Astrodienst Ephemeris Tables

for the year 1851

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 AG, Dammstr. 23, CH-8702 Zollikon / Zürich, www.astro.com / order@astro.com

ASTRODIENST EPHEMERIS for the year 1851
geocentric

JANUARY 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 40 12	10♑ 2'19	23♐44	28♑ 1	17°R20	1♑ 3	20♎56	14♈21	26°R22	4♓51	27°R54	5°R40	6♌52	20♒32	17♐ 5	W 1
T 2	6 44 9	11° 3'30	6♑ 4	29°23	17♐ 9	1°48	21° 3	14°22	26♈22	4°52	27♈53	5♌37	6°49	20°38	17°11	T 2
F 3	6 48 5	12° 4'41	18°12	0♒42	17° 0	2°33	21° 9	14°24	26°22	4°54	27°53	5°34	6°46	20°45	17°18	F 3
S 4	6 52 2	13° 5'52	0♒12	1°58	16°54	3°18	21°15	14°26	26°22	4°55	27°53	5°D33	6°43	20°52	17°25	S 4
S 5	6 55 58	14° 7'03	12° 5	3°10	16°50	4° 4	21°21	14°28	26°D22	4°57	27°53	5°33	6°39	20°58	17°31	S 5
M 6	6 59 55	15° 8'13	23°53	4°17	16°D49	4°49	21°27	14°30	26°22	4°58	27°53	5°34	6°36	21° 5	17°38	M 6
T 7	7 3 51	16° 9'23	5♓39	5°18	16°50	5°34	21°32	14°32	26°22	5° 0	27°53	5°36	6°33	21°12	17°45	T 7
W 8	7 7 48	17°10'33	17°28	6°13	16°54	6°20	21°38	14°35	26°22	5° 2	27°52	5°37	6°30	21°18	17°51	W 8
T 9	7 11 44	18°11'42	29°24	7° 1	17° 0	7° 5	21°43	14°37	26°22	5° 3	27°52	5°39	6°27	21°25	17°58	T 9
F 10	7 15 41	19°12'51	11♈30	7°41	17° 8	7°50	21°48	14°40	26°22	5° 5	27°52	5°40	6°24	21°31	18° 4	F 10
S 11	7 19 38	20°13'59	23°53	8°12	17°18	8°36	21°53	14°42	26°23	5° 7	27°52	5°R40	6°20	21°38	18°10	S 11
S 12	7 23 34	21°15'06	6♉36	8°33	17°31	9°22	21°58	14°45	26°23	5° 9	27°D52	5°39	6°17	21°45	18°17	S 12
M13	7 27 31	22°16'13	19°44	8°R44	17°45	10° 7	22° 2	14°48	26°23	5°10	27°52	5°38	6°14	21°51	18°23	M13
T 14	7 31 27	23°17'19	3♊18	8°43	18° 2	10°53	22° 7	14°51	26°24	5°12	27°52	5°36	6°11	21°58	18°29	T 14
W15	7 35 24	24°18'24	17°20	8°31	18°21	11°38	22°11	14°54	26°24	5°14	27°52	5°35	6° 8	22° 5	18°36	W15
T 16	7 39 20	25°19'29	1♋47	8° 7	18°42	12°24	22°15	14°57	26°25	5°16	27°52	5°33	6° 4	22°11	18°42	T 16
F 17	7 43 17	26°20'33	16°36	7°32	19° 4	13°10	22°19	15° 0	26°25	5°18	27°53	5°33	6° 1	22°18	18°48	F 17
S 18	7 47 13	27°21'36	1♌38	6°45	19°29	13°56	22°23	15° 3	26°26	5°20	27°53	5°D32	5°58	22°25	18°54	S 18
S 19	7 51 10	28°22'39	16°45	5°49	19°55	14°41	22°27	15° 7	26°27	5°21	27°53	5°32	5°55	22°31	19° 0	S 19
M20	7 55 7	29°23'41	1♍49	4°45	20°23	15°27	22°30	15°10	26°28	5°23	27°53	5°33	5°52	22°38	19° 6	M20
T 21	7 59 3	0♒24'43	16°40	3°34	20°53	16°13	22°33	15°14	26°28	5°25	27°53	5°33	5°49	22°45	19°12	T 21
W22	8 3 0	1°25'44	1♎12	2°20	21°24	16°59	22°36	15°17	26°29	5°27	27°53	5°34	5°45	22°51	19°18	W22
T 23	8 6 56	2°26'44	15°23	1° 3	21°56	17°45	22°39	15°21	26°30	5°29	27°54	5°34	5°42	22°58	19°24	T 23
F 24	8 10 53	3°27'44	29° 9	29♑47	22°31	18°31	22°42	15°25	26°31	5°31	27°54	5°R34	5°39	23° 5	19°30	F 24
S 25	8 14 49	4°28'44	12♏32	28°33	23° 6	19°17	22°45	15°29	26°32	5°33	27°54	5°34	5°36	23°11	19°35	S 25
S 26	8 18 46	5°29'43	25°34	27°24	23°43	20° 3	22°47	15°33	26°33	5°35	27°54	5°D34	5°33	23°18	19°41	S 26
M27	8 22 42	6°30'41	8♐17	26°22	24°21	20°49	22°49	15°37	26°34	5°37	27°55	5°34	5°30	23°25	19°46	M27
T 28	8 26 39	7°31'39	20°44	25°26	25° 1	21°35	22°51	15°42	26°35	5°39	27°55	5°34	5°26	23°31	19°52	T 28
W29	8 30 36	8°32'36	2♑59	24°39	25°41	22°21	22°53	15°46	26°37	5°41	27°56	5°35	5°23	23°38	19°58	W29
T 30	8 34 32	9°33'32	15° 3	24° 0	26°23	23° 8	22°54	15°50	26°38	5°43	27°56	5°35	5°20	23°44	20° 3	T 30
F 31	8 38 29	10♒34'27	27♑ 0	23♑29	27♐ 6	23♑54	22♎56	15♈55	26♈39	5♓46	27♈56	5♌35	5♌17	23♒51	20♐ 8	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23s 5	19s49	3n30	22s14	1s42	18s18	4n34	24s 7	0s40	6s59	1n17	3n20	2s32	9n40	0s33	10s28	0s46	5s 9	16s58	18n52	18n34	15s49	18s11	4n40
T 2	23 0	20 44	2 35	21 50	1 35	18 10	4 42	24 7	0 40	7 1	1 17	3 21	2 31	9 40	0 33	10 27	0 46	5 8	16 58	18 53	18 35	15 47	18 11	4 41
F 3	22 54	20 40	1 34	21 26	1 27	18 2	4 48	24 7	0 41	7 3	1 18	3 22	2 31	9 40	0 33	10 27	0 46	5 8	16 58	18 54	18 36	15 46	18 11	4 41
S 4	22 49	19 39	0 29	21 0	1 18	17 55	4 55	24 6	0 42	7 5	1 18	3 23	2 31	9 40	0 33	10 26	0 46	5 8	16 57	18 54	18 37	15 45	18 11	4 41
S 5	22 42	17 46	0s36	20 34	1 8	17 49	5 0	24 6	0 42	7 7	1 18	3 24	2 31	9 40	0 33	10 25	0 46	5 8	16 57	18 54	18 37	15 44	18 12	4 42
M 6	22 36	15 8	1 40	20 8	0 57	17 44	5 5	24 5	0 43	7 9	1 18	3 25	2 30	9 40	0 33	10 25	0 46	5 7	16 57	18 54	18 38	15 42	18 12	4 42
T 7	22 29	11 54	2 39	19 41	0 45	17 40	5 10	24 3	0 43	7 11	1 19	3 26	2 30	9 40	0 33	10 24	0 46	5 7	16 56	18 53	18 39	15 41	18 12	4 42
W 8	22 21	8 12	3 32	19 15	0 32	17 36	5 14	24 2	0 44	7 13	1 19	3 27	2 30	9 41	0 33	10 24	0 46	5 7	16 56	18 53	18 40	15 40	18 12	4 43
T 9	22 13	4 9	4 16	18 49	0 18	17 33	5 17	24 0	0 44	7 15	1 19	3 28	2 29	9 41	0 33	10 23	0 46	5 6	16 56	18 52	18 41	15 38	18 13	4 43
F 10	22 5	0n 7	4 49	18 24	0 3	17 31	5 20	23 58	0 45	7 17	1 19	3 29	2 29	9 41	0 32	10 22	0 46	5 6	16 55	18 52	18 41	15 37	18 13	4 44
S 11	21 56	4 28	5 10	18 1	0n13	17 30	5 23	23 56	0 45	7 18	1 20	3 31	2 29	9 41	0 32	10 22	0 46	5 6	16 55	18 52	18 42	15 35	18 13	4 44
S 12	21 47	8 44	5 17	17 39	0 30	17 29	5 25	23 53	0 46	7 20	1 20	3 32	2 29	9 41	0 32	10 21	0 46	5 5	16 54	18 52	18 43	15 34	18 13	4 44
M13	21 37	12 44	5 8	17 19	0 48	17 28	5 26	23 50	0 46	7 21	1 20	3 33	2 28	9 41	0 32	10 20	0 46	5 5	16 54	18 53	18 44	15 33	18 13	4 45
T 14	21 27	16 14	4 41	17 1	1 6	17 29	5 28	23 47	0 47	7 23	1 20	3 35	2 28	9 41	0 32	10 20	0 46	5 5	16 54	18 53	18 44	15 31	18 13	4 45
W15	21 16	18 55	3 57	16 47	1 25	17 29	5 29	23 44	0 47	7 24	1 20	3 36	2 28	9 42	0 32	10 19	0 46	5 4	16 53	18 53	18 45	15 30	18 13	4 46
T 16	21 5	20 30	2 57	16 35	1 44	17 31	5 29	23 40	0 48	7 25	1 21	3 37	2 28	9 42	0 32	10 18	0 46	5 4	16 53	18 54	18 46	15 29	18 14	4 46
F 17	20 54	20 43	1 43	16 26	2 2	17 32	5 29	23 36	0 48	7 27	1 21	3 39	2 27	9 42	0 32	10 18	0 46	5 4	16 53	18 54	18 47	15 27	18 14	4 46
S 18	20 42	19 28	0 22	16 21	2 20	17 35	5 29	23 32	0 49	7 28	1 21	3 40	2 27	9 42	0 32	10 17	0 46	5 3	16 52	18 54	18 48	15 26	18 14	4 47
S 19	20 30	16 49	1n 2	16 19	2 36	17 37	5 28	23 28	0 49	7 29	1 21	3 42	2 27	9 43	0 32	10 16	0 46	5 3	16 52	18 54	18 48	15 25	18 14	4 47
M20	20 18	13 2	2 21	16 19	2 51	17 40	5 27	23 23	0 50	7 30	1 22	3 43	2 27	9 43	0 32	10 16	0 46	5 2	16 52	18 54	18 49	15 23	18 14	4 48
T 21	20 5	8 29	3 29	16 23	3 4	17 43	5 26	23 18	0 50	7 31	1 22	3 45	2 26	9 43	0 32	10 15	0 46	5 2	16 51	18 54	18 50	15 22	18 14	4 48
W22	19 51	3 32	4 23	16 29	3 15	17 47	5 25	23 13	0 51	7 32	1 22	3 47	2 26	9 44	0 32	10 14	0 46	5 2	16 51	18 54	18 51	15 20	18 14	4 49
T 23	19 38	1s28	4 59	16 37	3 24	17 50	5 23	23 7	0 51	7 33	1 22	3 48	2 26	9 44	0 32	10 13	0 46	5 1	16 50	18 54	18 52	15 19	18 14	4 49
F 24	19 24	6 15	5 16	16 47	3 30	17 54	5 21	23 2	0 52	7 33	1 23	3 50	2 26	9 44	0 32	10 13	0 46	5 1	16 50	18 54	18 52	15 18	18 14	4 49
S 25	19 9	10 36	5 16	16 59	3 34	17 58	5 19	22 56	0 52	7 34	1 23	3 52	2 25	9 45	0 32	10 12	0 46	5 0	16 50	18 54	18 53	15 16	18 14	4 50
S 26	18 55	14 19	4 59	17 11	3 35	18 2	5 17	22 49	0 52	7 35	1 23	3 54	2 25	9 45	0 32	10 11	0 46	5 0	16 49	18 54	18 54	15 15	18 14	4 50
M27	18 40	17 18	4 28	17 24	3 34	18 7	5 14	22 43	0 53	7 35	1 23	3 55	2 25	9 46	0 32	10 10	0 46	5 0	16 49	18 54	18 55	15 13	18 14	4 51
T 28	18 24	19 24	3 45	17 37	3 31	18 11	5 11	22 36	0 53	7 36	1 24	3 57	2 25	9 46	0 32	10 10	0 46	4 59	16 49	18 53	18 55	15 12	18 14	4 51
W29	18 8	20 34	2 52	17 50	3 26	18 15	5 8	22 29	0 54	7 36	1 24	3 59	2 24	9 47	0 32	10 9	0 46	4 59	16 48	18 53	18 56	15 11	18 14	4 52
T 30	17 52	20 45	1 52	18 4	3 19	18 20	5 5	22 22	0 54	7 37	1 24	4 1	2 24	9 47	0 32	10 8	0 46	4 58	16 48	18 53	18 57	15 9	18 14	4 52
F 31	17s36	20s 0	0n48	18s17	3n11	18s24	5n 2	22s14	0s55	7s37	1n24	4n 3	2s24	9n48	0s32	10s 7	0s46	4s58	16s48	18n53	18n58	15s 8	18s13	4n53

Julian Day Number = 2397123.5, Delta T = 9.61 sec
Ecliptic obliquity = 23°27'25, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°39'35, Lahiri = 21°46'35

ASTRODIENST EPHEMERIS for the year 1851
geocentric

FEBRUARY 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 42 25	11♒35'21	8♒52	23°R 8	27♐50	24♑40	22♎57	15♈59	26♈41	5♓48	27♈57	5°R35	5♌14	23♒58	20♐14	S 1
S 2	8 46 22	12°36'14	20°41	22♑54	28°34	25°26	22°58	16° 4	26°42	5°50	27°57	5♌35	5°10	24° 4	20°19	S 2
M 3	8 50 18	13°37'06	2♓29	22°D49	29°20	26°13	22°59	16° 9	26°44	5°52	27°58	5°34	5° 7	24°11	20°24	M 3
T 4	8 54 15	14°37'56	14°17	22°51	0♑ 7	26°59	23° 0	16°14	26°45	5°54	27°58	5°33	5° 4	24°18	20°29	T 4
W 5	8 58 11	15°38'46	26°10	23° 1	0°55	27°45	23° 0	16°18	26°47	5°56	27°59	5°32	5° 1	24°24	20°34	W 5
T 6	9 2 8	16°39'33	8♈ 8	23°17	1°43	28°32	23° 0	16°23	26°48	5°58	27°59	5°30	4°58	24°31	20°39	T 6
F 7	9 6 5	17°40'20	20°17	23°39	2°32	29°18	23°R 0	16°29	26°50	6° 1	28° 0	5°29	4°55	24°38	20°44	F 7
S 8	9 10 1	18°41'04	2♉38	24° 7	3°22	0♒ 5	23° 0	16°34	26°52	6° 3	28° 0	5°27	4°51	24°44	20°49	S 8
S 9	9 13 58	19°41'48	15°17	24°40	4°13	0°51	23° 0	16°39	26°53	6° 5	28° 1	5°D27	4°48	24°51	20°54	S 9
M10	9 17 54	20°42'29	28°16	25°18	5° 5	1°38	22°59	16°44	26°55	6° 7	28° 2	5°27	4°45	24°58	20°58	M10
T 11	9 21 51	21°43'09	11♊40	26° 0	5°57	2°24	22°59	16°49	26°57	6° 9	28° 2	5°28	4°42	25° 4	21° 3	T 11
W12	9 25 47	22°43'47	25°30	26°46	6°50	3°11	22°58	16°55	26°59	6°12	28° 3	5°29	4°39	25°11	21° 7	W12
T 13	9 29 44	23°44'24	9♋47	27°36	7°43	3°57	22°57	17° 0	27° 1	6°14	28° 4	5°30	4°36	25°18	21°12	T 13
F 14	9 33 40	24°44'59	24°28	28°29	8°37	4°44	22°56	17° 6	27° 3	6°16	28° 4	5°31	4°32	25°24	21°16	F 14
S 15	9 37 37	25°45'32	9♌29	29°26	9°32	5°30	22°54	17°12	27° 5	6°18	28° 5	5°R31	4°29	25°31	21°20	S 15
S 16	9 41 34	26°46'04	24°42	0♒25	10°28	6°17	22°53	17°17	27° 7	6°21	28° 6	5°31	4°26	25°38	21°25	S 16
M17	9 45 30	27°46'34	9♍58	1°27	11°23	7° 4	22°51	17°23	27° 9	6°23	28° 7	5°29	4°23	25°44	21°29	M17
T 18	9 49 27	28°47'03	25° 6	2°31	12°20	7°50	22°49	17°29	27°11	6°25	28° 7	5°26	4°20	25°51	21°33	T 18
W19	9 53 23	29°47'30	9♎57	3°38	13°17	8°37	22°47	17°35	27°13	6°27	28° 8	5°22	4°16	25°58	21°37	W19
T 20	9 57 20	0♓47'55	24°24	4°47	14°14	9°24	22°44	17°41	27°15	6°30	28° 9	5°19	4°13	26° 4	21°41	T 20
F 21	10 1 16	1°48'20	8♏24	5°57	15°12	10°10	22°42	17°47	27°17	6°32	28°10	5°16	4°10	26°11	21°45	F 21
S 22	10 5 13	2°48'43	21°55	7°10	16°11	10°57	22°39	17°53	27°20	6°34	28°11	5°14	4° 7	26°18	21°48	S 22
S 23	10 9 9	3°49'04	4♐59	8°24	17°10	11°44	22°36	17°59	27°22	6°36	28°11	5°D14	4° 4	26°24	21°52	S 23
M24	10 13 6	4°49'25	17°40	9°41	18° 9	12°30	22°33	18° 5	27°24	6°39	28°12	5°14	4° 1	26°31	21°56	M24
T 25	10 17 3	5°49'44	0♑ 1	10°58	19° 8	13°17	22°30	18°12	27°27	6°41	28°13	5°16	3°57	26°37	21°59	T 25
W26	10 20 59	6°50'01	12° 8	12°18	20° 9	14° 4	22°26	18°18	27°29	6°43	28°14	5°18	3°54	26°44	22° 3	W26
T 27	10 24 56	7°50'17	24° 4	13°38	21° 9	14°51	22°23	18°24	27°32	6°46	28°15	5°19	3°51	26°51	22° 6	T 27
F 28	10 28 52	8♓50'31	5♒54	15♒ 0	22♑10	15♒38	22♎19	18♈31	27♈34	6♓48	28♈16	5°R20	3♌48	26♒57	22♐ 9	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s19	18s21	0s18	18s29	3n 2	18s28	4n58	22s 7	0s55	7s37	1n25	4n 5	2s24	9n48	0s32	10s 7	0s46	4s57	16s47	18n53	18n59	15s 6	18s13	4n53
S 2	17 2	15 55	1 23	18 41	2 52	18 33	4 54	21 59	0 56	7 37	1 25	4 7	2 24	9 49	0 32	10 6	0 46	4 57	16 47	18 53	18 59	15 5	18 13	4 54
M 3	16 45	12 50	2 24	18 52	2 42	18 37	4 51	21 51	0 56	7 37	1 25	4 9	2 23	9 49	0 32	10 5	0 46	4 56	16 46	18 53	19 0	15 4	18 13	4 54
T 4	16 27	9 15	3 19	19 3	2 31	18 41	4 47	21 42	0 56	7 37	1 25	4 11	2 23	9 50	0 32	10 4	0 46	4 56	16 46	18 54	19 1	15 2	18 13	4 55
W 5	16 9	5 17	4 5	19 12	2 19	18 45	4 43	21 33	0 57	7 37	1 26	4 13	2 23	9 50	0 32	10 3	0 46	4 55	16 46	18 54	19 2	15 1	18 13	4 55
T 6	15 51	1 5	4 42	19 21	2 8	18 48	4 38	21 24	0 57	7 37	1 26	4 15	2 23	9 51	0 32	10 3	0 46	4 55	16 45	18 55	19 2	14 59	18 12	4 56
F 7	15 33	3n12	5 6	19 29	1 56	18 52	4 34	21 15	0 58	7 37	1 26	4 17	2 22	9 52	0 32	10 2	0 46	4 54	16 45	18 55	19 3	14 58	18 12	4 56
S 8	15 14	7 26	5 17	19 36	1 44	18 55	4 30	21 6	0 58	7 37	1 26	4 20	2 22	9 52	0 32	10 1	0 46	4 54	16 45	18 55	19 4	14 56	18 12	4 57
S 9	14 55	11 27	5 12	19 41	1 33	18 58	4 25	20 56	0 59	7 36	1 27	4 22	2 22	9 53	0 31	10 0	0 46	4 53	16 44	18 55	19 5	14 55	18 12	4 57
M10	14 36	15 2	4 52	19 46	1 21	19 1	4 20	20 46	0 59	7 36	1 27	4 24	2 22	9 54	0 31	9 59	0 46	4 53	16 44	18 55	19 5	14 53	18 12	4 58
T 11	14 17	17 58	4 16	19 49	1 10	19 4	4 16	20 36	0 59	7 35	1 27	4 26	2 22	9 54	0 31	9 59	0 46	4 52	16 44	18 55	19 6	14 52	18 11	4 59
W12	13 57	19 59	3 24	19 52	0 58	19 6	4 11	20 26	1 0	7 35	1 27	4 28	2 21	9 55	0 31	9 58	0 46	4 52	16 43	18 55	19 7	14 50	18 11	4 59
T 13	13 37	20 48	2 18	19 53	0 47	19 8	4 6	20 15	1 0	7 34	1 28	4 31	2 21	9 56	0 31	9 57	0 46	4 51	16 43	18 55	19 8	14 49	18 11	5 0
F 14	13 17	20 15	1 1	19 53	0 36	19 10	4 1	20 4	1 1	7 34	1 28	4 33	2 21	9 56	0 31	9 56	0 46	4 51	16 43	18 54	19 8	14 47	18 10	5 0
S 15	12 57	18 15	0n22	19 52	0 26	19 11	3 56	19 54	1 1	7 33	1 28	4 35	2 21	9 57	0 31	9 55	0 46	4 50	16 42	18 54	19 9	14 46	18 10	5 1
S 16	12 36	14 56	1 44	19 49	0 16	19 12	3 51	19 42	1 1	7 32	1 28	4 38	2 21	9 58	0 31	9 54	0 46	4 49	16 42	18 54	19 10	14 45	18 10	5 1
M17	12 15	10 36	2 59	19 46	0 6	19 13	3 46	19 31	1 2	7 31	1 29	4 40	2 20	9 59	0 31	9 54	0 46	4 49	16 42	18 55	19 11	14 43	18 10	5 2
T 18	11 54	5 38	4 0	19 41	0s 4	19 13	3 41	19 19	1 2	7 30	1 29	4 42	2 20	9 59	0 31	9 53	0 46	4 48	16 42	18 56	19 12	14 42	18 9	5 3
W19	11 33	0 25	4 44	19 35	0 14	19 13	3 36	19 7	1 2	7 29	1 29	4 45	2 20	10 0	0 31	9 52	0 46	4 48	16 41	18 56	19 12	14 40	18 9	5 3
T 20	11 12	4s40	5 9	19 27	0 23	19 13	3 30	18 55	1 3	7 28	1 29	4 47	2 20	10 1	0 31	9 51	0 46	4 47	16 41	18 57	19 13	14 39	18 9	5 4
F 21	10 50	9 21	5 14	19 18	0 32	19 12	3 25	18 43	1 3	7 27	1 29	4 50	2 20	10 2	0 31	9 50	0 46	4 47	16 41	18 58	19 14	14 37	18 8	5 4
S 22	10 29	13 24	5 2	19 8	0 40	19 10	3 20	18 31	1 3	7 26	1 30	4 52	2 20	10 3	0 31	9 50	0 46	4 46	16 40	18 58	19 15	14 36	18 8	5 5
S 23	10 7	16 40	4 33	18 57	0 48	19 9	3 14	18 18	1 4	7 25	1 30	4 55	2 19	10 4	0 31	9 49	0 46	4 46	16 40	18 58	19 15	14 34	18 7	5 6
M24	9 45	19 1	3 53	18 44	0 56	19 6	3 9	18 5	1 4	7 23	1 30	4 57	2 19	10 5	0 31	9 48	0 46	4 45	16 40	18 58	19 16	14 33	18 7	5 6
T 25	9 23	20 26	3 2	18 30	1 3	19 4	3 3	17 52	1 4	7 22	1 30	5 0	2 19	10 5	0 31	9 47	0 46	4 44	16 39	18 58	19 17	14 31	18 7	5 7
W26	9 1	20 51	2 4	18 15	1 11	19 1	2 58	17 39	1 5	7 20	1 31	5 2	2 19	10 6	0 31	9 46	0 46	4 44	16 39	18 58	19 18	14 30	18 6	5 7
T 27	8 38	20 18	1 1	17 59	1 17	18 57	2 52	17 26	1 5	7 19	1 31	5 5	2 19	10 7	0 31	9 45	0 46	4 43	16 39	18 57	19 18	14 28	18 6	5 8
F 28	8s16	18s52	0s 3	17s41	1s24	18s53	2n47	17s12	1s 5	7s17	1n31	5n 7	2s19	10n 8	0s31	9s44	0s46	4s43	16s39	18n57	19n19	14s26	18s 5	5n 9

