18'	10°17'	18°29'	15°53'	15°34'	10°23'	8°39	W 11
T 12	23 21 16	18°31'19"	3°11'49	3°D46	19°48'	15°42'	20°23'	4°40'	14°16'	10°16'	18°28'	15°53'	15°31'	10°29'	8°42	T 12
F 13	23 25 13	19°29'47"	15°39'	3°51'	19°54'	16°23'	20°35'	4°43'	14°13'	10°15'	18°27'	15°53'	15°28'	10°36'	8°45	F 13
S 14	23 29 9	20°28'16"	27°30'	4°5	19°58'	17°3	20°47'	4°46'	14°11'	10°14'	18°26'	15°52'	15°25'	10°43'	8°48	S 14
S 15	23 33 6	21°26'48"	9°♂25	4°29'	19°R59	17°44'	20°59'	4°50'	14°9	10°13'	18°25'	15°52'	15°22'	10°49'	8°51	S 15
M 16	23 37 2	22°25'20"	21°30'	5°1	19°59'	18°25'	21°11'	4°53'	14°6	10°12'	18°24'	15°D52	15°19'	10°56'	8°54	M 16
T 17	23 40 59	23°23'55"	3°♂47	5°43'	19°55'	19°6	21°23'	4°57'	14°4	10°11'	18°23'	15°52'	15°15'	11°3	8°57	T 17
W 18	23 44 55	24°22'31"	16°22'	6°33'	19°50'	19°47'	21°35'	5°1	14°1	10°10'	18°22'	15°52'	15°12'	11°9	9°0	W 18
T 19	23 48 52	25°21'09"	29°19'	7°31'	19°42'	20°28'	21°48'	5°5	13°59'	10°9	18°21'	15°53'	15°9	11°16'	9°2	T 19
F 20	23 52 48	26°19'49"	12°♂40	8°35'	19°31'	21°9	22°0	5°8	13°57'	10°8	18°20'	15°54'	15°6	11°23'	9°5	F 20
S 21	23 56 45	27°18'30"	26°26'	9°47'	19°19'	21°50'	22°12'	5°12'	13°54'	10°7	18°19'	15°55'	15°3	11°30'	9°7	S 21
S 22	0 0 42	28°17'13"	10°♂37	11°5	19°3	22°31'	22°25'	5°16'	13°52'	10°6	18°18'	15°R55	14°59'	11°36'	9°10	S 22
M 23	0 4 38	29°15'58"	25°10'	12°27'	18°46'	23°13'	22°37'	5°20'	13°50'	10°5	18°17'	15°55'	14°56'	11°43'	9°12	M 23
T 24	0 8 35	0°♂14'45	9°♂58	13°55'	18°26'	23°54'	22°50'	5°25'	13°48'	10°4	18°16'	15°54'	14°53'	11°50'	9°15	T 24
W 25	0 12 31	1°13'33"	24°54'	15°27'	18°4	24°36'	23°2	5°29'	13°45'	10°3	18°15'	15°53'	14°50'	11°56'	9°17	W 25
T 26	0 16 28	2°12'25"	9°♂50	17°2	17°40'	25°18'	23°15'	5°33'	13°43'	10°2	18°13'	15°51'	14°47'	12°3	9°19	T 26
F 27	0 20 24	3°11'18"	24°38'	18°40'	17°13'	26°0	23°27'	5°38'	13°41'	10°1	18°12'	15°49'	14°44'	12°10'	9°21	F 27
S 28	0 24 21	4°10'14"	9°♂12	20°20'	16°45'	26°42'	23°40'	5°42'	13°39'	10°0	18°11'	15°47'	14°40'	12°16'	9°23	S 28
S 29	0 28 17	5°9'12"	23°27'	22°3	16°15'	27°24'	23°53'	5°47'	13°36'	10°0	18°10'	15°46'	14°37'	12°23'	9°25	S 29
M 30	0 32 14	6°♂8'12"	7°♂20	23°11'47	15°♂44	28°11'6	24°♂5	5°♂51	13°♂34	9°♂59	18°♂9	15°D45	14°♂34	12°♂30	9°♂27	M 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	8n38	27n35	5n16	3n41	4s 8	11s11	5s 5	15s 0	0s43	6s 8	1n 7	19s21	1n41	6s47	0s49	17s40	0s 3	8s49	17s25	5s33	5s29	18s30	17n 7	6s 7			
M 2	8 17	28 36	5 11	4 13	3 58	11 30	5 14	15 13	0 44	6 12	1 7	19 22	1 40	6 48	0 49	17 40	0 3	8 50	17 26	5 33	5 30	18 32	17 6	6 8			
T 3	7 55	27 50	4 48	4 46	3 45	11 49	5 24	15 26	0 45	6 17	1 6	19 22	1 40	6 49	0 49	17 41	0 3	8 50	17 26	5 33	5 32	18 35	17 5	6 8			
W 4	7 33	25 27	4 10	5 19	3 31	12 7	5 34	15 40	0 45	6 21	1 6	19 23	1 40	6 50	0 49	17 41	0 3	8 51	17 26	5 34	5 33	18 38	17 4	6 9			
T 5	7 11	21 43	3 19	5 54	3 15	12 24	5 43	15 53	0 46	6 26	1 6	19 24	1 40	6 50	0 49	17 41	0 3	8 51	17 26	5 34	5 34	18 40	17 4	6 9			
F 6	6 48	16 59	2 18	6 27	2 58	12 40	5 52	16 6	0 47	6 30	1 6	19 24	1 40	6 51	0 49	17 42	0 3	8 52	17 27	5 34	5 35	18 43	17 3	6 10			
S 7	6 26	11 34	1 12	7 0	2 41	12 56	6 2	16 18	0 47	6 35	1 6	19 25	1 39	6 52	0 49	17 42	0 3	8 52	17 27	5 34	5 37	18 46	17 2	6 10			
S 8	6 3	5 48	0 3	7 31	2 22	13 11	6 11	16 31	0 48	6 39	1 6	19 26	1 39	6 53	0 49	17 42	0 3	8 53	17 27	5 34	5 38	18 48	17 1	6 11			
