

Astrodienst Ephemeris Tables for the year 2011

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

JANUARY 2011 00:00 UT

•															••••	
Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	Р	n	u	Ç	& &	Day
S 1	6 41 13	10 ට 12'11	29 M 14	19 ×7 50	23 M .34	18 ට 22	26 ∺ 33	16 ≏ 40	26 ∺ 58	26≈44	5 る 20	2 ප් 46	2 ප 18	20 ∺ 53	27≈37	S 1
S 2	6 45 9	11°13'21	12 × 39	20° 9	24°32	19° 9	26°41	16°42	26°59	26°46	5°22	2°46	2°15	20°59	27°40	S 2
M 3	6 49 6	12°14'32	25°51	20°35	25°30	19°55	26°49	16°45	27° 0	26°48	5°24	2°47	2°12	21° 6	27°43	M 3
T 4	6 53 3	13°15'43	8 국 49	21° 8	26°29	20°42	26°58	16°47	27° 2	26°49	5°26	2°R47	2° 9	21°13	27°47	T 4
W 5	6 56 59	14°16'54	21°34	21°46	27°28	21°28	27° 6	16°49	27° 3	26°51	5°28	2°46	2° 6	21°20	27°50	W 5
T 6	7 0 56	15°18'04	4≈ 5	22°30	28°28	22°15	27°15	16°52	27° 5	26°53	5°31	2°45	2° 3	21°26	27°53	T 6
F 7	7 4 52	16°19'15	16°24	23°19	29°28	23° 2	27°24	16°54	27° 6	26°55	5°33	2°43	1°59	21°33	27°56	F 7
S 8	7 8 49	17°20'25	28°31	24°12	0 √ 29	23°48	27°33	16°56	27° 8	26°57	5°35	2°41	1°56	21°40	28° 0	S 8
S 9	7 12 45	18°21'35	10 ∺ 30	25° 9	1°30	24°35	27°42	16°58	27°10	26°58	5°37	2°38	1°53	21°46	28° 3	S 9
M10	7 16 42	19°22'44	22°24	26° 9	2°32	25°22	27°51	16°59	27°11	27° 0	5°39	2°36	1°50	21°53	28° 7	M10
T 11	7 20 38	20°23'53	4 Υ15	27°12	3°33	26° 8	28° 1	17° 1	27°13	27° 2	5°41	2°35	1°47	22° 0	28°10	T 11
W12	7 24 35	21°25'01	16° 9	28°18	4°36	26°55	28°10	17° 3	27°15	27° 4	5°43	2°D34	1°44	22° 7	28°13	W12
T 13	7 28 31	22°26'09	28°10	29°27	5°38	27°42	28°20	17° 4	27°17	27° 6	5°45	2°34	1°40	22°13	28°17	T 13
F 14	7 32 28	23°27'16	10824	0 云 37	6°41	28°29	28°30	17° 6	27°19	27° 8	5°48	2°35	1°37	22°20	28°20	F 14
S 15	7 36 25	24°28'23	22°53	1°50	7°44	29°16	28°40	17° 7	27°20	27°10	5°50	2°36	1°34	22°27	28°24	S 15
S 16	7 40 21	25°29'29	5∏44	3° 4	8°48	0≈ 3	28°50	17° 8	27°22	27°12	5°52	2°38	1°31	22°33	28°28	S 16
M17	7 44 18	26°30'34	18°57	4°20	9°52	0°49	29° 0	17° 9	27°24	27°14	5°54	2°39	1°28	22°40	28°31	M17
T 18	7 48 14	27°31'39	2936	5°37	10°56	1°36	29°10	17°10	27°27	27°16	5°56	2°R40	1°24	22°47	28°35	T 18
W19	7 52 11	28°32'43	16°39	6°56	12° 0	2°23	29°20	17°11	27°29	27°18	5°58	2°39	1°21	22°54	28°39	W19
T 20	7 56 7	29°33'47	1 Q 3	8°16	13° 5	3°10	29°31	17°11	27°31	27°20	6° 0	2°37	1°18	23° 0	28°42	T 20
F 21	8 0 4	0≈34'49	15°43	9°37	14°10	3°57	29°42	17°12	27°33	27°22	6° 2	2°34	1°15	23° 7	28°46	F 21
S 22	8 4 1	1°35'52	0 m /31	10°59	15°15	4°44	29°52	17°13	27°35	27°24	6° 4	2°29	1°12	23°14	28°50	S 22
S 23	8 7 57	2°36'53	15°19	12°22	16°20	5°31	0 Υ 3	17°13	27°37	27°26	6° 6	2°25	1° 9	23°21	28°54	S 23
M24	8 11 54	3°37'54	0 亞 1	13°47	17°26	6°19	0°14	17°13	27°40	27°29	6° 8	2°21	1° 5	23°27	28°57	M24
T 25	8 15 50	4°38'55	14°29	15°12	18°32	7° 6	0°25	17°14	27°42	27°31	6°10	2°18	1° 2	23°34	29° 1	T 25
W26	8 19 47	5°39'55	28°41	16°38	19°38	7°53	0°36	17°R14	27°44	27°33	6°12	2°16	0°59	23°41	29° 5	W26
T 27	8 23 43	6°40'55	12 M .34	18° 4	20°45	8°40	0°47	17°14	27°47	27°35	6°14	2°D16	0°56	23°47	29° 9	T 27
F 28	8 27 40	7°41'54	26° 9	19°32	21°51	9°27	0°59	17°13	27°49	27°37	6°16	2°17	0°53	23°54	29°13	F 28
S 29	8 31 36	8°42'53	9 ₹ 26	21° 0	22°58	10°14	1°10	17°13	27°52	27°39	6°17	2°19	0°50	24° 1	29°17	S 29
S 30	8 35 33	9°43'51	22°28	22°30	24° 5	11° 2	1°22	17°13	27°54	27°41	6°19	2°20	0°46	24° 8	29°21	S 30
M31	8 39 30	10≈44'48	5 ਰ 17	24중 0	25 ₹ 12	11 ≈ 49	1 Y 33	17 ≏ 12	27 米 57	27≈44	6 ප 21	2°R21	0 ප 43	24) 14	29≈25	M31

Day	0	D)	ζ	5	Q		C	?	2	ł	ħ	ı)į	ξ(4	(E	2	n	Ω	Ç	ď	Š
	decl	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23 s 3	22 s50	2 s 5 5	20s13	2n50	15s16	3n30	23 s10	0s59	2 s32	1 s 1 6	4s19	2n25	1 s53	0 s44	13 s 3	0 s29	18s50	4n30	23 s25	23 s25	1n 1	6 s 5 4	5n45
S 2	22 58	24 7	1 49	20 21	2 44	15 30	3 30	23 3	1 0	2 29	1 16	4 20	2 25	1 53	0 44	13 3	0 29	18 50	4 30	23 25	23 25	1 4	6 53	5 44
M 3	22 52				2 37			22 57	1 0	2 25	1 16	4 21	2 25	1 52	-		0 29	18 50		23 25		1 7	6 52	5 44
T 4				20 39	2 29		3 31		1 0	2 22	1 15	4 21	2 25	1 51	0 44		0 29	18 50		23 25		1 10	6 52	5 44
W 5 T 6	22 40 22 34		1 42 2 45	20 50 21 1	2 21 2 13	16 10 16 24	3 31	22 43 22 36	1 0	2 18 2 14	1 15 1 15	4 22 4 23	2 26 2 26	1 51 1 50	0 44 0 44		0 29 0 29	18 50 18 50		23 25 23 25		1 12 1 15	6 51 6 50	5 44 5 43
F 7	22 26			21 12				22 28	1 1	2 11	1 15	4 23	2 26	1 49	-		0 29	18 50		23 25		1 18	6 49	5 43
S 8	22 19			21 23		16 50		22 21	1 1	2 7	1 14	4 24	2 26	1 49	-	12 59	0 29			23 25		1 21	6 48	5 43
S 9	22 11	3 7	4 52	21 35	1 46	17 3	3 29	22 13	1 1	2 3	1 14	4 24	2 27	1 48	0 44	12 58	0 29	18 50	4 30	23 25	23 25	1 24	6 47	5 42
M10	22 2	1n44	5 10	21 46	1 37	17 16	3 28	22 4	1 2	1 59	1 14	4 25	2 27	1 47	0 44	12 58	0 29	18 50		23 25		1 26	6 46	5 42
1	21 53			21 57	1 28			21 56		1 55	1 14	4 25	2 27	1 47		12 57	0 29				23 26	1 29	6 45	5 42
		11 4		22 7	1 19			21 47	1 2	1 51	1 14	4 25	2 28	1 46		12 56	0 29				23 26	1 32	6 44	-
			4 45 4 9	22 17 22 26	1 10 1 0		3 25	21 38 21 29	1 2	1 47 1 43	1 13 1 13	4 26 4 26	2 28 2 28	1 45 1 44		12 56 12 55	0 29 0 29			23 25 23 25		1 35 1 38	6 43 6 42	5 41 5 41
				22 34		18 17		21 19	1 3		1 13	4 26	2 28	1 43		12 54	0 29				23 26	1 40	6 41	5 41
S 16	21 2	23 36	2 23	22 42	0 43	18 28	3 20	21 10	1 3	1 35	1 13	4 26	2 29	1 43	0 44	12 54	0 29	18 49	4 29	23 25	23 26	1 43	6 40	5 41
M17	20 51			22 48		18 39	3 19		1 3	1 31	1 13	4 26	2 29	1 42		12 53	0 29			23 25		1 46	6 39	5 41
T 18				22 54	0 25			20 49	1 3	1 26	1 12	4 27	2 29	1 41		12 52	0 29			23 25		1 49	6 38	5 40
1	20 27			22 59	0 17	19 1		20 39	1 3	1 22	1 12	4 27	2 30	1 40		12 52	0 29			23 25		1 51	6 37	5 40
T 20			2 30		0 8			20 28	1 3	1 18	1 12	4 27	2 30	1 39		12 51	0 29			23 25		1 54	6 36	5 40
F 21 S 22	20 2 19 48		3 34 4 25			19 21 19 30		20 18 20 6		1 13 1 9	1 12 1 12	4 27 4 27	2 30 2 30	1 38 1 37		12 50 12 50	0 29 0 29				23 26 23 26	1 57 2 0	6 35 6 34	5 40
S 23				_ ,																				
M24	19 34 19 20		4 59 5 12		0 16 0 23		3 6 3 3		1 4 1 4	1 4	1 12 1 11	4 26 4 26	2 31 2 31	1 37 1 36			0 29 0 29			23 25	23 26	2 2 2 2	6 33 6 32	5 39 5 39
T 25	19 6		-	23 5	0 23	19 57	3 0		1 4	0 55	1 11	4 26	2 31	1 35		-	0 29	18 49			23 26	2 8	6 31	5 39
W26					0 38				1 4	0 51	1 11	4 26	2 32	1 34			0 29	18 49		23 25		2 11	6 30	5 39
T 27	18 36	19 23	3 59	22 58	0 45	20 12	2 55		1 4	0 46	1 11	4 26	2 32	1 33	0 43		0 29	18 49		23 25		2 13	6 28	5 39
F 28	18 21			22 52		20 20		18 55	1 4	0 41	1 11	4 25	2 32	1 32		12 45	0 29			23 25		2 16	6 27	5 38
S 29	18 5	23 52	2 2	22 45	0 58	20 26	2 49	18 42	1 4	0 37	1 11	4 25	2 32	1 31	0 43	12 44	0 29	18 49	4 29	23 25	23 26	2 19	6 26	5 38
S 30	17 49			22 37		20 33		18 30		0 32	1 10	4 25	2 33	1 30		12 44					23 26	2 22	6 25	
M31	17 s32	23 s 4	0n16	22 s28	1 s 1 0	20 s38	2n43	18 s17	1s 4	0 s27	1 s10	4 s24	2n33	1 s29	0 s43	12 s43	0 s29	18 s49	4n29	23 s25	23 s26	2n24	6 s 2 4	5n38

Julian Day Number = 2455562.5, Delta T = 66.32 sec Ecliptic obliquity = $23^{\circ}26'16$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}53'38$, Lahiri = $24^{\circ}00'39$

FEBRUARY 2011 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	Р	n	U	Ç	, k	Day
T 1	8 43 26	11≈45'44	17 云 53	25 궁 30	26 × ⁷ 20	12≈36	1 Y 45	17°R12	27 米 59	27≈46	6 ට 23	2°R20	0중40	24) (21	29≈29	T 1
W 2	8 47 23	12°46'40	0≈20	27° 2	27°27	13°23	1°57	17 ≏ 11	28° 2	27°48	6°25	2 ਰ 16	0°37	24°28	29°33	W 2
T 3	8 51 19	13°47'34	12°37	28°34	28°35	14°11	2° 9	17°10	28° 5	27°50	6°27	2°11	0°34	24°34	29°37	T 3
F 4	8 55 16	14°48'28	24°46	0≈ 7	29°43	14°58	2°21	17° 9	28° 7	27°53	6°29	2° 3	0°30	24°41	29°41	F 4
S 5	8 59 12	15°49'20	6) 48	1°40	0 궁 51	15°45	2°33	17° 9	28°10	27°55	6°30	1°55	0°27	24°48	29°45	S 5
S 6	9 3 9	16°50'11	18°45	3°14	1°59	16°33	2°45	17° 7	28°13	27°57	6°32	1°46	0°24	24°55	29°49	S 6
M 7	9 7 5	17°51'00	0 Ƴ 37	4°50	3° 8	17°20	2°58	17° 6	28°16	27°59	6°34	1°37	0°21	25° 1	29°53	M 7
T 8	911 2	18°51'48	12°28	6°25	4°16	18° 7	3°10	17° 5	28°18	28° 2	6°35	1°30	0°18	25° 8	29°57	T 8
W 9	9 14 59	19°52'35	24°20	8° 2	5°25	18°55	3°22	17° 3	28°21	28° 4	6°37	1°24	0°15	25°15	0 ∺ 1	W 9
T 10	9 18 55	20°53'21	6819	9°39	6°34	19°42	3°35	17° 2	28°24	28° 6	6°39	1°21	0°11	25°22	0° 5	T 10
F 11	9 22 52	21°54'04	18°28	11°18	7°43	20°29	3°47	17° 0	28°27	28° 8	6°41	1°D19	0° 8	25°28	0° 9	F 11
S 12	9 26 48	22°54'47	0П52	12°57	8°52	21°17	4° 0	16°59	28°30	28°11	6°42	1°19	0° 5	25°35	0°13	S 12
S 13	9 30 45	23°55'27	13°36	14°36	10° 1	22° 4	4°13	16°57	28°33	28°13	6°44	1°20	0° 2	25°42	0°17	S 13
M14	9 34 41	24°56'06	26°45	16°17	11°10	22°51	4°26	16°55	28°36	28°15	6°45	1°R21	29 × 759	25°48	0°21	M14
T 15	9 38 38	25°56'44	109522	17°59	12°19	23°39	4°39	16°53	28°39	28°17	6°47	1°21	29°56	25°55	0°25	T 15
W16	9 42 34	26°57'19	24°27	19°41	13°29	24°26	4°51	16°51	28°42	28°20	6°48	1°19	29°52	26° 2	0°29	W16
T 17	9 46 31	27°57'53	9Ω 0	21°24	14°38	25°13	5° 4	16°49	28°45	28°22	6°50	1°14	29°49	26° 9	0°33	T 17
F 18	9 50 28	28°58'25	23°55	23° 8	15°48	26° 1	5°18	16°46	28°48	28°24	6°52	1° 7	29°46	26°15	0°37	F 18
S 19	9 54 24	29°58'56	9 m) 5	24°53	16°58	26°48	5°31	16°44	28°51	28°27	6°53	0°58	29°43	26°22	0°42	S 19
S 20	9 58 21	0 ¥ 59'25	24°18	26°39	18° 8	27°36	5°44	16°42	28°54	28°29	6°54	0°49	29°40	26°29	0°46	S 20
M21	10 2 17	1°59'53	9 ₾ 25	28°26	19°18	28°23	5°57	16°39	28°57	28°31	6°56	0°40	29°36	26°35	0°50	M21
T 22	10 6 14	3° 0'20	24°15	0) (14	20°28	29°10	6°10	16°36	29° 0	28°33	6°57	0°33	29°33	26°42	0°54	T 22
W23	10 10 10	4° 0'45	8 M .42	2° 3	21°38	29°58	6°24	16°34	29° 4	28°36	6°59	0°28	29°30	26°49	0°58	W23
T 24	10 14 7	5° 1'08	22°43	3°52	22°49	0 ∺ 45	6°37	16°31	29° 7	28°38	7° 0	0°25	29°27	26°56	1° 2	T 24
F 25	10 18 3	6° 1'31	6 ₹ 19	5°43	23°59	1°33	6°51	16°28	29°10	28°40	7° 1	0°D24	29°24	27° 2	1° 6	F 25
S 26	10 22 0	7° 1'52	19°31	7°34	25° 9	2°20	7° 4	16°25	29°13	28°42	7° 3	0°25	29°21	27° 9	1°10	S 26
S 27	10 25 57	8° 2'12	2 ප් 22	9°27	26°20	3° 7	7°18	16°22	29°17	28°45	7° 4	0°R25	29°17	27°16	1°14	S 27
M28	10 29 53	9 光 2'30	14 궁 57	11 米 20	27 る 31	3 ∺ 55	7 Υ 32	16 Ω 19	29 米 20	28≈47	7중 5	0 궁 24	29 × 14	27) 23	1) 18	M28