Julian Day Number = 2397154.5, Delta T = 9.63 sec
Ecliptic obliquity = 23°27'26, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°39'39, Lahiri = 21°46'39

ASTRODIENST EPHEMERIS for the year 1851
geocentric

MARCH 1851

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 32 49	9♓50'44	17♒41	16♒24	23♉11	16♒25	22°R15	18♈37	27♈37	6♓50	28♈17	5°R19	3♌45	27♒ 4	22♐12	S 1
S 2	10 36 45	10°50'54	29°28	17°49	24°13	17°11	22♎11	18°44	27°39	6°52	28°18	5♌16	3°41	27°11	22°15	S 2
M 3	10 40 42	11°51'03	11♓17	19°15	25°14	17°58	22° 6	18°50	27°42	6°55	28°19	5°12	3°38	27°17	22°18	M 3
T 4	10 44 38	12°51'11	23°11	20°42	26°17	18°45	22° 2	18°57	27°45	6°57	28°20	5° 6	3°35	27°24	22°21	T 4
W 5	10 48 35	13°51'16	5♈11	22°11	27°19	19°32	21°57	19° 3	27°47	6°59	28°21	4°59	3°32	27°31	22°24	W 5
T 6	10 52 32	14°51'19	17°19	23°40	28°22	20°19	21°53	19°10	27°50	7° 1	28°22	4°51	3°29	27°37	22°27	T 6
F 7	10 56 28	15°51'20	29°36	25°11	29°25	21° 6	21°48	19°17	27°53	7° 4	28°23	4°44	3°26	27°44	22°29	F 7
S 8	11 0 25	16°51'20	12♉ 4	26°44	0♒28	21°53	21°43	19°24	27°55	7° 6	28°24	4°38	3°22	27°51	22°32	S 8
S 9	11 4 21	17°51'17	24°46	28°17	1°32	22°40	21°37	19°31	27°58	7° 8	28°25	4°33	3°19	27°57	22°34	S 9
M10	11 8 18	18°51'12	7♊44	29°52	2°36	23°26	21°32	19°38	28° 1	7°10	28°26	4°31	3°16	28° 4	22°37	M10
T 11	11 12 14	19°51'04	21° 1	1♓27	3°40	24°13	21°27	19°44	28° 4	7°13	28°27	4°D30	3°13	28°11	22°39	T 11
W12	11 16 11	20°50'55	4♋39	3° 4	4°44	25° 0	21°21	19°51	28° 7	7°15	28°29	4°31	3°10	28°17	22°41	W12
T 13	11 20 7	21°50'43	18°40	4°42	5°49	25°47	21°15	19°58	28°10	7°17	28°30	4°32	3° 7	28°24	22°43	T 13
F 14	11 24 4	22°50'29	3♌ 4	6°21	6°53	26°34	21° 9	20° 5	28°13	7°19	28°31	4°R33	3° 3	28°31	22°45	F 14
S 15	11 28 1	23°50'13	17°49	8° 2	7°58	27°21	21° 3	20°13	28°16	7°22	28°32	4°32	3° 0	28°37	22°47	S 15
S 16	11 31 57	24°49'55	2♍50	9°44	9° 3	28° 8	20°57	20°20	28°19	7°24	28°33	4°29	2°57	28°44	22°49	S 16
M17	11 35 54	25°49'34	17°58	11°26	10° 9	28°55	20°51	20°27	28°22	7°26	28°34	4°24	2°54	28°51	22°50	M17
T 18	11 39 50	26°49'11	3♎ 6	13°11	11°14	29°42	20°44	20°34	28°25	7°28	28°36	4°17	2°51	28°57	22°52	T 18
W19	11 43 47	27°48'46	18° 1	14°56	12°20	0♓29	20°38	20°41	28°28	7°30	28°37	4° 8	2°47	29° 4	22°53	W19
T 20	11 47 43	28°48'20	2♏37	16°43	13°26	1°16	20°31	20°48	28°31	7°33	28°38	4° 0	2°44	29°11	22°55	T 20
F 21	11 51 40	29°47'51	16°46	18°30	14°32	2° 3	20°24	20°56	28°34	7°35	28°39	3°52	2°41	29°17	22°56	F 21
S 22	11 55 36	0♈47'21	0♐26	20°20	15°39	2°49	20°18	21° 3	28°37	7°37	28°40	3°46	2°38	29°24	22°57	S 22
S 23	11 59 33	1°46'49	13°37	22°10	16°45	3°36	20°11	21°10	28°40	7°39	28°42	3°42	2°35	29°31	22°58	S 23
M24	12 3 29	2°46'16	26°21	24° 2	17°52	4°23	20° 4	21°18	28°43	7°41	28°43	3°40	2°32	29°37	22°59	M24
T 25	12 7 26	3°45'40	8♉44	25°55	18°59	5°10	19°57	21°25	28°47	7°43	28°44	3°D40	2°28	29°44	23° 0	T 25
W26	12 11 23	4°45'03	20°50	27°49	20° 6	5°57	19°50	21°32	28°50	7°45	28°46	3°41	2°25	29°51	23° 1	W26
T 27	12 15 19	5°44'24	2♒44	29°45	21°13	6°44	19°42	21°40	28°53	7°47	28°47	3°R42	2°22	29°57	23° 2	T 27
F 28	12 19 16	6°43'43	14°32	1♈42	22°20	7°31	19°35	21°47	28°56	7°49	28°48	3°41	2°19	0♓ 4	23° 2	F 28
S 29	12 23 12	7°43'00	26°19	3°40	23°28	8°18	19°28	21°55	28°59	7°51	28°49	3°38	2°16	0°11	23° 3	S 29
S 30	12 27 9	8°42'16	8♓ 7	5°39	24°35	9° 5	19°20	22° 2	29° 3	7°53	28°51	3°33	2°13	0°17	23° 3	S 30
M31	12 31 5	9♈41'29	20♓ 1	7♈40	25♒43	9♓52	19♎13	22♈10	29♈ 6	7♓55	28♈52	3♌25	2♌ 9	0♓24	23♐ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s53	16s37	1s 7	17s22	1s30	18s49	2n41	16s58	1s 6	7s15	1n31	5n10	2s18	10n 9	0s31	9s44	0s46	4s42	16s38	18n57	19n20	14s25	18s 5	5n 9
S 2	7 30	13 40	2 8	17 1	1 36	18 44	2 36	16 44	1 6	7 14	1 31	5 13	2 18	10 10	0 31	9 43	0 46	4 41	16 38	18 58	19 21	14 23	18 4	5 10
M 3	7 7	10 10	3 4	16 39	1 41	18 38	2 30	16 30	1 6	7 12	1 32	5 15	2 18	10 11	0 31	9 42	0 46	4 41	16 38	18 59	19 21	14 22	18 4	5 11
T 4	6 44	6 15	3 51	16 16	1 46	18 32	2 25	16 16	1 6	7 10	1 32	5 18	2 18	10 12	0 31	9 41	0 46	4 40	16 38	19 0	19 22	14 20	18 3	5 11
W 5	6 21	2 3	4 29	15 52	1 50	18 26	2 19	16 2	1 7	7 8	1 32	5 20	2 18	10 13	0 31	9 40	0 46	4 40	16 37	19 2	19 23	14 19	18 3	5 12
T 6	5 58	2n15	4 55	15 27	1 55	18 19	2 14	15 47	1 7	7 6	1 32	5 23	2 18	10 14	0 31	9 39	0 46	4 39	16 37	19 4	19 23	14 17	18 2	5 13
F 7	5 35	6 32	5 8	15 0	1 58	18 12	2 9	15 32	1 7	7 4	1 32	5 26	2 18	10 15	0 31	9 39	0 46	4 39	16 37	19 6	19 24	14 16	18 2	5 13
S 8	5 12	10 36	5 7	14 31	2 2	18 4	2 3	15 17	1 7	7 2	1 32	5 28	2 18	10 16	0 31	9 38	0 46	4 38	16 37	19 7	19 25	14 14	18 1	5 14
S 9	4 48	14 16	4 51	14 2	2 5	17 55	1 58	15 2	1 8	7 0	1 33	5 31	2 17	10 17	0 31	9 37	0 47	4 37	16 36	19 8	19 26	14 13	18 1	5 15
M10	4 25	17 21	4 19	13 31	2 8	17 46	1 52	14 47	1 8	6 58	1 33	5 34	2 17	10 18	0 31	9 36	0 47	4 37	16 36	19 9	19 26	14 11	18 0	5 15
T 11	4 1	19 36	3 34	12 59	2 10	17 37	1 47	14 32	1 8	6 56	1 33	5 37	2 17	10 19	0 31	9 35	0 47	4 36	16 36	19 9	19 27	14 9	18 0	5 16
W12	3 38	20 48	2 35	12 26	2 12	17 27	1 41	14 16	1 8	6 54	1 33	5 39	2 17	10 20	0 31	9 35	0 47	4 36	16 36	19 9	19 28	14 8	17 59	5 17
T 13	3 14	20 45	1 25	11 51	2 13	17 17	1 36	14 1	1 9	6 51	1 33	5 42	2 17	10 21	0 31	9 34	0 47	4 35	16 35	19 9	19 29	14 6	17 59	5 17
F 14	2 51	19 21	0 8	11 16	2 14	17 6	1 31	13 45	1 9	6 49	1 33	5 45	2 17	10 22	0 31	9 33	0 47	4 34	16 35	19 8	19 29	14 5	17 58	5 18
S 15	2 27	16 38	1n11	10 39	2 14	16 55	1 25	13 29	1 9	6 47	1 34	5 48	2 17	10 23	0 31	9 32	0 47	4 34	16 35	19 9	19 30	14 3	17 58	5 19
S 16	2 3	12 45	2 26	10 0	2 15	16 43	1 20	13 13	1 9	6 44	1 34	5 50	2 17	10 24	0 31	9 31	0 47	4 33	16 35	19 9	19 31	14 2	17 57	5 19
M17	1 40	8 1	3 32	9 21	2 14	16 31	1 15	12 57	1 9	6 42	1 34	5 53	2 17	10 25	0 31	9 31	0 47	4 33	16 35	19 11	19 32	14 0	17 56	5 20
T 18	1 16	2 47	4 23	8 40	2 13	16 18	1 10	12 40	1 10	6 39	1 34	5 56	2 16	10 27	0 31	9 30	0 47	4 32	16 34	19 12	19 32	13 58	17 56	5 21
W19	0 52	2s32	4 54	7 58	2 12	16 5	1 5	12 24	1 10	6 37	1 34	5 59	2 16	10 28	0 31	9 29	0 47	4 32	16 34	19 14	19 33	13 57	17 55	5 21
T 20	0 29	7 35	5 6	7 15	2 10	15 51	1 0	12 7	1 10	6 34	1 34	6 1	2 16	10 29	0 30	9 28	0 47	4 31	16 34	19 16	19 34	13 55	17 55	5 22
F 21	0 5	12 5	4 59	6 31	2 8	15 37	0 55	11 51	1 10	6 31	1 34	6 4	2 16	10 30	0 30	9 27	0 47	4 30	16 34	19 18	19 34	13 54	17 54	5 23
S 22	0n19	15 47	4 34	5 45	2 5	15 22	0 50	11 34	1 10	6 29	1 34	6 7	2 16	10 31	0 30	9 27	0 47	4 30	16 34	19 19	19 35	13 52	17 53	5 23
S 23	0 43	18 33	3 56	4 58	2 2	15 7	0 45	11 17	1 10	6 26	1 35	6 10	2 16	10 32	0 30	9 26	0 47	4 29	16 33	19 20	19 36	13 50	17 53	5 24
M24	1 6	20 18	3 6	4 11	1 58	14 52	0 40	11 0	1 10	6 23	1 35	6 13	2 16	10 33	0 30	9 25	0 47	4 29	16 33	19 21	19 37	13 49	17 52	5 25
T 25	1 30	21 1	2 10	3 22	1 54	14 36	0 35	10 43	1 11	6 21	1 35	6 15	2 16	10 34	0 30	9 24	0 47	4 28	16 33	19 21	19 37	13 47	17 52	5 25
W26	1 53	20 43	1 8	2 32	1 49	14 19	0 30	10 26	1 11	6 18	1 35	6 18	2 16	10 36	0 30	9 23	0 47	4 27	16 33	19 21	19 38	13 45	17 51	5 26
T 27	2 17	19 29	0 5	1 41	1 44	14 2	0 25	10 9	1 11	6 15	1 35	6 21	2 16	10 37	0 30	9 23	0 47	4 27	16 33	19 20	19 39	13 44	17 50	5 27
F 28	2 40	17 24	0s58	0 49	1 38	13 45	0 21	9 51	1 11	6 12	1 35	6 24	2 16	10 38	0 30	9 22	0 47	4 26	16 33	19 21	19 40	13 42	17 50	5 27
S 29	3 4	14 36	1 58	0n 4	1 31	13 27	0 16	9 34	1 11	6 9	1 35	6 27	2 16	10 39	0 30	9 21	0 47	4 26	16 33	19 21	19 40	13 41	17 49	5 28
S 30	3 27	11 12	2 53	0 57	1 24	13 9	0 12	9 16	1 11	6 6	1 35	6 30	2 16	10 40	0 30	9 21	0 47	4 25	16 32	19 22	19 41	13 39	17 48	5 29
M31	3n51	7s20	3s41	1n52	1s17	12s51	0n 7	8s59	1s11	6s 4	1n35	6n32	2s15	10n41	0s30	9s20	0s47	4s25	16s32	19n24	19n42	13s37	17s48	5n29

Julian Day Number = 2397182.5, Delta T = 9.66 sec
Ecliptic obliquity = 23°27'26, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°39'43, Lahiri = 21°46'43