M 9	5 41	0s 6	1s 5	8 0	2 3	13 25	6 21	16 44	0 48	6 44	1 6	19 26	1 39	6 54	0 49	17 43	0 3	8 53	17 27	5 34	5 39	18 51	17 1	6 11			
T 10	5 18	5 54	2 9	8 26	1 43	13 38	6 30	16 57	0 49	6 48	1 6	19 27	1 39	6 55	0 49	17 43	0 3	8 54	17 27	5 34	5 40	18 54	17 0	6 12			
W 11	4 55	11 26	3 7	8 49	1 24	13 50	6 39	17 9	0 50	6 53	1 5	19 28	1 39	6 56	0 49	17 43	0 3	8 54	17 28	5 34	5 42	18 56	16 59	6 12			
T 12	4 33	16 29	3 56	9 8	1 4	14 2	6 48	17 21	0 50	6 58	1 5	19 29	1 38	6 57	0 49	17 44	0 3	8 55	17 28	5 34	5 43	18 59	16 58	6 13			
F 13	4 10	20 55	4 34	9 24	0 46	14 12	6 56	17 34	0 51	7 2	1 5	19 30	1 38	6 58	0 49	17 44	0 3	8 55	17 28	5 35	5 44	19 2	16 58	6 14			
S 14	3 47	24 30	5 1	9 36	0 27	14 21	7 5	17 46	0 51	7 7	1 5	19 30	1 38	6 59	0 49	17 44	0 3	8 56	17 28	5 35	5 45	19 4	16 57	6 14			
S 15	3 24	27 4	5 15	9 43	0 10	14 29	7 13	17 58	0 52	7 12	1 5	19 31	1 38	7 0	0 49	17 45	0 3	8 56	17 28	5 35	5 46	19 7	16 56	6 15			
M 16	3 1	28 26	5 15	9 46	0n 6	14 36	7 21	18 10	0 53	7 16	1 5	19 32	1 37	7 1	0 49	17 45	0 3	8 57	17 28	5 35	5 48	19 9	16 55	6 15			
T 17	2 37	28 26	5 2	9 45	0 21	14 42	7 28	18 22	0 53	7 21	1 5	19 33	1 37	7 2	0 49	17 45	0 3	8 58	17 29	5 35	5 49	19 12	16 55	6 16			
W 18	2 14	26 59	4 33	9 40	0 36	14 47	7 36	18 34	0 54	7 25	1 5	19 34	1 37	7 2	0 49	17 46	0 3	8 58	17 29	5 35	5 50	19 15	16 54	6 16			
T 19	1 51	24 4	3 50	9 31	0 49	14 50	7 42	18 45	0 54	7 30	1 5	19 35	1 37	7 3	0 49	17 46	0 3	8 59	17 29	5 34	5 51	19 17	16 53	6 17			
F 20	1 28	19 48	2 54	9 17	1 0	14 52	7 49	18 57	0 55	7 35	1 4	19 36	1 37	7 4	0 49	17 46	0 3	8 59	17 29	5 34	5 53	19 20	16 52	6 18			
S 21	1 4	14 22	1 46	9 0	1 11	14 52	7 55	19 8	0 55	7 40	1 4	19 36	1 36	7 5	0 49	17 46	0 3	9 0	17 29	5 34	5 54	19 22	16 51	6 18			
S 22	0 41	8 3	0 29	8 39	1 20	14 51	8 0	19 19	0 56	7 44	1 4	19 37	1 36	7 6	0 49	17 47	0 3	9 0	17 29	5 33	5 55	19 25	16 51	6 19			
M 23	0 18	1 9	0n51	8 15	1 28	14 49	8 5	19 30	0 56	7 49	1 4	19 38	1 36	7 7	0 49	17 47	0 3	9 1	17 29	5 34	5 56	19 27	16 50	6 19			
T 24	0s 6	5n56	2 9	7 48	1 35	14 45	8 9	19 41	0 57	7 54	1 4	19 39	1 36	7 8	0 49	17 47	0 3	9 1	17 30	5 34	5 58	19 30	16 49	6 20			
W 25	0 29	12 44	3 19	7 17	1 41	14 40	8 12	19 52	0 57	7 58	1 4	19 40	1 36	7 9	0 49	17 48	0 3	9 2	17 30	5 34	5 59	19 33	16 48	6 21			
T 26	0 53	18 49	4 15	6 45	1 45	14 33	8 15	20 2	0 58	8 3	1 4	19 41	1 35	7 9	0 49	17 48	0 3	9 2	17 30	5 35	6 0	19 35	16 48	6 21			
F 27	1 16	23 42	4 54	6 9	1 49	14 25	8 17	20 13	0 58	8 8	1 4	19 42	1 35	7 10	0 49	17 48	0 3	9 3	17 30	5 36	6 1	19 38	16 47	6 22			
S 28	1 40	27 1	5 13	5 32	1 51	14 15	8 18	20 23	0 59	8 12	1 4	19 43	1 35	7 11	0 49	17 48	0 3	9 3	17 30	5 37	6 2	19 40	16 46	6 23			
S 29	2 3	28 30	5 13	4 53	1 53	14 4	8 19	20 33	0 59	8 17	1 4	19 44	1 35	7 12	0 49	17 48	0 3	9 4	17 30	5 37	6 4	19 43	16 45	6 23			
M 30	2s26	28n 8	4n53	4n13	1n54	13s51	8s18	20s43	1s 0	8s22	1n 4	19s45	1n35	7s13	0s49	17s49	0s 3	9s 4	17s30	5s37	6s 5	19s45	16n45	6s24			

ASTRODIENST EPHEMERIS for the year 1839

geocentric

OCTOBER 1839

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 36 11	7♂ 7'15	20♂53	25♂32	15°R11	28♂48	24♂18	5♂56	13°R32	9°R58	18°R 8	15♂46	14♂31	12♂37	9♂28	T 1
W 2	0 40 7	8° 6'20	4♂ 5	27°18	14♂37	29°30	24°31	6° 1	13♂30	9♂57	18°Y 7	15°47	14°28	12°43	9°30	W 2