Day	0	Ž)	ζ	5	ς	?	ď	7	2	+	ħ	l.)į	(Ä	ħ	E)	n	ß	Ç	Š	
	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	17 s16	20 s52	1n23	22 s17	1 s 1 6	20 s44	2n40	18s 3	1s 5	0 s22	1 s10	4 s24	2n33	1 s28	0 s43	12 s42	0 s29	18 s48	4n29	23 s25	23 s26	2n27	6 s 2 3	5n38
W 2	16 58	17 42	2 26	22 5	1 22	20 48	2 36	17 50	1 5	0 18	1 10	4 23	2 33	1 26	0 43	12 41	0 29	18 48	4 29	23 25	23 26	2 30	6 21	5 38
T 3	16 41	13 48	3 21	21 52	1 27	20 53	2 33	17 36	1 5	0 13	1 10	4 23	2 34	1 25	0 43	12 41	0 29	18 48	4 29	23 25	23 26	2 33	6 20	5 38
F 4	16 23	9 24	4 5	21 37	1 32	20 56	2 30	17 23	1 5	0 8	1 10	4 22	2 34	1 24	0 43	12 40	0 29	18 48	4 29	23 25	23 26	2 35	6 19	5 37
S 5	16 6	4 42	4 39	21 21	1 36	21 0	2 26	17 9	1 5	0 3	1 9	4 21	2 34	1 23	0 43	12 39	0 29	18 48	4 29	23 25	23 26	2 38	6 18	5 37
S 6	15 47	0n 9	5 0	21 4	1 41	21 3	2 23	16 54	1 5	0n 2	1 9	4 21	2 35	1 22	0 43	12 38	0 29	18 48	4 29	23 26	23 26	2 41	6 16	5 37
M 7	15 29	4 57	5 7	20 45	1 45	21 5	2 19	16 40	1 5	0 7	1 9	4 20	2 35	1 21	0 43	12 38	0 29	18 48	4 29	23 26	23 26	2 44	6 15	5 37
T 8	15 10	9 33	5 2	20 25	1 48	21 6	2 16	16 26	1 5	0 12	1 9	4 19	2 35	1 20	0 43	12 37	0 29	18 48	4 29	23 26	23 26	2 46	6 14	5 37
W 9	14 51	13 49	4 43	20 3	1 52	21 8	2 12	16 11	1 5	0 17	1 9	4 18	2 35	1 19	0 43	12 36	0 29	18 48	4 29	23 26	23 26	2 49	6 12	5 37
T 10	14 32	17 36	4 12	19 41	1 55	21 8	2 8	15 56	1 5	0 22	1 9	4 18	2 36	1 17	0 43	12 35	0 29	18 48	4 29	23 26	23 26	2 52	6 11	5 37
F 11	14 12	20 41	3 30	19 16	1 58	21 8	2 5	15 41	1 5	0 27	1 9	4 17	2 36	1 16	0 43	12 34	0 29	18 48	4 29	23 26	23 26	2 54	6 10	5 37
S 12	13 53	22 53	2 36	18 51	2 0	21 8	2 1	15 26	1 5	0 33	1 8	4 16	2 36	1 15	0 43	12 34	0 29	18 48	4 29	23 26	23 26	2 57	6 8	5 37
S 13	13 33	23 59	1 34	18 24	2 2	21 7	1 57	15 11	1 5	0 38	1 8	4 15	2 36	1 14	0 43	12 33	0 29	18 48	4 29		23 26	3 0	6 7	5 36
M14	13 13	23 49	0 25	17 55	2 4	21 5	1 53	14 55	1 5	0 43	1 8	4 14	2 37	1 13	0 43	12 32	0 29	18 47	4 29		23 26	3 3	6 6	5 36
T 15	12 52	22 14	0 s48	17 25	2 5	21 3	1 50	14 39	1 5	0 48	1 8	4 13	2 37	1 11	0 43	12 31	0 29	18 47	4 29	23 26	23 26	3 5	6 4	5 36
W16	12 32	19 15	2 0	16 54	2 6	21 0	1 46	14 24	1 5	0 53	1 8	4 12	2 37	1 10	0 43	12 31	0 29	18 47	4 29	23 26	23 26	3 8	6 3	5 36
T 17	12 11	15 0	3 7	16 21	2 6	20 57	1 42	14 8	1 5	0 59	1 8	4 11	2 37	1 9	0 43	12 30	0 29	18 47	4 29	23 26	23 26	3 11	6 2	5 36
F 18	11 50	9 43	4 3	15 47	2 6	20 53	1 38	13 52	1 5	1 4	1 8	4 10	2 38	1 8	0 43	12 29	0 29	18 47	4 29	23 26	23 26	3 13	6 0	5 36
S 19	11 29	3 48	4 42	15 12	2 6	20 48	1 34	13 35	1 5	1 9	1 8	4 9	2 38	1 7	0 43	12 28	0 29	18 47	4 29	23 26	23 26	3 16	5 59	5 36
S 20	11 7	2 s22	5 2	14 35	2 5	20 43	1 30	13 19	1 5	1 15	1 8	4 8	2 38	1 5	0 43	12 27	0 29	18 47	4 29	23 26	23 26	3 19	5 58	5 36
M21	10 46	8 20	5 0	13 57	2 4	20 38	1 26	13 3	1 4	1 20	1 7	4 6	2 38	1 4	0 43	12 27	0 29	18 47	4 29	23 26	23 26	3 22	5 56	5 36
T 22	10 24	13 43	4 39	13 17	2 2	20 32	1 22	12 46	1 4	1 25	1 7	4 5	2 39	1 3	0 43	12 26	0 29	18 47	4 29	23 26	23 26	3 24	5 55	5 36
W23	10 2	18 10	3 59	12 36	2 0		1 18	12 29	1 4		1 7	4 4	2 39	1 2		12 25		18 47	4 29		23 26	3 27	5 53	5 36
T 24	9 40	21 27	3 7	11 54	1 57	20 17	1 14	12 12	1 4	1 36	1 7	4 3	2 39	1 0		12 24		18 47	4 29	23 26	23 26	3 30	5 52	5 36
F 25	9 18	23 24	2 5	11 10	1 54	20 10	1 10	11 55	1 4	1 42	1 7	4 1	2 39	0 59	0 43	12 24	0 29	18 46			23 26	3 32	5 51	5 36
S 26	8 56	23 59	0 58	10 26	1 50	20 1	1 6	11 38	1 4		1 7	4 0	2 39	0 58	0 43	12 23	0 29	18 46			23 26	3 35	5 49	5 36
S 27	8 33	23 15	0n10	9 39	1 45	19 52	1 2	11 21	1 4	1 52	1 7	3 59	2 40	0 56	0 43	12 22			4 29	23 26	23 26	3 38	5 48	5 36
M28	8 s 1 1	21 s20	1n17	8 s 5 2	1 s40	19 s42	0n58	11s 4	1 s 4	1n58	1 s 7	3 s 5 7	2n40	0 s55	0 s43	12 s21	0 s29	18 s46	4n29	23 s26	23 s26	3n41	5 s46	5n36

Julian Day Number = 2455593.5, Delta T = 66.35 sec

Ecliptic obliquity = $23^{\circ}26'16$, Nutation = $0^{\circ}00'19$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}53'42$, Lahiri = $24^{\circ}00'43$

MARCH 2011 00:00 UT

Davi	Sid.t	0	7	×	0	7	٠.	+),(),(Ъ	0	_	•	k	Davi
Day		0	D	ğ	φ	ď	4	ħ)∤(¥	Р	ß	U	Ç	ę,	Day
T 1	10 33 50	10 米 2'47	27 る 19	13) 13	28 중 41	4) (42	7 Ƴ 45	16°R15	29 米 23	28 ≈ 49	7 る 6	0°R21	29 × 11	27 米 29	1) 22	T 1
W 2	10 37 46	11° 3'02	9≈32	15° 8	29°52	5°30	7°59	16 ₽ 12	29°26	28°51	7° 8	0 궁 15	29° 8	27°36	1°27	W 2
T 3	10 41 43	12° 3'16	21°37	17° 3	1≈ 3	6°17	8°13	16° 9	29°30	28°54	7° 9	0° 6	29° 5	27°43	1°31	T 3
F 4	10 45 39	13° 3'27	3 ∺ 36	18°58	2°14	7° 4	8°27	16° 5	29°33	28°56	7°10	29 × 754	29° 1	27°49	1°35	F 4
S 5	10 49 36	14° 3'37	15°32	20°54	3°25	7°52	8°40	16° 2	29°36	28°58	7°11	29°40	28°58	27°56	1°39	S 5
S 6	10 53 32	15° 3'46	27°25	22°50	4°36	8°39	8°54	15°58	29°40	29° 0	7°12	29°26	28°55	28° 3	1°43	S 6
M 7	10 57 29	16° 3'52	9 Υ 17	24°45	5°47	9°26	9° 8	15°54	29°43	29° 3	7°13	29°12	28°52	28°10	1°47	M 7
T 8	11 1 25	17° 3'56	21° 9	26°41	6°58	10°14	9°22	15°51	29°46	29° 5	7°14	29° 0	28°49	28°16	1°51	T 8
W 9	11 5 22	18° 3'58	3 8 3	28°36	8° 9	11° 1	9°36	15°47	29°50	29° 7	7°15	28°50	28°46	28°23	1°55	W 9
T 10	11 9 19	19° 3'59	15° 3	0 Υ 29	9°21	11°48	9°50	15°43	29°53	29° 9	7°16	28°42	28°42	28°30	1°59	T 10
F 11	11 13 15	20° 3'57	27°11	2°22	10°32	12°35	10° 4	15°39	29°56	29°11	7°17	28°38	28°39	28°37	2° 3	F 11
S 12	11 17 12	21° 3'53	9∏32	4°13	11°43	13°23	10°19	15°35	29°59	29°13	7°18	28°36	28°36	28°43	2° 6	S 12
S 13	11 21 8	22° 3'47	22°11	6° 1	12°55	14°10	10°33	15°31	0 Υ 3	29°16	7°19	28°36	28°33	28°50	2°10	S 13
M14	11 25 5	23° 3'38	59913	7°48	14° 6	14°57	10°47	15°27	0° 7	29°18	7°20	28°36	28°30	28°57	2°14	M14
T 15	11 29 1	24° 3'28	18°40	9°31	15°18	15°44	11° 1	15°23	0°10	29°20	7°20	28°35	28°27	29° 3	2°18	T 15
W16	11 32 58	25° 3'15	2Ω 38	11°10	16°29	16°32	11°15	15°19	0°14	29°22	7°21	28°32	28°23	29°10	2°22	W16
T 17	11 36 54	26° 3'00	17° 4	12°46	17°41	17°19	11°30	15°14	0°17	29°24	7°22	28°26	28°20	29°17	2°26	T 17
F 18	11 40 51	27° 2'42	1 m 57	14°17	18°53	18° 6	11°44	15°10	0°20	29°26	7°23	28°18	28°17	29°24	2°30	F 18
S 19	11 44 48	28° 2'23	17°10	15°43	20° 4	18°53	11°58	15° 6	0°24	29°28	7°23	28° 8	28°14	29°30	2°33	S 19
S 20	11 48 44	29° 2'01	2 ॒ 32	17° 4	21°16	19°40	12°13	15° 1	0°27	29°30	7°24	27°56	28°11	29°37	2°37	S 20
M21	11 52 41	0 ℃ 1'38	17°51	18°19	22°28	20°27	12°27	14°57	0°31	29°32	7°25	27°45	28° 7	29°44	2°41	M21
T 22	11 56 37	1° 1'12	2 M 57	19°27	23°40	21°14	12°41	14°53	0°34	29°34	7°25	27°36	28° 4	29°50	2°45	T 22
W23	12 0 34	2° 0'45	17°39	20°29	24°52	22° 1	12°56	14°48	0°37	29°36	7°26	27°29	28° 1	29°57	2°48	W23
T 24	12 4 30	3° 0'16	1 ∡ 754	21°24	26° 3	22°48	13°10	14°44	0°41	29°38	7°26	27°25	27°58	0 Υ 4	2°52	T 24
F 25	12 8 27	3°59'45	15°39	22°12	27°15	23°35	13°25	14°39	0°44	29°40	7°27	27°23	27°55	0°11	2°56	F 25
S 26	12 12 23	4°59'13	28°56	22°52	28°27	24°22	13°39	14°35	0°48	29°42	7°27	27°23	27°52	0°17	2°59	S 26
S 27	12 16 20	5°58'39	11 る 49	23°25	29°39	25° 9	13°53	14°30	0°51	29°44	7°28	27°23	27°48	0°24	3° 3	S 27
M28	12 20 17	6°58'03	24°21	23°51	0) €51	25°56	14° 8	14°25	0°55	29°46	7°28	27°22	27°45	0°31	3° 6	M28
T 29	12 24 13	7°57'25	6≈37	24° 8	2° 3	26°43	14°22	14°21	0°58	29°48	7°28	27°19	27°42	0°38	3°10	T 29
W30	12 28 10	8°56'45	18°43	24°19	3°16	27°30	14°37	14°16	1° 1	29°50	7°29	27°13	27°39	0°44	3°13	W30
T 31	12 32 6	9 Ƴ 56'04	0) €41	24°R21	4) €28	28 米 17	14 Y 51	14 ₽ 11	1 Υ 5	29≈52	7 云 29	27 ₹ 5	27 ∡ 736	0 Υ 51	3 米 17	T 31

Day	0	D	ğ	φ	♂	4	ħ)Å(卉	Р	y v	Ç	ķ
	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 W 2	7 s48 7 25	18 s27 2n18 14 47 3 12	8s 3 1s35 7 13 1 29		10 s46 1 s 4 10 29 1 3	2n 3 1s 7 2 9 1 7	3 s 5 2 n 4 0 3 5 4 2 4 0	0 s 5 4 0 s 4 3 0 5 2 0 4 2			23 s26 23 s26 23 26 23 26	3n43 3 46	5 s 45 5 n 36 5 44 5 36
T 3 F 4 S 5	7 2 6 39 6 16	10 34 3 56 6 0 4 30 1 14 4 51	6 23 1 22 5 31 1 13 4 38 1		10 11 1 3 9 54 1 3 9 36 1 3	2 14 1 6 2 20 1 6 2 25 1 6	3 53 2 40 3 51 2 41 3 50 2 41	0 51 0 42 0 50 0 42 0 48 0 42		18 46 4 29	23 26 23 26 23 26 23 26 23 26 23 26	3 49 3 51 3 54	5 42 5 36 5 41 5 36 5 39 5 36
S 6 M 7 T 8	5 53 5 30	3n33 5 0 8 12 4 56	3 45 0 59 2 51 0 50	9 18 33 0 35 0 18 20 0 31	9 18 1 3 9 0 1 3	2 31 1 6 2 37 1 6	3 48 2 41 3 47 2 41	0 47 0 42 0 46 0 42	12 17 0 29 12 16 0 29	18 46 4 29 18 46 4 29	23 26 23 26 23 26 23 26	3 57 3 59	5 38 5 36 5 36 5 36
W 9 T 10 F 11	4 20	12 33 4 38 16 25 4 9 19 40 3 28 22 5 2 38	1 1 0 30 0 6 0 19	0 17 51 0 23	8 42 1 3 8 24 1 2 8 6 1 2 7 47 1 2	2 53 1 6	3 43 2 42 3 42 2 42			18 45 4 29 18 45 4 29	23 26 23 26 23 26 23 26 23 26 23 26 23 26 23 26	4 2 4 5 4 7 4 10	5 34 5 36 5 32 5 36
S 12 S 13		23 31 1 39 23 46 0 34	1 44 0n 4 2 38 0 10	4 17 5 0 12 6 16 48 0 8	7 29 1 2 7 11 1 2	3 4 1 6 3 10 1 6	3 38 2 42 3 37 2 42	0 39 0 42 0 38 0 42	12 12 0 29 12 11 0 29	18 45 4 29 18 45 4 29	23 26 23 26 23 26 23 26	4 13 4 15	5 29 5 36 5 28 5 36
M14 T 15 W16 T 17	-		3 31 0 28 4 24 0 43 5 15 0 54 6 4 1	1 16 14 0 1	6 52 1 1 6 34 1 1 6 15 1 1 5 56 1 1	3 16 1 6 3 21 1 6 3 27 1 5 3 33 1 5	3 35 2 42 3 33 2 42 3 32 2 43 3 30 2 43	0 36 0 42 0 35 0 42 0 33 0 42 0 32 0 42	12 10 0 29 12 9 0 30	18 45 4 30 18 45 4 30	23 26 23 26 23 26 23 26 23 26 23 26 23 26 23 26	4 18 4 21 4 23 4 26	5 26 5 36 5 25 5 36 5 24 5 36 5 22 5 36
F 18 S 19	1 11 0 47	6 35 4 29 0 33 4 55	6 51 1 19 7 36 1 32	2 15 0 0 13	5 38 1 0 5 19 1 0		3 28 2 43 3 26 2 43		12 7 0 30	18 45 4 30	23 26 23 26 23 25 23 26	4 29 4 31	5 21 5 37 5 19 5 37
S 20 M21 T 22	0 23 0n 1 0 24	5 s 3 5 4 5 9 1 1 2 1 4 4 2 1 6 2 0 4 5	8 59 1 5	5 14 40 0 16 7 14 20 0 20 9 13 59 0 23	5 0 1 0 4 42 1 0 4 23 0 59		3 25 2 43 3 23 2 43 3 21 2 43	0 28 0 42 0 27 0 42 0 25 0 42	12 6 0 30	18 44 4 30	23 25 23 26 23 25 23 25 23 25 23 25	4 34 4 37 4 39	5 18 5 37 5 16 5 37 5 15 5 37
W23 T 24 F 25	1 12		10 10 2 20 10 41 2 3 11 8 2 4	1 13 17 0 29	4 4 0 59 3 45 0 59 3 26 0 58	-	3 19 2 43 3 17 2 43 3 16 2 44	0 24 0 42 0 23 0 42 0 21 0 42	12 4 0 30	18 44 4 30	23 25 23 25 23 25 23 25 23 25 23 25	4 42 4 45 4 47	5 14 5 37 5 12 5 37 5 11 5 37
S 26 S 27	1 59	23 18 On 8	11 31 2 50 11 51 2 58	0 12 34 0 35	3 7 0 58 2 49 0 58	4 23 1 5	3 14 2 44 3 12 2 44	0 20 0 42	12 2 0 30	18 44 4 30	23 25 23 25 23 25 23 25 23 25 23 25	4 50 4 52	
M28 T 29 W30	2 46 3 9	18 59 2 17 15 31 3 11	-	5 11 49 0 41 1 11 26 0 44	2 30 0 58 2 11 0 57 1 52 0 57	4 35 1 5 4 40 1 5 4 46 1 5	3 10 2 44 3 8 2 44 3 6 2 44	0 17 0 42 0 16 0 42 0 16 0 42 0 14 0 42	12 1 0 30 12 0 0 30	18 44 4 30 18 44 4 30	23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25	4 55 4 58 5 0	5 7 5 38 5 5 5 38
T 31	3 33 3n56			8 10 s 39 0 s 50	1 32 0 37 1 s33 0 s57	4 46 1 3 4n51 1s 5	3 s 5 2 44 3 s 5 2 n 4 4				23 s24 23 s25 23 s24 23 s25	5 0 5n 3	