ASTRODIENST EPHEMERIS for the year 1851
geocentric

APRIL 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 35 2	10♈40'41	2♈ 3	9♈41	26♒51	10♓38	19°R 5	22♈17	29♈ 9	7♓57	28♈53	3°R15	2♌ 6	0♓31	23♐ 4	T 1
W 2	12 38 58	11°39'50	14°14	11°44	27°59	11°25	18♎58	22°25	29°13	7°59	28°55	3♌ 3	2° 3	0°37	23° 4	W 2
T 3	12 42 55	12°38'58	26°35	13°47	29° 7	12°12	18°50	22°32	29°16	8° 1	28°56	2°50	2° 0	0°44	23°R 4	T 3
F 4	12 46 52	13°38'03	9♉ 7	15°51	0♓15	12°59	18°42	22°40	29°19	8° 3	28°57	2°38	1°57	0°51	23° 4	F 4
S 5	12 50 48	14°37'06	21°50	17°56	1°23	13°46	18°35	22°47	29°23	8° 5	28°59	2°27	1°53	0°57	23° 4	S 5
S 6	12 54 45	15°36'07	4♊45	20° 1	2°32	14°33	18°27	22°55	29°26	8° 7	29° 0	2°18	1°50	1° 4	23° 3	S 6
M 7	12 58 41	16°35'06	17°52	22° 6	3°40	15°19	18°19	23° 3	29°29	8° 9	29° 1	2°13	1°47	1°11	23° 3	M 7
T 8	13 2 38	17°34'03	1♋12	24°11	4°49	16° 6	18°12	23°10	29°33	8°11	29° 3	2°10	1°44	1°17	23° 3	T 8
W 9	13 6 34	18°32'57	14°48	26°16	5°57	16°53	18° 4	23°18	29°36	8°13	29° 4	2°D 9	1°41	1°24	23° 2	W 9
T 10	13 10 31	19°31'49	28°40	28°19	7° 6	17°40	17°56	23°25	29°40	8°15	29° 5	2°R 9	1°38	1°31	23° 2	T 10
F 11	13 14 27	20°30'38	12♌49	0♉22	8°15	18°26	17°49	23°33	29°43	8°16	29° 7	2° 9	1°34	1°37	23° 1	F 11
S 12	13 18 24	21°29'26	27°14	2°23	9°24	19°13	17°41	23°41	29°46	8°18	29° 8	2° 7	1°31	1°44	23° 0	S 12
S 13	13 22 21	22°28'11	11♍53	4°23	10°33	20° 0	17°33	23°48	29°50	8°20	29°10	2° 3	1°28	1°50	22°59	S 13
M14	13 26 17	23°26'53	26°41	6°21	11°42	20°46	17°26	23°56	29°53	8°22	29°11	1°55	1°25	1°57	22°58	M14
T 15	13 30 14	24°25'34	11♎30	8°16	12°52	21°33	17°18	24° 4	29°57	8°23	29°12	1°46	1°22	2° 4	22°57	T 15
W16	13 34 10	25°24'12	26°12	10° 8	14° 1	22°19	17°10	24°11	0♉ 0	8°25	29°14	1°35	1°18	2°10	22°56	W16
T 17	13 38 7	26°22'49	10♏40	11°57	15°10	23° 6	17° 3	24°19	0° 4	8°27	29°15	1°23	1°15	2°17	22°54	T 17
F 18	13 42 3	27°21'24	24°46	13°43	16°20	23°53	16°55	24°26	0° 7	8°28	29°16	1°12	1°12	2°24	22°53	F 18
S 19	13 46 0	28°19'57	8♐26	15°26	17°29	24°39	16°48	24°34	0°10	8°30	29°18	1° 3	1° 9	2°30	22°52	S 19
S 20	13 49 56	29°18'28	21°40	17° 4	18°39	25°26	16°40	24°42	0°14	8°32	29°19	0°57	1° 6	2°37	22°50	S 20
M21	13 53 53	0♉16'58	4♑28	18°39	19°49	26°12	16°33	24°49	0°17	8°33	29°21	0°53	1° 3	2°44	22°49	M21
T 22	13 57 50	1°15'26	16°54	20° 9	20°58	26°59	16°26	24°57	0°21	8°35	29°22	0°51	0°59	2°50	22°47	T 22
W23	14 1 46	2°13'53	29° 2	21°35	22° 8	27°45	16°19	25° 4	0°24	8°36	29°23	0°51	0°56	2°57	22°45	W23
T 24	14 5 43	3°12'18	10♒58	22°57	23°18	28°31	16°12	25°12	0°28	8°38	29°25	0°51	0°53	3° 4	22°43	T 24
F 25	14 9 39	4°10'41	22°47	24°14	24°28	29°18	16° 4	25°20	0°31	8°39	29°26	0°50	0°50	3°10	22°41	F 25
S 26	14 13 36	5° 9'02	4♓35	25°26	25°38	0♈ 4	15°58	25°27	0°35	8°41	29°28	0°47	0°47	3°17	22°39	S 26
S 27	14 17 32	6° 7'22	16°27	26°34	26°48	0°51	15°51	25°35	0°38	8°42	29°29	0°42	0°44	3°24	22°37	S 27
M28	14 21 29	7° 5'41	28°26	27°37	27°59	1°37	15°44	25°42	0°41	8°44	29°30	0°34	0°40	3°30	22°35	M28
T 29	14 25 25	8° 3'57	10♈36	28°34	29° 9	2°23	15°37	25°50	0°45	8°45	29°32	0°23	0°37	3°37	22°32	T 29
W30	14 29 22	9♉ 2'13	22♈58	29♉27	0♈19	3♈ 9	15♎31	25♈57	0♉48	8♓46	29♈33	0♌11	0♌34	3♓44	22♐30	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n14	3s 9	4s19	2n47	1s 9	12s32	0n 3	8s41	1s11	6s 1	1n35	6n35	2s15	10n43	0s30	9s19	0s47	4s24	16s32	19n27	19n42	13s36	17s47	5n30
W 2	4 37	1n13	4 46	3 43	1 1	12 13	0s 2	8 23	1 11	5 58	1 35	6 38	2 15	10 44	0 30	9 18	0 47	4 24	16 32	19 30	19 43	13 34	17 46	5 31
T 3	5 0	5 36	5 0	4 39	0 52	11 53	0 6	8 5	1 11	5 55	1 35	6 41	2 15	10 45	0 30	9 18	0 47	4 23	16 32	19 32	19 44	13 32	17 46	5 31
F 4	5 23	9 48	5 0	5 35	0 43	11 33	0 10	7 47	1 11	5 52	1 35	6 44	2 15	10 46	0 30	9 17	0 47	4 22	16 32	19 35	19 45	13 31	17 45	5 32
S 5	5 46	13 39	4 45	6 32	0 33	11 13	0 14	7 29	1 12	5 49	1 35	6 47	2 15	10 47	0 30	9 16	0 47	4 22	16 32	19 38	19 45	13 29	17 44	5 33
S 6	6 9	16 55	4 15	7 29	0 23	10 52	0 18	7 11	1 12	5 46	1 35	6 49	2 15	10 49	0 30	9 16	0 47	4 21	16 32	19 40	19 46	13 27	17 44	5 33
M 7	6 31	19 23	3 32	8 25	0 12	10 31	0 22	6 53	1 12	5 43	1 35	6 52	2 15	10 50	0 30	9 15	0 47	4 21	16 32	19 41	19 47	13 26	17 43	5 34
T 8	6 54	20 51	2 36	9 22	0 2	10 10	0 26	6 35	1 12	5 40	1 35	6 55	2 15	10 51	0 30	9 14	0 47	4 20	16 31	19 42	19 47	13 24	17 42	5 35
W 9	7 16	21 8	1 31	10 17	0n 9	9 48	0 30	6 17	1 12	5 37	1 35	6 58	2 15	10 52	0 30	9 14	0 47	4 20	16 31	19 42	19 48	13 22	17 42	5 35
T 10	7 39	20 9	0 18	11 12	0 21	9 26	0 34	5 59	1 12	5 35	1 35	7 1	2 15	10 53	0 30	9 13	0 47	4 19	16 31	19 42	19 49	13 21	17 41	5 36
F 11	8 1	17 53	0n56	12 6	0 32	9 4	0 38	5 40	1 12	5 32	1 35	7 4	2 15	10 55	0 30	9 12	0 47	4 19	16 31	19 42	19 49	13 19	17 40	5 37
S 12	8 23	14 27	2 9	12 59	0 43	8 41	0 41	5 22	1 12	5 29	1 35	7 6	2 15	10 56	0 30	9 12	0 47	4 18	16 31	19 42	19 50	13 17	17 39	5 37
S 13	8 45	10 6	3 14	13 50	0 54	8 18	0 45	5 4	1 12	5 26	1 35	7 9	2 15	10 57	0 30	9 11	0 47	4 18	16 31	19 43	19 51	13 16	17 39	5 38
M14	9 7	5 5	4 6	14 40	1 5	7 55	0 48	4 45	1 12	5 23	1 35	7 12	2 15	10 58	0 30	9 10	0 47	4 17	16 31	19 45	19 52	13 14	17 38	5 39
T 15	9 28	0s13	4 42	15 28	1 16	7 32	0 51	4 27	1 12	5 20	1 35	7 15	2 15	10 59	0 30	9 10	0 47	4 17	16 31	19 47	19 52	13 12	17 37	5 39
W16	9 50	5 28	4 59	16 14	1 26	7 8	0 55	4 9	1 11	5 17	1 35	7 18	2 15	11 1	0 30	9 9	0 47	4 16	16 31	19 49	19 53	13 11	17 37	5 40
T 17	10 11	10 20	4 57	16 58	1 36	6 44	0 58	3 50	1 11	5 14	1 35	7 20	2 15	11 2	0 30	9 8	0 47	4 16	16 31	19 52	19 54	13 9	17 36	5 41
F 18	10 32	14 30	4 36	17 39	1 46	6 20	1 1	3 32	1 11	5 12	1 35	7 23	2 15	11 3	0 30	9 8	0 47	4 15	16 31	19 54	19 54	13 7	17 35	5 41
S 19	10 53	17 47	4 0	18 18	1 55	5 56	1 4	3 13	1 11	5 9	1 35	7 26	2 15	11 4	0 30	9 7	0 47	4 15	16 31	19 56	19 55	13 5	17 35	5 42
S 20	11 14	20 1	3 12	18 55	2 3	5 31	1 7	2 55	1 11	5 6	1 35	7 29	2 15	11 6	0 30	9 7	0 47	4 14	16 31	19 58	19 56	13 4	17 34	5 42
M21	11 35	21 8	2 15	19 29	2 11	5 6	1 10	2 36	1 11	5 3	1 35	7 31	2 15	11 7	0 30	9 6	0 47	4 14	16 31	19 59	19 56	13 2	17 33	5 43
T 22	11 55	21 11	1 13	20 1	2 18	4 41	1 12	2 17	1 11	5 1	1 34	7 34	2 15	11 8	0 30	9 6	0 48	4 13	16 31	19 59	19 57	13 0	17 32	5 44
W23	12 15	20 13	0 10	20 30	2 24	4 16	1 15	1 59	1 11	4 58	1 34	7 37	2 15	11 9	0 30	9 5	0 48	4 13	16 31	19 59	19 58	12 59	17 32	5 44
T 24	12 35	18 21	0s53	20 56	2 30	3 51	1 18	1 40	1 11	4 55	1 34	7 40	2 15	11 10	0 30	9 4	0 48	4 12	16 31	19 59	19 59	12 57	17 31	5 45
F 25	12 55	15 43	1 53	21 20	2 34	3 25	1 20	1 22	1 11	4 53	1 34	7 42	2 15	11 12	0 30	9 4	0 48	4 12	16 31	19 59	19 59	12 55	17 30	5 45
S 26	13 15	12 27	2 48	21 41	2 38	3 0	1 22	1 3	1 11	4 50	1 34	7 45	2 15	11 13	0 30	9 3	0 48	4 11	16 31	20 0	20 0	12 53	17 30	5 46
S 27	13 34	8 40	3 36	22 0	2 40	2 34	1 25	0 45	1 11	4 48	1 34	7 48	2 15	11 14	0 30	9 3	0 48	4 11	16 31	20 1	20 1	12 52	17 29	5 47
M28	13 53	4 32	4 15	22 16	2 42	2 8	1 27	0 26	1 10	4 45	1 34	7 50	2 15	11 15	0 30	9 2	0 48	4 11	16 31	20 3	20 1	12 50	17 28	5 47
T 29	14 12	0 9	4 43	22 30	2 43	1 42	1 29	0 7	1 10	4 43	1 34	7 53	2 15	11 16	0 30	9 2	0 48	4 10	16 31	20 5	20 2	12 48	17 28	5 48
W30	14n31	4n19	4s58	22n41	2n42	1s16	1s31	0n11	1s10	4s40	1n33	7n56	2s15	11n18	0s30	9s 1	0s48	4s10	16s31	20n 8	20n 3	12s46	17s27	5n48

Julian Day Number = 2397213.5, Delta T = 9.69 sec
Ecliptic obliquity = 23°27'27, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°39'47, Lahiri = 21°46'48

ASTRODIENST EPHEMERIS for the year 1851
geocentric

MAY 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 33 18	10♉ 0'26	5♉34	0♊14	1♈29	3♈56	15°R24	26♈ 5	0♉52	8♓48	29♈34	29°R58	0♌31	3♓50	22°R28	T 1
F 2	14 37 15	10°58'38	18°24	0°57	2°40	4°42	15♎18	26°12	0°55	8°49	29°36	29♋45	0°28	3°57	22♐25	F 2
S 3	14 41 12	11°56'48	1♊27	1°34	3°50	5°28	15°11	26°20	0°58	8°50	29°37	29°34	0°24	4° 4	22°23	S 3
S 4	14 45 8	12°54'56	14°43	2° 6	5° 1	6°14	15° 5	26°27	1° 2	8°52	29°39	29°25	0°21	4°10	22°20	S 4
M 5	14 49 5	13°53'03	28° 8	2°33	6°11	7° 0	14°59	26°34	1° 5	8°53	29°40	29°19	0°18	4°17	22°17	M 5
T 6	14 53 1	14°51'07	11♋44	2°54	7°22	7°46	14°53	26°42	1° 9	8°54	29°41	29°16	0°15	4°24	22°14	T 6
W 7	14 56 58	15°49'10	25°29	3°11	8°32	8°32	14°48	26°49	1°12	8°55	29°43	29°D15	0°12	4°31	22°11	W 7
T 8	15 0 54	16°47'11	9♌24	3°22	9°43	9°18	14°42	26°57	1°15	8°56	29°44	29°R15	0° 9	4°37	22° 9	T 8
F 9	15 4 51	17°45'09	23°28	3°28	10°54	10° 4	14°36	27° 4	1°19	8°57	29°45	29°15	0° 5	4°44	22° 6	F 9
S 10	15 8 47	18°43'06	7♍41	3°R28	12° 5	10°50	14°31	27°11	1°22	8°59	29°47	29°14	0° 2	4°51	22° 2	S 10
S 11	15 12 44	19°41'01	22° 0	3°24	13°15	11°36	14°26	27°18	1°25	9° 0	29°48	29°10	29♋59	4°57	21°59	S 11
M12	15 16 41	20°38'54	6♎24	3°15	14°26	12°21	14°21	27°26	1°29	9° 1	29°49	29° 4	29°56	5° 4	21°56	M12
T 13	15 20 37	21°36'46	20°47	3° 2	15°37	13° 7	14°16	27°33	1°32	9° 2	29°51	28°56	29°53	5°11	21°53	T 13
W14	15 24 34	22°34'36	5♏ 4	2°45	16°48	13°53	14°11	27°40	1°35	9° 2	29°52	28°46	29°50	5°17	21°50	W14
T 15	15 28 30	23°32'24	19°10	2°23	17°59	14°38	14° 6	27°47	1°38	9° 3	29°53	28°36	29°46	5°24	21°46	T 15
F 16	15 32 27	24°30'11	2♐59	1°59	19°10	15°24	14° 2	27°54	1°42	9° 4	29°54	28°26	29°43	5°31	21°43	F 16
S 17	15 36 23	25°27'56	16°28	1°31	20°21	16°10	13°58	28° 1	1°45	9° 5	29°56	28°18	29°40	5°37	21°39	S 17
S 18	15 40 20	26°25'41	29°35	1° 1	21°32	16°55	13°54	28° 8	1°48	9° 6	29°57	28°12	29°37	5°44	21°36	S 18
M19	15 44 16	27°23'24	12♑20	0°29	22°43	17°41	13°50	28°15	1°51	9° 7	29°58	28° 9	29°34	5°51	21°32	M19
T 20	15 48 13	28°21'05	24°46	29♉55	23°54	18°26	13°46	28°22	1°55	9° 8	29°59	28°D 8	29°30	5°57	21°29	T 20
W21	15 52 10	29°18'46	6♒55	29°21	25° 6	19°11	13°42	28°29	1°58	9° 8	0♉ 1	28° 8	29°27	6° 4	21°25	W21
T 22	15 56 6	0♊16'26	18°53	28°46	26°17	19°57	13°39	28°36	2° 1	9° 9	0° 2	28° 9	29°24	6°11	21°21	T 22
F 23	16 0 3	1°14'04	0♓45	28°12	27°28	20°42	13°35	28°43	2° 4	9°10	0° 3	28°R 9	29°21	6°17	21°17	F 23
S 24	16 3 59	2°11'42	12°35	27°39	28°39	21°27	13°32	28°50	2° 7	9°10	0° 4	28° 8	29°18	6°24	21°14	S 24
S 25	16 7 56	3° 9'19	24°29	27° 8	29°51	22°13	13°29	28°57	2°10	9°11	0° 6	28° 6	29°15	6°31	21°10	S 25
M26	16 11 52	4° 6'54	6♈31	26°39	1♉ 2	22°58	13°26	29° 3	2°13	9°11	0° 7	28° 2	29°11	6°37	21° 6	M26
T 27	16 15 49	5° 4'29	18°47	26°12	2°14	23°43	13°24	29°10	2°16	9°12	0° 8	27°55	29° 8	6°44	21° 2	T 27
W28	16 19 45	6° 2'03	1♉18	25°48	3°25	24°28	13°21	29°17	2°19	9°13	0° 9	27°47	29° 5	6°51	20°58	W28
T 29	16 23 42	6°59'36	14° 6	25°28	4°36	25°13	13°19	29°23	2°22	9°13	0°10	27°38	29° 2	6°57	20°54	T 29
F 30	16 27 39	7°57'08	27°12	25°11	5°48	25°58	13°17	29°30	2°25	9°13	0°11	27°29	28°59	7° 4	20°50	F 30
S 31	16 31 35	8♊54'39	10♊35	24♉58	7♉ 0	26♈43	13♎15	29♈37	2♉28	9♓14	0♉12	27♋22	28♋55	7♓11	20♐46	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	decl	lat
T 1	14n50	8n41	4s59	22n50	2n41	0s50	1s33	0n30	1s10	4s38	1n33	7n59	2s15	11n19	0s30	9s 1	0s48	4s 9	16s31	20n10	20n 3	12s45	17s26	5n49
F 2	15 8	12 45	4 45	22 57	2 38	0 23	1 35	0 48	1 10	4 36	1 33	8 1	2 15	11 20	0 30	9 1	0 48	4 9	16 31	20 13	20 4	12 43	17 25	5 50
S 3	15 26	16 17	4 16	23 1	2 35	0n 3	1 37	1 7	1 10	4 33	1 33	8 4	2 15	11 21	0 30	9 0	0 48	4 8	16 31	20 15	20 5	12 41	17 25	5 50
S 4	15 44	19 4	3 33	23 3	2 30	0 29	1 38	1 25	1 9	4 31	1 33	8 6	2 16	11 22	0 30	9 0	0 48	4 8	16 31	20 17	20 5	12 39	17 24	5 51
M 5	16 1	20 50	2 37	23 2	2 24	0 56	1 40	1 43	1 9	4 29	1 33	8 9	2 16	11 24	0 30	8 59	0 48	4 8	16 31	20 19	20 6	12 38	17 23	5 51
T 6	16 18	21 25	1 31	23 0	2 17	1 22	1 41	2 2	1 9	4 27	1 32	8 12	2 16	11 25	0 30	8 59	0 48	4 7	16 31	20 19	20 7	12 36	17 23	5 52
W 7	16 35	20 44	0 20	22 55	2 9	1 49	1 43	2 20	1 9	4 25	1 32	8 14	2 16	11 26	0 30	8 58	0 48	4 7	16 31	20 19	20 7	12 34	17 22	5 52
T 8	16 52	18 47	0n54	22 48	1 59	2 16	1 44	2 38	1 8	4 23	1 32	8 17	2 16	11 27	0 30	8 58	0 48	4 7	16 31	20 19	20 8	12 32	17 21	5 53
F 9	17 8	15 40	2 5	22 39	1 49	2 42	1 45	2 57	1 8	4 21	1 32	8 19	2 16	11 28	0 30	8 58	0 48	4 6	16 32	20 19	20 9	12 31	17 21	5 53
S 10	17 24	11 37	3 9	22 28	1 37	3 9	1 46	3 15	1 8	4 19	1 32	8 22	2 16	11 29	0 30	8 57	0 48	4 6	16 32	20 20	20 9	12 29	17 20	5 54
S 11	17 40	6 53	4 2	22 14	1 25	3 35	1 47	3 33	1 8	4 17	1 31	8 24	2 16	11 31	0 30	8 57	0 48	4 6	16 32	20 20	20 10	12 27	17 19	5 54
M12	17 56	1 44	4 40	21 59	1 11	4 2	1 48	3 51	1 8	4 15	1 31	8 27	2 16	11 32	0 30	8 57	0 48	4 5	16 32	20 22	20 11	12 25	17 19	5 55
T 13	18 11	3s29	5 0	21 43	0 57	4 29	1 49	4 9	1 7	4 14	1 31	8 29	2 16	11 33	0 30	8 56	0 48	4 5	16 32	20 23	20 11	12 23	17 18	5 55
W14	18 26	8 29	5 1	21 24	0 42	4 55	1 50	4 27	1 7	4 12	1 31	8 32	2 16	11 34	0 30	8 56	0 48	4 5	16 32	20 25	20 12	12 22	17 17	5 56
T 15	18 40	12 59	4 44	21 4	0 26	5 22	1 50	4 45	1 7	4 11	1 31	8 34	2 16	11 35	0 30	8 56	0 48	4 4	16 32	20 27	20 13	12 20	17 17	5 56
F 16	18 55	16 41	4 10	20 43	0 9	5 48	1 51	5 3	1 6	4 9	1 30	8 37	2 16	11 36	0 30	8 55	0 48	4 4	16 32	20 29	20 13	12 18	17 16	5 56
S 17	19 9	19 24	3 23	20 21	0s 8	6 14	1 51	5 21	1 6	4 8	1 30	8 39	2 16	11 37	0 30	8 55	0 48	4 4	16 32	20 31	20 14	12 16	17 15	5 57
S 18	19 22	21 1	2 26	19 58	0 25	6 40	1 52	5 38	1 6	4 6	1 30	8 42	2 17	11 38	0 30	8 55	0 48	4 3	16 33	20 32	20 15	12 14	17 15	5 57
M19	19 35	21 30	1 23	19 34	0 43	7 7	1 52	5 56	1 6	4 5	1 30	8 44	2 17	11 39	0 30	8 54	0 48	4 3	16 33	20 33	20 15	12 13	17 14	5 58
T 20	19 48	20 54	0 18	19 10	1 1	7 33	1 52	6 14	1 5	4 4	1 30	8 46	2 17	11 41	0 30	8 54	0 48	4 3	16 33	20 33	20 16	12 11	17 14	5 58
W21	20 1	19 19	0s47	18 45	1 18	7 58	1 52	6 31	1 5	4 2	1 29	8 49	2 17	11 42	0 30	8 54	0 49	4 2	16 33	20 33	20 17	12 9	17 13	5 59
T 22	20 13	16 54	1 49	18 21	1 35	8 24	1 52	6 49	1 5	4 1	1 29	8 51	2 17	11 43	0 30	8 54	0 49	4 2	16 33	20 33	20 17	12 7	17 12	5 59
F 23	20 25	13 48	2 46	17 58	1 52	8 50	1 52	7 6	1 4	4 0	1 29	8 53	2 17	11 44	0 30	8 53	0 49	4 2	16 33	20 33	20 18	12 5	17 12	5 59
S 24	20 37	10 9	3 35	17 35	2 8	9 15	1 52	7 23	1 4	3 59	1 29	8 56	2 17	11 45	0 30	8 53	0 49	4 2	16 33	20 33	20 19	12 3	17 11	6 0
S 25	20 48	6 6	4 16	17 13	2 23	9 41	1 52	7 40	1 3	3 58	1 28	8 58	2 17	11 46	0 30	8 53	0 49	4 1	16 34	20 33	20 19	12 2	17 10	6 0
M26	20 59	1 47	4 45	16 52	2 37	10 6	1 52	7 57	1 3	3 57	1 28	9 0	2 17	11 47	0 30	8 53	0 49	4 1	16 34	20 34	20 20	12 0	17 10	6 0
T 27	21 10	2n42	5 3	16 33	2 51	10 31	1 52	8 14	1 3	3 56	1 28	9 3	2 18	11 48	0 30	8 53	0 49	4 1	16 34	20 36	20 21	11 58	17 9	6 1
W28	21 20	7 9	5 6	16 15	3 3	10 55	1 51	8 31	1 2	3 56	1 28	9 5	2 18	11 49	0 30	8 53	0 49	4 1	16 34	20 37	20 21	11 56	17 9	6 1
T 29	21 30	11 24	4 54	16 0	3 14	11 20	1 51	8 48	1 2	3 55	1 27	9 7	2 18	11 50	0 30	8 52	0 49	4 1	16 34	20 39	20 22	11 54	17 8	6 1
F 30	21 39	15 13	4 27	15 46	3 24	11 44	1 50	9 5	1 2	3 55	1 27	9 9	2 18	11 51	0 30	8 52	0 49	4 0	16 35	20 41	20 23	11 52	17 8	6 2
S 31	21n48	18n21	3s44	15n34	3s33	12n 8	1s49	9n21	1s 1	3s54	1n27	9n11	2s18	11n52	0s30	8s52	0s49	4s 0	16s35	20n42	20n23	11s51	17s 7	6n 2