T 3	0 44 4	9° 5'27	17° 0	29° 4	14° 2	0♂12	24°44	6° 5	13°28	9°57	18° 6	15°49	14°25	12°50	9°32	T 3
F 4	0 48 0	10° 4'37	29°40	0♂51	13°26	0°55	24°56	6°10	13°26	9°56	18° 4	15°50	14°21	12°57	9°33	F 4
S 5	0 51 57	11° 3'48	12♂ 6	2°38	12°50	1°37	25° 9	6°15	13°24	9°56	18° 3	15°R51	14°18	13° 3	9°34	S 5
S 6	0 55 53	12° 3'02	24°22	4°25	12°13	2°20	25°22	6°20	13°22	9°55	18° 2	15°51	14°15	13°10	9°36	S 6
M 7	0 59 50	13° 2'18	6♂30	6°12	11°37	3° 3	25°35	6°25	13°20	9°55	18° 1	15°49	14°12	13°17	9°37	M 7
T 8	1 3 46	14° 1'36	18°30	7°58	11° 0	3°45	25°48	6°31	13°18	9°54	18° 0	15°46	14° 9	13°23	9°38	T 8
W 9	1 7 43	15° 0'56	0♂25	9°44	10°24	4°28	26° 1	6°36	13°16	9°54	17°59	15°42	14° 5	13°30	9°39	W 9
T 10	1 11 40	16° 0'19	12°17	11°29	9°48	5°11	26°14	6°41	13°14	9°53	17°58	15°36	14° 2	13°37	9°40	T 10
F 11	1 15 36	16°59'43	24° 7	13°14	9°14	5°54	26°27	6°46	13°12	9°53	17°56	15°31	13°59	13°44	9°41	F 11
S 12	1 19 33	17°59'09	5♂58	14°59	8°40	6°37	26°40	6°52	13°10	9°52	17°55	15°25	13°56	13°50	9°42	S 12
S 13	1 23 29	18°58'37	17°53	16°42	8° 8	7°21	26°53	6°57	13° 8	9°52	17°54	15°20	13°53	13°57	9°43	S 13
M14	1 27 26	19°58'06	29°56	18°26	7°37	8° 4	27° 6	7° 3	13° 7	9°52	17°53	15°17	13°50	14° 4	9°43	M14
T 15	1 31 22	20°57'38	12♂10	20° 8	7° 8	8°47	27°19	7° 8	13° 5	9°51	17°52	15°15	13°46	14°10	9°44	T 15
W16	1 35 19	21°57'11	24°40	21°50	6°41	9°31	27°32	7°14	13° 3	9°51	17°51	15°D14	13°43	14°17	9°44	W16
T 17	1 39 15	22°56'46	7♂29	23°31	6°16	10°14	27°45	7°20	13° 2	9°51	17°50	15°15	13°40	14°24	9°44	T 17
F 18	1 43 12	23°56'23	20°44	25°12	5°52	10°58	27°58	7°25	13° 0	9°51	17°48	15°17	13°37	14°31	9°45	F 18
S 19	1 47 9	24°56'02	4♂25	26°52	5°31	11°42	28°11	7°31	12°58	9°51	17°47	15°18	13°34	14°37	9°45	S 19
S 20	1 51 5	25°55'42	18°34	28°31	5°13	12°25	28°24	7°37	12°57	9°51	17°46	15°R18	13°30	14°44	9°R45	S 20
M21	1 55 2	26°55'24	3°Y10	0♂10	4°56	13° 9	28°37	7°43	12°55	9°50	17°45	15°17	13°27	14°51	9°45	M21
T 22	1 58 58	27°55'07	18° 9	1°48	4°42	13°53	28°50	7°49	12°54	9°50	17°44	15°14	13°24	14°57	9°45	T 22
W23	2 2 55	28°54'53	3♂21	3°25	4°31	14°37	29° 3	7°55	12°52	9°D50	17°43	15° 9	13°21	15° 4	9°45	W23
T 24	2 6 51	29°54'41	18°38	5° 2	4°22	15°21	29°16	8° 1	12°51	9°50	17°42	15° 2	13°18	15°11	9°44	T 24
F 25	2 10 48	0♂54'31	3♂48	6°39	4°15	16° 5	29°30	8° 7	12°49	9°51	17°40	14°55	13°15	15°17	9°44	F 25
S 26	2 14 44	1°54'23	18°41	8°15	4°11	16°49	29°43	8°13	12°48	9°51	17°39	14°49	13°11	15°24	9°44	S 26
S 27	2 18 41	2°54'18	3♂11	9°50	4°D 9	17°33	29°56	8°19	12°47	9°51	17°38	14°43	13° 8	15°31	9°43	S 27
M28	2 22 38	3°54'14	17°13	11°25	4°10	18°18	0♂ 9	8°26	12°46	9°51	17°37	14°40	13° 5	15°38	9°43	M28
T 29	2 26 34	4°54'13	0♂48	12°59	4°13	19° 2	0°22	8°32	12°44	9°51	17°36	14°D38	13° 2	15°44	9°42	T 29
W30	2 30 31	5°54'14	13°57	14°33	4°19	19°47	0°35	8°38	12°43	9°51	17°35	14°39	12°59	15°51	9°41	W30
T 31	2 34 27	6♂54'17	26♂44	16♂ 7	4♂27	20♂31	0♂48	8♂44	12♂42	9♂52	17°Y34	14♂40	12♂56	15♂58	9♂40	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	2s50	26n 5	4n18	3n31	1n54	13s37	8s17	20s53	1s 0	8s27	1n 4	19s46	1n35	7s14	0s49	17s49
W 2	3 13	22 39	3 30	2 48	1 53	13 22	8 15	21 3	1 1	8 31	1 4	19 47	1 34	7 14	0 49	17 49
T 3	3 36	18 10	2 32	2 4	1 52	13 5	8 12	21 12	1 1	8 36	1 3	19 48	1 34	7 15	0 48	17 49