Julian Day Number = 2455621.5, Delta T = 66.37 sec Ecliptic obliquity = $23^{\circ}26'17$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}53'46$, Lahiri = $24^{\circ}00'47$

APRIL 2011 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	ß	Ω	Ç	ę,	Day
F 1	12 36 3	10 Y 55'20	12) (34	24°R17	5) (40	29) 4	15 Υ 6	14°R 7	1 Υ 8	29≈54	7 云 29	26°R53	27 × 33	0Υ58	3 ∺ 20	F 1
S 2	12 39 59	11°54'35	24°26	24 Y 5	6°52	29°51	15°20	14 º 2	1°12	29°55	7°30	26 ₮ 40	27°29	1° 4	3°24	S 2
S 3	12 43 56	12°53'48	6 Υ 18	23°47	8° 4	0 Υ 37	15°35	13°57	1°15	29°57	7°30	26°26	27°26	1°11	3°27	S 3
M 4	12 47 52	13°52'58	18°11	23°23	9°17	1°24	15°49	13°53	1°18	29°59	7°30	26°13	27°23	1°18	3°30	M 4
T 5	12 51 49	14°52'07	08 7	22°53	10°29	2°11	16° 4	13°48	1°22	0 ∺ 1	7°30	26° 1	27°20	1°25	3°34	T 5
W 6	12 55 46	15°51'14	12° 7	22°19	11°41	2°57	16°18	13°43	1°25	0° 2	7°30	25°51	27°17	1°31	3°37	W 6
T 7	12 59 42	16°50'18	24°14	21°40	12°53	3°44	16°33	13°39	1°28	0° 4	7°30	25°44	27°13	1°38	3°40	T 7
F 8	13 3 39	17°49'20	6 Ⅱ 28	20°58	14° 6	4°31	16°48	13°34	1°32	0° 6	7°30	25°40	27°10	1°45	3°44	F 8
S 9	13 7 35	18°48'21	18°54	20°14	15°18	5°17	17° 2	13°30	1°35	0° 8	7°R30	25°38	27° 7	1°51	3°47	S 9
S 10	13 11 32	19°47'18	1935	19°28	16°30	6° 4	17°17	13°25	1°38	0° 9	7°30	25°D38	27° 4	1°58	3°50	S 10
M11	13 15 28	20°46'14	14°35	18°42	17°43	6°50	17°31	13°20	1°42	0°11	7°30	25°R38	27° 1	2° 5	3°53	M11
T 12	13 19 25	21°45'07	27°57	17°56	18°55	7°37	17°46	13°16	1°45	0°12	7°30	25°38	26°58	2°12	3°56	T 12
W13	13 23 21	22°43'58	11 Ω 44	17°11	20° 8	8°23	18° 0	13°11	1°48	0°14	7°30	25°37	26°54	2°18	3°59	W13
T 14	13 27 18	23°42'47	25°58	16°27	21°20	9°10	18°14	13° 7	1°51	0°16	7°30	25°33	26°51	2°25	4° 2	T 14
F 15	13 31 15	24°41'33	10 m)37	15°47	22°33	9°56	18°29	13° 2	1°55	0°17	7°30	25°27	26°48	2°32	4° 5	F 15
S 16	13 35 11	25°40'17	25°36	15°10	23°45	10°42	18°43	12°58	1°58	0°19	7°30	25°19	26°45	2°39	4° 8	S 16
S 17	13 39 8	26°38'59	10 ≙ 47	14°36	24°57	11°29	18°58	12°53	2° 1	0°20	7°30	25°10	26°42	2°45	4°11	S 17
M18	13 43 4	27°37'39	26° 1	14° 7	26°10	12°15	19°12	12°49	2° 4	0°21	7°29	25° 2	26°38	2°52	4°13	M18
T 19	13 47 1	28°36'17	11 M 5	13°43	27°22	13° 1	19°27	12°44	2° 7	0°23	7°29	24°54	26°35	2°59	4°16	T 19
W20	13 50 57	29°34'53	25°52	13°23	28°35	13°47	19°41	12°40	2°11	0°24	7°29	24°49	26°32	3° 5	4°19	W20
T 21	13 54 54	0 8 33'27	10 × 14	13° 8	29°48	14°33	19°55	12°35	2°14	0°26	7°28	24°46	26°29	3°12	4°22	T 21
F 22	13 58 50	1°32'00	24° 8	12°58	1 Υ 0	15°19	20°10	12°31	2°17	0°27	7°28	24°D45	26°26	3°19	4°24	F 22
S 23	14 2 47	2°30'31	7 궁 33	12°D54	2°13	16° 5	20°24	12°27	2°20	0°28	7°28	24°46	26°23	3°26	4°27	S 23
S 24	14 643	3°29'00	20°32	12°54	3°25	16°51	20°38	12°23	2°23	0°30	7°27	24°47	26°19	3°32	4°29	S 24
M25	14 10 40	4°27'28	3≈ 8	12°59	4°38	17°37	20°53	12°19	2°26	0°31	7°27	24°R47	26°16	3°39	4°32	M25
T 26	14 14 37	5°25'54	15°26	13°10	5°51	18°23	21° 7	12°14	2°29	0°32	7°26	24°47	26°13	3°46	4°34	T 26
W27	14 18 33	6°24'19	27°31	13°25	7° 3	19° 9	21°21	12°10	2°32	0°33	7°26	24°44	26°10	3°52	4°37	W27
T 28	14 22 30	7°22'42	9) 28	13°45	8°16	19°55	21°36	12° 6	2°35	0°34	7°25	24°40	26° 7	3°59	4°39	T 28
F 29	14 26 26	8°21'03	21°20	14° 9	9°29	20°41	21°50	12° 2	2°38	0°36	7°25	24°34	26° 4	4° 6	4°41	F 29
S 30	14 30 23	9819'23	3 Υ 11	14 Y 37	10 ℃ 41	21 Y 27	22 ° 4	11 ≏ 59	2 Y 41	0 ∺ 37	7 궁 24	24 × 126	26 ₹ 0	4 Υ13	4) (43	S 30

Day	0	D		ğ		ç)	d	7	2	+	ŧ	l	ړ(β((В		n	v	Ç	ď	5
	decl	decl lat	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1 S 2	4n19 4 43	-	-	12n30 12 26	3n20 3 20	10s15 9 50	0s52 0 55	1 s14 0 55	0s56 0 56	4n57 5 3	1 s 5 1 5	3 s 3 3	2n44 2 44	0 s12 0 10		11 s58 11 58		18 s44 18 44			23 s25 23 25	5n 6 5 8	5 s 1 5 0	5n38 5 38
S 3 M 4	5 6 5 29	7 2 4 11 26 4		12 18 12 6	3 18 3 15	9 26 9 1	0 58 1 0	0 36 0 17	0 56 0 55	5 8 5 14	1 5 1 5	2 59 2 57	2 44 2 44	0 9 0 8	-	11 57 11 57	0 30 0 30	-			23 25 23 25	5 11 5 13	4 58 4 57	5 39 5 39
T 5 W 6 T 7		18 47 3	3 29	11 50 11 31 11 9	3 10 3 3 2 55	8 36 8 11 7 45	1 3 1 5 1 7	0n 2 0 21 0 39	0 55 0 54 0 54	5 19 5 25 5 31	1 5 1 5 1 5	2 55 2 54 2 52	2 44 2 44 2 44	0 6 0 5 0 4	0 42 0 42 0 42	11 56 11 55 11 55	0 30 0 30 0 30	18 43	4 31	23 22	23 25 23 25 23 25	5 16 5 19 5 21	4 56 4 54 4 53	5 39 5 39 5 39
F 8 S 9	7 0 7 22	23 2 1	1 40	10 44 10 17	2 45 2 34	7 19 6 53	1 9 1 11	0 58 1 17	0 54 0 53	5 36 5 42	1 5 1 5	2 50 2 48	2 44 2 44	0 2 0 1	0 42	11 54 11 54	0 30 0 30 0 30	18 43	4 31	23 22	23 24 23 24 23 24	5 24 5 27	4 52 4 50	5 39 5 40
S 10 M11 T 12 W13 T 14 F 15 S 16	8 29	21 0 1 17 54 2 13 44 3 8 42 4	3 40 4 25 4 54	9 48 9 18 8 47 8 15 7 44 7 13 6 44	2 22 2 8 1 54 1 38 1 22 1 6 0 49	6 27 6 1 5 34 5 8 4 41 4 14 3 46	1 14 1 16 1 17 1 19 1 21 1 23 1 24	1 36 1 55 2 13 2 32 2 51 3 9 3 28	0 53 0 52 0 52 0 52 0 51 0 51 0 50	5 47 5 53 5 58 6 4 6 9 6 15 6 20	1 5 1 5 1 5 1 5 1 5 1 5 1 5	2 46 2 45 2 43 2 41 2 39 2 38 2 36	2 44 2 44 2 44 2 44 2 44 2 44	0n 0 0 2 0 3 0 4 0 5 0 7 0 8	0 42 0 42 0 42 0 42 0 42	11 53 11 53 11 52 11 52 11 51 11 50	0 30 0 30 0 30 0 30 0 30 0 30 0 30	18 43 18 43 18 43 18 43	4 31 4 31 4 31 4 31 4 31	23 22 23 22 23 22 23 22 23 22 23 22	23 24 23 24 23 24 23 24 23 24 23 24 23 24	5 29 5 32 5 34 5 37 5 40 5 42 5 45	4 49 4 48 4 47 4 45 4 44 4 43 4 42	5 40 5 40 5 40 5 40 5 41 5 41 5 41
S 17 M18 T 19 W20 T 21 F 22 S 23	-	14 6 4 18 30 3 21 37 2 23 15 1 23 22 0		6 15 5 49 5 24 5 2 4 42 4 24 4 9	0 33 0 16 0s 0 0 16 0 32 0 47 1 1	3 19 2 52 2 24 1 56 1 29 1 1 0 33	1 26 1 27 1 29 1 30 1 31 1 32 1 34	3 46 4 5 4 23 4 41 5 0 5 18 5 36	0 50 0 50 0 49 0 49 0 48 0 48 0 47	6 26 6 31 6 37 6 42 6 47 6 53 6 58	1 5 1 5 1 5 1 5 1 5 1 5 1 5	2 34 2 33 2 31 2 29 2 28 2 26 2 25	2 44 2 44 2 44 2 44 2 44 2 43	0 9 0 10 0 12 0 13 0 14 0 15 0 17	0 42 0 42 0 42 0 42 0 43	11 49 11 49 11 49 11 48 11 48 11 47 11 47	0 30 0 30 0 30 0 30 0 30 0 30 0 30	18 43 18 43 18 43 18 43	4 31 4 31 4 31 4 31 4 31	23 21 23 20 23 20 23 20 23 20 23 20	23 24 23 24 23 24 23 24 23 23 23 23 23 23 23 23	5 47 5 50 5 53 5 55 5 58 6 0 6 3	4 40 4 39 4 38 4 37 4 36 4 35 4 33	5 41 5 41 5 42 5 42 5 42 5 42 5 42 5 43
S 24 M25 T 26 W27 T 28 F 29 S 30	12 41 13 0 13 20 13 39 13 58 14 17 14n36	16 21 3 12 24 3 8 3 4 3 26 4 1n16 5		3 57 3 47 3 40 3 35 3 33 3 33 3 33	1 15 1 28 1 40 1 51 2 2 2 12 2 s21	0 5 0n23 0 51 1 19 1 47 2 15 2n43	1 35 1 35 1 36 1 37 1 38 1 38	5 54 6 12 6 30 6 48 7 6 7 23 7n41	0 47 0 46 0 46 0 45 0 45 0 44 0 844	7 4 7 9 7 14 7 20 7 25 7 30 7n35	1 5 1 5 1 5 1 5 1 5 1 5 1 5	2 23 2 22 2 20 2 19 2 17 2 16 2 s14	2 43 2 43 2 43 2 43 2 43 2 43 2 143	0 18 0 19 0 20 0 21 0 23 0 24 0n25	0 43 0 43 0 43 0 43 0 43	-	0 30 0 30 0 30 0 30 0 30	18 43 18 43 18 43	4 31 4 31 4 31 4 31 4 31	23 20 23 20 23 20 23 20 23 20 23 20	23 23 23 23 23 23 23 23 23 23 23 23 23 23 23 823	6 5 6 8 6 11 6 13 6 16 6 18 6n21	4 32 4 31 4 30 4 29 4 28 4 27 4 \$26	5 43 5 43 5 43 5 44 5 44 5 44 5 144

Julian Day Number = 2455652.5, Delta T = 66.39 sec Ecliptic obliquity = $23^{\circ}26'16$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}53'51$, Lahiri = $24^{\circ}00'51$

MAY 2011 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)بُ(¥	Р	n	v	Ç	ķ	Day
S 1	14 34 19	10817'40	15 ° 4	15 Y 10	11 Y 54	22 Y 12	22 Y 18	11°R55	2Υ44	0 ∺ 38	7°R23	24°R17	25 × 757	4 Υ19	4) (46	S 1
M 2	14 38 16	11°15'57	27° 1	15°47	13° 7	22°58	22°32	11 ≏ 51	2°47	0°39	7 云 23	24 × 9	25°54	4°26	4°48	M 2
T 3	14 42 12	12°14'11	9 8 3	16°27	14°19	23°44	22°46	11°47	2°49	0°40	7°22	24° 2	25°51	4°33	4°50	T 3
W 4	14 46 9	13°12'24	21°13	17°11	15°32	24°29	23° 0	11°44	2°52	0°41	7°21	23°56	25°48	4°40	4°52	W 4
T 5	14 50 6	14°10'36	3Ⅲ32	17°59	16°45	25°15	23°14	11°40	2°55	0°42	7°21	23°52	25°44	4°46	4°54	T 5
F 6	14 54 2	15° 8'45	16° 0	18°50	17°58	26° 0	23°28	11°37	2°58	0°43	7°20	23°50	25°41	4°53	4°56	F 6
S 7	14 57 59	16° 6'53	28°39	19°44	19°10	26°46	23°42	11°33	3° 1	0°44	7°19	23°D50	25°38	5° 0	4°58	S 7
S 8	15 1 55	17° 4'59	11932	20°42	20°23	27°31	23°56	11°30	3° 3	0°44	7°18	23°51	25°35	5° 6	5° 0	S 8
M 9	15 5 52	18° 3'03	24°40	21°42	21°36	28°16	24°10	11°26	3° 6	0°45	7°17	23°52	25°32	5°13	5° 1	M 9
T 10	15 9 48	19° 1'05	8 N 6	22°46	22°49	29° 1	24°24	11°23	3° 9	0°46	7°16	23°54	25°29	5°20	5° 3	T 10
W11	15 13 45	19°59'05	21°51	23°52	24° 1	29°47	24°38	11°20	3°11	0°47	7°16	23°R54	25°25	5°27	5° 5	W11
T 12	15 17 41	20°57'03	5 m 55	25° 1	25°14	0 8 32	24°51	11°17	3°14	0°48	7°15	23°53	25°22	5°33	5° 7	T 12
F 13	15 21 38	21°54'59	20°18	26°12	26°27	1°17	25° 5	11°14	3°16	0°48	7°14	23°51	25°19	5°40	5° 8	F 13
S 14	15 25 35	22°52'53	4 ≙ 57	27°27	27°40	2° 2	25°19	11°11	3°19	0°49	7°13	23°48	25°16	5°47	5°10	S 14
S 15	15 29 31	23°50'46	19°46	28°43	28°53	2°47	25°32	11° 8	3°21	0°50	7°12	23°43	25°13	5°53	5°11	S 15
M16	15 33 28	24°48'37	4 M .38	0 8 2	0 ප 5	3°32	25°46	11° 6	3°24	0°50	7°11	23°39	25°10	6° 0	5°12	M16
T 17	15 37 24	25°46'26	19°25	1°24	1°18	4°17	25°59	11° 3	3°26	0°51	7°10	23°36	25° 6	6° 7	5°14	T 17
W18	15 41 21	26°44'14	4 ₹ 0	2°48	2°31	5° 2	26°13	11° 0	3°28	0°51	7° 9	23°34	25° 3	6°14	5°15	W18
T 19	15 45 17	27°42'01	18°16	4°14	3°44	5°47	26°26	10°58	3°31	0°52	7°8	23°D32	25° 0	6°20	5°16	T 19
F 20	15 49 14	28°39'46	2 ප 8	5°43	4°57	6°31	26°40	10°56	3°33	0°52	7° 6	23°33	24°57	6°27	5°18	F 20
S 21	15 53 10	29°37'30	15°36	7°14	6°10	7°16	26°53	10°53	3°35	0°53	7° 5	23°34	24°54	6°34	5°19	S 21
S 22	15 57 7	0耳35′13	28°39	8°47	7°23	8° 1	27° 6	10°51	3°38	0°53	7° 4	23°35	24°50	6°41	5°20	S 22
M23	16 1 4	1°32'55	11≈20	10°22	8°35	8°45	27°19	10°49	3°40	0°54	7° 3	23°37	24°47	6°47	5°21	M23
T 24	16 5 0	2°30'36	23°42	12° 0	9°48	9°30	27°32	10°47	3°42	0°54	7° 2	23°38	24°44	6°54	5°22	T 24
W25	16 8 57	3°28'15	5) (51	13°40	11° 1	10°14	27°46	10°45	3°44	0°54	7° 1	23°R38	24°41	7° 1	5°23	W25
T 26	16 12 53	4°25'54	17°49	15°22	12°14	10°59	27°59	10°43	3°46	0°55	7° 0	23°37	24°38	7° 7	5°23	T 26
F 27	16 16 50	5°23'32	29°42	17° 7	13°27	11°43	28°12	10°41	3°48	0°55	6°58	23°36	24°35	7°14	5°24	F 27
S 28	16 20 46	6°21'08	11 Y 34	18°53	14°40	12°28	28°24	10°40	3°50	0°55	6°57	23°34	24°31	7°21	5°25	S 28
S 29	16 24 43	7°18'44	23°29	20°42	15°53	13°12	28°37	10°38	3°52	0°55	6°56	23°31	24°28	7°28	5°26	S 29
M30	16 28 39	8°16'19	5 8 31	22°33	17° 6	13°56	28°50	10°37	3°54	0°55	<u>6</u> °54	23°29	24°25	7°34	5°26	M30
T 31	16 32 36	9 Ⅱ 13'53	17 8 41	24827	18 8 19	14840	29 ° 3	10 ≏ 35	3 Y 56	0 ∺ 55	6 궁 53	23 × 27	24 × ⁷ 22	7 Ƴ 41	5) 27	T 31