Julian Day Number = 2397243.5, Delta T = 9.71 sec
Ecliptic obliquity = 23°27'27, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°39'51, Lahiri = 21°46'52

ASTRODIENST EPHEMERIS for the year 1851
geocentric

JUNE 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 35 32	9♊52'09	24♊13	24°R50	8♉11	27♈28	13°R13	29♈43	2♉31	9♓14	0♉14	27°R16	28♋52	7♓17	20°R42	S 1
M 2	16 39 28	10°49'38	8♋ 4	24♉45	9°23	28°13	13♎11	29°49	2°34	9°15	0°15	27♋12	28°49	7°24	20♐38	M 2
T 3	16 43 25	11°47'05	22° 3	24°D45	10°34	28°57	13°10	29°56	2°37	9°15	0°16	27°D11	28°46	7°31	20°34	T 3
W 4	16 47 21	12°44'32	6♌ 9	24°49	11°46	29°42	13° 9	0♉ 2	2°40	9°15	0°17	27°11	28°43	7°37	20°30	W 4
T 5	16 51 18	13°41'58	20°18	24°58	12°58	0♉27	13° 8	0° 8	2°42	9°15	0°18	27°12	28°40	7°44	20°26	T 5
F 6	16 55 15	14°39'22	4♍29	25°12	14° 9	1°11	13° 7	0°15	2°45	9°16	0°19	27°13	28°36	7°51	20°22	F 6
S 7	16 59 11	15°36'45	18°40	25°30	15°21	1°56	13° 6	0°21	2°48	9°16	0°20	27°R14	28°33	7°57	20°18	S 7
S 8	17 3 8	16°34'07	2♎49	25°52	16°33	2°40	13° 6	0°27	2°51	9°16	0°21	27°13	28°30	8° 4	20°14	S 8
M 9	17 7 4	17°31'27	16°54	26°19	17°45	3°25	13° 5	0°33	2°53	9°16	0°22	27°10	28°27	8°11	20° 9	M 9
T 10	17 11 1	18°28'47	0♏54	26°50	18°56	4° 9	13°D 5	0°39	2°56	9°16	0°23	27° 5	28°24	8°17	20° 5	T 10
W11	17 14 57	19°26'06	14°44	27°25	20° 8	4°53	13° 5	0°45	2°59	9°16	0°24	27° 0	28°21	8°24	20° 1	W11
T 12	17 18 54	20°23'24	28°23	28° 4	21°20	5°37	13° 5	0°51	3° 1	9°R16	0°25	26°54	28°17	8°31	19°57	T 12
F 13	17 22 50	21°20'41	11♐48	28°48	22°32	6°21	13° 6	0°56	3° 4	9°16	0°26	26°49	28°14	8°37	19°53	F 13
S 14	17 26 47	22°17'58	24°57	29°36	23°44	7° 6	13° 6	1° 2	3° 6	9°16	0°27	26°44	28°11	8°44	19°49	S 14
S 15	17 30 44	23°15'14	7♑49	0♊27	24°56	7°50	13° 7	1° 8	3° 9	9°16	0°28	26°41	28° 8	8°51	19°45	S 15
M16	17 34 40	24°12'29	20°24	1°22	26° 8	8°34	13° 8	1°13	3°11	9°16	0°29	26°40	28° 5	8°57	19°41	M16
T 17	17 38 37	25° 9'45	2♒43	2°22	27°20	9°18	13° 9	1°19	3°14	9°16	0°30	26°D40	28° 1	9° 4	19°36	T 17
W18	17 42 33	26° 6'59	14°50	3°24	28°32	10° 1	13°11	1°24	3°16	9°16	0°30	26°41	27°58	9°11	19°32	W18
T 19	17 46 30	27° 4'14	26°47	4°31	29°44	10°45	13°12	1°30	3°18	9°16	0°31	26°42	27°55	9°18	19°28	T 19
F 20	17 50 26	28° 1'28	8♓39	5°41	0♊56	11°29	13°14	1°35	3°21	9°15	0°32	26°44	27°52	9°24	19°24	F 20
S 21	17 54 23	28°58'42	20°30	6°55	2° 8	12°13	13°15	1°40	3°23	9°15	0°33	26°45	27°49	9°31	19°20	S 21
S 22	17 58 19	29°55'55	2♈25	8°12	3°21	12°56	13°17	1°46	3°25	9°15	0°34	26°R45	27°46	9°38	19°16	S 22
M23	18 2 16	0♋53'09	14°29	9°33	4°33	13°40	13°20	1°51	3°28	9°14	0°35	26°45	27°42	9°44	19°12	M23
T 24	18 6 13	1°50'23	26°46	10°57	5°45	14°23	13°22	1°56	3°30	9°14	0°35	26°43	27°39	9°51	19° 8	T 24
W25	18 10 9	2°47'36	9♉20	12°25	6°57	15° 7	13°24	2° 1	3°32	9°14	0°36	26°40	27°36	9°58	19° 4	W25
T 26	18 14 6	3°44'50	22°14	13°56	8°10	15°50	13°27	2° 6	3°34	9°13	0°37	26°37	27°33	10° 4	19° 0	T 26
F 27	18 18 2	4°42'04	5♊30	15°30	9°22	16°33	13°30	2°11	3°36	9°13	0°38	26°33	27°30	10°11	18°56	F 27
S 28	18 21 59	5°39'17	19° 7	17° 8	10°34	17°16	13°33	2°15	3°38	9°12	0°38	26°31	27°27	10°18	18°53	S 28
S 29	18 25 55	6°36'31	3♋ 5	18°48	11°47	18° 0	13°36	2°20	3°40	9°12	0°39	26°29	27°23	10°24	18°49	S 29
M30	18 29 52	7♋33'44	17♋18	20♊32	12♊59	18♉43	13♎40	2♉25	3♉42	9♓11	0♉40	26♋27	27♋20	10♓31	18♐45	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	21n57	20n32	2s48	15n25	3s41	12n32	1s49	9n38	1s 1	3s54	1n27	9n13	2s18	11n53	0s30	8s52	0s49	4s 0	16s35	20n43	20n24	11s49	17s 7	6n	2
M 2	22 5	21 31	1 41	15 17	3 47	12 56	1 48	9 54	1 0	3 53	1 26	9 16	2 18	11 54	0 30	8 52	0 49	4 0	16 35	20 44	20 25	11 47	17 6	6	2
T 3	22 13	21 12	0 28	15 12	3 53	13 19	1 47	10 11	1 0	3 53	1 26	9 18	2 19	11 55	0 30	8 52	0 49	4 0	16 35	20 44	20 25	11 45	17 5	6	3
W 4	22 21	19 32	0n48	15 9	3 57	13 42	1 46	10 27	0 59	3 53	1 26	9 20	2 19	11 56	0 30	8 52	0 49	3 59	16 36	20 44	20 26	11 43	17 5	6	3
T 5	22 28	16 39	2 2	15 9	4 0	14 4	1 45	10 43	0 59	3 52	1 25	9 22	2 19	11 57	0 30	8 52	0 49	3 59	16 36	20 44	20 27	11 41	17 4	6	3
F 6	22 34	12 48	3 8	15 10	4 2	14 27	1 44	10 59	0 59	3 52	1 25	9 24	2 19	11 58	0 30	8 52	0 49	3 59	16 36	20 44	20 27	11 39	17 4	6	3
S 7	22 41	8 13	4 3	15 13	4 2	14 49	1 43	11 15	0 58	3 52	1 25	9 26	2 19	11 59	0 30	8 52	0 49	3 59	16 36	20 44	20 28	11 37	17 3	6	4
S 8	22 47	3 12	4 43	15 19	4 2	15 11	1 41	11 30	0 58	3 52	1 25	9 28	2 19	12 0	0 30	8 52	0 49	3 59	16 36	20 44	20 29	11 36	17 3	6	4
M 9	22 52	1s57	5 5	15 26	4 1	15 32	1 40	11 46	0 57	3 53	1 24	9 30	2 19	12 1	0 30	8 52	0 49	3 59	16 37	20 45	20 29	11 34	17 2	6	4
T 10	22 57	6 57	5 10	15 35	3 59	15 53	1 39	12 1	0 57	3 53	1 24	9 32	2 20	12 2	0 30	8 52	0 49	3 59	16 37	20 45	20 30	11 32	17 2	6	4
W11	23 2	11 33	4 56	15 46	3 56	16 14	1 37	12 17	0 56	3 53	1 24	9 33	2 20	12 2	0 30	8 52	0 49	3 59	16 37	20 46	20 31	11 30	17 2	6	4
T 12	23 7	15 30	4 25	15 59	3 52	16 34	1 36	12 32	0 56	3 53	1 24	9 35	2 20	12 3	0 30	8 52	0 49	3 59	16 37	20 48	20 31	11 28	17 1	6	4
F 13	23 10	18 35	3 40	16 13	3 47	16 54	1 34	12 47	0 55	3 54	1 23	9 37	2 20	12 4	0 30	8 52	0 49	3 58	16 38	20 49	20 32	11 26	17 1	6	5
S 14	23 14	20 37	2 44	16 29	3 41	17 14	1 33	13 2	0 55	3 54	1 23	9 39	2 20	12 5	0 30	8 52	0 49	3 58	16 38	20 49	20 32	11 24	17 0	6	5
S 15	23 17	21 33	1 41	16 45	3 35	17 33	1 31	13 17	0 54	3 55	1 23	9 41	2 20	12 6	0 30	8 52	0 49	3 58	16 38	20 50	20 33	11 22	17 0	6	5
M16	23 20	21 21	0 34	17 3	3 28	17 51	1 29	13 31	0 54	3 55	1 23	9 43	2 21	12 7	0 30	8 52	0 49	3 58	16 38	20 50	20 34	11 20	16 59	6	5
T 17	23 22	20 6	0s33	17 22	3 20	18 10	1 27	13 46	0 53	3 56	1 22	9 44	2 21	12 7	0 30	8 52	0 50	3 58	16 39	20 50	20 34	11 19	16 59	6	5
W18	23 24	17 57	1 38	17 42	3 12	18 27	1 26	14 0	0 52	3 57	1 22	9 46	2 21	12 8	0 30	8 52	0 50	3 58	16 39	20 50	20 35	11 17	16 59	6	5
T 19	23 25	15 4	2 38	18 3	3 3	18 45	1 24	14 14	0 52	3 58	1 22	9 48	2 21	12 9	0 30	8 52	0 50	3 58	16 39	20 50	20 36	11 15	16 58	6	5
F 20	23 27	11 35	3 30	18 25	2 54	19 2	1 22	14 28	0 51	3 59	1 21	9 49	2 21	12 10	0 30	8 52	0 50	3 58	16 40	20 50	20 36	11 13	16 58	6	5
S 21	23 27	7 39	4 14	18 47	2 44	19 18	1 20	14 42	0 51	3 59	1 21	9 51	2 22	12 11	0 30	8 52	0 50	3 58	16 40	20 49	20 37	11 11	16 58	6	5
S 22	23 27	3 25	4 46	19 9	2 34	19 34	1 18	14 56	0 50	4 0	1 21	9 53	2 22	12 11	0 30	8 53	0 50	3 58	16 40	20 49	20 37	11 9	16 57	6	5
M23	23 27	0n59	5 7	19 32	2 23	19 49	1 16	15 10	0 50	4 2	1 21	9 54	2 22	12 12	0 30	8 53	0 50	3 58	16 40	20 49	20 38	11 7	16 57	6	5
T 24	23 27	5 26	5 14	19 55	2 12	20 4	1 14	15 23	0 49	4 3	1 20	9 56	2 22	12 13	0 30	8 53	0 50	3 58	16 41	20 50	20 39	11 5	16 57	6	5
W25	23 26	9 46	5 7	20 18	2 1	20 19	1 12	15 36	0 48	4 4	1 20	9 57	2 22	12 14	0 30	8 53	0 50	3 58	16 41	20 50	20 39	11 3	16 56	6	5
T 26	23 24	13 46	4 44	20 41	1 49	20 33	1 9	15 50	0 48	4 5	1 20	9 59	2 23	12 14	0 30	8 53	0 50	3 58	16 41	20 51	20 40	11 1	16 56	6	5
F 27	23 22	17 13	4 5	21 3	1 38	20 46	1 7	16 3	0 47	4 7	1 20	10 0	2 23	12 15	0 30	8 54	0 50	3 58	16 42	20 52	20 41	10 59	16 56	6	5
S 28	23 20	19 50	3 11	21 25	1 25	20 59	1 5	16 15	0 47	4 8	1 19	10 2	2 23	12 16	0 30	8 54	0 50	3 58	16 42	20 52	20 41	10 57	16 55	6	5
S 29	23 18	21 20	2 5	21 46	1 13	21 11	1 3	16 28	0 46	4 9	1 19	10 3	2 23	12 16	0 30	8 54	0 50	3 58	16 42	20 52	20 42	10 55	16 55	6	5
M30	23n14	21n30	0s50	22n 6	1s 1	21n23	1s 0	16n41	0s45	4s11	1n19	10n 4	2s23	12n17	0s30	8s54	0s50	3s58	16s42	20n53	20n42	10s53	16s55	6n	5

Julian Day Number = 2397274.5, Delta T = 9.74 sec
Ecliptic obliquity = 23°27'26, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°39'56, Lahiri = 21°46'56