F 4	4 0	12 58	1 28	1 20	1 49	12 47	8 8	21 22	1 1	8 41	1 3	19 49	1 34	7 16	0 48	17 49
S 5	4 23	7 21	0 21	0 35	1 47	12 28	8 3	21 31	1 2	8 46	1 3	19 50	1 34	7 17	0 48	17 50
S 6	4 46	1 31	0s47	0s10	1 44	12 9	7 57	21 40	1 2	8 50	1 3	19 51	1 34	7 17	0 48	17 50
M 7	5 9	4s17	1 51	0 56	1 40	11 48	7 50	21 49	1 3	8 55	1 3	19 52	1 33	7 18	0 48	17 50
T 8	5 32	9 52	2 49	1 42	1 36	11 27	7 43	21 57	1 3	9 0	1 3	19 53	1 33	7 19	0 48	17 50
W 9	5 55	15 4	3 40	2 27	1 32	11 5	7 34	22 6	1 3	9 5	1 3	19 54	1 33	7 20	0 48	17 50
T 10	6 18	19 40	4 21	3 13	1 27	10 42	7 25	22 14	1 4	9 9	1 3	19 55	1 33	7 20	0 48	17 50
F 11	6 41	23 30	4 50	3 59	1 22	10 19	7 15	22 22	1 4	9 14	1 3	19 56	1 33	7 21	0 48	17 50
S 12	7 4	26 22	5 7	4 44	1 16	9 56	7 5	22 30	1 5	9 19	1 3	19 57	1 33	7 22	0 48	17 51
S 13	7 26	28 4	5 11	5 29	1 11	9 33	6 53	22 38	1 5	9 24	1 3	19 58	1 32	7 22	0 48	17 51
M14	7 49	28 29	5 1	6 14	1 5	9 10	6 42	22 45	1 5	9 28	1 3	19 59	1 32	7 23	0 48	17 51
T 15	8 11	27 31	4 38	6 58	0 59	8 47	6 29	22 52	1 6	9 33	1 3	20 0	1 32	7 24	0 48	17 51
W16	8 34	25 10	4 1	7 42	0 53	8 25	6 16	22 59	1 6	9 38	1 3	20 2	1 32	7 24	0 48	17 51
T 17	8 56	21 29	3 11	8 25	0 47	8 2	6 3	23 6	1 6	9 42	1 3	20 3	1 32	7 25	0 48	17 51
F 18	9 18	16 39	2 10	9 8	0 40	7 41	5 50	23 13	1 7	9 47	1 3	20 4	1 32	7 26	0 48	17 51
S 19	9 40	10 49	0 59	9 50	0 34	7 20	5 36	23 19	1 7	9 52	1 3	20 5	1 32	7 26	0 48	17 51
S 20	10 2	4 15	0n18	10 32	0 27	6 59	5 22	23 25	1 7	9 57	1 3	20 6	1 31	7 27	0 48	17 51
M21	10 23	2n43	1 35	11 13	0 20	6 40	5 7	23 31	1 8	10 1	1 3	20 7	1 31	7 27	0 48	17 51
T 22	10 45	9 43	2 48	11 54	0 14	6 21	4 53	23 37	1 8	10 6	1 3	20 8	1 31	7 28	0 48	17 51
W23	11 6	16 15	3 50	12 34	0 7	6 3	4 39	23 42	1 8	10 11	1 2	20 9	1 31	7 28	0 48	17 51
T 24	11 27	21 48	4 36	13 13	0 0	5 46	4 24	23 48	1 9	10 15	1 2	20 10	1 31	7 29	0 48	17 51
F 25	11 48	25 52	5 2	13 51	0s 7	5 31	4 10	23 53	1 9	10 20	1 2	20 11	1 31	7 29	0 48	17 51
S 26	12 9	28 5	5 7	14 29	0 13	5 16	3 56	23 57	1 9	10 24	1 2	20 13	1 31	7 30	0 48	17 51
S 27	12 29	28 18	4 52	15 6	0 20	5 2	3 41	24 2	1 9	10 29	1 2	20 14	1 30	7 30	0 48	17 51
M28	12 50	26 39	4 20	15 42	0 27	4 50	3 27	24 6	1 10	10 34	1 2	20 15	1 30	7 31	0 48	17 51
T 29	13 10	23 28	3 34	16 17	0 33	4 38	3 13	24 10	1 10	10 38	1 2	20 16	1 30	7 31	0 48	17 51
W30	13 30	19 10	2 38	16 52	0 40	4 28	3 0	24 14	1 10	10 43	1 2	20 17	1 30	7 32	0 48	17 51
T 31	13s50	14n 6	1n35	17s25	0s47	4s18	2s46	24s18	1s10	10s47	1n 2	20s18	1n30	7s32	0s48	17s51

Julian Day Number = 2393013.5, Delta T = 7.62 sec
 Ecliptic obliquity = 23°27'46, Nutation = 0°00'04, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°30'09, Lahiri = 21°37'10

ASTRODIENST EPHEMERIS for the year 1839
geocentric

NOVEMBER 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 38 24	7♐54'22	9♏12	17♐40	4♏37	21♏16	1♐1	8♏51	12°R41	9≈52	17°R33	14°R41	12♏52	16♐4	9°R39	F 1
S 2	2 42 20	8°54'29	21°27	19°13	4°49	22°0	1°14	8°57	12♏40	9°52	17°Y32	14°X41	12°49	16°11	9°S38	S 2
S 3	2 46 17	9°54'38	3♏31	20°45	5°4	22°45	1°27	9°4	12°39	9°53	17°31	14°38	12°46	16°18	9°37	S 3
M 4	2 50 13	10°54'49	15°28	22°17	5°20	23°30	1°40	9°10	12°38	9°53	17°30	14°34	12°43	16°25	9°36	M 4
T 5	2 54 10	11°55'02	27°22	23°48	5°39	24°15	1°53	9°17	12°37	9°53	17°29	14°27	12°40	16°31	9°34	T 5