Day	0	D	ğ	Q	♂	4	ħ)Å(¥	Р	w v	Ç	ķ
	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 M 2		10n21 4n4 14 26 4 1			7n58 0s43 8 16 0 43	7n41 1s 5 7 46 1 5			11 s44 0 s31 11 43 0 31		23 s19 23 s23 23 19 23 22	6n23 6 26	4s25 5n45 4 24 5 45
T 3 W 4		17 58 3 3 20 45 2 4			8 33 0 42 8 50 0 42		-		11 43 0 31 11 43 0 31		23 18 23 22 23 18 23 22	6 28 6 31	4 23 5 45 4 22 5 45
T 5 F 6	16 23	23 24 0 4	2 4 38 2 58	3 5 30 1 40	9 8 0 41 9 25 0 41	8 1 1 5 8 6 1 5	2 6 2 42	0 31 0 43	11 42 0 31 11 42 0 31	18 43 4 31	23 18 23 22 23 18 23 22	6 34 6 36	
S 7 S 8	16 40 16 56	23 0 0s2 21 22 1 3			9 41 0 40 9 58 0 40				11 42 0 31 11 41 0 31		23 18 23 22 23 18 23 22	6 39 6 41	4 19 5 46 4 18 5 46
M 9 T 10		18 34 2 4 14 44 3 3			0 15 0 39 0 32 0 39				11 41 0 31 11 41 0 31		23 18 23 22 23 18 23 22	6 44 6 46	4 17 5 47 4 16 5 47
W11 T 12	17 44 18 0	10 3 4 2 4 44 4 5	7 6 45 3 9	8 13 1 39 1	1 4 0 37	8 32 1 5 8 37 1 5	2 0 2 41		11 41 0 31 11 40 0 31	18 43 4 32	23 18 23 22 23 18 23 21	6 49 6 51	4 15 5 47 4 14 5 48
F 13 S 14	18 15 18 29	0s56 5 1 6 39 5	2 7 12 3 8 6 7 39 3 7		1 21 0 37 1 37 0 36	8 41 1 6 8 46 1 6			11 40 0 31 11 40 0 31		23 18 23 21 23 18 23 21	6 54 6 56	4 14 5 48 4 13 5 48
S 15 M16	18 44 18 58	12 3 4 4 16 46 3 5						0 41 0 43 0 42 0 43			23 17 23 21 23 17 23 21	6 59 7 1	4 12 5 48 4 11 5 49
T 17 W18	19 26	20 24 2 5 22 40 1 4	5 9 41 2 56	5 10 51 1 36 1	2 24 0 35 2 40 0 34	9 6 1 6	1 54 2 40	0 43 0 43	11 39 0 31 11 39 0 31	18 44 4 32	23 17 23 21 23 17 23 21	7 4 7 6	4 10 5 49 4 10 5 49
T 19 F 20 S 21	19 52	23 24 0 2 22 38 0n4 20 34 1 5		11 42 1 34 1	3 11 0 33	9 15 1 6	1 53 2 39	0 45 0 43	11 39 0 31 11 39 0 31 11 39 0 31	18 44 4 32	23 17 23 21 23 17 23 20 23 17 23 20	7 9 7 11 7 14	4 9 5 50 4 8 5 50 4 8 5 50
S 22	20 16	17 28 3	1 11 58 2 35	5 12 31 1 32 1	3 41 0 32	9 25 1 6	1 51 2 39	0 47 0 43	11 39 0 31	18 44 4 32	23 17 23 20	7 16	4 7 5 51
M23 T 24	20 40	9 19 4 3	3 12 34 2 29 3 13 11 2 22	2 13 20 1 30 1			1 50 2 39	0 49 0 43	11 38 0 31 11 38 0 31	18 44 4 31	23 17 23 20 23 17 23 20	7 19 7 21	4 6 5 51
	20 51 21 2 21 12	0 0 5 1	3 14 25 2 7	7 14 7 1 27 1		9 43 1 6	1 49 2 38	0 50 0 43	11 38 0 31 11 38 0 31	18 44 4 31	23 17 23 20 23 17 23 20 23 17 23 20	7 24 7 26 7 20	4 5 5 51 4 4 5 52 4 4 5 52
S 28	21 22	9 10 5	0 15 41 1 50	14 54 1 24 1	5 8 0 28	9 52 1 7	1 48 2 38	0 52 0 43		18 44 4 31	23 17 23 19	7 29 7 31	4 3 5 52
M30	21 32 21 41	17 2 3 5	3 16 19 1 41 5 16 56 1 31	15 38 1 21 1	5 36 0 27	10 1 1 7	1 47 2 37	0 53 0 43	11 38 0 31	18 44 4 31	23 17 23 19 23 17 23 19	7 34 7 36	4 2 5 53
T 31	21n50	20n 3 3n	5 17n34 1s21	16n 0 1s20 1	5n49 0s26	10n 5 1s 7	1 s47 2n37	0n54 0s43	11 s38 0 s31	18 s 45 4 n 3 1	23 s17 23 s19	7n39	4s 2 5n53

Julian Day Number = 2455682.5, Delta T = 66.41 sec Ecliptic obliquity = 23°26'16, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°53'55, Lahiri = 24°00'55

JUNE 2011 00:00 UT

00111															00.0	0.
Day	Sid.t	0	D	ğ	·	♂	4	ħ)∤(¥	Р	n	v	Ç	ķ	Day
W 1	16 36 33	10 I I11'26	0 I 2	26822	19 8 32	15 8 25	29 Υ 15	10°R34	3Υ 58	0 ¥ 56	6°R52	23°R25	24 х 19	7 Ƴ 48	5) 27	W 1
T 2	16 40 29	11° 8'58	12°35	28°20	20°45	16° 9	29°28	10 ≏ 33	3°59	0°56	6 ප 51	23 × 24	24°16	7°54	5°28	T 2
F 3	16 44 26	12° 6'28	25°22	0Д20	21°58	16°53	29°40	10°32	4° 1	0°R56	6°49	23°D24	24°12	8° 1	5°28	F 3
S 4	16 48 22	13° 3'58	8922	2°22	23°11	17°37	29°53	10°31	4° 3	0°56	6°48	23°25	24° 9	8° 8	5°28	S 4
S 5	16 52 19	14° 1'27	21°35	4°25	24°24	18°20	0 ප 5	10°30	4° 5	0°56	6°46	23°25	24° 6	8°15	5°29	S 5
M 6	16 56 15	14°58'55	5 Ω 2	6°31	25°37	19° 4	0°17	10°29	4° 6	0°56	6°45	23°26	24° 3	8°21	5°29	M 6
T 7	17 0 12	15°56'21	18°43	8°38	26°50	19°48	0°30	10°29	4° 8	0°55	6°44	23°27	24° 0	8°28	5°29	T 7
W 8	17 4 9	16°53'46	2 m 35	10°46	28° 3	20°32	0°42	10°28	4° 9	0°55	6°42	23°27	23°56	8°35	5°29	W 8
T 9	17 8 5	17°51'10	16°39	12°56	29°16	21°16	0°54	10°28	4°11	0°55	6°41	23°R27	23°53	8°42	5°R29	T 9
F 10	17 12 2	18°48'33	0 ჲ 53	15° 6	0П29	21°59	1° 6	10°27	4°12	0°55	6°39	23°27	23°50	8°48	5°29	F 10
S 11	17 15 58	19°45'54	15°15	17°18	1°42	22°43	1°18	10°27	4°14	0°55	6°38	23°27	23°47	8°55	5°29	S 11
S 12	17 19 55	20°43'15	29°40	19°29	2°55	23°26	1°29	10°27	4°15	0°54	6°37	23°27	23°44	9° 2	5°29	S 12
M13	17 23 51	21°40'35	14 M 5	21°41	4° 9	24°10	1°41	10°D27	4°16	0°54	6°35	23°26	23°41	9° 8	5°29	M13
T 14	17 27 48	22°37'53	28°26	23°53	5°22	24°53	1°53	10°27	4°18	0°54	6°34	23°26	23°37	9°15	5°28	T 14
W15	17 31 44	23°35'11	12 ~ 37	26° 5	6°35	25°36	2° 4	10°27	4°19	0°53	6°32	23°D26	23°34	9°22	5°28	W15
T 16	17 35 41	24°32'29	26°34	28°16	7°48	26°20	2°16	10°27	4°20	0°53	6°31	23°R26	23°31	9°29	5°28	T 16
F 17	17 39 38	25°29'46	10 궁 14	0ණ26	9° 1	27° 3	2°27	10°27	4°21	0°53	6°29	23°26	23°28	9°35	5°27	F 17
S 18	17 43 34	26°27'02	23°34	2°35	10°14	27°46	2°38	10°28	4°22	0°52	6°28	23°26	23°25	9°42	5°27	S 18
S 19	17 47 31	27°24'17	6≈35	4°43	11°27	28°29	2°49	10°28	4°23	0°52	6°26	23°26	23°22	9°49	5°26	S 19
M20	17 51 27	28°21'33	19°16	6°50	12°41	29°12	3° 0	10°29	4°24	0°51	6°25	23°25	23°18	9°55	5°25	M20
T 21	17 55 24	29°18'48	1) (40	8°54	13°54	29°55	3°11	10°30	4°25	0°51	6°23	23°25	23°15	10° 2	5°25	T 21
W22	17 59 20	09୍ତ16'02	13°50	10°57	15° 7	0 Ⅲ 38	3°22	10°31	4°26	0°50	6°22	23°24	23°12	10° 9	5°24	W22
T 23	18 3 17	1°13'17	25°50	12°59	16°20	1°21	3°33	10°31	4°27	0°49	6°20	23°D24	23° 9	10°16	5°23	T 23
F 24	18 7 13	2°10'31	7 Υ 44	14°58	17°33	2° 3	3°44	10°33	4°28	0°49	6°19	23°24	23° 6	10°22	5°22	F 24
S 25	18 11 10	3° 7'46	19°37	16°55	18°47	2°46	3°54	10°34	4°28	0°48	6°17	23°24	23° 2	10°29	5°22	S 25
S 26	18 15 7	4° 5'00	1834	18°50	20° 0	3°29	4° 5	10°35	4°29	0°47	6°16	23°25	22°59	10°36	5°21	S 26
M27	18 19 3	5° 2'14	13°38	20°43	21°13	4°12	4°15	10°36	4°30	0°47	6°14	23°26	22°56	10°42	5°20	M27
T 28	18 23 0	5°59'28	25°54	22°34	22°27	4°54	4°25	10°38	4°30	0°46	6°13	23°27	22°53	10°49	5°19	T 28
W29	18 26 56	6°56'42	8Ⅱ24	24°23	23°40	5°37	4°36	10°39	4°31	0°45	6°11	23°28	22°50	10°56	5°17	W29
T 30	18 30 53	7953'56	21 I I12	269510	24∏53	6 Ⅱ 19	4846	10 ≏ 41	4 Υ31	0) (44	6 ප 9	23°R28	22 × 747	11 ° 3	5) 16	T 30

Day	0	D		ğ	φ		3	2	+	ŧ	l);	ł(4	í	Р		IJ	v	Ç	Ł	
	decl	decl lat	dec	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1 T 2 F 3	21n59 22 7 22 14	23 17 0	n 6 18n1 59 18 48	1 1	16 42 1	8 16n 3 7 16 16 5 16 29	0 25		1 7	1 s47 1 46 1 46	2n37 2 37 2 36	0n55 0 55 0 56	0 43	11 s38 11 38 11 38	0 s31 0 31 0 31	18 s45 18 45	4 31	23 16	23 s19 23 19 23 19	7n41 7 44	4s 1 4 1 4 0	5n54 5 54 5 54
S 4	22 22	21 49 1	22 19 59	0 40	17 23 1	3 16 42	0 24	10 23	1 7	1 46	2 36	0 57	0 44	11 38	0 31	18 45 18 45	4 31	23 16	23 18	7 46 7 49	4 0	5 55
S 5 M 6 T 7	22 29 22 35 22 42	15 36 3	30 20 33 31 21 0	0 18	17 43 1 1 18 2 1 1 18 21 1	1 16 55 0 17 8 8 17 20		10 31	1 7 1 8 1 8	1 46 1 46 1 46	2 36 2 36 2 35	0 57 0 58 0 58	0 44	11 38 11 38 11 38	0 32 0 32 0 32	18 45	4 31	23 16	23 18 23 18 23 18	7 51 7 54 7 56	4 0 3 59 3 59	5 55 5 55 5 55
W 8 T 9	22 48 22 53	5 56 4 0 26 5	56 22 3 15 22 3	0n 4 0 14	18 39 1 18 57 1	6 17 33 4 17 45	0 21 0 20	10 39 10 43	1 8 1 8	1 46 1 46	2 35 2 35	0 59	0 44 0 44	11 38 11 38	0 32 0 32	18 45 18 46	4 31 4 31	23 17 23 17	23 18 23 18	7 59 8 1	3 59 3 58	5 56 5 56
F 10 S 11	22 58 23 3	10 31 4	14 23 54 23 24	0 35		2 17 57 0 18 8	0 19	10 48 10 52	1 8	1 46 1 46	2 35 2 34	1 0	0 44	11 38 11 39		18 46	4 31	23 17	23 18 23 17	8 3 8 6	3 58 3 58	5 56 5 57
S 12 M13 T 14	23 11 23 14	19 16 3 21 59 2	16 23 40 21 24 4 14 24 20	0 54	20 4 0 5 20 19 0 5	8 18 20 6 18 31 3 18 43	0 18 0 17		1 8 1 8	1 46 1 46 1 47	2 34 2 34 2 34	1 1 1 2 1 2	0 44 0 44	11 39 11 39 11 39	0 32 0 32	18 46 18 46	4 31 4 31	23 16 23 16	23 17 23 17 23 17	8 8 8 11 8 13	3 58 3 57 3 57	5 57 5 57 5 58
W15 T 16 F 17 S 18	23 19 23 22	21 31 1	0 24 34 0n17 24 44 32 24 52 2 39 24 52	1 19	21 2 0 4		0 16 0 15	11 7 11 11 11 15 11 18	1 9 1 9 1 9 1 9	1 47 1 47 1 48 1 48	2 33 2 33 2 33 2 33	1 3 1 3 1 3 1 4	0 44 0 44	11 39 11 39 11 39 11 40		18 46	4 30 4 30	23 16	23 17 23 17 23 17 23 16	8 16 8 18 8 20 8 23	3 57 3 57 3 57 3 57	5 58 5 58 5 58 5 59
S 19 M20	23 25 23 26	15 7 3	37 24 59 22 24 58	1 38	21 27 0 4	2 19 36 0 19 46	0 14	11 22 11 26	1 9	1 48 1 49	2 32 2 32	1 4 1 5	0 44	11 40 11 40		18 47	4 30	23 16	23 16 23 16	8 25 8 28	3 57 3 57 3 57	5 59 5 59
T 21 W22 T 23	23 26 23 26 23 26	1 33 5	54 24 53 12 24 49 16 24 40	1 50	22 1 0 3	8 19 56 5 20 6 3 20 15	0 12	11 29 11 33 11 36	1 9 1 9 1 10	1 49 1 50 1 51	2 32 2 32 2 31	1 5 1 5 1 6	0 44	11 40 11 41 11 41	0 32 0 32 0 32	18 47	4 30	23 16	23 16 23 16 23 16	8 30 8 33 8 35	3 57 3 57 3 57	6 0 6 0 6 0
F 24 S 25	23 25 23 24	7 46 5		1 55	22 21 0 3	0 20 24 8 20 33	0 10	11 40 11 43	1 10 1 10	1 51 1 52	2 31 2 31	1 6 1 6	0 44	11 41 11 41	0 32	18 48	4 30	23 16	23 15 23 15	8 37 8 40	3 57 3 57	6 0 6 1
S 26 M27 T 28 W29	23 20 23 18	21 36 2	1 - 1	1 56	22 46 0 2 22 53 0 2	6 20 42 3 20 51 1 20 59 8 21 8	0 8 0 7	11 47 11 50 11 53 11 57	1 10 1 10 1 10 1 11	1 53 1 53 1 54 1 55	2 31 2 30 2 30 2 30	1 6 1 7 1 7 1 7	0 44 0 44	11 42 11 42 11 42 11 42	0 32 0 32 0 32 0 32	18 48	4 30 4 29	23 16 23 17	23 15 23 15 23 15 23 15	8 42 8 45 8 47 8 49	3 57 3 57 3 57 3 57	6 1 6 1 6 2 6 2
T 30	23n12	23n21 0	n13 22n4	1n51	23n 4 0s	6 21n16	0s 6	12n 0	1 s11	1 s56	2n30	1n 7	0 s44	11 s43	0 s32	18 s49	4n29	23 s17	23 s14	8n52	3 s57	6n 2