ASTRODIENST EPHEMERIS for the year 1851
geocentric

JULY 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 33 48	8♋30'57	1♌43	22♊19	14♊12	19♉26	13♎43	2♉29	3♉44	9°R11	0♉40	26°D27	27♋17	10♓38	18°R41	T 1
W 2	18 37 45	9°28'11	16°15	24° 9	15°24	20° 8	13°47	2°34	3°46	9♓10	0°41	26♋28	27°14	10°44	18♐37	W 2
T 3	18 41 42	10°25'23	0♍47	26° 2	16°37	20°51	13°51	2°38	3°47	9° 9	0°41	26°29	27°11	10°51	18°34	T 3
F 4	18 45 38	11°22'36	15°15	27°58	17°49	21°34	13°55	2°42	3°49	9° 9	0°42	26°30	27° 7	10°58	18°30	F 4
S 5	18 49 35	12°19'48	29°36	29°56	19° 2	22°17	13°59	2°46	3°51	9° 8	0°43	26°31	27° 4	11° 4	18°27	S 5
S 6	18 53 31	13°17'00	13♎45	1♋56	20°14	22°59	14° 3	2°51	3°53	9° 7	0°43	26°R31	27° 1	11°11	18°23	S 6
M 7	18 57 28	14°14'12	27°42	3°58	21°27	23°42	14° 8	2°55	3°54	9° 7	0°44	26°31	26°58	11°18	18°20	M 7
T 8	19 1 24	15°11'23	11♏25	6° 2	22°40	24°24	14°12	2°59	3°56	9° 6	0°44	26°30	26°55	11°24	18°16	T 8
W 9	19 5 21	16° 8'35	24°54	8° 8	23°52	25° 7	14°17	3° 2	3°57	9° 5	0°45	26°29	26°52	11°31	18°13	W 9
T 10	19 9 17	17° 5'46	8♐ 9	10°15	25° 5	25°49	14°22	3° 6	3°59	9° 4	0°45	26°28	26°48	11°38	18°10	T 10
F 11	19 13 14	18° 2'58	21°10	12°23	26°18	26°31	14°27	3°10	4° 0	9° 3	0°45	26°27	26°45	11°45	18° 6	F 11
S 12	19 17 11	19° 0'10	3♑56	14°32	27°30	27°13	14°32	3°14	4° 2	9° 2	0°46	26°26	26°42	11°51	18° 3	S 12
S 13	19 21 7	19°57'22	16°30	16°41	28°43	27°55	14°38	3°17	4° 3	9° 1	0°46	26°25	26°39	11°58	18° 0	S 13
M14	19 25 4	20°54'34	28°51	18°50	29°56	28°37	14°43	3°21	4° 5	9° 1	0°47	26°D25	26°36	12° 5	17°57	M14
T 15	19 29 0	21°51'47	11♒ 1	20°59	1♋ 9	29°19	14°49	3°24	4° 6	9° 0	0°47	26°25	26°33	12°11	17°54	T 15
W16	19 32 57	22°49'00	23° 2	23° 7	2°22	0♊ 1	14°55	3°27	4° 7	8°59	0°47	26°26	26°29	12°18	17°51	W16
T 17	19 36 53	23°46'13	4♓57	25°15	3°35	0°43	15° 1	3°30	4° 8	8°58	0°48	26°26	26°26	12°25	17°48	T 17
F 18	19 40 50	24°43'28	16°48	27°22	4°48	1°25	15° 7	3°33	4° 9	8°57	0°48	26°26	26°23	12°31	17°45	F 18
S 19	19 44 46	25°40'42	28°38	29°27	6° 1	2° 6	15°13	3°36	4°11	8°55	0°48	26°27	26°20	12°38	17°42	S 19
S 20	19 48 43	26°37'58	10♈33	1♌32	7°14	2°48	15°20	3°39	4°12	8°54	0°49	26°R27	26°17	12°45	17°40	S 20
M21	19 52 40	27°35'14	22°36	3°35	8°27	3°29	15°26	3°42	4°13	8°53	0°49	26°D27	26°13	12°51	17°37	M21
T 22	19 56 36	28°32'32	4♉51	5°37	9°40	4°11	15°33	3°45	4°14	8°52	0°49	26°27	26°10	12°58	17°35	T 22
W23	20 0 33	29°29'50	17°24	7°37	10°53	4°52	15°40	3°47	4°15	8°51	0°49	26°27	26° 7	13° 5	17°32	W23
T 24	20 4 29	0♌27'09	0♊17	9°36	12° 6	5°33	15°47	3°50	4°15	8°50	0°49	26°27	26° 4	13°11	17°30	T 24
F 25	20 8 26	1°24'29	13°34	11°33	13°19	6°14	15°54	3°52	4°16	8°49	0°50	26°27	26° 1	13°18	17°27	F 25
S 26	20 12 22	2°21'50	27°16	13°29	14°33	6°55	16° 1	3°55	4°17	8°47	0°50	26°28	25°58	13°25	17°25	S 26
S 27	20 16 19	3°19'12	11♋23	15°23	15°46	7°36	16° 8	3°57	4°18	8°46	0°50	26°28	25°54	13°32	17°23	S 27
M28	20 20 15	4°16'35	25°51	17°15	16°59	8°17	16°16	3°59	4°18	8°45	0°50	26°R29	25°51	13°38	17°21	M28
T 29	20 24 12	5°13'59	10♌37	19° 6	18°12	8°58	16°23	4° 1	4°19	8°44	0°50	26°28	25°48	13°45	17°19	T 29
W30	20 28 9	6°11'23	25°32	20°54	19°26	9°38	16°31	4° 3	4°20	8°42	0°50	26°28	25°45	13°52	17°17	W30
T 31	20 32 5	7♌ 8'48	10♍29	22♌42	20♋39	10♊19	16♎39	4♉ 5	4♉20	8♓41	0♉50	26♋27	25♋42	13♓58	17♐15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n11	20n16	0n29	22n25	0s49	21n34	0s58	16n53	0s45	4s13	1n19	10n 6	2s24	12n18	0s31	8s54	0s50	3s58	16s43	20n53	20n43	10s51	16s55	6n 5
W 2	23 7	17 41	1 47	22 43	0 37	21 44	0 55	17 5	0 44	4 14	1 18	10 7	2 24	12 18	0 31	8 55	0 50	3 59	16 43	20 53	20 44	10 50	16 54	6 5
T 3	23 3	13 59	2 59	22 59	0 25	21 54	0 53	17 17	0 43	4 16	1 18	10 8	2 24	12 19	0 31	8 55	0 50	3 59	16 43	20 52	20 44	10 48	16 54	6 5
F 4	22 58	9 28	3 58	23 14	0 13	22 3	0 51	17 29	0 43	4 18	1 18	10 10	2 24	12 19	0 31	8 55	0 50	3 59	16 44	20 52	20 45	10 46	16 54	6 5
S 5	22 53	4 29	4 42	23 26	0 1	22 12	0 48	17 40	0 42	4 20	1 18	10 11	2 24	12 20	0 31	8 56	0 50	3 59	16 44	20 52	20 46	10 44	16 54	6 5
S 6	22 48	0s41	5 9	23 37	0n10	22 20	0 46	17 52	0 42	4 22	1 17	10 12	2 25	12 20	0 31	8 56	0 50	3 59	16 44	20 52	20 46	10 42	16 54	6 5
M 7	22 42	5 44	5 16	23 45	0 21	22 28	0 43	18 3	0 41	4 24	1 17	10 13	2 25	12 21	0 31	8 56	0 50	3 59	16 45	20 52	20 47	10 40	16 53	6 5
T 8	22 36	10 25	5 6	23 51	0 32	22 35	0 41	18 14	0 40	4 26	1 17	10 14	2 25	12 21	0 31	8 56	0 50	3 59	16 45	20 52	20 47	10 38	16 53	6 4
W 9	22 29	14 30	4 39	23 54	0 41	22 41	0 38	18 25	0 39	4 28	1 17	10 15	2 25	12 22	0 31	8 57	0 50	3 59	16 45	20 52	20 48	10 36	16 53	6 4
T 10	22 22	17 47	3 57	23 54	0 51	22 46	0 36	18 36	0 39	4 30	1 16	10 17	2 26	12 22	0 31	8 57	0 50	4 0	16 46	20 53	20 49	10 34	16 53	6 4
F 11	22 14	20 7	3 3	23 52	1 0	22 51	0 33	18 46	0 38	4 32	1 16	10 18	2 26	12 23	0 31	8 58	0 50	4 0	16 46	20 53	20 49	10 32	16 53	6 4
S 12	22 7	21 22	2 1	23 47	1 8	22 56	0 30	18 57	0 37	4 34	1 16	10 19	2 26	12 23	0 31	8 58	0 50	4 0	16 46	20 53	20 50	10 30	16 53	6 4
S 13	21 58	21 32	0 55	23 39	1 15	22 59	0 28	19 7	0 37	4 37	1 16	10 20	2 26	12 24	0 31	8 58	0 50	4 0	16 46	20 53	20 50	10 28	16 53	6 4
M14	21 50	20 38	0s13	23 29	1 22	23 2	0 25	19 17	0 36	4 39	1 15	10 20	2 27	12 24	0 31	8 59	0 50	4 0	16 47	20 53	20 51	10 26	16 53	6 3
T 15	21 41	18 46	1 20	23 16	1 28	23 4	0 23	19 27	0 35	4 41	1 15	10 21	2 27	12 25	0 31	8 59	0 50	4 0	16 47	20 53	20 52	10 24	16 53	6 3
W16	21 32	16 5	2 22	23 0	1 33	23 6	0 20	19 37	0 34	4 44	1 15	10 22	2 27	12 25	0 31	8 59	0 51	4 1	16 47	20 53	20 52	10 22	16 52	6 3
T 17	21 22	12 46	3 18	22 42	1 37	23 7	0 17	19 46	0 34	4 46	1 15	10 23	2 27	12 26	0 31	9 0	0 51	4 1	16 48	20 53	20 53	10 20	16 52	6 3
F 18	21 12	8 58	4 5	22 21	1 41	23 7	0 15	19 55	0 33	4 49	1 14	10 24	2 27	12 26	0 31	9 0	0 51	4 1	16 48	20 53	20 54	10 18	16 52	6 3
S 19	21 1	4 50	4 41	21 58	1 44	23 7	0 12	20 4	0 32	4 52	1 14	10 25	2 28	12 26	0 31	9 1	0 51	4 1	16 48	20 53	20 54	10 16	16 52	6 2
S 20	20 51	0 30	5 5	21 33	1 46	23 6	0 10	20 13	0 31	4 54	1 14	10 25	2 28	12 27	0 31	9 1	0 51	4 1	16 49	20 53	20 55	10 14	16 52	6 2
M21	20 40	3n54	5 17	21 6	1 47	23 4	0 7	20 22	0 31	4 57	1 14	10 26	2 28	12 27	0 31	9 2	0 51	4 2	16 49	20 53	20 55	10 12	16 52	6 2
T 22	20 28	8 13	5 14	20 37	1 48	23 2	0 5	20 30	0 30	5 0	1 13	10 27	2 28	12 27	0 31	9 2	0 51	4 2	16 49	20 53	20 56	10 10	16 52	6 2
W23	20 16	12 18	4 56	20 7	1 48	22 59	0 2	20 39	0 29	5 3	1 13	10 27	2 29	12 28	0 31	9 3	0 51	4 2	16 50	20 53	20 57	10 8	16 53	6 1
T 24	20 4	15 55	4 24	19 35	1 47	22 55	0n 1	20 47	0 28	5 6	1 13	10 28	2 29	12 28	0 31	9 3	0 51	4 2	16 50	20 53	20 57	10 6	16 53	6 1
F 25	19 52	18 52	3 36	19 2	1 46	22 51	0 3	20 55	0 28	5 8	1 13	10 29	2 29	12 28	0 31	9 3	0 51	4 3	16 50	20 53	20 58	10 4	16 53	6 1
S 26	19 39	20 51	2 35	18 27	1 44	22 46	0 6	21 3	0 27	5 11	1 12	10 29	2 29	12 28	0 31	9 4	0 51	4 3	16 51	20 53	20 58	10 2	16 53	6 1
S 27	19 26	21 36	1 23	17 51	1 42	22 40	0 8	21 10	0 26	5 14	1 12	10 30	2 30	12 29	0 31	9 4	0 51	4 3	16 51	20 53	20 59	10 0	16 53	6 0
M28	19 12	20 56	0 3	17 15	1 39	22 33	0 11	21 17	0 25	5 18	1 12	10 30	2 30	12 29	0 31	9 5	0 51	4 4	16 51	20 52	20 59	9 58	16 53	6 0
T 29	18 58	18 50	1n18	16 37	1 35	22 26	0 13	21 25	0 24	5 21	1 12	10 31	2 30	12 29	0 31	9 5	0 51	4 4	16 52	20 53	21 0	9 55	16 53	6 0
W30	18 44	15 26	2 34	15 58	1 31	22 19	0 16	21 32	0 24	5 24	1 12	10 31	2 31	12 29	0 31	9 6	0 51	4 4	16 52	20 53	21 1	9 53	16 53	5 59
T 31	18n30	11n 2	3n40	15n19	1n27	22n10	0n18	21n38	0s23	5s27	1n11	10n31	2s31	12n29	0s31	9s 6	0s51	4s 4	16s52	20n53	21n 1	9s51	16s53	5n59

Julian Day Number = 2397304.5, Delta T = 9.77 sec
Ecliptic obliquity = 23°27'26, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°40'00, Lahiri = 21°47'00

ASTRODIENST EPHEMERIS for the year 1851
geocentric

AUGUST 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 36 2	8♌ 6'14	25♍19	24♌27	21♋53	11♊ 0	16♎47	4♉ 6	4♉21	8°R40	0°R50	26°R25	25♋39	14♓ 5	17°R13	F 1
S 2	20 39 58	9° 3'40	9♎56	26°11	23° 6	11°40	16°55	4° 8	4°21	8♓38	0♉50	26♋24	25°35	14°12	17♐12	S 2
S 3	20 43 55	10° 1'07	24°16	27°54	24°19	12°20	17° 3	4°10	4°21	8°37	0°50	26°23	25°32	14°18	17°10	S 3
M 4	20 47 51	10°58'35	8♏14	29°34	25°33	13° 0	17°11	4°11	4°22	8°35	0°50	26°D23	25°29	14°25	17° 8	M 4
T 5	20 51 48	11°56'03	21°52	1♍13	26°47	13°40	17°20	4°12	4°22	8°34	0°50	26°23	25°26	14°32	17° 7	T 5
W 6	20 55 44	12°53'33	5♐ 8	2°51	28° 0	14°20	17°28	4°13	4°22	8°33	0°50	26°24	25°23	14°38	17° 6	W 6
T 7	20 59 41	13°51'03	18° 7	4°27	29°14	15° 0	17°37	4°15	4°22	8°31	0°50	26°25	25°19	14°45	17° 4	T 7
F 8	21 3 38	14°48'34	0♑49	6° 1	0♌27	15°40	17°46	4°16	4°22	8°30	0°50	26°26	25°16	14°52	17° 3	F 8
S 9	21 7 34	15°46'06	13°17	7°34	1°41	16°20	17°55	4°16	4°23	8°28	0°49	26°27	25°13	14°58	17° 2	S 9
S 10	21 11 31	16°43'38	25°34	9° 5	2°55	16°59	18° 4	4°17	4°R23	8°27	0°49	26°R28	25°10	15° 5	17° 1	S 10
M11	21 15 27	17°41'12	7♒41	10°34	4° 8	17°39	18°13	4°18	4°23	8°25	0°49	26°27	25° 7	15°12	17° 0	M11
T 12	21 19 24	18°38'47	19°42	12° 2	5°22	18°18	18°22	4°18	4°23	8°24	0°49	26°26	25° 4	15°19	16°59	T 12
W13	21 23 20	19°36'24	1♓37	13°28	6°36	18°58	18°31	4°19	4°22	8°22	0°49	26°23	25° 0	15°25	16°59	W13
T 14	21 27 17	20°34'01	13°28	14°53	7°50	19°37	18°41	4°19	4°22	8°21	0°48	26°20	24°57	15°32	16°58	T 14
F 15	21 31 13	21°31'40	25°19	16°15	9° 3	20°16	18°50	4°20	4°22	8°19	0°48	26°16	24°54	15°39	16°57	F 15
S 16	21 35 10	22°29'20	7♈10	17°36	10°17	20°55	19° 0	4°20	4°22	8°17	0°48	26°11	24°51	15°45	16°57	S 16
S 17	21 39 7	23°27'02	19° 6	18°56	11°31	21°34	19° 9	4°R20	4°21	8°16	0°47	26° 7	24°48	15°52	16°57	S 17
M18	21 43 3	24°24'45	1♉ 9	20°13	12°45	22°13	19°19	4°20	4°21	8°14	0°47	26° 4	24°45	15°59	16°56	M18
T 19	21 47 0	25°22'30	13°23	21°29	13°59	22°52	19°29	4°19	4°21	8°13	0°47	26° 2	24°41	16° 5	16°56	T 19
W20	21 50 56	26°20'17	25°52	22°43	15°13	23°30	19°39	4°19	4°20	8°11	0°46	26°D 1	24°38	16°12	16°56	W20
T 21	21 54 53	27°18'05	8♊40	23°54	16°27	24° 9	19°49	4°19	4°20	8° 9	0°46	26° 2	24°35	16°19	16°D56	T 21
F 22	21 58 49	28°15'55	21°51	25° 4	17°41	24°47	19°59	4°18	4°19	8° 8	0°45	26° 3	24°32	16°25	16°56	F 22
S 23	22 2 46	29°13'47	5♋28	26°12	18°55	25°25	20° 9	4°18	4°19	8° 6	0°45	26° 5	24°29	16°32	16°56	S 23
S 24	22 6 42	0♍11'41	19°33	27°17	20° 9	26° 3	20°20	4°17	4°18	8° 5	0°45	26°R 6	24°25	16°39	16°56	S 24
M25	22 10 39	1° 9'36	4♌ 4	28°20	21°24	26°41	20°30	4°16	4°17	8° 3	0°44	26° 6	24°22	16°46	16°57	M25
T 26	22 14 36	2° 7'33	18°56	29°20	22°38	27°19	20°41	4°15	4°16	8° 1	0°44	26° 4	24°19	16°52	16°57	T 26
W27	22 18 32	3° 5'32	4♍ 5	0♎18	23°52	27°57	20°51	4°14	4°16	8° 0	0°43	26° 1	24°16	16°59	16°58	W27
T 28	22 22 29	4° 3'32	19°19	1°13	25° 6	28°35	21° 2	4°13	4°15	7°58	0°42	25°56	24°13	17° 6	16°58	T 28
F 29	22 26 25	5° 1'34	4♎28	2° 5	26°20	29°12	21°13	4°12	4°14	7°56	0°42	25°50	24°10	17°12	16°59	F 29
S 30	22 30 22	5°59'37	19°24	2°54	27°35	29°50	21°23	4°11	4°13	7°55	0°41	25°45	24° 6	17°19	17° 0	S 30
S 31	22 34 18	6♍57'42	3♏57	3♎40	28♌49	0♋27	21♎34	4♉ 9	4♉12	7♓53	0♉41	25♋40	24♋ 3	17♓26	17♐ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	18n15	6n 0	4n31	14n40	1n22	22n 1	0n21	21n45	0s22	5s30	1n11	10n32	2s31	12n29	0s31	9s 7	0s51	4s 5	16s53	20n53	21n 2	9s49	16s53	5n59	F 1
S 2	18 0	0 43	5 4	14 0	1 16	21 51	0 23	21 51	0 21	5 34	1 11	10 32	2 31	12 30	0 31	9 8	0 51	4 5	16 53	20 53	21 2	9 47	16 54	5 58	S 2
S 3	17 45	4s31	5 16	13 19	1 10	21 41	0 25	21 57	0 20	5 37	1 11	10 32	2 32	12 30	0 31	9 8	0 51	4 5	16 53	20 54	21 3	9 45	16 54	5 58	S 3
M 4	17 29	9 22	5 10	12 38	1 4	21 30	0 28	22 3	0 19	5 40	1 11	10 32	2 32	12 30	0 31	9 9	0 51	4 6	16 54	20 54	21 4	9 43	16 54	5 58	M 4
T 5	17 14	13 38	4 46	11 57	0 58	21 19	0 30	22 9	0 18	5 44	1 10	10 33	2 32	12 30	0 31	9 9	0 51	4 6	16 54	20 54	21 4	9 41	16 54	5 57	T 5
W 6	16 57	17 7	4 7	11 16	0 51	21 6	0 32	22 15	0 18	5 47	1 10	10 33	2 32	12 30	0 31	9 10	0 51	4 6	16 54	20 53	21 5	9 39	16 54	5 57	W 6
T 7	16 41	19 40	3 16	10 34	0 44	20 54	0 35	22 20	0 17	5 51	1 10	10 33	2 33	12 30	0 31	9 10	0 51	4 7	16 55	20 53	21 5	9 37	16 55	5 57	T 7
F 8	16 24	21 10	2 17	9 53	0 37	20 40	0 37	22 25	0 16	5 54	1 10	10 33	2 33	12 30	0 31	9 11	0 51	4 7	16 55	20 53	21 6	9 35	16 55	5 56	F 8
S 9	16 7	21 36	1 12	9 11	0 29	20 26	0 39	22 30	0 15	5 58	1 10	10 33	2 33	12 30	0 31	9 11	0 51	4 7	16 55	20 53	21 6	9 33	16 55	5 56	S 9
S 10	15 50	20 58	0 5	8 30	0 21	20 12	0 41	22 35	0 14	6 1	1 9	10 33	2 33	12 30	0 31	9 12	0 51	4 8	16 56	20 53	21 7	9 31	16 55	5 56	S 10
M11	15 33	19 21	1s 1	7 48	0 13	19 56	0 43	22 40	0 13	6 5	1 9	10 33	2 34	12 30	0 31	9 13	0 51	4 8	16 56	20 53	21 8	9 29	16 56	5 55	M11
T 12	15 15	16 53	2 4	7 7	0 4	19 41	0 45	22 44	0 12	6 9	1 9	10 33	2 34	12 30	0 31	9 13	0 51	4 9	16 56	20 53	21 8	9 27	16 56	5 55	T 12
W13	14 57	13 44	3 1	6 26	0s 4	19 24	0 47	22 49	0 11	6 12	1 9	10 33	2 34	12 30	0 31	9 14	0 51	4 9	16 57	20 53	21 9	9 24	16 56	5 54	W13
T 14	14 39	10 3	3 50	5 46	0 13	19 7	0 49	22 53	0 10	6 16	1 9	10 33	2 34	12 30	0 31	9 14	0 51	4 9	16 57	20 54	21 9	9 22	16 57	5 54	T 14
F 15	14 20	5 59	4 29	5 5	0 22	18 50	0 51	22 57	0 9	6 20	1 8	10 33	2 35	12 30	0 31	9 15	0 51	4 10	16 57	20 55	21 10	9 20	16 57	5 54	F 15
S 16	14 2	1 41	4 56	4 25	0 31	18 32	0 53	23 0	0 9	6 24	1 8	10 32	2 35	12 30	0 31	9 16	0 51	4 10	16 58	20 56	21 11	9 18	16 57	5 53	S 16
S 17	13 43	2n41	5 11	3 46	0 40	18 13	0 55	23 4	0 8	6 27	1 8	10 32	2 35	12 29	0 31	9 16	0 51	4 11	16 58	20 56	21 11	9 16	16 58	5 53	S 17
M18	13 24	7 0	5 12	3 7	0 50	17 54	0 57	23 7	0 7	6 31	1 8	10 32	2 35	12 29	0 31	9 17	0 51	4 11	16 58	20 57	21 12	9 14	16 58	5 52	M18
T 19	13 4	11 7	4 59	2 28	0 59	17 35	0 59	23 10	0 6	6 35	1 8	10 32	2 36	12 29	0 31	9 17	0 51	4 11	16 59	20 57	21 12	9 12	16 58	5 52	T 19
W20	12 45	14 50	4 32	1 50	1 9	17 15	1 0	23 13	0 5	6 39	1 8	10 31	2 36	12 29	0 31	9 18	0 51	4 12	16 59	20 58	21 13	9 10	16 59	5 52	W20
T 21	12 25	17 58	3 51	1 13	1 18	16 54	1 2	23 16	0 4	6 43	1 7	10 31	2 36	12 29	0 31	9 19	0 51	4 12	16 59	20 57	21 13	9 8	16 59	5 51	T 21
F 22	12 5	20 16	2 56	0 37	1 28	16 33	1 4	23 18	0 3	6 47	1 7	10 31	2 36	12 29	0 31	9 19	0 51	4 13	17 0	20 57	21 14	9 6	17 0	5 51	F 22
S 23	11 45	21 30	1 50	0 1	1 38	16 12	1 5	23 21	0 2	6 51	1 7	10 30	2 37	12 28	0 31	9 20	0 51	4 13	17 0	20 57	21 14	9 3	17 0	5 50	S 23
S 24	11 25	21 27	0 36	0s34	1 48	15 50	1 7	23 23	0 1	6 55	1 7	10 30	2 37	12 28	0 32	9 21	0 51	4 13	17 0	20 57	21 15	9 1	17 1	5 50	S 24
M25	11 4	19 57	0n43	1 8	1 57	15 28	1 8	23 25	0n 0	6 59	1 7	10 29	2 37	12 28	0 32	9 21	0 51	4 14	17 0	20 57	21 16	8 59	17 1	5 50	M25
T 26	10 44	17 5	2 1	1 41	2 7	15 5	1 10	23 27	0 1	7 3	1 7	10 29	2 38	12 28	0 32	9 22	0 51	4 14	17 1	20 57	21 16	8 57	17 1	5 49	T 26
W27	10 23	13 0	3 12	2 13	2 17	14 42	1 11	23 29	0 2	7 7	1 6	10 28	2 38	12 27	0 32	9 22	0 51	4 15	17 1	20 58	21 17	8 55	17 2	5 49	W27
T 28	10 2	8 3	4 9	2 43	2 26	14 18	1 12	23 30	0 3	7 11	1 6	10 27	2 38	12 27	0 32	9 23	0 51	4 15	17 1	20 59	21 17	8 53	17 2	5 48	T 28
F 29	9 41	2 38	4 49	3 13	2 36	13 54	1 14	23 32	0 4	7 16	1 6	10 27	2 38	12 27	0 32	9 24	0 51	4 16	17 2	21 0	21 18	8 51	17 3	5 48	F 29
S 30	9 19	2s50	5 8	3 41	2 45	13 30	1 15	23 33	0 5	7 20	1 6	10 26	2 38	12 26	0 32	9 24	0 52	4 16	17 2	21 1	21 18	8 49	17 3	5 48	S 30
S 31	8n58	8s 2	5n 7	4s 7	2s54	13n 5	1n16	23n34	0n 6	7s24	1n 6	10n25	2s39	12n26	0s32	9s25	0s52	4s17	17s 2	21n 2	21n19	8s46	17s 4	5n47	S 31