W 6	2 58 6	12°55'17	9♐13	25°19	5°59	25°0	2°6	9°23	12°36	9°54	17°27	14°17	12°36	16°38	9°33	W 6
T 7	3 2 3	13°55'34	21°4	26°50	6°22	25°45	2°19	9°30	12°36	9°54	17°26	14°6	12°33	16°45	9°32	T 7
F 8	3 6 0	14°55'53	2♏56	28°20	6°46	26°30	2°32	9°37	12°35	9°55	17°25	13°53	12°30	16°51	9°30	F 8
S 9	3 9 56	15°56'13	14°51	29°50	7°12	27°15	2°45	9°43	12°34	9°56	17°24	13°41	12°27	16°58	9°28	S 9
S 10	3 13 53	16°56'35	26°50	1♏20	7°39	28°0	2°58	9°50	12°33	9°56	17°23	13°30	12°24	17°5	9°27	S 10
M 11	3 17 49	17°56'59	8♏55	2°49	8°9	28°45	3°11	9°57	12°33	9°57	17°23	13°21	12°21	17°11	9°25	M 11
T 12	3 21 46	18°57'24	21°10	4°17	8°39	29°31	3°24	10°4	12°32	9°57	17°22	13°15	12°17	17°18	9°23	T 12
W 13	3 25 42	19°57'50	3≈38	5°45	9°12	0♏16	3°37	10°10	12°32	9°58	17°21	13°12	12°14	17°25	9°21	W 13
T 14	3 29 39	20°58'17	16°23	7°13	9°46	1°2	3°50	10°17	12°31	9°59	17°20	13°D10	12°11	17°32	9°19	T 14
F 15	3 33 36	21°58'46	29°28	8°40	10°21	1°47	4°2	10°24	12°31	10°0	17°19	13°10	12°8	17°38	9°17	F 15
S 16	3 37 32	22°59'16	12♏58	10°7	10°58	2°33	4°15	10°31	12°31	10°0	17°18	13°R11	12°5	17°45	9°15	S 16
S 17	3 41 29	23°59'48	26°56	11°33	11°35	3°18	4°28	10°38	12°30	10°1	17°17	13°10	12°2	17°52	9°12	S 17
M 18	3 45 25	25°0'20	11°Y21	12°58	12°15	4°4	4°41	10°45	12°30	10°2	17°16	13°7	11°58	17°58	9°10	M 18
T 19	3 49 22	26°0'54	26°12	14°23	12°55	4°50	4°53	10°52	12°30	10°3	17°15	13°2	11°55	18°5	9°8	T 19
W 20	3 53 18	27°1'29	11♏22	15°46	13°37	5°35	5°6	10°59	12°30	10°4	17°14	12°54	11°52	18°12	9°5	W 20
T 21	3 57 15	28°2'06	26°42	17°9	14°19	6°21	5°18	11°6	12°30	10°5	17°13	12°43	11°49	18°19	9°2	T 21
F 22	4 1 11	29°2'44	12♐1	18°31	15°3	7°7	5°31	11°12	12°D30	10°6	17°13	12°32	11°46	18°25	9°0	F 22
S 23	4 5 8	0♏3'24	27°7	19°51	15°48	7°53	5°44	11°19	12°30	10°7	17°12	12°21	11°42	18°32	8°57	S 23
S 24	4 9 5	1°4'05	11♏50	21°10	16°34	8°39	5°56	11°27	12°30	10°8	17°11	12°12	11°39	18°39	8°54	S 24
M 25	4 13 1	2°4'48	26°5	22°28	17°21	9°25	6°9	11°34	12°30	10°9	17°10	12°5	11°36	18°45	8°51	M 25
T 26	4 16 58	3°5'32	9♏49	23°44	18°9	10°11	6°21	11°41	12°30	10°10	17°10	12°1	11°33	18°52	8°49	T 26
W 27	4 20 54	4°6'18	23°4	24°58	18°57	10°57	6°33	11°48	12°30	10°11	17°9	12°0	11°30	18°59	8°46	W 27
T 28	4 24 51	5°7'05	5♏52	26°9	19°47	11°43	6°46	11°55	12°30	10°13	17°8	11°59	11°27	19°6	8°43	T 28
F 29	4 28 47	6°7'54	18°19	27°18	20°37	12°29	6°58	12°2	12°31	10°14	17°7	11°59	11°23	19°12	8°39	F 29
S 30	4 32 44	7♏8'44	0♏30	28♏23	21♏28	13♏16	7♐10	12♏9	12°X31	10≈15	17°Y7	11°X58	11°X20	19♐19	8°S36	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	14s10	8n35	0n29	17s58	0s53	4s10	2s33	24s21	1s11	10s52	1n 2	20s19	1n30	7s32	0s48	17s51	0s 3	9s16	17s29	6s 2	6s44	21s 4	16n23	6s44	
S 2	14 29	2 50	0s36	18 30	0 59	4 3	2 20	24 24	1 11	10 57	1 2	20 20	1 30	7 33	0 48	17 51	0 3	9 17	17 29	6 2	6 45	21 6	16 23	6 45	
S 3	14 48	2s55	1 39	19 1	1 6	3 57	2 7	24 27	1 11	11 1	1 2	20 21	1 30	7 33	0 48	17 51	0 3	9 17	17 29	6 3	6 46	21 8	16 22	6 46	
M 4	15 7	8 31	2 37	19 31	1 12	3 52	1 54	24 29	1 11	11 6	1 2	20 22	1 29	7 33	0 48	17 51	0 3	9 17	17 29	6 5	6 48	21 11	16 22	6 46	
T 5	15 26	13 46	3 28	20 0	1 18	3 48	1 42	24 32	1 11	11 10	1 2	20 24	1 29	7 34	0 48	17 50	0 3	9 17	17 29	6 8	6 49	21 13	16 21	6 47	