Julian Day Number = 2455713.5, Delta T = 66.44 sec Ecliptic obliquity = $23^{\circ}26'15$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}53'59$, Lahiri = $24^{\circ}00'59$

JULY 2011 00:00 UT

UUL	LOII														00.0	0 0 1
Day	Sid.t	0)	ğ	φ	ď	4	ħ)f(¥	Р	S.	Ω	Ç	ķ	Day
F 1	18 34 49	8951'10	49917	279554	26 I 7	7耳 1	4 8 56	10 ≏ 43	4 Υ32	0°R44	6°R 8	23°R28	22 × 743	11 Υ 9	5°R15	F 1
S 2	18 38 46	9°48'24	17°40	29°36	27°20	7°44	5° 5	10°44	4°32	0) (43	6 පි	23 × 727	22°40	11°16	5) € 14	S 2
S 3	18 42 42	10°45'38	1 Ω 19	1 Q 16	28°33	8°26	5°15	10°46	4°33	0°42	6° 5	23°25	22°37	11°23	5°12	S 3
M 4	18 46 39	11°42'51	15°12	2°54	29°47	9° 8	5°25	10°48	4°33	0°41	6° 3	23°23	22°34	11°29	5°11	M 4
T 5	18 50 36	12°40'04	29°16	4°30	199 0	9°50	5°34	10°50	4°33	0°40	6° 2	23°21	22°31	11°36	5°10	T 5
W 6	18 54 32	13°37'17	13 m 27	6° 4	2°14	10°32	5°43	10°53	4°33	0°39	6° 0	23°18	22°27	11°43	5° 8	W 6
T 7	18 58 29	14°34'30	27°41	7°35	3°27	11°14	5°53	10°55	4°34	0°38	5°59	23°17	22°24	11°50	5° 7	T 7
F 8	19 2 25	15°31'42	11 ≏ 56	9° 4	4°41	11°56	6° 2	10°57	4°34	0°37	5°57	23°D16	22°21	11°56	5° 5	F 8
S 9	19 6 22	16°28'54	26° 9	10°31	5°54	12°38	6°11	11° 0	4°34	0°36	5°56	23°16	22°18	12° 3	5° 3	S 9
S 10	19 10 18	17°26'06	10 M J17	11°56	7° 8	13°20	6°19	11° 2	4°R34	0°35	5°54	23°17	22°15	12°10	5° 2	S 10
M11	19 14 15	18°23'18	24°19	13°18	8°21	14° 2	6°28	11° 5	4°34	0°34	5°53	23°18	22°12	12°16	5° 0	M11
T 12	19 18 11	19°20'30	8 ∡ 13	14°38	9°35	14°43	6°37	11°8	4°34	0°33	5°51	23°20	22° 8	12°23	4°58	T 12
W13	19 22 8	20°17'42	21°57	15°56	10°48	15°25	6°45	11°11	4°34	0°32	5°50	23°R20	22° 5	12°30	4°56	W13
T 14	19 26 5	21°14'54	5 云 29	17°11	12° 2	16° 6	6°53	11°14	4°33	0°30	5°48	23°20	22° 2	12°37	4°54	T 14
F 15	19 30 1	22°12'06	18°49	18°23	13°15	16°48	7° 2	11°17	4°33	0°29	5°47	23°18	21°59	12°43	4°53	F 15
S 16	19 33 58	23° 9'18	1≈54	19°33	14°29	17°29	7°10	11°20	4°33	0°28	5°46	23°15	21°56	12°50	4°51	S 16
S 17	19 37 54	24° 6'31	14°43	20°41	15°43	18°11	7°17	11°23	4°33	0°27	5°44	23°10	21°53	12°57	4°49	S 17
M18	19 41 51	25° 3'44	27°18	21°46	16°56	18°52	7°25	11°26	4°32	0°26	5°43	23° 5	21°49	13° 3	4°47	M18
T 19	19 45 47	26° 0'58	9 米 39	22°48	18°10	19°33	7°33	11°30	4°32	0°24	5°41	23° 0	21°46	13°10	4°44	T 19
W20	19 49 44	26°58'12	21°47	23°47	19°24	20°14	7°40	11°33	4°31	0°23	5°40	22°55	21°43	13°17	4°42	W20
T 21	19 53 40	27°55'27	3 Υ46	24°43	20°37	20°56	7°48	11°37	4°31	0°22	5°38	22°51	21°40	13°24	4°40	T 21
F 22	19 57 37	28°52'42	15°40	25°35	21°51	21°37	7°55	11°40	4°30	0°20	5°37	22°48	21°37	13°30	4°38	F 22
S 23	20 1 34	29°49'59	27°32	26°25	23° 5	22°18	8° 2	11°44	4°30	0°19	5°36	22°D47	21°33	13°37	4°36	S 23
S 24	20 5 30	0 Ω 47'16	9 8 28	27°11	24°19	22°59	8° 9	11°48	4°29	0°18	5°34	22°48	21°30	13°44	4°33	S 24
M25	20 9 27	1°44'34	21°32	27°54	25°32	23°39	8°15	11°52	4°29	0°16	5°33	22°49	21°27	13°50	4°31	M25
T 26	20 13 23	2°41'54	3 II 50	28°33	26°46	24°20	8°22	11°56	4°28	0°15	5°32	22°51	21°24	13°57	4°29	T 26
W27	20 17 20	3°39'14	16°25	29° 8	28° 0	25° 1	8°28	12° 0	4°27	0°14	5°30	22°R52	21°21	14° 4	4°26	W27
T 28	20 21 16	4°36'34	29°21	29°39	29°14	25°42	8°35	12° 4	4°26	0°12	5°29	22°52	21°18	14°11	4°24	T 28
F 29	20 25 13	5°33'56	129540	0 m) 6	0 Ω 28	26°22	8°41	12° 8	4°25	0°11	5°28	22°50	21°14	14°17	4°21	F 29
S 30	20 29 9	6°31'19	26°22	0°29	1°42	27° 3	8°47	12°12	4°24	0° 9	5°27	22°46	21°11	14°24	4°19	S 30
S 31	20 33 6	$7\Omega 28'42$	10 Ω 25	0 m /47	2⋒56	27 Ⅱ 43	8 8 52	12 ≏ 17	4 Υ23	0 ∺ 8	5 云 25	22 × 741	21 ×7 8	14 Y 31	4) €16	S 31

Day	0	D	ğ	ç		37	4	-	ħ	1)វ	(卉		Р	ß	v	Ç	لح	Š
	decl	decl lat	decl l	lat decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl lat	dec	l lat	decl	decl	decl	decl	lat
F 1 S 2	23n 8 23 4		22n21 21 56	1n48 23n 9 1 45 23 14	0s13 21n24 0 11 21 31		12n 3 12 6	1 s 1 1 1 1 1 1	1 s57 1 58	2n29 2 29	1n 7 1 7			32 18 s4 32 18 4		23 s17 23 17		8n54 8 57	3 s 5 8 3 5 8	6n 2 6 3
S 3 M 4 T 5 W 6 T 7	23 0 22 55 22 50 22 44 22 38	12 20 4 8 7 14 4 47 1 44 5 10	20 36	1 41 23 17 1 36 23 20 1 30 23 22 1 25 23 24 1 18 23 25	0 8 21 39 0 6 21 46 0 4 21 53 0 1 22 0 0n 1 22 6	0 4 0 3 0 2 0 2 0 1	12 15	1 11 1 11 1 11 1 12 1 12	1 59 2 0 2 1 2 2 2 3	2 29 2 29 2 28 2 28 2 28	1 8 1 8 1 8 1 8	0 45 0 45 0 45	11 44 0 11 44 0 11 45 0	32 18 4 32 18 4 32 18 5 32 18 5 32 18 5	9 4 29 0 4 29 0 4 29	23 16 23 16 23 16 23 16 23 16	23 14 23 14 23 13	8 59 9 1 9 4 9 6 9 8	3 58 3 58 3 59 3 59 3 59	6 3 6 3 6 3 6 4 6 4
F 8 S 9	22 32 22 25	9 17 4 58		1 16 23 25 1 11 23 25 1 4 23 25	0n 1 22 6 0 4 22 13 0 6 22 19	0 0	12 24 12 27	1 12 1 12 1 12	2 4 2 5	2 28 2 28 2 28	1 8 1 8	0 45	11 46 0	32 18 5 32 18 5 32 18 5	0 4 28	23 16 23 16 23 16	23 13	9 11 9 13	4 0 4 0	6 4 6 4
S 10 M11 T 12 W13 T 14 F 15 S 16	22 10 22 3 21 54 21 46 21 36	23 2 1 22 23 19 0 8 22 13 1n 6 19 53 2 15	3 17 35 2 17 4 3 16 32 5 16 0	0 56 23 23 0 48 23 21 0 39 23 19 0 30 23 16 0 20 23 12 0 10 23 7 0s 1 23 2	0 9 22 25 0 11 22 31 0 13 22 36 0 16 22 42 0 18 22 47 0 21 22 52 0 23 22 56	0 2 0 3 0 3 0 4 0 5	12 35 12 37	1 12 1 12 1 13 1 13 1 13 1 13 1 13	2 7 2 8 2 9 2 10 2 12 2 13 2 15	2 27 2 27 2 27 2 27 2 26 2 26 2 26	1 8 1 8 1 8 1 8 1 8 1 7 1 7	0 45 0 45 0 45 0 45 0 45	11 47 0 11 47 0 11 48 0 11 48 0 11 48 0	32 18 5 32 18 5 32 18 5 33 18 5 33 18 5 33 18 5 33 18 5	1 4 28 1 4 28 1 4 28 1 4 27 2 4 27	23 16 23 16 23 16 23 16 23 16 23 16 23 16 23 16	23 12 23 12 23 12 23 12 23 12 23 12	9 16 9 18 9 20 9 23 9 25 9 27 9 30	4 0 4 1 4 1 4 2 4 2 4 3 4 3	6 5 6 5 6 5 6 5 6 6 6 6
S 17 M18 T 19 W20 T 21 F 22 S 23	21 7 20 57 20 46 20 35 20 23	8 1 4 41 3 16 5 3 1n31 5 11 6 10 5 6 10 35 4 47	13 54 13 23	0 11 22 56 0 22 22 49 0 34 22 42 0 46 22 34 0 58 22 25 1 10 22 16 1 22 22 6	0 25 23 1 0 27 23 5 0 30 23 9 0 32 23 13 0 34 23 17 0 36 23 20 0 38 23 24	0 8 0 9 0 9 0 10	12 49 12 52 12 54 12 56 12 58	1 14 1 14 1 14 1 14 1 14 1 14 1 15	2 16 2 18 2 19 2 21 2 22 2 24 2 25	2 26 2 25 2 25 2 25 2 25 2 25 2 25 2 24	1 7 1 7 1 7 1 7 1 6 1 6	0 45 0 45 0 45 0 45 0 45	11 50 0 11 50 0 11 51 0 11 51 0 11 52 0	33 18 5 33 18 5 33 18 5 33 18 5 33 18 5 33 18 5 33 18 5	2 4 27 2 4 27 3 4 27 3 4 26 3 4 26	23 16 23 15 23 15 23 15 23 15 23 15 23 15 23 14	23 11 23 11 23 11 23 11 23 10	9 32 9 34 9 37 9 39 9 41 9 44 9 46	4 4 4 4 4 5 4 5 4 6 4 7 4 7	6 6 6 6 6 7 6 7 6 7 6 7
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	19 33 19 20 19 7 18 53 18 38	20 45 2 42 22 35 1 42 23 19 0 35 22 51 0s35 21 5 1 45	5 9 41 5 9 18 5 8 57 1 8 37	1 35 21 55 1 48 21 44 2 1 21 32 2 14 21 19 2 27 21 6 2 40 20 52 2 52 20 38 3s 5 20n23	0 40 23 27 0 43 23 29 0 45 23 32 0 47 23 34 0 49 23 37 0 50 23 39 0 52 23 40 0n54 23n42	0 15 0 15 0 16	13 4 13 6	1 16 1 16 1 16	2 27 2 29 2 31 2 32 2 34 2 36 2 38 2 \$40	2 24 2 24 2 24 2 23 2 23 2 23 2 23 2 23	1 6 1 5 1 5 1 5 1 4 1 4 1 3	0 45 0 45 0 45 0 45 0 45 0 45	11 53 0 11 54 0 11 54 0 11 55 0 11 55 0 11 56 0	33 18 5 33 18 5 33 18 5 33 18 5 33 18 5 33 18 5 33 18 5	4 4 26 4 4 26 4 4 25 4 4 25 5 4 25 5 4 25	23 14 23 15 23 15 23 15 23 15 23 15 23 15 23 14	23 10 23 9 23 9 23 9 23 9	9 48 9 51 9 53 9 55 9 58 10 0 10 2	4 8 4 9 4 9 4 10 4 11 4 12 4 12 4 13	6 7 6 7 6 8 6 8 6 8 6 8 6 8

Julian Day Number = 2455743.5, Delta T = 66.46 sec Ecliptic obliquity = 23°26'14, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°54'03, Lahiri = 24°01'04

AUGUST 2011 00:00 UT

Audi	JJ. 201	-													00.0	0 0 1
Day	Sid.t	0	D	ğ	·	ð	4	ħ)∤(¥	Р	N.	v	Ç	k _O	Day
M 1	20 37 3	8 Ω 26'07	24 Ω 45	1 m y 0	4 Ω 10	28Ⅲ24	8 8 58	12 ≏ 21	4°R22	0°R 6	5°R24	22°R34	21 ×7 5	14 Y 37	4°R14	M 1
T 2	20 40 59	9°23'31	9 m ∤17	1° 9	5°23	29° 4	9° 3	12°26	4 Υ 21	0 ∀ 5	5 云 23	22 × 27	21° 2	14°44	4) (11	T 2
W 3	20 44 56	10°20'57	23°53	1°R12	6°37	29°44	9° 9	12°30	4°20	0° 3	5°22	22°20	20°59	14°51	4° 9	W 3
T 4	20 48 52	11°18'23	8 ≏ 27	1°10	7°51	0ණ25	9°14	12°35	4°19	0° 2	5°21	22°15	20°55	14°58	4° 6	T 4
F 5	20 52 49	12°15'50	22°53	1° 3	9° 5	1° 5	9°19	12°40	4°18	0° 0	5°19	22°11	20°52	15° 4	4° 3	F 5
S 6	20 56 45	13°13'17	7 M 8	0°51	10°19	1°45	9°23	12°44	4°17	29≈59	5°18	22°D10	20°49	15°11	4° 1	S 6
S 7	21 0 42	14°10'46	21° 9	0°33	11°33	2°25	9°28	12°49	4°16	29°57	5°17	22°10	20°46	15°18	3°58	S 7
M 8	21 438	15° 8'15	4 ₹ 757	0°11	12°47	3° 5	9°32	12°54	4°14	29°56	5°16	22°11	20°43	15°24	3°55	M 8
T 9	21 8 35	16° 5'45	18°31	29 £ 43	14° 1	3°45	9°36	12°59	4°13	29°54	5°15	22°R12	20°39	15°31	3°52	T 9
W10	21 12 32	17° 3'15	1 る 52	29°10	15°16	4°24	9°40	13° 4	4°12	29°52	5°14	22°11	20°36	15°38	3°50	W10
T 11	21 16 28	18° 0'47	15° 1	28°33	16°30	5° 4	9°44	13° 9	4°10	29°51	5°13	22° 9	20°33	15°45	3°47	T 11
F 12	21 20 25	18°58'19	27°58	27°52	17°44	5°44	9°48	13°15	4° 9	29°49	5°12	22° 4	20°30	15°51	3°44	F 12
S 13	21 24 21	19°55'53	10≈44	27° 8	18°58	6°23	9°51	13°20	4° 7	29°48	5°11	21°57	20°27	15°58	3°41	S 13
S 14	21 28 18	20°53'27	23°19	26°21	20°12	7° 3	9°55	13°25	4° 6	29°46	5°10	21°48	20°24	16° 5	3°38	S 14
M15	21 32 14	21°51'03	5) (43	25°32	21°26	7°42	9°58	13°31	4° 4	29°44	5° 9	21°37	20°20	16°11	3°36	M15
T 16	21 36 11	22°48'40	17°56	24°42	22°40	8°22	10° 1	13°36	4° 2	29°43	5° 8	21°26	20°17	16°18	3°33	T 16
W17	21 40 7	23°46'18	29°59	23°51	23°54	9° 1	10° 3	13°42	4° 1	29°41	5° 7	21°16	20°14	16°25	3°30	W17
T 18	21 44 4	24°43'58	11 Y 55	23° 1	25° 9	9°40	10° 6	13°47	3°59	29°39	5° 6	21° 7	20°11	16°32	3°27	T 18
F 19	21 48 1	25°41'39	23°47	22°14	26°23	10°19	10° 8	13°53	3°57	29°38	5° 6	21° 0	20° 8	16°38	3°24	F 19
S 20	21 51 57	26°39'22	5 8 37	21°29	27°37	10°59	10°11	13°58	3°56	29°36	5° 5	20°55	20° 5	16°45	3°21	S 20
S 21	21 55 54	27°37'06	17°31	20°47	28°51	11°38	10°12	14° 4	3°54	29°35	5° 4	20°53	20° 1	16°52	3°18	S 21
M22	21 59 50	28°34'52	29°33	20°11	0 m) 6	12°17	10°14	14°10	3°52	29°33	5° 3	20°D52	19°58	16°58	3°15	M22
T 23	22 3 47	29°32'40	11 II 49	19°39	1°20	12°55	10°16	14°16	3°50	29°31	5° 2	20°53	19°55	17° 5	3°12	T 23
W24	22 7 43	0 m y 30'30	24°23	19°14	2°34	13°34	10°17	14°22	3°48	29°30	5° 2	20°R53	19°52	17°12	3° 9	W24
T 25	22 11 40	1°28'21	79520	18°56	3°49	14°13	10°18	14°28	3°47	29°28	5° 1	20°52	19°49	17°18	3° 6	T 25
F 26	22 15 36	2°26'14	20°44	18°45	5° 3	14°52	10°19	14°34	3°45	29°26	5° 0	20°49	19°45	17°25	3° 3	F 26
S 27	22 19 33	3°24'09	4 Ω 35	18°D42	6°17	15°30	10°20	14°40	3°43	29°25	5° 0	20°43	19°42	17°32	3° 0	S 27
S 28	22 23 30	4°22'05	18°53	18°46	7°32	16° 9	10°21	14°46	3°41	29°23	4°59	20°35	19°39	17°39	2°57	S 28
M29	22 27 26	5°20'03	3 m 34	18°59	8°46	16°47	10°21	14°52	3°39	29°21	4°59	20°25	19°36	17°45	2°55	M29
T 30	22 31 23	6°18'02	18°29	19°20	10° 0	17°26	10°R21	14°58	3°37	29°20	<u>4</u> °58	20°14	19°33	17°52	2°52	T 30
W31	22 35 19	7 m) 16'03	3 ₾ 29	19 Ω 49	11 m p 15	1895 4	10821	15 ♀ 5	3 Y 35	29≈18	4 云 58	20 × 4	19 × 30	17 Y 59	2) (49	W31