Julian Day Number = 2397335.5, Delta T = 9.80 sec
Ecliptic obliquity = 23°27'27, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°40'04, Lahiri = 21°47'04

ASTRODIENST EPHEMERIS for the year 1851
geocentric

SEPTEMBER 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 38 15	7♍55'48	18♏ 5	4♎22	0♍ 3	1♋ 4	21♎45	4°R 8	4°R11	7°R51	0°R40	25°R36	24♋ 0	17♓32	17♐ 2	M 1
T 2	22 42 11	8°53'55	1♐45	5° 1	1°18	1°41	21°56	4♉ 6	4♉10	7♓50	0♉40	25♋35	23°57	17°39	17° 3	T 2
W 3	22 46 8	9°52'04	14°59	5°35	2°32	2°18	22° 8	4° 4	4° 9	7°48	0°39	25°D34	23°54	17°46	17° 4	W 3
T 4	22 50 5	10°50'14	27°50	6° 5	3°46	2°55	22°19	4° 3	4° 8	7°47	0°38	25°35	23°50	17°53	17° 5	T 4
F 5	22 54 1	11°48'26	10♑22	6°31	5° 1	3°32	22°30	4° 1	4° 6	7°45	0°38	25°37	23°47	17°59	17° 7	F 5
S 6	22 57 58	12°46'39	22°38	6°51	6°15	4° 8	22°41	3°59	4° 5	7°43	0°37	25°R38	23°44	18° 6	17° 8	S 6
S 7	23 1 54	13°44'54	4♒44	7° 7	7°30	4°45	22°53	3°57	4° 4	7°42	0°36	25°37	23°41	18°13	17°10	S 7
M 8	23 5 51	14°43'11	16°42	7°17	8°44	5°21	23° 4	3°54	4° 3	7°40	0°35	25°35	23°38	18°19	17°11	M 8
T 9	23 9 47	15°41'29	28°35	7°R21	9°59	5°57	23°16	3°52	4° 1	7°38	0°35	25°30	23°35	18°26	17°13	T 9
W10	23 13 44	16°39'48	10♓26	7°19	11°13	6°33	23°27	3°50	4° 0	7°37	0°34	25°23	23°31	18°33	17°15	W10
T 11	23 17 40	17°38'10	22°17	7°10	12°28	7° 9	23°39	3°47	3°58	7°35	0°33	25°15	23°28	18°39	17°17	T 11
F 12	23 21 37	18°36'33	4♈ 9	6°55	13°42	7°45	23°51	3°45	3°57	7°33	0°32	25° 5	23°25	18°46	17°19	F 12
S 13	23 25 33	19°34'59	16° 5	6°34	14°57	8°20	24° 2	3°42	3°55	7°32	0°32	24°54	23°22	18°53	17°21	S 13
S 14	23 29 30	20°33'26	28° 5	6° 5	16°12	8°56	24°14	3°39	3°54	7°30	0°31	24°44	23°19	18°59	17°23	S 14
M15	23 33 27	21°31'56	10♉12	5°30	17°26	9°31	24°26	3°36	3°52	7°29	0°30	24°36	23°16	19° 6	17°25	M15
T 16	23 37 23	22°30'27	22°28	4°48	18°41	10° 6	24°38	3°33	3°51	7°27	0°29	24°29	23°12	19°13	17°28	T 16
W17	23 41 20	23°29'01	4♊57	4° 0	19°56	10°41	24°50	3°30	3°49	7°25	0°28	24°25	23° 9	19°20	17°30	W17
T 18	23 45 16	24°27'37	17°42	3° 6	21°10	11°16	25° 2	3°27	3°47	7°24	0°27	24°24	23° 6	19°26	17°33	T 18
F 19	23 49 13	25°26'15	0♋47	2° 8	22°25	11°51	25°14	3°24	3°45	7°22	0°26	24°D24	23° 3	19°33	17°35	F 19
S 20	23 53 9	26°24'56	14°15	1° 6	23°40	12°25	25°26	3°21	3°44	7°21	0°26	24°24	23° 0	19°40	17°38	S 20
S 21	23 57 6	27°23'39	28° 9	0° 1	24°54	13° 0	25°39	3°17	3°42	7°19	0°25	24°R24	22°56	19°46	17°41	S 21
M22	0 1 2	28°22'24	12♌30	28♍56	26° 9	13°34	25°51	3°14	3°40	7°18	0°24	24°23	22°53	19°53	17°43	M22
T 23	0 4 59	29°21'11	27°16	27°51	27°24	14° 8	26° 3	3°11	3°38	7°16	0°23	24°19	22°50	20° 0	17°46	T 23
W24	0 8 56	0♎20'00	12♍21	26°48	28°39	14°42	26°15	3° 7	3°36	7°15	0°22	24°13	22°47	20° 6	17°49	W24
T 25	0 12 52	1°18'52	27°37	25°50	29°54	15°15	26°28	3° 3	3°34	7°13	0°21	24° 5	22°44	20°13	17°52	T 25
F 26	0 16 49	2°17'45	12♎53	24°56	1♎ 9	15°49	26°40	3° 0	3°32	7°12	0°20	23°55	22°41	20°20	17°56	F 26
S 27	0 20 45	3°16'41	27°58	24°10	2°23	16°22	26°53	2°56	3°30	7°10	0°19	23°45	22°37	20°27	17°59	S 27
S 28	0 24 42	4°15'38	12♏43	23°32	3°38	16°55	27° 5	2°52	3°28	7° 9	0°18	23°35	22°34	20°33	18° 2	S 28
M29	0 28 38	5°14'37	27° 0	23° 3	4°53	17°28	27°18	2°48	3°26	7° 8	0°17	23°28	22°31	20°40	18° 6	M29
T 30	0 32 35	6♎13'38	10♐48	22♍44	6♎ 8	18♋ 1	27♎30	2♉44	3♉24	7♓ 6	0♉16	23♋23	22♋28	20♓47	18♐ 9	T 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	lat
M 1	8n36	12s38	4n47	4s32	3s 3	12n40	1n17	23n35	0n 7	7s28	1n 6	10n25	2s39	12n26	0s32	9s26	0s52	4s17	17s 2	21n 2	21n19	8s44	17s 4	5n47
T 2	8 14	16 26	4 11	4 55	3 12	12 14	1 18	23 35	0 8	7 32	1 5	10 24	2 39	12 25	0 32	9 26	0 52	4 18	17 3	21 3	21 20	8 42	17 5	5 46
W 3	7 53	19 16	3 22	5 17	3 20	11 48	1 19	23 36	0 9	7 37	1 5	10 23	2 39	12 25	0 32	9 27	0 52	4 18	17 3	21 3	21 21	8 40	17 5	5 46
T 4	7 30	21 2	2 25	5 36	3 28	11 22	1 20	23 36	0 11	7 41	1 5	10 22	2 40	12 24	0 32	9 27	0 52	4 18	17 3	21 2	21 21	8 38	17 6	5 46
F 5	7 8	21 42	1 22	5 53	3 35	10 56	1 20	23 36	0 12	7 45	1 5	10 21	2 40	12 24	0 32	9 28	0 52	4 19	17 4	21 2	21 22	8 36	17 6	5 45
S 6	6 46	21 17	0 16	6 7	3 42	10 29	1 21	23 36	0 13	7 50	1 5	10 21	2 40	12 24	0 32	9 29	0 52	4 19	17 4	21 2	21 22	8 34	17 7	5 45
S 7	6 24	19 53	0s49	6 19	3 48	10 2	1 22	23 36	0 14	7 54	1 5	10 20	2 40	12 23	0 32	9 29	0 52	4 20	17 4	21 2	21 23	8 31	17 7	5 44
M 8	6 1	17 37	1 51	6 28	3 54	9 34	1 23	23 36	0 15	7 58	1 5	10 19	2 41	12 23	0 32	9 30	0 52	4 20	17 4	21 3	21 23	8 29	17 8	5 44
T 9	5 39	14 36	2 48	6 34	3 59	9 7	1 23	23 35	0 16	8 3	1 5	10 18	2 41	12 22	0 32	9 31	0 52	4 21	17 5	21 3	21 24	8 27	17 9	5 43
W10	5 16	11 0	3 37	6 37	4 3	8 39	1 24	23 35	0 17	8 7	1 4	10 17	2 41	12 22	0 32	9 31	0 52	4 21	17 5	21 5	21 24	8 25	17 9	5 43
T 11	4 53	6 59	4 17	6 37	4 6	8 11	1 24	23 34	0 18	8 12	1 4	10 16	2 41	12 21	0 32	9 32	0 52	4 22	17 5	21 6	21 25	8 23	17 10	5 43
F 12	4 31	2 42	4 45	6 32	4 7	7 43	1 24	23 33	0 19	8 16	1 4	10 15	2 41	12 21	0 32	9 32	0 52	4 22	17 5	21 8	21 26	8 21	17 10	5 42
S 13	4 8	1n42	5 1	6 24	4 8	7 14	1 25	23 32	0 20	8 20	1 4	10 13	2 42	12 20	0 32	9 33	0 52	4 23	17 5	21 10	21 26	8 18	17 11	5 42
S 14	3 45	6 3	5 4	6 11	4 7	6 45	1 25	23 31	0 22	8 25	1 4	10 12	2 42	12 20	0 32	9 34	0 52	4 23	17 6	21 12	21 27	8 16	17 12	5 41
M15	3 22	10 14	4 54	5 55	4 4	6 16	1 25	23 30	0 23	8 29	1 4	10 11	2 42	12 19	0 32	9 34	0 52	4 24	17 6	21 13	21 27	8 14	17 12	5 41
T 16	2 59	14 3	4 30	5 34	4 0	5 47	1 25	23 28	0 24	8 34	1 4	10 10	2 42	12 19	0 32	9 35	0 52	4 24	17 6	21 14	21 28	8 12	17 13	5 41
W17	2 35	17 20	3 52	5 10	3 54	5 18	1 25	23 27	0 25	8 38	1 4	10 9	2 42	12 18	0 32	9 35	0 52	4 25	17 6	21 15	21 28	8 10	17 13	5 40
T 18	2 12	19 51	3 3	4 41	3 45	4 48	1 25	23 25	0 26	8 43	1 3	10 8	2 43	12 17	0 32	9 36	0 52	4 25	17 6	21 15	21 29	8 7	17 14	5 40
F 19	1 49	21 25	2 3	4 8	3 35	4 19	1 25	23 23	0 28	8 47	1 3	10 6	2 43	12 17	0 32	9 36	0 52	4 26	17 7	21 15	21 29	8 5	17 15	5 39
S 20	1 26	21 48	0 54	3 33	3 23	3 49	1 25	23 21	0 29	8 52	1 3	10 5	2 43	12 16	0 32	9 37	0 52	4 26	17 7	21 15	21 30	8 3	17 15	5 39
S 21	1 2	20 52	0n20	2 54	3 10	3 19	1 25	23 19	0 30	8 56	1 3	10 4	2 43	12 16	0 32	9 38	0 52	4 26	17 7	21 15	21 30	8 1	17 16	5 39
M22	0 39	18 35	1 35	2 14	2 54	2 49	1 24	23 17	0 31	9 1	1 3	10 2	2 43	12 15	0 32	9 38	0 52	4 27	17 7	21 15	21 31	7 59	17 16	5 38
T 23	0 15	15 1	2 45	1 33	2 37	2 19	1 24	23 15	0 32	9 5	1 3	10 1	2 43	12 14	0 32	9 39	0 52	4 27	17 7	21 16	21 31	7 56	17 17	5 38
W24	0s 8	10 25	3 46	0 51	2 19	1 49	1 24	23 12	0 34	9 10	1 3	10 0	2 44	12 14	0 32	9 39	0 52	4 28	17 8	21 17	21 32	7 54	17 18	5 38
T 25	0 31	5 6	4 31	0 10	1 59	1 19	1 23	23 10	0 35	9 15	1 3	9 58	2 44	12 13	0 32	9 40	0 52	4 28	17 8	21 19	21 32	7 52	17 18	5 37
F 26	0 55	0s32	4 57	0n29	1 39	0 48	1 23	23 7	0 36	9 19	1 3	9 57	2 44	12 12	0 32	9 40	0 52	4 29	17 8	21 20	21 33	7 50	17 19	5 37
S 27	1 18	6 4	5 2	1 6	1 19	0 18	1 22	23 4	0 37	9 24	1 3	9 56	2 44	12 12	0 32	9 41	0 52	4 29	17 8	21 22	21 33	7 48	17 20	5 36
S 28	1 42	11 7	4 46	1 40	0 59	0s12	1 21	23 1	0 39	9 28	1 2	9 54	2 44	12 11	0 32	9 41	0 52	4 30	17 8	21 24	21 34	7 45	17 20	5 36
M29	2 5	15 24	4 13	2 10	0 39	0 43	1 21	22 59	0 40	9 33	1 2	9 53	2 44	12 10	0 32	9 42	0 52	4 30	17 8	21 25	21 35	7 43	17 21	5 36
T 30	2s28	18s42	3n25	2n35	0s20	1s13	1n20	22n56	0n41	9s38	1n 2	9n51	2s44	12n 9	0s32	9s42	0s52	4s31	17s 8	21n26	21n35	7s41	17s22	5n35

Julian Day Number = 2397366.5, Delta T = 9.82 sec
Ecliptic obliquity = 23°27'28, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°40'08, Lahiri = 21°47'09