W 6	15 44	18 30	4 9	20 28	1 24	3 45	1 30	24 34	1 12	11 15	1 2	20 25	1 29	7 34	0 48	17 50	0 3	9 18	17 28	6 11	6 50	21 15	16 21	6 47	
T 7	16 2	22 31	4 39	20 55	1 30	3 44	1 18	24 35	1 12	11 19	1 2	20 26	1 29	7 34	0 47	17 50	0 3	9 18	17 28	6 16	6 51	21 18	16 20	6 48	
F 8	16 20	25 37	4 57	21 21	1 35	3 43	1 7	24 37	1 12	11 23	1 2	20 27	1 29	7 35	0 47	17 50	0 3	9 18	17 28	6 21	6 53	21 20	16 20	6 49	
S 9	16 37	27 37	5 3	21 46	1 41	3 43	0 56	24 38	1 12	11 28	1 2	20 28	1 29	7 35	0 47	17 50	0 3	9 18	17 28	6 25	6 54	21 22	16 19	6 49	
S 10	16 55	28 20	4 55	22 10	1 46	3 44	0 45	24 39	1 12	11 32	1 2	20 29	1 29	7 35	0 47	17 50	0 3	9 18	17 28	6 29	6 55	21 25	16 19	6 50	
M11	17 12	27 43	4 34	22 33	1 51	3 45	0 34	24 40	1 12	11 37	1 2	20 30	1 29	7 35	0 47	17 50	0 3	9 19	17 27	6 33	6 56	21 27	16 18	6 50	
T 12	17 28	25 44	4 0	22 55	1 56	3 48	0 24	24 40	1 13	11 41	1 2	20 31	1 29	7 35	0 47	17 49	0 3	9 19	17 27	6 35	6 57	21 29	16 18	6 51	
W13	17 45	22 30	3 14	23 15	2 0	3 52	0 14	24 40	1 13	11 45	1 2	20 32	1 28	7 36	0 47	17 49	0 3	9 19	17 27	6 37	6 59	21 31	16 17	6 51	
T 14	18 1	18 8	2 17	23 35	2 4	3 56	0 4	24 40	1 13	11 50	1 2	20 33	1 28	7 36	0 47	17 49	0 3	9 19	17 27	6 37	7 0	21 34	16 17	6 52	
F 15	18 17	12 48	1 12	23 53	2 8	4 1	0n 5	24 40	1 13	11 54	1 2	20 34	1 28	7 36	0 47	17 49	0 3	9 19	17 27	6 37	7 1	21 36	16 17	6 53	
S 16	18 32	6 43	0 1	24 10	2 12	4 7	0 14	24 39	1 13	11 58	1 2	20 36	1 28	7 36	0 47	17 49	0 3	9 19	17 26	6 37	7 2	21 38	16 16	6 53	
S 17	18 47	0 7	1n12	24 26	2 16	4 14	0 23	24 38	1 13	12 3	1 2	20 37	1 28	7 36	0 47	17 48	0 3	9 19	17 26	6 37	7 3	21 41	16 16	6 54	
M18	19 2	6n42	2 23	24 40	2 19	4 22	0 32	24 37	1 13	12 7	1 2	20 38	1 28	7 36	0 47	17 48	0 3	9 20	17 26	6 38	7 5	21 43	16 15	6 54	
T 19	19 17	13 20	3 27	24 53	2 22	4 30	0 40	24 36	1 13	12 11	1 2	20 39	1 28	7 36	0 47	17 48	0 3	9 20	17 26	6 40	7 6	21 45	16 15	6 55	
W20	19 31	19 19	4 17	25 5	2 24	4 39	0 48	24 34	1 13	12 15	1 2	20 40	1 28	7 36	0 47	17 48	0 3	9 20	17 25	6 44	7 7	21 47	16 15	6 55	
T 21	19 44	24 7	4 49	25 16	2 26	4 48	0 55	24 32	1 13	12 19	1 2	20 41	1 28	7 36	0 47	17 47	0 3	9 20	17 25	6 47	7 8	21 50	16 14	6 56	
F 22	19 58	27 13	5 1	25 25	2 27	4 58	1 3	24 30	1 14	12 23	1 3	20 42	1 28	7 36	0 47	17 47	0 3	9 20	17 25	6 52	7 10	21 52	16 14	6 56	
S 23	20 11	28 17	4 51	25 32	2 28	5 9	1 10	24 27	1 14	12 28	1 3	20 43	1 28	7 36	0 47	17 47	0 3	9 20	17 25	6 56	7 11	21 54	16 14	6 57	
S 24	20 24	27 17	4 22	25 39	2 29	5 20	1 17	24 24	1 14	12 32	1 3	20 44	1 27	7 36	0 47	17 47	0 3	9 20	17 24	6 59	7 12	21 56	16 13	6 57	
M25	20 36	24 30	3 37	25 44	2 29	5 32	1 24	24 21	1 14	12 36	1 3	20 45	1 27	7 36	0 47	17 46	0 3	9 20	17 24	7 2	7 13	21 59	16 13	6 58	
T 26	20 48	20 24	2 41	25 47	2 28	5 44	1 30	24 18	1 14	12 40	1 3	20 46	1 27	7 36	0 47	17 46	0 3	9 20	17 24	7 4	7 14	22 1	16 13	6 58	
W27	20 59	15 23	1 38	25 49	2 27	5 57	1 36	24 14	1 14	12 44	1 3	20 47	1 27	7 36	0 47	17 46	0 3	9 20	17 24	7 4	7 16	22 3	16 13	6 59	
T 28	21 10	9 52	0 32	25 49	2 25	6 10	1 42	24 10	1 14	12 48	1 3	20 48	1 27	7 36	0 47	17 45	0 4	9 20	17 23	7 4	7 17	22 5	16 12	6 59	
F 29	21 21	4 6	0s33	25 49	2 22	6 24	1 48	24 6	1 14	12 52	1 3	20 49	1 27	7 35	0 47	17 45	0 4	9 20	17 23	7 4	7 18	22 7	16 12	7 0	
S 30	21s31	1s40	1s36	25s46	2s19	6s38	1n53	24s 1	1s14	12s56	1n 3	20s50	1n27	7s35	0s47	17s45	0s 4	9s20	17s23	7s 5	7s19	22s10	16n12	7s 0	