Day	0	D		ğ	Q	♂	2	+	ħ);	ł(4	(Р		'n	Ω	Ç	Ł	;
	decl	decl lat	decl	lat de	el lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1 T 2	18n 9		s32 8n 2			-	13n17	1 s 1 6	2 s42	2n22	1n 3		11 s57	0 s33	18 s 5 5	-	23 s14			4s14	
T 2 W 3	17 54 17 39	3 28 4 2s16 5	59 7 48 7 7 35				13 18 13 20	1 17 1 17	2 44 2 45	2 22 2 22	1 2 1 2		11 57 11 58	0 33 0 33	18 56 18 56		23 13 23 13			4 15 4 16	6 9
T 4	17 23		55 7 25				13 20	1 17	2 47	2 22	1 1		11 59	0 33	18 56		23 13			4 16	6 9
F 5	17 7	12 59 4	25 7 18	4 4 18 3	59 1 3 23	47 0 21	13 22	1 17	2 49	2 22	1 1	0 46	11 59	0 33	18 56	4 24	23 12	23 7	10 16	4 17	6 9
S 6	16 51	17 19 3	38 7 13	4 14 18	1 1 4 23	47 0 21	13 24	1 17	2 52	2 22	1 0	0 46	12 0	0 33	18 56	4 24	23 12	23 7	10 18	4 18	6 9
S 7	16 34	20 36 2	39 7 11	4 23 18 2			13 25	1 18	2 54	2 21	1 0	0 46	12 0	0 33	18 57	4 23	23 12	23 7	10 20	4 19	6 9
M 8	16 18		31 7 11		3 1 7 23		-	1 18	2 56	2 21	0 59			0 33			23 12		10 23	4 20	6 9
T 9	-		20 7 14					1 18	2 58	2 21	0 59			0 33			23 12		10 20	4 21	6 9
W10	-		n52 7 20					1 18	3 0	2 21	0 58			0 33		-	23 12			4 22	6 9
T 11 F 12	15 26 15 8		59 7 29 59 7 40		2 1 11 23 10 1 13 23		-	1 19 1 19	3 2 3 4	2 21 2 20	0 57 0 57	0 46 0 46		0 33 0 33	18 58 18 58	-	23 12 23 12		10 29 10 32	4 23 4 24	6 9
S 13			49 7 55					1 19	3 6	2 20	0 56		-	0 33	18 58		23 12			4 24	6 9
S 14	14 32	9 32 4	27 8 11	4 50 15 3	66 1 15 <mark>23</mark>	43 0 28	13 32	1 19	3 9	2 20	0 56	0 46	12 4	0 33	18 58	4 22	23 11	23 5	10 36	4 26	6 9
M15	14 13	4 53 4	52 8 30	4 47 15	33 1 16 <mark>23</mark>	41 0 28	13 33	1 19	3 11	2 20	0 55	0 46	12 5	0 33	18 59	4 22	23 10	23 5	10 38	4 27	6 9
T 16	13 55	0 7 5	3 8 51	4 42 15				1 20	3 13	2 20	0 54	0 46	12 5	0 33	18 59		23 10		10 41	4 28	6 9
W17	13 36	4n35 5					13 34	1 20	3 15	2 20	0 54	0 46		0 33	18 59	4 21			10 43	4 29	6 9
T 18	13 17							1 20	3 18	2 19	0 53	0 46		0 33	18 59	4 21		23 4	10 45	4 30	6 9
F 19 S 20	12 57 12 38		16 10 2 36 10 28				13 35	1 20 1 20	3 20 3 22	2 19 2 19	0 52 0 52			0 33 0 33	19 0 19 0	4 21 4 21		23 4 23 4	10 47 10 50	4 31 4 32	6 9
									_									_		-	0 /
S 21 M22	12 18		48 10 53 51 11 19		8 1 21 23 13 1 22 23		13 36 13 36	1 21 1 21	3 25 3 27	2 19 2 19	0 51 0 50	0 46 0 46	-	0 33 0 33	19 0 19 0	4 21 4 20		23 4 23 3	10 52 10 54	4 33 4 34	6 9
T 23		-	48 11 43					1 21	3 30	2 19	0 49			0 33	19 1	4 20		23 3		4 35	6 9
W24	11 18		s19 12 7	_			13 37	1 21	3 32	2 19	0 49			0 33	19 1	4 20		23 3		4 36	6 9
T 25	10 57		26 12 29				13 37	1 22	3 34	2 18	0 48		-	0 33	19 1	4 20				4 37	6 9
F 26	10 36	19 21 2	31 12 49	2 30 10 3	8 1 24 23	13 0 37	13 37	1 22	3 37	2 18	0 47	0 46	12 11	0 33	19 1	4 19	23 7	23 3	11 3	4 38	6 9
S 27	10 15	15 43 3	30 13 8	2 12 10 3	31 1 24 23	10 0 38	13 37	1 22	3 39	2 18	0 46	0 46	12 12	0 33	19 2	4 19	23 7	23 2	11 5	4 39	6 9
S 28	9 54	-	17 13 24		3 1 25 23		13 37		3 42	2 18	0 45		12 12	0 33		4 19		-	11 7	4 40	6 9
M29	9 33		48 13 37				13 37	1 22	3 44	2 18	0 45		12 13	0 33		4 19		-	11 10	4 41	6 9
T 30	9 12	0s 4 5			8 1 25 22		13 37	1 23	3 47	2 18	0 44			0 33	19 2	4 19		-	11 12	4 43	6 9
W31	8n50	5 s 5 2 4	s53 13n56	0 s59 8n.	39 1n25 22ı	54 0n41	13n37	1 s23	3 s49	2n18	0n43	0s46	12s14	0 s33	19s 2	4n18	23 s 4	23 s 1	11n14	4 s44	6n 9

 $\label{eq:Julian Day Number = 2455774.5} \ Delta\ T = 66.48\ sec$ Ecliptic obliquity = 23°26'15, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°54'07, Lahiri = 24°01'08

SEPTEMBER 2011 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	ę,	Day
T 1	22 39 16	8 m 14'06	18 ≏ 26	20№26	12 m 29	189542	10°R21	15 ≏ 11	3°R32	29°R17	4°R57	19°R55	19 х 26	18 Y 5	2°R46	T 1
F 2	22 43 12	9°12'09	3 M .10	21°11	13°44	19°21	10821	15°17	3 Υ 30	29≈15	4 궁 57	19 × 749	19°23	18°12	2) 43	F 2
S 3	22 47 9	10°10'15	17°37	22° 4	14°58	19°59	10°20	15°24	3°28	29°13	4°56	19°45	19°20	18°19	2°40	S 3
S 4	22 51 5	11° 8'21	1 ∡ 743	23° 4	16°12	20°37	10°19	15°30	3°26	29°12	4°56	19°44	19°17	18°26	2°37	S 4
M 5	22 55 2	12° 6'30	15°27	24°10	17°27	21°15	10°18	15°37	3°24	29°10	4°55	19°43	19°14	18°32	2°34	M 5
T 6	22 58 59	13° 4'39	28°52	25°24	18°41	21°52	10°17	15°43	3°22	29° 9	4°55	19°43	19°11	18°39	2°31	T 6
W 7	23 2 55	14° 2'50	11 る 59	26°43	19°56	22°30	10°16	15°50	3°19	29° 7	4°55	19°42	19° 7	18°46	2°28	W 7
T 8	23 6 52	15° 1'03	24°51	28° 7	21°10	23° 8	10°14	15°56	3°17	29° 5	4°54	19°38	19° 4	18°52	2°25	T 8
F 9	23 10 48	15°59'16	7 ≈ 31	29°37	22°25	23°45	10°12	16° 3	3°15	29° 4	4°54	19°32	19° 1	18°59	2°23	F 9
S 10	23 14 45	16°57'32	20° 0	1 m p 1 1	23°39	24°23	10°10	16°10	3°13	29° 2	4°54	19°23	18°58	19° 6	2°20	S 10
S 11	23 18 41	17°55'49	2) 20	2°49	24°54	25° 0	10° 8	16°16	3°10	29° 1	4°54	19°11	18°55	19°12	2°17	S 11
M12	23 22 38	18°54'08	14°31	4°30	26° 8	25°38	10° 5	16°23	3° 8	28°59	4°54	18°57	18°51	19°19	2°14	M12
T 13	23 26 34	19°52'28	26°35	6°14	27°23	26°15	10° 3	16°30	3° 6	28°58	4°54	18°43	18°48	19°26	2°11	T 13
W14	23 30 31	20°50'51	8 Y 33	8° 1	28°37	26°52	10° 0	16°37	3° 3	28°56	4°53	18°30	18°45	19°33	2° 9	W14
T 15	23 34 28	21°49'15	20°26	9°49	29°52	27°29	9°57	16°44	3° 1	28°55	4°53	18°18	18°42	19°39	2° 6	T 15
F 16	23 38 24	22°47'42	2 8 16	11°39	1 º 6	28° 7	9°54	16°51	2°59	28°53	4°53	18° 9	18°39	19°46	2° 3	F 16
S 17	23 42 21	23°46'10	14° 5	13°30	2°21	28°43	9°50	16°58	2°56	28°52	4°D53	18° 2	18°36	19°53	2° 1	S 17
S 18	23 46 17	24°44'41	25°58	15°21	3°35	29°20	9°47	17° 4	2°54	28°50	4°53	17°58	18°32	19°59	1°58	S 18
M19	23 50 14	25°43'14	7 Ⅱ 58	17°13	4°50	29°57	9°43	17°11	2°52	28°49	4°53	17°57	18°29	20° 6	1°55	M19
T 20	23 54 10	26°41'49	20°11	19° 5	6° 4	0 Ω 34	9°39	17°18	2°49	28°48	4°53	17°56	18°26	20°13	1°53	T 20
W21	23 58 7	27°40'26	2 9 41	20°58	7°19	1°11	9°35	17°25	2°47	28°46	4°54	17°56	18°23	20°19	1°50	W21
T 22	0 2 3	28°39'06	15°35	22°50	8°34	1°47	9°31	17°33	2°44	28°45	4°54	17°55	18°20	20°26	1°48	T 22
F 23	0 6 0	29°37'47	28°55	24°41	9°48	2°24	9°26	17°40	2°42	28°43	4°54	17°53	18°16	20°33	1°45	F 23
S 24	0 9 57	0 ≏ 36'31	12 Ω 44	26°33	11° 3	3° 0	9°22	17°47	2°40	28°42	4°54	17°47	18°13	20°40	1°43	S 24
S 25	0 13 53	1°35'17	27° 4	28°23	12°17	3°36	9°17	17°54	2°37	28°41	4°54	17°39	18°10	20°46	1°40	S 25
M26	0 17 50	2°34'06	11 m 50	0 ჲ 13	13°32	4°12	9°12	18° 1	2°35	28°39	4°55	17°30	18° 7	20°53	1°38	M26
T 27	0 21 46	3°32'56	26°56	2° 2	14°47	4°48	9° 7	18° 8	2°32	28°38	4°55	17°19	18° 4	21° 0	1°35	T 27
W28	0 25 43	4°31'48	12 ≙ 11	3°51	16° 1	5°24	9° 1	18°15	2°30	28°37	4°55	17° 9	18° 1	21° 6	1°33	W28
T 29	0 29 39	5°30'42	27°25	5°38	17°16	6° 0	8°56	18°23	2°27	28°36	4°56	17° 0	17°57	21°13	1°31	T 29
F 30	0 33 36	6 ₾ 29'39	12 M 28	7 ≙ 25	18 ≏ 30	6 Ω 36	8 8 50	18 ≏ 30	2 Y 25	28≈34	4 궁 56	16 ₹ 53	17 ∡ 754	21 Y 20	1 ∺ 29	F 30

Day	0	D	ğ	Q		 ♂	2	ļ.	ħ	1)į	β((Е)	រា	U	ţ	Ł	;
	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				s42 8n11	1n25 22n49			1 s23	3 s52	2n17	0n42		12s15	0 s33		-			11n16	4 s 4 5	6n 9
F 2		16 1 3 4		25 7 42	1 25 22 45			1 23	3 54	2 17	0 41	0 46	-	0 33	19 3	4 18		_	11 18	4 46	6 9
S 3	7 45	19 40 2 4	1 14 0 0	10 7 14	1 25 22 40	0 44	13 36	1 23	3 57	2 17	0 40	0 46	12 16	0 33	19 3	4 18	23 2	23 1	11 20	4 47	6 9
S 4	7 23	22 2 1 3	4 13 55 01	n 6 6 45	1 25 22 35		13 35	1 24	4 0	2 17	0 40	0 46	12 16	0 33	19 3	4 17			11 23	4 48	6 9
M 5	, -	23 1 0 2		20 6 15	1 24 22 30	-		1 24	4 2	2 17	0 39		,	0 33	19 4		23 2		11 25	4 49	6 8
T 6	6 39	22 38 0n4	8 13 34 0	33 5 46	1 24 22 25		13 34	1 24	4 5	2 17	0 38	0 46	12 18	0 33	19 4	4 17		23 (11 27	4 50	6 8
W 7	6 17			45 5 16	1 24 22 20			1 24	4 7	2 17	0 37	0 46	-	0 33	19 4	4 17		23 (4 52	6 8
T 8		18 18 2 5			1 23 22 14			1 24	4 10	2 17	0 36		-	0 33	19 4	4 17			11 31	4 53	6 8
F 9			4 12 38 1	6 4 17	1 23 22 9	0 .0		1 25	4 13	2 17	0 35	0 46	-	0 33	19 5	4 16		22 59		4 54	6 8
S 10	5 9	10 40 4 2	2 12 13 1	15 3 47	1 22 22 3	0 49	13 31	1 25	4 15	2 16	0 34	0 46	12 20	0 33	19 5	4 16	23 1	22 59	11 36	4 55	6 8
S 11	4 46	6 10 4 4	7 11 45 1	23 3 17	1 22 21 57	0 50	13 31	1 25	4 18	2 16	0 33	0 46	12 20	0 33	19 5	4 16	23 0	22 58	11 38	4 56	6 8
M12	4 23	1 30 4 5	9 11 15 1	30 2 46	1 21 21 5	0 51	13 30	1 25	4 21	2 16	0 32	0 46	12 21	0 33	19 5	4 16	22 59	22 58	11 40	4 57	6 7
T 13	4 1	3n11 4 5	7 10 42 1	35 2 16	1 20 21 45	0 52	13 29	1 25	4 23	2 16	0 31	0 46	12 21	0 33	19 6	4 15	22 58	22 58	11 42	4 58	6 7
W14	3 38	-		40 1 46	1 19 21 38			1 26	4 26	2 16	0 30	0 46	12 22	0 33	19 6				11 44	4 59	6 7
T 15	3 15	11 54 4 1	5 9 29 1	44 1 15	1 19 21 32	0 53	13 26	1 26	4 29	2 16	0 30	0 46	12 22	0 33	19 6	4 15	22 55	22 57	11 46	5 1	6 7
F 16		15 38 3 3		46 0 45	1 18 21 25		-	1 26	4 31	2 16	0 29			0 33	19 6				11 48	5 2	6 7
S 17	2 28	18 45 2 4	9 8 9 1	48 0 14	1 17 21 19	0 55	13 24	1 26	4 34	2 16	0 28	0 46	12 23	0 33	19 7	4 14	22 54	22 57	11 51	5 3	6 6
S 18	2 5	21 5 1 5	4 7 27 1	49 0s16	1 16 21 12	0 56	13 23	1 26	4 37	2 16	0 27	0 46	12 24	0 33	19 7	4 14	22 54	22 57	11 53	5 4	6 6
M19	1 42	22 30 0 5	6 44 1	50 0 47	1 14 21 5	0 57	13 21	1 26	4 40	2 16	0 26	0 46	12 24	0 33	19 7	4 14	22 53	22 56	11 55	5 5	6 6
T 20	1 19	22 53 0s1	2 5 59 1	49 1 17	1 13 20 58	0 58	13 20	1 27	4 42	2 16	0 25	0 46	12 25	0 33	19 7	4 14	22 53	22 56	11 57	5 6	6 6
W21	0 55	22 7 1 1	7 5 14 1	48 1 48	1 12 20 5		13 19	1 27	4 45	2 16	0 24	0 46	12 25	0 33	19 7				11 59	5 7	6 6
T 22	0 32			46 2 19	1 11 20 44		13 17	1 27	4 48	2 16	0 23		-	0 33	19 8			22 55		5 8	6 5
F 23	0 9	17 8 3 1	9 3 42 1	44 2 49	1 9 20 36		13 16	1 27	4 51	2 16	0 22	0 46	12 26	0 33	19 8			22 55		5 10	6 5
S 24	0s15	13 1 4	8 2 55 1	41 3 20	1 8 20 29	1 1	13 14	1 27	4 53	2 15	0 21	0 46	12 27	0 33	19 8	4 13	22 53	22 55	12 5	5 11	6 5
S 25	0 38	8 4 4 4	3 2 8 1	38 3 50	1 6 20 21	1 2	13 12	1 27	4 56	2 15	0 20	0 46	12 27	0 33	19 8	4 13	22 52	22 55	12 8	5 12	6 5
M26	1 1	2 30 5	0 1 21 1	34 4 21	1 5 20 13	1 3	13 11	1 28	4 59	2 15	0 19	0 46	12 28	0 33	19 9	4 12	22 51	22 54	12 10	5 13	6 4
T 27	1 25	3 s20 4 5	7 0 34 1	30 4 51	1 3 20 6	1 4	13 9	1 28	5 2	2 15	0 18	0 46	12 28	0 33	19 9	4 12	22 50	22 54	12 12	5 14	6 4
W28	1 48	9 1 4 3	4 0s13 1	26 5 21	1 2 19 58	1 5	13 7	1 28	5 4	2 15	0 17	0 46	12 29	0 33	19 9	4 12	22 49	22 54	12 14	5 15	6 4
T 29	2 11	14 8 3 5	0 1 0 1	21 5 51	1 0 19 50	1 5	13 5	1 28	5 7	2 15	0 16	0 46	12 29	0 33	19 9			_	12 16	5 16	6 4
F 30	2 s35	18 s18 2 s5	2 1 s47 1ı	n15 6s21	0n58 19n4	1n 6	13n 3	1 s28	5 s 1 0	2n15	0n15	0 s46	12 s29	0 s33	19s 9	4n11	22 s47	22 s53	12n18	5 s 1 7	6n 3