ASTRODIENST EPHEMERIS for the year 1851
geocentric

OCTOBER 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 36 31	7♎12'41	24♐ 7	22°D35	7♎23	18♋34	27♎43	2°R40	3°R22	7°R 5	0°R15	23°R21	22♋25	20♓53	18♐13	W 1
T 2	0 40 28	8°11'46	6♑59	22♍37	8°38	19° 6	27°56	2♉36	3♉20	7♓ 3	0♉14	23°D20	22°22	21° 0	18°16	T 2
F 3	0 44 25	9°10'52	19°28	22°49	9°53	19°38	28° 8	2°32	3°18	7° 2	0°13	23°R20	22°18	21° 7	18°20	F 3
S 4	0 48 21	10°10'00	1♒41	23°11	11° 8	20°10	28°21	2°27	3°15	7° 1	0°12	23♋20	22°15	21°13	18°24	S 4
S 5	0 52 18	11° 9'10	13°42	23°43	12°23	20°42	28°34	2°23	3°13	6°59	0°11	23°19	22°12	21°20	18°28	S 5
M 6	0 56 14	12° 8'21	25°35	24°24	13°38	21°14	28°47	2°19	3°11	6°58	0°10	23°15	22° 9	21°27	18°31	M 6
T 7	1 0 11	13° 7'35	7♓25	25°13	14°53	21°45	28°59	2°14	3° 9	6°57	0° 8	23° 8	22° 6	21°34	18°35	T 7
W 8	1 4 7	14° 6'50	19°15	26°11	16° 8	22°16	29°12	2°10	3° 6	6°56	0° 7	22°58	22° 2	21°40	18°40	W 8
T 9	1 8 4	15° 6'08	1♈ 8	27°15	17°23	22°47	29°25	2° 5	3° 4	6°54	0° 6	22°46	21°59	21°47	18°44	T 9
F 10	1 12 0	16° 5'27	13° 5	28°26	18°38	23°18	29°38	2° 1	3° 2	6°53	0° 5	22°32	21°56	21°54	18°48	F 10
S 11	1 15 57	17° 4'48	25° 8	29°42	19°53	23°49	29°51	1°56	2°59	6°52	0° 4	22°18	21°53	22° 0	18°52	S 11
S 12	1 19 53	18° 4'11	7♉17	1♎ 3	21° 8	24°19	0♏ 4	1°52	2°57	6°51	0° 3	22° 4	21°50	22° 7	18°57	S 12
M13	1 23 50	19° 3'37	19°34	2°28	22°23	24°49	0°17	1°47	2°55	6°50	0° 2	21°52	21°47	22°14	19° 1	M13
T 14	1 27 47	20° 3'05	2♊ 0	3°56	23°38	25°19	0°30	1°43	2°52	6°49	0° 1	21°43	21°43	22°21	19° 5	T 14
W15	1 31 43	21° 2'35	14°37	5°28	24°53	25°49	0°43	1°38	2°50	6°48	29♈59	21°36	21°40	22°27	19°10	W15
T 16	1 35 40	22° 2'07	27°26	7° 2	26° 8	26°18	0°56	1°33	2°48	6°47	29°59	21°33	21°37	22°34	19°15	T 16
F 17	1 39 36	23° 1'42	10♋31	8°38	27°23	26°47	1° 9	1°28	2°45	6°46	29°57	21°31	21°34	22°41	19°19	F 17
S 18	1 43 33	24° 1'19	23°54	10°15	28°38	27°16	1°22	1°24	2°43	6°45	29°56	21°31	21°31	22°47	19°24	S 18
S 19	1 47 29	25° 0'58	7♌39	11°54	29°53	27°45	1°35	1°19	2°40	6°44	29°55	21°31	21°27	22°54	19°29	S 19
M20	1 51 26	26° 0'40	21°45	13°33	1♏ 8	28°13	1°48	1°14	2°38	6°43	29°54	21°29	21°24	23° 1	19°34	M20
T 21	1 55 22	27° 0'23	6♍14	15°14	2°23	28°41	2° 1	1° 9	2°35	6°42	29°53	21°25	21°21	23° 7	19°39	T 21
W22	1 59 19	28° 0'09	21° 2	16°55	3°38	29° 9	2°14	1° 5	2°33	6°41	29°52	21°18	21°18	23°14	19°44	W22
T 23	2 3 16	28°59'57	6♎ 3	18°36	4°53	29°37	2°27	1° 0	2°31	6°40	29°51	21° 9	21°15	23°21	19°49	T 23
F 24	2 7 12	29°59'48	21° 8	20°17	6° 8	0♌ 4	2°40	0°55	2°28	6°39	29°49	20°58	21°12	23°28	19°54	F 24
S 25	2 11 9	0♏59'40	6♏ 7	21°58	7°23	0°31	2°53	0°50	2°26	6°38	29°48	20°46	21° 8	23°34	19°59	S 25
S 26	2 15 5	1°59'34	20°50	23°39	8°39	0°57	3° 7	0°45	2°23	6°38	29°47	20°36	21° 5	23°41	20° 4	S 26
M27	2 19 2	2°59'30	5♐10	25°20	9°54	1°24	3°20	0°40	2°21	6°37	29°46	20°27	21° 2	23°48	20° 9	M27
T 28	2 22 58	3°59'28	19° 3	27° 1	11° 9	1°50	3°33	0°36	2°18	6°36	29°45	20°21	20°59	23°54	20°15	T 28
W29	2 26 55	4°59'28	2♑26	28°41	12°24	2°16	3°46	0°31	2°16	6°35	29°44	20°17	20°56	24° 1	20°20	W29
T 30	2 30 51	5°59'29	15°23	0♏21	13°39	2°41	3°59	0°26	2°13	6°35	29°43	20°D16	20°53	24° 8	20°25	T 30
F 31	2 34 48	6♏59'32	27♑56	2♏ 1	14♏54	3♌ 6	4♏12	0♉21	2♉11	6♓34	29♈42	20♋16	20♋49	24♓15	20♐31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	2s52	20s51	2n29	2n56	0s 1	1s43	1n19	22n52	0n43	9s42	1n 2	9n50	2s45	12n 9	0s32	9s43	0s52	4s31	17s 9	21n26	21n36	7s39	17s22	5n35
T 2	3 15	21 51	1 26	3 11	0n16	2 14	1 18	22 49	0 44	9 47	1 2	9 48	2 45	12 8	0 32	9 44	0 52	4 32	17 9	21 26	21 36	7 37	17 23	5 35
F 3	3 38	21 42	0 21	3 21	0 32	2 44	1 17	22 46	0 45	9 51	1 2	9 47	2 45	12 7	0 32	9 44	0 52	4 32	17 9	21 26	21 37	7 34	17 24	5 34
S 4	4 2	20 31	0s44	3 26	0 47	3 15	1 16	22 43	0 47	9 56	1 2	9 45	2 45	12 6	0 32	9 44	0 52	4 33	17 9	21 26	21 37	7 32	17 24	5 34
S 5	4 25	18 25	1 46	3 25	1 0	3 45	1 15	22 39	0 48	10 1	1 2	9 44	2 45	12 6	0 32	9 45	0 52	4 33	17 9	21 27	21 38	7 30	17 25	5 34
M 6	4 48	15 32	2 42	3 20	1 12	4 15	1 14	22 36	0 49	10 5	1 2	9 42	2 45	12 5	0 32	9 45	0 52	4 33	17 9	21 27	21 38	7 28	17 26	5 33
T 7	5 11	12 3	3 31	3 10	1 23	4 45	1 12	22 32	0 51	10 10	1 2	9 40	2 45	12 4	0 32	9 46	0 52	4 34	17 9	21 28	21 39	7 25	17 26	5 33
W 8	5 34	8 5	4 10	2 56	1 32	5 15	1 11	22 28	0 52	10 14	1 2	9 39	2 45	12 3	0 32	9 46	0 52	4 34	17 9	21 30	21 39	7 23	17 27	5 33
T 9	5 57	3 49	4 39	2 37	1 40	5 45	1 10	22 25	0 53	10 19	1 2	9 37	2 45	12 3	0 32	9 47	0 52	4 35	17 9	21 32	21 40	7 21	17 28	5 32
F 10	6 20	0n38	4 56	2 15	1 46	6 15	1 9	22 21	0 55	10 24	1 1	9 36	2 45	12 2	0 32	9 47	0 52	4 35	17 10	21 34	21 40	7 19	17 28	5 32
S 11	6 43	5 5	4 59	1 49	1 51	6 45	1 7	22 17	0 56	10 28	1 1	9 34	2 46	12 1	0 32	9 48	0 52	4 36	17 10	21 37	21 41	7 16	17 29	5 32
S 12	7 6	9 24	4 49	1 21	1 55	7 14	1 6	22 13	0 58	10 33	1 1	9 32	2 46	12 0	0 32	9 48	0 52	4 36	17 10	21 39	21 41	7 14	17 30	5 31
M13	7 28	13 22	4 26	0 49	1 58	7 43	1 4	22 9	0 59	10 37	1 1	9 31	2 46	11 59	0 32	9 48	0 51	4 36	17 10	21 41	21 42	7 12	17 30	5 31
T 14	7 51	16 50	3 50	0 16	2 0	8 13	1 3	22 5	1 1	10 42	1 1	9 29	2 46	11 59	0 32	9 49	0 51	4 37	17 10	21 42	21 42	7 10	17 31	5 31
W15	8 13	19 34	3 2	0s20	2 0	8 42	1 1	22 1	1 2	10 47	1 1	9 27	2 46	11 58	0 32	9 49	0 51	4 37	17 10	21 43	21 43	7 7	17 32	5 30
T 16	8 35	21 22	2 4	0 57	2 0	9 11	0 59	21 57	1 4	10 51	1 1	9 26	2 46	11 57	0 32	9 50	0 51	4 38	17 10	21 44	21 43	7 5	17 32	5 30
F 17	8 58	22 5	0 58	1 36	1 59	9 39	0 57	21 53	1 5	10 56	1 1	9 24	2 46	11 56	0 32	9 50	0 51	4 38	17 10	21 44	21 44	7 3	17 33	5 30
S 18	9 20	21 33	0n13	2 15	1 58	10 8	0 56	21 49	1 7	11 0	1 1	9 22	2 46	11 55	0 32	9 50	0 51	4 39	17 10	21 44	21 44	7 1	17 34	5 30
S 19	9 41	19 44	1 24	2 56	1 55	10 36	0 54	21 45	1 8	11 5	1 1	9 21	2 46	11 54	0 32	9 51	0 51	4 39	17 10	21 44	21 45	6 58	17 34	5 29
M20	10 3	16 40	2 32	3 37	1 53	11 4	0 52	21 40	1 10	11 9	1 1	9 19	2 46	11 54	0 32	9 51	0 51	4 39	17 10	21 44	21 45	6 56	17 35	5 29
T 21	10 25	12 31	3 33	4 19	1 49	11 31	0 50	21 36	1 11	11 14	1 1	9 18	2 46	11 53	0 32	9 51	0 51	4 40	17 10	21 45	21 46	6 54	17 35	5 29
W22	10 46	7 32	4 20	5 2	1 45	11 59	0 48	21 32	1 13	11 18	1 1	9 16	2 46	11 52	0 32	9 52	0 51	4 40	17 10	21 46	21 46	6 51	17 36	5 28
T 23	11 8	2 2	4 50	5 44	1 41	12 26	0 46	21 28	1 15	11 23	1 1	9 14	2 46	11 51	0 32	9 52	0 51	4 40	17 10	21 48	21 47	6 49	17 37	5 28
F 24	11 29	3s36	5 0	6 26	1 36	12 53	0 44	21 24	1 16	11 28	1 1	9 13	2 46	11 50	0 32	9 52	0 51	4 41	17 10	21 49	21 47	6 47	17 37	5 28
S 25	11 50	9 0	4 50	7 9	1 31	13 19	0 42	21 19	1 18	11 32	1 1	9 11	2 46	11 49	0 32	9 53	0 51	4 41	17 10	21 51	21 48	6 45	17 38	5 28
S 26	12 11	13 48	4 20	7 51	1 26	13 46	0 40	21 15	1 19	11 37	1 1	9 9	2 46	11 49	0 32	9 53	0 51	4 42	17 10	21 53	21 48	6 42	17 39	5 27
M27	12 31	17 40	3 35	8 33	1 21	14 11	0 38	21 11	1 21	11 41	1 1	9 8	2 46	11 48	0 32	9 53	0 51	4 42	17 10	21 54	21 49	6 40	17 39	5 27
T 28	12 52	20 24	2 37	9 15	1 15	14 37	0 36	21 7	1 23	11 46	1 1	9 6	2 46	11 47	0 32	9 53	0 51	4 42	17 10	21 55	21 49	6 38	17 40	5 27
W29	13 12	21 53	1 33	9 57	1 9	15 2	0 34	21 3	1 25	11 50	1 1	9 4	2 46	11 46	0 32	9 54	0 51	4 43	17 10	21 55	21 50	6 35	17 40	5 27
T 30	13 32	22 8	0 26	10 38	1 3	15 27	0 31	20 58	1 26	11 54	1 0	9 3	2 46	11 45	0 32	9 54	0 51	4 43	17 10	21 56	21 50	6 33	17 41	5 27
F 31	13s52	21s15	0s41	11s18	0n56	15s51	0n29	20n54	1n28	11s59	1n 0	9n 1	2s46	11n44	0s32	9s54	0s51	4s43	17s10	21n56	21n51	6s31	17s42	5n26

Julian Day Number = 2397396.5, Delta T = 9.85 sec
Ecliptic obliquity = 23°27'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°40'12, Lahiri = 21°47'13

ASTRODIENST EPHEMERIS for the year 1851
geocentric

NOVEMBER 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 38 45	7♏59'37	10♒11	3♏40	16♏ 9	3♌31	4♏25	0°R16	2°R 8	6°R34	29°R40	20°R16	20♋46	24♓21	20♐36	S 1
S 2	2 42 41	8°59'43	22°12	5°19	17°24	3°55	4°39	0♉12	2♉ 6	6♓33	29♈39	20♋16	20°43	24°28	20°42	S 2
M 3	2 46 38	9°59'50	4♓ 5	6°57	18°40	4°19	4°52	0° 7	2° 3	6°32	29°38	20°13	20°40	24°35	20°48	M 3
T 4	2 50 34	11° 0'00	15°55	8°35	19°55	4°43	5° 5	0° 2	2° 1	6°32	29°37	20° 7	20°37	24°41	20°53	T 4
W 5	2 54 31	12° 0'10	27°46	10°13	21°10	5° 6	5°18	29♈58	1°59	6°32	29°36	19°59	20°33	24°48	20°59	W 5
T 6	2 58 27	13° 0'23	9♈42	11°51	22°25	5°29	5°31	29°53	1°56	6°31	29°35	19°49	20°30	24°55	21° 5	T 6
F 7	3 2 24	14° 0'37	21°45	13°27	23°40	5°52	5°44	29°48	1°54	6°31	29°34	19°37	20°27	25° 1	21°11	F 7
S 8	3 6 20	15° 0'52	3♉57	15° 4	24°55	6°14	5°57	29°44	1°51	6°30	29°33	19°25	20°24	25° 8	21°16	S 8
S 9	3 10 17	16° 1'10	16°19	16°40	26°10	6°36	6°10	29°39	1°49	6°30	29°32	19°12	20°21	25°15	21°22	S 9
M10	3 14 14	17° 1'29	28°52	18°16	27°26	6°57	6°23	29°35	1°47	6°30	29°31	19° 2	20°18	25°22	21°28	M10
T 11	3 18 10	18° 1'50	11♊35	19°52	28°41	7°18	6°36	29°30	1°44	6°29	29°29	18°54	20°14	25°28	21°34	T 11
W12	3 22 7	19° 2'12	24°28	21°27	29°56	7°39	6°49	29°26	1°42	6°29	29°28	18°48	20°11	25°35	21°40	W12
T 13	3 26 3	20° 2'37	7♋33	23° 2	1♐11	7°59	7° 2	29°22	1°40	6°29	29°27	18°46	20° 8	25°42	21°46	T 13
F 14	3 30 0	21° 3'03	20°49	24°37	2°26	8°19	7°15	29°17	1°37	6°29	29°26	18°D45	20° 5	25°48	21°52	F 14
S 15	3 33 56	22° 3'31	4♌19	26°11	3°41	8°38	7°28	29°13	1°35	6°29	29°25	18°46	20° 2	25°55	21°58	S 15
S 16	3 37 53	23° 4'01	18° 2	27°45	4°56	8°57	7°41	29° 9	1°33	6°29	29°24	18°R47	19°59	26° 2	22° 5	S 16
M17	3 41 49	24° 4'33	2♍ 1	29°19	6°12	9°15	7°54	29° 5	1°31	6°29	29°23	18°46	19°55	26° 9	22°11	M17
T 18	3 45 46	25° 5'07	16°14	0♐53	7°27	9°33	8° 7	29° 1	1°28	6°D28	29°22	18°44	19°52	26°15	22°17	T 18
W19	3 49 43	26° 5'43	0♎41	2°26	8°42	9°51	8°20	28°57	1°26	6°28	29°21	18°40	19°49	26°22	22°23	W19
T 20	3 53 39	27° 6'20	15°17	3°59	9°57	10° 8	8°32	28°53	1°24	6°29	29°20	18°34	19°46	26°29	22°30	T 20
F 21	3 57 36	28° 6'59	29°56	5°32	11°12	10°24	8°45	28°49	1°22	6°29	29°19	18°26	19°43	26°35	22°36	F 21
S 22	4 1 32	29° 7'39	14♏33	7° 5	12°27	10°40	8°58	28°45	1°20	6°29	29°18	18°18	19°39	26°42	22°42	S 22
S 23	4 5 29	0♐ 8'21	28°58	8°38	13°42	10°55	9°11	28°41	1°18	6°29	29°17	18°10	19°36	26°49	22°48	S 23
M24	4 9 25	1° 9'05	13♐ 7	10°11	14°58	11°10	9°23	28°37	1°16	6°29	29°16	18° 3	19°33	26°56	22°55	M24
T 25	4 13 22	2° 9'50	26°53	11°43	16°13	11°24	9°36	28°34	1°14	6°29	29°15	17°59	19°30	27° 2	23° 1	T 25
W26	4 17 18	3°10'36	10♑15	13°16	17°28	11°38	9°49	28°30	1°12	6°29	29°14	17°57	19°27	27° 9	23° 8	W26
T 27	4 21 15	4°11'23	23°14	14°48	18°43	11°51	10° 1	28°27	1°10	6°30	29°14	17°D57	19°24	27°16	23°14	T 27
F 28	4 25 12	5°12'11	5♒50	16°20	19°58	12° 4	10°14	28°24	1° 8	6°30	29°13	17°58	19°20	27°22	23°21	F 28
S 29	4 29 8	6°13'00	18° 8	17°52	21°13	12°16	10°26	28°20	1° 6	6°30	29°12	18° 0	19°17	27°29	23°27	S 29
S 30	4 33 5	7♐13'50	0♓12	19♐23	22♐29	12♑27	10♏39	28♈17	1♉ 4	6♓31	29♈11	18♋ 1	19♋14	27♓36	23♐34	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	lat
S 1	14s11	19s22	1s44	11s58	0n50	16s15	0n27	20n50	1n30	12s 3	1n 0	9n 0	2s46	11n44	0s32	9s54	0s51	4s43	17s10	21n56	21n51	6s29	17s42	5n26
S 2	14 30	16 39	2 41	12 37	0 43	16 39	0 25	20 46	1 31	12 8	1 0	8 58	2 45	11 43	0 32	9 54	0 51	4 44	17 10	21 56	21 52	6 26	17 43	5 26
M 3	14 49	13 17	3 30	13 16	0 37	17 2	0 22	20 42	1 33	12 12	1 0	8 56	2 45	11 42	0 32	9 55	0 51	4 44	17 10	21 56	21 52	6 24	17 43	5 26
T 4	15 8	9 24	4 11	13 54	0 30	17 25	0 20	20 38	1 35	12 17	1 0	8 55	2 45	11 41	0 32	9 55	0 51	4 44	17 9	21 57	21 53	6 22	17 44	5 26
W 5	15 27	5 10	4 40	14 31	0 23	17 47	0 18	20 34	1 37	12 21	1 0	8 53	2 45	11 40	0 32	9 55	0 51	4 45	17 9	21 58	21 53	6 19	17 44	5 25
T 6	15 45	0 43	4 58	15 8	0 17	18 9	0 15	20 31	1 39	12 25	1 0	8 52	2 45	11 39	0 32	9 55	0 51	4 45	17 9	22 0	21 53	6 17	17 45	5 25
F 7	16 3	3n49	5 2	15 44	0 10	18 30	0 13	20 27	1 41	12 30	1 0	8 50	2 45	11 39	0 32	9 55	0 51	4 45	17 9	22 1	21 54	6 15	17 46	5 25
S 8	16 21	8 15	4 53	16 19	0 3	18 51	0 10	20 23	1 42	12 34	1 0	8 49	2 45	11 38	0 32	9 55	0 51	4 45	17 9	22 3	21 54	6 12	17 46	5 25
S 9	16 39	12 25	4 30	16 53	0s 4	19 11	0 8	20 19	1 44	12 38	1 0	8 47	2 45	11 37	0 32	9 55	0 51	4 46	17 9	22 5	21 55	6 10	17 47	5 25
M10	16 56	16 8	3 53	17 27	0 10	19 31	0 6	20 16	1 46	12 43	1 0	8 46	2 45	11 36	0 32	9 56	0 51	4 46	17 9	22 6	21 55	6 8	17 47	5 25
T 11	17 13	19 8	3 5	17 59	0 17	19 50	0 3	20 12	1 48	12 47	1 0	8 44	2 45	11 35	0 32	9 56	0 51	4 46	17 9	22 7	21 56	6 5	17 48	5 24
W12	17 30	21 15	2 6	18 31	0 24	20 8	0 1	20 9	1 50	12 51	1 0	8 43	2 44	11 35	0 32	9 56	0 51	4 46	17 9	22 8	21 56	6 3	17 48	5 24
T 13	17 46	22 15	1 0	19 2	0 30	20 26	0s 2	20 5	1 52	12 55	1 0	8 41	2 44	11 34	0 32	9 56	0 51	4 47	17 8	22 9	21 57	6 1	17 49	5 24
F 14	18 2	22 2	0n11	19 32	0 37	20 44	0 4	20 2	1 54	13 0	1 0	8 40	2 44	11 33	0 32	9 56	0 51	4 47	17 8	22 9	21 57	5 58	17 49	5 24
S 15	18 18	20 32	1 22	20 0	0 43	21 1	0 7	19 59	1 56	13 4	1 0	8 39	2 44	11 32	0 32	9 56	0 51	4 47	17 8	22 9	21 58	5 56	17 50	5 24
S 16	18 33	17 49	2 30	20 28	0 49	21 17	0 9	19 56	1 58	13 8	1 0	8 37	2 44	11 32	0 32	9 56	0 51	4 47	17 8	22 8	21 58	5 54	17 50	5 24
M17	18 48	14 2	3 30	20 55	0 55	21 33	0 12	19 53	2 0	13 12	1 0	8 36	2 44	11 31	0 32	9 56	0 51	4 47	17 8	22 8	21 59	5 51	17 50	5 24
T 18	19 3	9 24	4 19	21 21	1 1	21 48	0 14	19 50	2 2	13 16	1 0	8 35	2 44	11 30	0 32	9 56	0 51	4 48	17 8	22 9	21 59	5 49	17 51	5 24
W19	19 18	4 11	4 52	21 46	1 7	22 2	0 16	19 48	2 5	13 20	1 0	8 34	2 43	11 29	0 32	9 56	0 51	4 48	17 7	22 9	22 0	5 47	17 51	5 23
T 20	19 32	1s19	5 6	22 10	1 13	22 16	0 19	19 45	2 7	13 25	1 0	8 32	2 43	11 29	0 32	9 56	0 51	4 48	17 7	22 10	22 0	5 44	17 52	5 23
F 21	19 45	6 46	5 0	22 32	1 19	22 29	0 21	19 43	2 9	13 29	1 0	8 31	2 43	11 28	0 32	9 56	0 51	4 48	17 7	22 11	22 1	5 42	17 52	5 23
S 22	19 59	11 50	4 35	22 54	1 24	22 42	0 24	19 41	2 11	13 33	1 0	8 30	2 43	11 27	0 32	9 56	0 51	4 48	17 7	22 12	22 1	5 40	17 53	5 23
S 23	20 12	16 9	3 53	23 14	1 30	22 54	0 26	19 38	2 13	13 37	1 0	8 29	2 43	11 26	0 32	9 56	0 51	4 48	17 7	22 13	22 1	5 37	17 53	5 23
M24	20 24	19 28	2 57	23 33	1 35	23 5	0 29	19 36	2 16	13 41	1 0	8 28	2 43	11 26	0 32	9 56	0 51	4 49	17 7	22 14	22 2	5 35	17 53	5 23
T 25	20 37	21 34	1 51	23 51	1 40	23 15	0 31	19 35	2 18	13 45	1 0	8 27	2 42	11 25	0 32	9 55	0 51	4 49	17 6	22 15	22 2	5 33	17 54	5 23
W26	20 48	22 22	0 42	24 8	1 44	23 25	0 33	19 33	2 20	13 49	1 0	8 26	2 42	11 24	0 31	9 55	0 51	4 49	17 6	22 15	22 3	5 30	17 54	5 23
T 27	21 0	21 56	0s29	24 23	1 49	23 34	0 36	19 32	2 22	13 53	1 0	8 24	2 42	11 24	0 31	9 55	0 51	4 49	17 6	22 15	22 3	5 28	17 55	5 23
F 28	21 11	20 22	1 35	24 38	1 53	23 43	0 38	19 30	2 25	13 56	1 0	8 24	2 42	11 23	0 31	9 55	0 51	4 49	17 6	22 15	22 4	5 25	17 55	5 23
S 29	21 22	17 53	2 36	24 51	1 57	23 50	0 40	19 29	2 27	14 0	1 0	8 23	2 41	11 22	0 31	9 55	0 51	4 49	17 5	22 15	22 4	5 23	17 55	5 23
S 30	21s32	14s40	3s29	25s 2	2s 1	23s57	0s43	19n28	2n29	14s 4	1n 0	8n22	2s41	11n22	0s31	9s55	0s51	4s49	17s 5	22n15	22n 5	5s21	17s56	5n23