ASTRODIENST EPHEMERIS for the year 1839

geocentric

DECEMBER 1839

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 36 40	8♌ 9°36	12♋29	29♊25	22♏20	14♌ 2	7♎22	12♏16	12♐31	10♌16	17♍ 6	11♍55	11♐17	19♎26	8♍33	S 1	
M 2	4 40 37	9°10'29	24°22	0♈23	23°13	14°48	7°34	12°23	12°32	10°18	17♍ 5	11♐49	11°14	19°32	8♌30	M 2	
T 3	4 44 34	10°11'23	6♎12	1°16	24° 6	15°34	7°46	12°30	12°32	10°19	17° 5	11°40	11°11	19°39	8°26	T 3	
W 4	4 48 30	11°12'19	18° 2	2° 4	25° 1	16°21	7°58	12°37	12°33	10°20	17° 4	11°28	11° 8	19°46	8°23	W 4	
T 5	4 52 27	12°13'16	29°55	2°46	25°55	17° 7	8°10	12°44	12°34	10°22	17° 3	11°14	11° 4	19°53	8°20	T 5	
F 6	4 56 23	13°14'13	11♌51	3°22	26°51	17°54	8°22	12°51	12°34	10°23	17° 3	10°59	11° 1	19°59	8°16	F 6	
S 7	5 0 20	14°15'12	23°53	3°49	27°47	18°40	8°34	12°58	12°35	10°25	17° 2	10°44	10°58	20° 6	8°13	S 7	
S 8	5 4 16	15°16'12	6♌ 1	4° 8	28°43	19°27	8°46	13° 6	12°36	10°26	17° 2	10°30	10°55	20°13	8° 9	S 8	
M 9	5 8 13	16°17'12	18°17	4♍18	29°40	20°14	8°58	13°13	12°37	10°28	17° 1	10°19	10°52	20°19	8° 5	M 9	
T 10	5 12 9	17°18'14	0♏41	4°18	0♎38	21° 0	9° 9	13°20	12°37	10°29	17° 1	10°11	10°48	20°26	8° 2	T 10	
W 11	5 16 6	18°19'16	13°16	4° 7	1°36	21°47	9°21	13°27	12°38	10°31	17° 0	10° 5	10°45	20°33	7°58	W 11	
T 12	5 20 3	19°20'18	26° 3	3°44	2°35	22°34	9°32	13°34	12°39	10°32	17° 0	10° 3	10°42	20°40	7°54	T 12	
F 13	5 23 59	20°21'21	9♐ 8	3°10	3°34	23°21	9°44	13°41	12°40	10°34	16°59	10°D 2	10°39	20°46	7°50	F 13	
S 14	5 27 56	21°22'24	22°31	2°24	4°34	24° 7	9°55	13°48	12°41	10°35	16°59	10°R 3	10°36	20°53	7°47	S 14	
S 15	5 31 52	22°23'28	6♍17	1°28	5°34	24°54	10° 7	13°55	12°43	10°37	16°59	10° 2	10°33	21° 0	7°43	S 15	
M 16	5 35 49	23°24'32	20°26	0°22	6°35	25°41	10°18	14° 2	12°44	10°39	16°58	9°59	10°29	21° 6	7°39	M 16	
T 17	5 39 45	24°25'36	4♌58	29♌ 8	7°36	26°28	10°29	14° 9	12°45	10°40	16°58	9°54	10°26	21°13	7°35	T 17	
W 18	5 43 42	25°26'41	19°50	27°49	8°37	27°15	10°40	14°16	12°46	10°42	16°58	9°47	10°23	21°20	7°31	W 18	
T 19	5 47 38	26°27'46	4♎54	26°26	9°39	28° 2	10°51	14°23	12°48	10°44	16°57	9°37	10°20	21°27	7°27	T 19	
F 20	5 51 35	27°28'51	20° 1	25° 4	10°41	28°49	11° 2	14°30	12°49	10°46	16°57	9°26	10°17	21°33	7°23	F 20	
S 21	5 55 32	28°29'57	5♏ 2	23°44	11°43	29°36	11°13	14°37	12°50	10°47	16°57	9°15	10°14	21°40	7°19	S 21	
S 22	5 59 28	29°31'04	19°46	22°29	12°46	0♏23	11°23	14°44	12°52	10°49	16°57	9° 5	10°10	21°47	7°15	S 22	
M 23	6 3 25	0♈32'11	4♎ 5	21°21	13°50	1°10	11°34	14°51	12°53	10°51	16°56	8°58	10° 7	21°53	7°11	M 23	
T 24	6 7 21	1°33'18	17°56	20°22	14°53	1°57	11°45	14°58	12°55	10°53	16°56	8°54	10° 4	22° 0	7° 7	T 24	
W 25	6 11 18	2°34'26	1♐18	19°33	15°57	2°44	11°55	15° 5	12°56	10°55	16°56	8°52	10° 1	22° 7	7° 3	W 25	
T 26	6 15 14	3°35'34	14°14	18°54	17° 1	3°31	12° 6	15°12	12°58	10°57	16°56	8°D52	9°58	22°14	6°59	T 26	
F 27	6 19 11	4°36'43	26°45	18°26	18° 6	4°18	12°16	15°19	13° 0	10°59	16°56	8°52	9°54	22°20	6°55	F 27	
S 28	6 23 8	5°37'53	8♎59	18° 9	19°11	5° 5	12°26	15°25	13° 2	11° 0	16°56	8°R52	9°51	22°27	6°50	S 28	
S 29	6 27 4	6°39'03	21° 0	18°D 1	20°16	5°52	12°36	15°32	13° 3	11° 2	16°55	8°51	9°48	22°34	6°46	S 29	
M 30	6 31 1	7°40'13	2♎53	18° 3	21°21	6°40	12°46	15°39	13° 5	11° 4	16°55	8°48	9°45	22°40	6°42	M 30	