 $\label{eq:Julian Day Number = 2455805.5, Delta T = 66.51 sec} \\ Ecliptic obliquity = 23°26'15, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°54'12, Lahiri = 24°01'12} \\$

OCTOBER 2011 00:00 UT

															••••	
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	N.	v	Ç	ķ	Day
S 1	0 37 32	7 ₾ 28'37	27 M 10	9 亞 11	19 ≙ 45	7 Ω 12	8°R44	18 ≏ 37	2°R23	28°R33	4 궁 56	16°R50	17 ×7 51	21 Y 26	1°R26	S 1
S 2	0 41 29	8°27'37	11 × 28	10°56	21° 0	7°47	8 8 38	18°44	2 Υ 20	28≈32	4°57	16°D48	17°48	21°33	1) (24	S 2
M 3	0 45 25	9°26'39	25°20	12°40	22°14	8°23	8°32	18°52	2°18	28°31	4°57	16 × 748	17°45	21°40	1°22	M 3
T 4	0 49 22	10°25'42	8 조 46	14°23	23°29	8°58	8°26	18°59	2°16	28°30	4°58	16°R49	17°42	21°47	1°20	T 4
W 5	0 53 19	11°24'47	21°50	16° 6	24°43	9°34	8°20	19° 6	2°13	28°29	4°58	16°48	17°38	21°53	1°18	W 5
T 6	0 57 15	12°23'54	4≈35	17°48	25°58	10° 9	8°13	19°13	2°11	28°28	4°59	16°46	17°35	22° 0	1°16	T 6
F 7	1 1 12	13°23'03	17° 5	19°28	27°13	10°44	8° 6	19°21	2° 8	28°27	5° 0	16°41	17°32	22° 7	1°14	F 7
S 8	1 5 8	14°22'13	29°23	21° 8	28°27	11°19	8° 0	19°28	2° 6	28°26	5° 0	16°34	17°29	22°13	1°12	S 8
S 9	1 9 5	15°21'25	11) (31	22°48	29°42	11°54	7°53	19°35	2° 4	28°25	5° 1	16°24	17°26	22°20	1°10	S 9
M10	1 13 1	16°20'39	23°33	24°26	0 M .56	12°29	7°46	19°43	2° 1	28°24	5° 2	16°13	17°22	22°27	1° 8	M10
T 11	1 16 58	17°19'55	5 Υ 29	26° 4	2°11	13° 3	7°39	19°50	1°59	28°23	5° 2	16° 1	17°19	22°33	1° 7	T 11
W12	1 20 54	18°19'13	17°22	27°41	3°26	13°38	7°31	19°57	1°57	28°22	5° 3	15°50	17°16	22°40	1° 5	W12
T 13	1 24 51	19°18'33	29°13	29°17	4°40	14°12	7°24	20° 5	1°55	28°21	5° 4	15°41	17°13	22°47	1° 3	T 13
F 14	1 28 48	20°17'56	118 4	0 M .52	5°55	14°47	7°17	20°12	1°52	28°20	5° 5	15°33	17°10	22°54	1° 2	F 14
S 15	1 32 44	21°17'20	22°56	2°27	7°10	15°21	7° 9	20°19	1°50	28°19	5° 6	15°28	17° 7	23° 0	1° 0	S 15
S 16	1 36 41	22°16'47	4 Ⅱ 52	4° 1	8°24	15°55	7° 2	20°27	1°48	28°18	5° 7	15°25	17° 3	23° 7	0°58	S 16
M17	1 40 37	23°16'16	16°55	5°35	9°39	16°29	6°54	20°34	1°46	28°18	5° 7	15°D24	17° 0	23°14	0°57	M17
T 18	1 44 34	24°15'47	29°10	7° 7	10°53	17° 3	6°46	20°41	1°43	28°17	5° 8	15°25	16°57	23°20	0°56	T 18
W19	1 48 30	25°15'20	11939	8°40	12° 8	17°37	6°38	20°49	1°41	28°16	5° 9	15°26	16°54	23°27	0°54	W19
T 20	1 52 27	26°14'56	24°29	10°11	13°23	18°10	6°30	20°56	1°39	28°15	5°10	15°R27	16°51	23°34	0°53	T 20
F 21	1 56 23	27°14'34	7 Ω 43	11°42	14°37	18°44	6°23	21° 3	1°37	28°15	5°11	15°26	16°48	23°40	0°52	F 21
S 22	2 0 20	28°14'14	21°24	13°12	15°52	19°17	6°15	21°10	1°35	28°14	5°13	15°24	16°44	23°47	0°50	S 22
S 23	2 4 17	29°13'56	5 m 33	14°42	17° 6	19°50	6° 6	21°18	1°33	28°14	5°14	15°20	16°41	23°54	0°49	S 23
M24	2 8 13	0 M .13'41	20°10	16°11	18°21	20°23	5°58	21°25	1°31	28°13	5°15	15°14	16°38	24° 0	0°48	M24
T 25	2 12 10	1°13'28	5 ₾ 8	17°39	19°36	20°56	5°50	21°32	1°29	28°12	5°16	15° 7	16°35	24° 7	0°47	T 25
W26	2 16 6	2°13'17	20°21	19° 7	20°50	21°29	5°42	21°40	1°27	28°12	5°17	15° 0	16°32	24°14	0°46	W26
T 27	2 20 3	3°13'08	5 M .38	20°34	22° 5	22° 2	5°34	21°47	1°25	28°11	5°18	14°55	16°28	24°21	0°45	T 27
F 28	2 23 59	4°13'01	20°48	22° 1	23°19	22°35	5°26	21°54	1°23	28°11	5°19	14°51	16°25	24°27	0°44	F 28
S 29	2 27 56	5°12'56	5 ₹ 42	23°27	24°34	23° 7	5°18	22° 1	1°21	28°11	5°21	14°49	16°22	24°34	0°44	S 29
S 30	2 31 52	6°12'53	2 <u>0</u> °12	24°52	25°49	23°39	5°10	22° 8	1°19	28°10	<u>5°22</u>	14°D49	16°19	24°41	0°43	S 30
M31	2 35 49	7 M 12'51	4 궁 15	26M16	27 m 3	24 Ω 11	5 8 1	22 ≏ 16	1 Y 17	28≈10	5 군 23	14 × 750	16 × 16	24 Y 47	0) 42	M31

Day	0	J		ğ		ç)	C	7	2	+	ħ)į	ξ(4	(E)	n	v	Ç	Ł	5
	decl	decl la	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	2 s58	21 s11	1 s42	2 s34	1n10	6s51	0n57	19n33	1n 7	13n 1	1 s28	5 s 1 3	2n15	0n14	0s46	12 s30	0 s33	19s10	4n11	22 s47	22 s53	12n20	5s18	6n 3
S 2	3 21	22 37	0 28	3 20	1 4	7 21	0 55	19 25	1 8	12 59	1 28	5 15	2 15	0 13	0 46	12 30	0 33	19 10	4 11	22 47	22 53	12 22	5 19	6 3
M 3			0n45	4 6	0 59	7 50		19 17		12 57	1 28	5 18	2 15	0 12		12 31	0 33					12 24	5 20	6 3
T 4 W 5	4 8 4 31	-	1 54 2 55	4 52 5 37	0 52 0 46	8 20 8 49		19 8 19 0	1 10 1 11	12 55 12 53	1 28 1 29	5 21 5 24	2 15 2 15	0 11 0 11	0 46 0 46		0 33 0 33					12 26 12 28	5 21 5 22	6 2
T 6	-		3 46	6 22	0 40	9 18		18 51	1 11		1 29	5 26	2 15	0 10			0 33					12 28		6 2
F 7	-		4 25	7 6	0 33	9 47		18 42		12 49	1 29	5 29	2 15	0 9		12 32	0 33					12 32	5 24	6 1
S 8	5 40	7 9	4 50	7 50	0 27	10 15	0 43	18 34	1 14	12 46	1 29	5 32	2 15	0 8	0 46	12 33	0 33	19 11	4 10	22 46	22 51	12 35	5 25	6 1
S 9	6 3	2 35	5 3	8 33	0 20	10 44	0 41	18 25	1 14	12 44	1 29	5 35	2 15	0 7	0 46	12 33	0 33	19 11	4 9	22 45	22 51	12 37	5 26	6 1
M10	6 26			9 16	0 13			18 16		12 42	1 29	5 38	2 15	0 6			0 33	19 12		22 43			5 27	6 0
T 11	6 48		4 47	9 58	0 6			18 7		12 39	1 29	5 40	2 15	0 5		_	0 33	19 12		22 42			5 28	6 0
W12 T 13	7 11 7 33			10 39 11 20	0s 1 0 7			17 58 17 49		12 37 12 35	1 29 1 29	5 43 5 46	2 15 2 15	0 4 0 3		_	0 33 0 33	19 12 19 12	4 9 4 8	22 41	22 49		5 29 5 30	6 0 5 59
F 14				12 0				17 40		12 33	1 29	5 48	2 15	0 2			0 33	19 12		22 39			5 30	5 59
S 15	8 18	20 24	1 58	12 39	0 21	13 28	0 27	17 30	1 20	12 30	1 29	5 51	2 15	0 2	0 46	12 35	0 33	19 13	4 8	22 39	22 49	12 49	5 31	5 59
S 16	8 40	22 2 0	0 56	13 18	0 28	13 55	0 25	17 21	1 21	12 27	1 29	5 54	2 15	0 1	0 46	12 35	0 33	19 13	4 8	22 38	22 48	12 51	5 32	5 58
M17	9 2	-		13 56	0 35			17 12	1 22		1 29	5 57	2 15	0 s 0	0 46	12 35	0 33	19 13	4 8		-	12 53	5 33	5 58
T 18			-	14 33	0 42			17 2	1 23		1 29	5 59	2 15	0 1	0 46		0 33	19 13	4 7			12 55	5 34	
W19 T 20	9 46			15 9 15 45	0 49 0 56			16 53 16 44	1 24 1 25		1 29 1 29	6 2 6 5	2 15 2 15	0 2 0 3			0 33 0 33	19 13 19 14				12 57 12 59	5 35 5 35	5 57 5 57
F 21	10 29			16 20	1 2			16 34			1 29	6 8	2 15	0 4			0 33		4 7		22 47		5 36	
S 22	10 51	9 54	4 42	16 54	1 9	16 25	0 10	16 25	1 27	12 12	1 29	6 10	2 15	0 4	0 46	12 36	0 33	19 14	4 6	22 38	22 47	13 3	5 37	5 56
S 23	11 12	4 45	5 4	17 27	1 15	16 49	0 8	16 15	1 28	12 9	1 29	6 13	2 15	0 5	0 46	12 37	0 33	19 14	4 6	22 38	22 46	13 5	5 38	5 56
M24	11 33			17 59	1 22	17 12		16 5	1 29		1 29	6 16	2 15	0 6	0 46		0 33	19 14		22 37			5 38	5 55
T 25	11 54			18 30	1 28	17 35		15 56	1 30		1 29	6 18	2 15	0 7	0 46		0 33	19 14		22 36	-		5 39	5 55
W26 T 27	12 15 12 35		4 12 3	19 1 19 30	1 34 1 40	17 58 18 20		15 46 15 37	1 31 1 32	12 1 11 59	1 29 1 29	6 21 6 24	2 15 2 15	0 7 0 8		12 37 12 37	0 33 0 33	19 15 19 15		22 36 22 35			5 40 5 40	5 55 5 54
F 28			-	19 59	1 46	18 41		15 27	1 33		1 29	6 26	2 15	0 9		12 37	0 33	19 15				13 15	5 41	5 54
S 29	13 16	22 4	0 49 2	20 26	1 52	19 2		15 17	1 34	11 53	1 29	6 29	2 15	0 10	0 46	12 38	0 33	19 15	4 5	22 34	22 44	13 17	5 42	5 54
S 30	13 35	22 35	0n29	20 53	1 57	19 23	0 10	15 7	1 35	11 51	1 29	6 31	2 16	0 10	0 46	12 38	0 33	19 15	4 5	22 34	22 44	13 19	5 42	5 53
M31	13 s55	21 s38	1n44	21 s18	2s 2	19 s42	0s13	14n58	1n36	11n48	1 s29	6 s 3 4	2n16	0s11	0 s46	12 s38	0 s33	19s15	4n 4	22 s34	22 s44	13n21	5 s43	5n53

Julian Day Number = 2455835.5, Delta T = 66.53 sec Ecliptic obliquity = $23^{\circ}26'15$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}54'16$, Lahiri = $24^{\circ}01'16$

NOVEMBER 2011 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ұ(并	Р	u	U	Ç	, k	Day
T 1	2 39 46	8 M .12'51	17 ට 51	27 M 40	28 M .18	24 Ω 43	4°R53	22 <u>0</u> 23	1°R16	28°R10	5 云 25	14 × 751	16 × 13	24 Y 54	0°R42	T 1
W 2	2 43 42	9°12'53	1≈ 1	29° 2	29°32	25°15	4 8 45	22°30	1 Υ 14	28≈ 9	5°26	14°52	16° 9	25° 1	0) €41	W 2
T 3	2 47 39	10°12'56	13°48	0 ∡ 124	0 ∡ 147	25°47	4°37	22°37	1°12	28° 9	5°27	14°R53	16° 6	25° 7	0°40	T 3
F 4	2 51 35	11°13'01	26°16	1°45	2° 2	26°19	4°29	22°44	1°10	28° 9	5°29	14°51	16° 3	25°14	0°40	F 4
S 5	2 55 32	12°13'07	8 ∺ 29	3° 5	3°16	26°50	4°21	22°51	1° 9	28° 9	5°30	14°49	16° 0	25°21	0°40	S 5
S 6	2 59 28	13°13'15	20°32	4°23	4°31	27°21	4°13	22°58	1° 7	28° 8	5°32	14°44	15°57	25°27	0°39	S 6
M 7	3 3 25	14°13'24	2 Υ 28	5°40	5°45	27°52	4° 5	23° 5	1° 6	28° 8	5°33	14°39	15°53	25°34	0°39	M 7
T 8	3 7 21	15°13'35	14°20	6°56	7° 0	28°23	3°57	23°12	1° 4	28° 8	5°35	14°34	15°50	25°41	0°39	T 8
W 9	3 11 18	16°13'48	26°10	8°10	8°14	28°54	3°50	23°19	1° 3	28° 8	5°36	14°29	15°47	25°48	0°39	W 9
T 10	3 15 14	17°14'02	8 8 2	9°23	9°29	29°24	3°42	23°26	1° 1	28°D 8	5°38	14°24	15°44	25°54	0°39	T 10
F 11	3 19 11	18°14'19	19°56	10°34	10°44	29°55	3°34	23°33	1° 0	28° 8	5°39	14°21	15°41	26° 1	0°D38	F 11
S 12	3 23 8	19°14'37	1 II 55	11°42	11°58	0 m 25	3°27	23°40	0°58	28° 8	5°41	14°19	15°38	26° 8	0°39	S 12
S 13	3 27 4	20°14'56	14° 1	12°48	13°13	0°55	3°19	23°47	0°57	28° 8	5°42	14°D18	15°34	26°14	0°39	S 13
M14	3 31 1	21°15'18	26°14	13°51	14°27	1°25	3°12	23°54	0°56	28° 9	5°44	14°18	15°31	26°21	0°39	M14
T 15	3 34 57	22°15'41	8939	14°51	15°42	1°54	3° 5	24° 0	0°54	28° 9	5°46	14°20	15°28	26°28	0°39	T 15
W16	3 38 54	23°16'06	21°17	15°47	16°56	2°24	2°57	24° 7	0°53	28° 9	5°47	14°21	15°25	26°34	0°39	W16
T 17	3 42 50	24°16'33	4 Ω 11	16°40	18°11	2°53	2°50	24°14	0°52	28° 9	5°49	14°23	15°22	26°41	0°40	T 17
F 18	3 46 47	25°17'02	17°24	17°28	19°25	3°22	2°43	24°20	0°51	28° 9	5°51	14°24	15°19	26°48	0°40	F 18
S 19	3 50 44	26°17'33	0 m 58	18°11	20°40	3°51	2°36	24°27	0°50	28°10	5°53	14°R24	15°15	26°54	0°40	S 19
S 20	3 54 40	27°18'05	14°55	18°48	21°54	4°20	2°30	24°34	0°49	28°10	5°54	14°23	15°12	27° 1	0°41	S 20
M21	3 58 37	28°18'39	29°14	19°19	23° 9	4°48	2°23	24°40	0°48	28°10	5°56	14°22	15° 9	27° 8	0°42	M21
T 22	4 2 33	29°19'15	13 ≏ 53	19°43	24°23	5°16	2°17	24°47	0°47	28°11	5°58	14°20	15° 6	27°15	0°42	T 22
W23	4 6 30	0 ₮ 19'53	28°46	19°59	25°38	5°44	2°10	24°53	0°46	28°11	6° 0	14°18	15° 3	27°21	0°43	W23
T 24	4 10 26	1°20'32	13 M .47	20°R 7	26°52	6°12	2° 4	24°59	0°45	28°12	6° 2	14°16	14°59	27°28	0°44	T 24
F 25	4 14 23	2°21'13	28°47	20° 5	28° 6	6°40	1°58	25° 6	0°44	28°12	6° 3	14°15	14°56	27°35	0°44	F 25
S 26	4 18 19	3°21'56	13 × 37	19°53	29°21	7° 7	1°52	25°12	0°44	28°13	6° 5	14°D15	14°53	27°41	0°45	S 26
S 27	4 22 16	4°22'40	28°10	19°30	0 ට 35	7°34	1°47	25°18	0°43	28°13	6° 7	14°15	14°50	27°48	0°46	S 27
M28	4 26 13	5°23'25	12 る 20	18°57	1°50	8° 1	1°41	25°25	0°42	28°14	6° 9	14°16	14°47	27°55	0°47	M28
T 29	4 30 9	6°24'11	26° 4	18°13	3° 4	8°28	1°36	25°31	0°42	28°15	6°11	14°17	14°44	28° 1	0°48	T 29
W30	4 34 6	7 .₹ 124'58	9≈22	17 × 18	4 る 19	8 m 54	1830	25 ≏ 37	0 Υ 41	28≈15	6 ප 13	14 × 17	14 × 740	28 Y 8	0) (49	W30