Julian Day Number = 2397427.5, Delta T = 9.88 sec
Ecliptic obliquity = 23°27'28, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°40'17, Lahiri = 21°47'17

ASTRODIENST EPHEMERIS for the year 1851
geocentric

DECEMBER 1851 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 37 1	8♐14'41	12♓ 7	20♐55	23♐44	12♌38	10♏51	28°R14	1°R 2	6♓31	29°R10	18°R 1	19♋11	27♓43	23♐40	M 1
T 2	4 40 58	9°15'33	23°58	22°26	24°59	12°48	11° 3	28♈11	1♉ 0	6°32	29♈ 9	18♋ 0	19° 8	27°49	23°47	T 2
W 3	4 44 54	10°16'25	5♈51	23°57	26°14	12°57	11°16	28° 8	0°59	6°32	29° 8	17°57	19° 5	27°56	23°53	W 3
T 4	4 48 51	11°17'18	17°49	25°28	27°29	13° 6	11°28	28° 5	0°57	6°33	29° 8	17°52	19° 1	28° 3	24° 0	T 4
F 5	4 52 47	12°18'13	29°56	26°59	28°44	13°14	11°40	28° 2	0°55	6°33	29° 7	17°46	18°58	28° 9	24° 6	F 5
S 6	4 56 44	13°19'08	12♉16	28°29	29°59	13°21	11°52	28° 0	0°54	6°34	29° 6	17°40	18°55	28°16	24°13	S 6
S 7	5 0 41	14°20'04	24°49	29°58	1♑14	13°28	12° 5	27°57	0°52	6°34	29° 5	17°33	18°52	28°23	24°20	S 7
M 8	5 4 37	15°21'00	7♊37	1♑27	2°29	13°34	12°17	27°55	0°50	6°35	29° 5	17°28	18°49	28°30	24°26	M 8
T 9	5 8 34	16°21'58	20°40	2°56	3°45	13°40	12°29	27°52	0°49	6°36	29° 4	17°24	18°45	28°36	24°33	T 9
W10	5 12 30	17°22'57	3♋57	4°23	5° 0	13°44	12°41	27°50	0°47	6°37	29° 3	17°22	18°42	28°43	24°40	W10
T 11	5 16 27	18°23'56	17°26	5°50	6°15	13°48	12°52	27°48	0°46	6°37	29° 2	17°D21	18°39	28°50	24°46	T 11
F 12	5 20 23	19°24'57	1♌ 6	7°16	7°30	13°51	13° 4	27°46	0°45	6°38	29° 2	17°22	18°36	28°56	24°53	F 12
S 13	5 24 20	20°25'58	14°55	8°41	8°45	13°54	13°16	27°44	0°43	6°39	29° 1	17°23	18°33	29° 3	25° 0	S 13
S 14	5 28 17	21°27'01	28°52	10° 4	10° 0	13°56	13°28	27°42	0°42	6°40	29° 0	17°25	18°30	29°10	25° 6	S 14
M15	5 32 13	22°28'04	12♍56	11°25	11°15	13°56	13°39	27°40	0°41	6°41	29° 0	17°26	18°26	29°17	25°13	M15
T 16	5 36 10	23°29'08	27° 5	12°44	12°30	13°R56	13°51	27°38	0°39	6°42	28°59	17°R26	18°23	29°23	25°20	T 16
W17	5 40 6	24°30'13	11♎17	14° 1	13°45	13°56	14° 2	27°37	0°38	6°43	28°59	17°25	18°20	29°30	25°26	W17
T 18	5 44 3	25°31'19	25°31	15°15	15° 0	13°54	14°14	27°35	0°37	6°43	28°58	17°23	18°17	29°37	25°33	T 18
F 19	5 47 59	26°32'26	9♏43	16°26	16°15	13°52	14°25	27°34	0°36	6°45	28°57	17°20	18°14	29°43	25°40	F 19
S 20	5 51 56	27°33'34	23°49	17°33	17°30	13°49	14°36	27°33	0°35	6°46	28°57	17°18	18°11	29°50	25°46	S 20
S 21	5 55 52	28°34'43	7♐46	18°35	18°45	13°45	14°48	27°32	0°34	6°47	28°56	17°15	18° 7	29°57	25°53	S 21
M22	5 59 49	29°35'52	21°29	19°33	20° 0	13°40	14°59	27°31	0°33	6°48	28°56	17°13	18° 4	0♈ 4	26° 0	M22
T 23	6 3 46	0♑37'01	4♑57	20°24	21°15	13°34	15°10	27°30	0°32	6°49	28°56	17°11	18° 1	0°10	26° 6	T 23
W24	6 7 42	1°38'11	18° 7	21° 9	22°30	13°28	15°21	27°29	0°31	6°50	28°55	17°D11	17°58	0°17	26°13	W24
T 25	6 11 39	2°39'21	0♒59	21°47	23°45	13°21	15°32	27°28	0°31	6°51	28°55	17°11	17°55	0°24	26°20	T 25
F 26	6 15 35	3°40'31	13°33	22°16	25° 0	13°12	15°42	27°28	0°30	6°53	28°54	17°12	17°51	0°30	26°26	F 26
S 27	6 19 32	4°41'41	25°51	22°35	26°15	13° 3	15°53	27°27	0°29	6°54	28°54	17°14	17°48	0°37	26°33	S 27
S 28	6 23 28	5°42'51	7♓57	22°R45	27°30	12°54	16° 4	27°27	0°28	6°55	28°53	17°15	17°45	0°44	26°39	S 28
M29	6 27 25	6°44'01	19°54	22°43	28°45	12°43	16°14	27°27	0°28	6°56	28°53	17°16	17°42	0°51	26°46	M29
T 30	6 31 21	7°45'11	1♈46	22°30	29°59	12°32	16°25	27°26	0°27	6°58	28°53	17°16	17°39	0°57	26°53	T 30
W31	6 35 18	8♑46'21	13♈39	22♑ 5	1♒15	12♌19	16♏35	27°D26	0♉27	6♓59	28♈53	17°R16	17♋36	1♈ 4	26♐59	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	lat
M 1	21s42	10s54	4s12	25s13	2s 4	24s 3	0s45	19n27	2n32	14s 8	1n 0	8n21	2s41	11n21	0s31	9s55	0s51	4s49	17s 5	22n15	22n 5	5s18	17s56	5n23
T 2	21 51	6 44	4 44	25 22	2 7	24 9	0 47	19 27	2 34	14 12	1 1	8 20	2 41	11 21	0 31	9 54	0 51	4 49	17 5	22 15	22 6	5 16	17 56	5 23
W 3	22 0	2 20	5 4	25 29	2 10	24 14	0 49	19 26	2 37	14 16	1 1	8 19	2 41	11 20	0 31	9 54	0 51	4 49	17 4	22 15	22 6	5 14	17 56	5 23
T 4	22 9	2n12	5 11	25 35	2 13	24 18	0 52	19 26	2 39	14 19	1 1	8 18	2 40	11 19	0 31	9 54	0 51	4 49	17 4	22 16	22 6	5 11	17 57	5 23
F 5	22 17	6 43	5 4	25 40	2 15	24 21	0 54	19 26	2 41	14 23	1 1	8 17	2 40	11 19	0 31	9 54	0 51	4 49	17 4	22 17	22 7	5 9	17 57	5 23
S 6	22 25	11 2	4 43	25 43	2 16	24 23	0 56	19 26	2 44	14 27	1 1	8 17	2 40	11 18	0 31	9 54	0 51	4 49	17 4	22 17	22 7	5 6	17 57	5 23
S 7	22 32	14 59	4 8	25 45	2 18	24 25	0 58	19 27	2 46	14 30	1 1	8 16	2 40	11 18	0 31	9 53	0 51	4 49	17 3	22 18	22 8	5 4	17 58	5 23
M 8	22 39	18 18	3 20	25 46	2 19	24 26	1 0	19 27	2 49	14 34	1 1	8 15	2 39	11 17	0 31	9 53	0 51	4 49	17 3	22 19	22 8	5 2	17 58	5 23
T 9	22 46	20 47	2 21	25 44	2 19	24 26	1 2	19 28	2 51	14 38	1 1	8 15	2 39	11 17	0 31	9 53	0 51	4 49	17 3	22 19	22 9	4 59	17 58	5 23
W10	22 52	22 11	1 13	25 42	2 19	24 26	1 4	19 29	2 54	14 41	1 1	8 14	2 39	11 16	0 31	9 52	0 51	4 49	17 3	22 20	22 9	4 57	17 58	5 23
T 11	22 57	22 20	0n 0	25 38	2 18	24 25	1 6	19 31	2 57	14 45	1 1	8 14	2 39	11 16	0 31	9 52	0 50	4 49	17 2	22 20	22 9	4 54	17 58	5 23
F 12	23 2	21 9	1 15	25 32	2 17	24 23	1 8	19 32	2 59	14 48	1 1	8 13	2 38	11 15	0 31	9 52	0 50	4 49	17 2	22 20	22 10	4 52	17 59	5 23
S 13	23 7	18 41	2 26	25 25	2 15	24 20	1 10	19 34	3 2	14 52	1 1	8 13	2 38	11 15	0 31	9 52	0 50	4 49	17 2	22 20	22 10	4 50	17 59	5 23
S 14	23 11	15 8	3 28	25 17	2 13	24 16	1 12	19 36	3 4	14 55	1 1	8 12	2 38	11 14	0 31	9 51	0 50	4 49	17 1	22 19	22 11	4 47	17 59	5 23
M15	23 15	10 42	4 19	25 7	2 9	24 12	1 13	19 38	3 7	14 59	1 1	8 12	2 38	11 14	0 31	9 51	0 50	4 49	17 1	22 19	22 11	4 45	17 59	5 23
T 16	23 18	5 40	4 55	24 56	2 5	24 7	1 15	19 41	3 10	15 2	1 1	8 12	2 37	11 14	0 31	9 51	0 50	4 49	17 1	22 19	22 12	4 42	17 59	5 24
W17	23 21	0 20	5 13	24 43	2 1	24 1	1 17	19 43	3 12	15 5	1 1	8 11	2 37	11 13	0 31	9 50	0 50	4 49	17 1	22 19	22 12	4 40	17 59	5 24
T 18	23 23	5s 2	5 11	24 29	1 55	23 55	1 18	19 46	3 15	15 9	1 1	8 11	2 37	11 13	0 31	9 50	0 50	4 49	17 0	22 20	22 13	4 38	17 59	5 24
F 19	23 25	10 8	4 51	24 14	1 49	23 47	1 20	19 50	3 17	15 12	1 1	8 11	2 36	11 13	0 31	9 49	0 50	4 49	17 0	22 20	22 13	4 35	18 0	5 24
S 20	23 26	14 39	4 13	23 58	1 41	23 39	1 21	19 53	3 20	15 15	1 1	8 11	2 36	11 12	0 31	9 49	0 50	4 49	17 0	22 20	22 13	4 33	18 0	5 24
S 21	23 27	18 19	3 21	23 42	1 32	23 31	1 23	19 57	3 23	15 18	1 1	8 11	2 36	11 12	0 31	9 49	0 50	4 48	16 59	22 21	22 14	4 30	18 0	5 24
M22	23 27	20 54	2 17	23 24	1 23	23 21	1 24	20 1	3 25	15 22	1 2	8 10	2 36	11 12	0 31	9 48	0 50	4 48	16 59	22 21	22 14	4 28	18 0	5 24
T 23	23 27	22 15	1 7	23 6	1 12	23 11	1 26	20 5	3 28	15 25	1 2	8 10	2 35	11 11	0 31	9 48	0 50	4 48	16 59	22 21	22 15	4 26	18 0	5 24
W24	23 27	22 19	0s 5	22 47	1 0	23 0	1 27	20 9	3 31	15 28	1 2	8 10	2 35	11 11	0 31	9 47	0 50	4 48	16 58	22 21	22 15	4 23	18 0	5 24
T 25	23 26	21 11	1 16	22 28	0 47	22 49	1 28	20 14	3 33	15 31	1 2	8 10	2 35	11 11	0 31	9 47	0 50	4 48	16 58	22 21	22 15	4 21	18 0	5 25
F 26	23 24	19 1	2 21	22 9	0 33	22 37	1 29	20 19	3 36	15 34	1 2	8 10	2 34	11 11	0 31	9 46	0 50	4 48	16 58	22 21	22 16	4 18	18 0	5 25
S 27	23 22	16 1	3 18	21 51	0 17	22 24	1 30	20 24	3 38	15 37	1 2	8 11	2 34	11 10	0 31	9 46	0 50	4 47	16 57	22 21	22 16	4 16	18 0	5 25
S 28	23 20	12 23	4 5	21 33	0 1	22 10	1 32	20 29	3 41	15 40	1 2	8 11	2 34	11 10	0 31	9 45	0 50	4 47	16 57	22 21	22 17	4 13	18 0	5 25
M29	23 17	8 19	4 42	21 16	0n17	21 56	1 33	20 34	3 43	15 43	1 2	8 11	2 34	11 10	0 31	9 45	0 50	4 47	16 57	22 21	22 17	4 11	18 0	5 25
T 30	23 14	3 58	5 5	21 0	0 35	21 41	1 33	20 40	3 46	15 46	1 2	8 11	2 33	11 10	0 31	9 44	0 50	4 47	16 56	22 20	22 18	4 8	18 0	5 26
W31	23s10	0n32	5s16	20s45	0n54	21s26	1s34	20n46	3n48	15s49	1n 2	8n11	2s33	11n10	0s31	9s44	0s50	4s47	16s56	22n20	22n18	4s 6	18s 0	5n26

Julian Day Number = 2397457.5, Delta T = 9.90 sec
Ecliptic obliquity = 23°27'27, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°40'21, Lahiri = 21°47'21