T 31	6 34 57	8♌41'23	14♎42	18♌14	22♎27	7♏27	12♎56	15♌46	13♐ 7	11♏ 6	16♍55	8♐42	9♐42	22♎47	6♌38	T 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	21s41	7s18	2s34	25s42	2s15	6s53	1n58	23s57	1s14	13s 0	1n 3	20s51	1n27	7s35	0s47	17s44	0s 4
M 2	21 51	12 37	3 24	25 37	2 9	7 7	2 3	23 52	1 14	13 4	1 3	20 52	1 27	7 35	0 46	17 44	0 4
T 3	22 0	17 27	4 5	25 30	2 3	7 23	2 8	23 46	1 14	13 7	1 3	20 53	1 27	7 35	0 46	17 44	0 4
W 4	22 9	21 37	4 35	25 22	1 56	7 38	2 12	23 41	1 14	13 11	1 3	20 54	1 27	7 34	0 46	17 43	0 4
T 5	22 17	24 55	4 53	25 13	1 47	7 54	2 17	23 35	1 14	13 15	1 3	20 55	1 27	7 34	0 46	17 43	0 4
F 6	22 25	27 10	4 59	25 2	1 37	8 10	2 21	23 29	1 14	13 19	1 3	20 56	1 27	7 34	0 46	17 43	0 4
S 7	22 32	28 10	4 51	24 51	1 26	8 27	2 24	23 22	1 14	13 23	1 3	20 57	1 27	7 33	0 46	17 42	0 4
S 8	22 39	27 50	4 30	24 38	1 14	8 43	2 28	23 16	1 14	13 26	1 3	20 58	1 27	7 33	0 46	17 42	0 4
M 9	22 45	26 7	3 57	24 24	1 0	9 0	2 31	23 9	1 13	13 30	1 3	20 59	1 26	7 33	0 46	17 42	0 4
T 10	22 51	23 8	3 12	24 8	0 45	9 17	2 35	23 2	1 13	13 34	1 3	20 59	1 26	7 32	0 46	17 41	0 4
W 11	22 57	19 2	2 16	23 52	0 28	9 35	2 38	22 54	1 13	13 37	1 3	21 0	1 26	7 32	0 46	17 41	0 4
T 12	23 2	14 0	1 13	23 35	0 11	9 52	2 40	22 47	1 13	13 41	1 4	21 1	1 26	7 32	0 46	17 40	0 4
F 13	23 7	8 14	0 5	23 18	0n 8	10 10	2 43	22 39	1 13	13 44	1 4	21 2	1 26	7 31	0 46	17 40	0 4
S 14	23 11	1 58	1n 6	22 59	0 27	10 27	2 45	22 30	1 13	13 48	1 4	21 3	1 26	7 31	0 46	17 39	0 4
S 15	23 15	4n33	2 14	22 40	0 48	10 45	2 48	22 22	1 13	13 51	1 4	21 4	1 26	7 30	0 46	17 39	0 4
M 16	23 18	11 1	3 16	22 20	1 8	11 3	2 50	22 13	1 13	13 55	1 4	21 5	1 26	7 30	0 46	17 39	0 4
T 17	23 21	17 4	4 7	22 0	1 27	11 21	2 52	22 4	1 13	13 58	1 4	21 6	1 26	7 29	0 46	17 38	0 4
W 18	23 23	22 15	4 43	21 40	1 46	11 39	2 53	21 55	1 13	14 1	1 4	21 6	1 26	7 29	0 46	17 38	0 4
T 19	23 25	26 3	5 0	21 21	2 4	11 57	2 55	21 45	1 12	14 5	1 4	21 7	1 26	7 28	0 46	17 37	0 4
F 20	23 26	28 0	4 56	21 3	2 19	12 15	2 56	21 36	1 12	14 8	1 4	21 8	1 26	7 28	0 46	17 37	0 4
S 21	23 27	27 53	4 32	20 46	2 33	12 33	2 57	21 26	1 12	14 11	1 4	21 9	1 26	7 27	0 46	17 36	0 4
S 22	23 28	25 47	3 49	20 31	2 44	12 51	2 58	21 16	1 12	14 15	1 4	21 10	1 26	7 26	0 46	17 36	0 4
M 23	23 28	22 4	2 53	20 18	2 53	13 9	2 59	21 5	1 12	14 18	1 4	21 11	1 26	7 26	0 46	17 35	0 4
T 24	23 27	17 12	1 49	20 8	3 0	13 27	3 0	20 54	1 12	14 21	1 4	21 11	1 26	7 25	0 46	17 35	0 4
W 25	23 26	11 39	0 40	20 0	3 4	13 45	3 1	20 44	1 11	14 24	1 5	21 12	1 26	7 25	0 46	17 34	0 4
T 26	23 25	5 46	0s29	19 55	3 6	14 3	3 1	20 32	1 11	14 27	1 5	21 13	1 26	7 24	0 46	17 34	0 4
F 27	23 23	0s 9	1 34	19 53	3 6	14 20	3 1	20 21	1 11	14 30	1 5	21 14	1 26	7 23	0 46	17 33	0 4
S 28	23 21	5 55	2 33	19 53	3 4	14 38	3 1	20 10	1 11	14 33	1 5	21 14	1 26	7 23	0 45	17 33	0 4
S 29	23 18	11 22	3 25	19 55	3 1	14 55	3 1	19 58	1 11	14 36	1 5	21 15	1 26	7 22	0 45	17 32	0 4
M 30	23 14	16 21	4 7	20 0	2 56	15 12	3 1	19 46	1 10	14 39	1 5	21 16	1 26	7 21	0 45	17 32	0 4
T 31	23s11	20s41	4s38	20s 6	2n51	15s29	3n 1	19s33	1s10	14s42	1n 5	21s17	1n26	7s20	0s45	17s31	0s 4

Julian Day Number = 2393074.5, Delta T = 7.61 sec
 Ecliptic obliquity = 23°27'45", Nutation = 0°00'04", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°30'18", Lahiri = 21°37'18"