Day	0	D	ğ	φ	♂	4	ħ)Å(卉	В	w v	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	el decl	decl lat
T 1 W 2	14 s15 14 34	16 16 3 45	22 6 2 1	7 20s 2 0s16 2 20 21 0 18	14 38 1 38	11n45 1 s29 11 43 1 29	6s37 2n16 6 39 2 16		12 38 0 33	19 16 4 4		13 13 25	5 s44 5 n52 5 44 5 52
T 3 F 4 S 5	14 53 15 12 15 30	8 7 4 56	22 49 2 2	7 20 39 0 21 11 20 57 0 23 15 21 14 0 26	14 19 1 40	11 40 1 28 11 38 1 28 11 35 1 28	6 42 2 16 6 44 2 16 6 47 2 16	0 14 0 46	12 38 0 33 12 38 0 33 12 38 0 33	19 16 4 4	22 35 22 4 22 35 22 4 22 34 22 4	12 13 29	5 45 5 52 5 45 5 51 5 46 5 51
S 6 M 7 T 8	15 48 16 6 16 24	5 32 4 57	23 44 2 3	2 21 46 0 31	13 49 1 43	11 33 1 28 11 30 1 28 11 28 1 28	6 49 2 16 6 52 2 16 6 54 2 16	0 15 0 46 0 16 0 45 0 16 0 45		19 16 4 3	22 34 22 4 22 33 22 4 22 33 22 4	11 13 34	5 46 5 50 5 47 5 50 5 47 5 50
W 9 T 10	16 41 16 59	13 44 3 54 17 7 3 6	24 15 2 3 24 28 2 3	37 22 16 0 36 39 22 31 0 39 40 22 44 0 41	13 30 1 45 13 20 1 46	11 25 1 28 11 23 1 28 11 20 1 27	6 57 2 16 6 59 2 16 7 2 2 16	0 17 0 45 0 17 0 45	12 38 0 33 12 38 0 33 12 38 0 33	19 17 4 3 19 17 4 2	22 32 22 4 22 32 22 4 22 31 22 4	11 13 38 10 13 40	5 48 5 49
S 12 S 13	17 48	22 30 0 2	24 51 2 4 25 0 2 4	1 22 57 0 44 1 23 9 0 46	13 1 1 49 12 51 1 50	11 18 1 27 11 15 1 27	7 4 2 17 7 7 2 17	0 18 0 45 0 19 0 45	12 38 0 33 12 38 0 33	19 17 4 2 19 17 4 2	22 31 22 4 22 31 22 3	10 13 44 39 13 46	
M14 T 15 W16	18 20 18 35	18 37 3 10	25 14 2 4 25 18 2 3	8 23 41 0 51 8 23 41 0 54	12 32 1 52 12 23 1 53	11 13 1 27 11 11 1 27 11 8 1 26	7 9 2 17 7 11 2 17 7 14 2 17	0 20 0 45 0 20 0 45	12 38 0 33 12 38 0 33	19 17 4 2 19 17 4 1	22 31 22 3 22 31 22 3 22 31 22 3	39 13 50 38 13 52	5 50 5 47 5 50 5 46
T 17 F 18 S 19	18 50 19 5 19 19	11 8 4 42	25 22 2 3	66 23 50 0 56 1 62 23 59 0 58 1 7 24 7 1 1	12 4 1 55		7 16 2 17 7 18 2 17 7 21 2 17	0 21 0 45	12 38 0 33 12 38 0 33 12 38 0 33	19 18 4 1	22 31 22 3 22 31 22 3 22 31 22 3	13 56	5 50 5 46 5 50 5 46 5 51 5 45
S 20 M21 T 22	19 33 19 47 20 0	4s22 5 6		5 24 21 1 5		11 0 1 26 10 58 1 25 10 56 1 25	7 23 2 17 7 25 2 18 7 27 2 18	0 22 0 45	12 38 0 33 12 37 0 33 12 37 0 33	19 18 4 0	22 31 22 3 22 31 22 3 22 31 22 3	37 14 1	5 51 5 45 5 51 5 44 5 51 5 44
T 24	20 26	14 33 3 46 18 32 2 41	25 1 1 5 24 51 1 4	8 24 32 1 10	11 17 2 1 11 8 2 2	10 54 1 25	7 30 2 18 7 32 2 18 7 34 2 18	0 23 0 45 0 23 0 45		19 18 4 0 19 18 4 0	22 31 22 3 22 31 22 3 22 31 22 3	36 14 5 36 14 7	5 51 5 44 5 51 5 43 5 51 5 43
S 26		-	24 24 1 2	1 24 42 1 16 1 6 24 44 1 18	10 50 2 5	10 48 1 24	7 36 2 18 7 38 2 18	0 24 0 45	12 37 0 33	19 18 4 0	22 30 22 3	35 14 11	5 52 5 43
M28 T 29	21 12 21 23	20 23 2 30 17 28 3 32	23 47 0 4 23 26 0 3		10 32 2 7 10 23 2 9	10 45 1 24	7 40 2 19 7 43 2 19 7 s45 2n19	0 24 0 45 0 24 0 45	12 36 0 33 12 36 0 33	19 19 3 59 19 19 3 59	22 31 22 3 22 31 22 3 22 s31 22 s	34 14 14 34 14 16	5 52 5 42 5 52 5 41

Julian Day Number = 2455866.5, Delta T = 66.55 sec Ecliptic obliquity = $23^{\circ}26'14$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}54'20$, Lahiri = $24^{\circ}01'21$

DECEMBER 2011 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)វ(卉	Р	ß	Ω	ţ	ę,	Day
T 1	4 38 2	8 ₹ ¹25'46	22≈15	16°R14	5 る 33	9 m ₂ 0	1°R25	25 ≙ 43	0°R41	28≈16	6 ට 15	14 × 18	14 × 37	28 Υ 15	0) 51	T 1
F 2	4 41 59	9°26'34	4) (47	15 × 2	6°47	9°46	1821	25°49	0 Υ 40	28°17	6°17	14°R18	14°34	28°21	0°52	F 2
S 3	4 45 55	10°27'24	17° 2	13°43	8° 2	10°11	1°16	25°55	0°40	28°17	6°19	14°18	14°31	28°28	0°53	S 3
S 4	4 49 52	11°28'15	29° 5	12°21	9°16	10°37	1°11	26° 1	0°40	28°18	6°21	14°18	14°28	28°35	0°55	S 4
M 5	4 53 48	12°29'06	10 Y 59	10°59	10°30	11° 2	1° 7	26° 6	0°39	28°19	6°23	14°18	14°25	28°41	0°56	M 5
T 6	4 57 45	13°29'59	22°49	9°38	11°45	11°26	1° 3	26°12	0°39	28°20	6°25	14°18	14°21	28°48	0°57	T 6
W 7	5 1 42	14°30'52	4 8 39	8°21	12°59	11°51	0°59	26°18	0°39	28°21	6°27	14°D18	14°18	28°55	0°59	W 7
T 8	5 5 38	15°31'46	16°33	7°12	14°13	12°15	0°55	26°24	0°39	28°22	6°29	14°18	14°15	29° 2	1° 1	T 8
F 9	5 9 35	16°32'41	28°33	6°12	15°28	12°39	0°52	26°29	0°39	28°23	6°31	14°18	14°12	29° 8	1° 2	F 9
S 10	5 13 31	17°33'37	10 Ⅱ 42	5°21	16°42	13° 2	0°48	26°35	0°D39	28°24	6°33	14°R18	14° 9	29°15	1° 4	S 10
S 11	5 17 28	18°34'33	23° 1	4°42	17°56	13°26	0°45	26°40	0°39	28°25	6°35	14°18	14° 5	29°22	1° 6	S 11
M12	5 21 24	19°35'31	5932	4°14	19°10	13°48	0°42	26°45	0°39	28°26	6°37	14°18	14° 2	29°28	1° 7	M12
T 13	5 25 21	20°36'30	18°15	3°57	20°24	14°11	0°39	26°51	0°39	28°27	6°39	14°17	13°59	29°35	1° 9	T 13
W14	5 29 17	21°37'29	1Ω 12	3°D51	21°39	14°33	0°37	26°56	0°39	28°28	6°41	14°16	13°56	29°42	1°11	W14
T 15	5 33 14	22°38'30	14°22	3°56	22°53	14°55	0°34	27° 1	0°39	28°29	6°43	14°15	13°53	29°48	1°13	T 15
F 16	5 37 11	23°39'31	27°46	4° 9	24° 7	15°17	0°32	27° 6	0°39	28°30	6°45	14°14	13°50	29°55	1°15	F 16
S 17	5 41 7	24°40'34	11 m /24	4°32	25°21	15°38	0°30	27°11	0°40	28°32	6°47	14°13	13°46	0 8 2	1°17	S 17
S 18	5 45 4	25°41'37	25°16	5° 2	26°35	15°59	0°28	27°16	0°40	28°33	6°49	14°D13	13°43	0° 8	1°19	S 18
M19	5 49 0	26°42'41	9 ₽ 22	5°39	27°49	16°19	0°27	27°21	0°40	28°34	6°52	14°13	13°40	0°15	1°22	M19
T 20	5 52 57	27°43'46	23°40	6°22	29° 3	16°39	0°26	27°26	0°41	28°35	6°54	14°14	13°37	0°22	1°24	T 20
W21	5 56 53	28°44'52	8 M , 7	7°11	0≈17	16°59	0°24	27°31	0°41	28°37	6°56	14°15	13°34	0°28	1°26	W21
T 22	6 0 50	29°45'59	22°41	8° 5	1°31	17°18	0°23	27°35	0°42	28°38	6°58	14°16	13°31	0°35	1°28	T 22
F 23	6 4 46	0 궁 47'07	7 . ₹15	9° 3	2°45	17°37	0°23	27°40	0°43	28°40	7° 0	14°R17	13°27	0°42	1°31	F 23
S 24	6 8 43	1°48'15	21°45	10° 4	3°59	17°56	0°22	27°44	0°43	28°41	7° 2	14°17	13°24	0°48	1°33	S 24
S 25	6 12 40	2°49'24	6 පි 4	11° 9	5°13	18°14	0°22	27°49	0°44	28°42	7° 4	14°16	13°21	0°55	1°36	S 25
M26	6 16 36	3°50'33	20° 7	12°17	6°27	18°31	0°D22	27°53	0°45	28°44	7° 7	14°14	13°18	1° 2	1°38	M26
T 27	6 20 33	4°51'43	3≈50	13°28	7°41	18°48	0°22	27°57	0°46	28°45	7° 9	14°11	13°15	1° 9	1°41	T 27
W28	6 24 29	5°52'52	17°10	14°41	8°54	19° 5	0°22	28° 2	0°47	28°47	7°11	14° 8	13°11	1°15	1°43	W28
T 29	6 28 26	6°54'02	0 ∀ 8	15°56	10°8	19°21	0°23	28° 6	0°48	28°49	7°13	14° 4	13° 8	1°22	1°46	T 29
F 30	6 32 22	7°55'11	12°44	17°12	11°22	19°37	0°24	28°10	0°48	28°50	7°15	14° 1	13° 5	1°29	1°49	F 30
S 31	6 36 19	8 ප් 56'21	25 ¥ 3	18 × 30	12 ≈ 36	19 m 52	0 8 25	28 ≏ 14	0 Υ 50	28≈52	7 궁 17	13 × 759	13 ×7 2	1 8 35	1 米 51	S 31

Day	0	D		ರ	Q	1	ď	7	2	ł	ħ	1);	β(4	7	В		n	Ω	Ç	ď	5
	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 F 2 S 3	21 s42 21 52 22 1	4 53 5	154 22 s 35 13 22 3 17 21 38	0 29	24 s 45 24 43 24 41	1 s26 1 28 1 29	10n 6 9 57 9 49	2n11 2 12 2 14	10n40 10 39 10 37	1 s23 1 23 1 22	7 s47 7 49 7 51	2n19 2 19 2 19	0 s25 0 25 0 25	0 45	12 35	0 s33 0 33 0 33	19 19	3 59	22 31	22 s33 22 33 22 32	14 22	5 s 5 2 5 5 1 5 5 1	5n41 5 40 5 40
S 4 M 5 T 6 W 7 T 8 F 9	_	12 43 4 16 15 3 19 9 2	7 21 8 44 20 38 9 20 10 23 19 43 28 19 18 26 18 57	1 28 1 45 2 1 2 14	24 34 24 29 24 23 24 17	1 31 1 33 1 34 1 36 1 37 1 38	9 40 9 32 9 24 9 16 9 8 9 0	2 16 2 18 2 19	10 36 10 35 10 34 10 33 10 32 10 31	1 22 1 22 1 22 1 21 1 21 1 21	7 53 7 55 7 57 7 58 8 0 8 2	2 20 2 20 2 20 2 20 2 20 2 20 2 20	0 25 0 25 0 25 0 25 0 25 0 25 0 25	0 44 0 44 0 44 0 44	12 34	0 33 0 33 0 33 0 33	19 19 19 19 19 19 19 19	3 58 3 58 3 58 3 58	22 31 22 31 22 31 22 31	22 32 22 32 22 31 22 31 22 30 22 30	14 27 14 29 14 31 14 33	5 51 5 51 5 51 5 51 5 51 5 50	5 39 5 39 5 39 5 38 5 38 5 38
S 10 S 11 M12	22 51 22 57 23 2	22 23 0 22 27 0s 21 24 1	20 18 39 348 18 26 55 18 16	2 35	24 323 5423 45	1 40 1 41 1 42	8 52 8 44 8 37	2 232 242 26	10 30 10 29	1 21 1 20 1 20	8 4 8 6 8 7	2 21 2 21 2 21 2 21	0 25 0 25 0 25 0 25	0 44 0 44	12 33 12 32	0 33	19 19 19 19	3 58 3 57 3 57	22 3122 3122 31	22 30 22 29 22 29	14 36 14 38 14 40	5 50 5 50 5 50	5 37 5 37 5 36
T 13 W14 T 15 F 16 S 17	23 6 23 10 23 14 23 17 23 20	12 8 4 7 29 5	52 18 9	2 49 2 49 2 47	23 25 23 14	1 43 1 44 1 45 1 46 1 47	8 29 8 22 8 15 8 8 8 1	2 27 2 29 2 30 2 32 2 33	10 26	1 20 1 19 1 19 1 19 1 18	8 9 8 11 8 13 8 14 8 16	2 21 2 21 2 22 2 22 2 22	0 25 0 25 0 25 0 25 0 25		12 31 12 31	0 33 0 33 0 33 0 33 0 33	19 19 19 19	3 57 3 57 3 57	22 31 22 30 22 30	22 29 22 28 22 28 22 27 22 27	14 43 14 45 14 47	5 49 5 49 5 49 5 48 5 48	5 36 5 36 5 35 5 35 5 35
S 18 M19 T 20 W21 T 22 F 23 S 24	23 26 23 26	8 6 4 12 59 4 17 10 3 20 19 1 22 9 0	39 19 42	2 34 2 28 2 22 2 15 2 8	22 7	1 48 1 48 1 49 1 50 1 50 1 50 1 51	7 54 7 48 7 41 7 35 7 29 7 23 7 17	2 35 2 36 2 38 2 39 2 41 2 42 2 44	10 25 10 25 10 24 10 24 10 24	1 18 1 18 1 18 1 17 1 17 1 17 1 16	8 17 8 19 8 20 8 22 8 23 8 25 8 26	2 22 2 22 2 23 2 23 2 23 2 23 2 23 2 23	0 24 0 24 0 24 0 24 0 23 0 23 0 23	0 44	12 29 12 29 12 28	0 33 0 33 0 33 0 33 0 33 0 33	19 19 19 20 19 20 19 20 19 20	3 56 3 56 3 56 3 56 3 56	22 30 22 30 22 30 22 31 22 31	22 27 22 26 22 26 22 26 22 25 22 25 22 24	14 52 14 54 14 56 14 58 14 59	5 47 5 47 5 47 5 46 5 46 5 45 5 45	5 34 5 34 5 34 5 33 5 33 5 33 5 32
S 25 M26 T 27 W28 T 29 F 30 S 31	_	18 53 3 15 24 4 11 13 4 6 39 5 1 56 5	58 20 15 5 20 32 0 20 49 41 21 6 6 21 22 15 21 38 1 9 21 \$53	1 53 1 45 1 37 1 28 1 20 1 12	20 45 20 27 20 8 19 49 19 29 19 8	1 51 1 51 1 51 1 51 1 51 1 51 1 51 1 s50	7 11 7 6 7 1 6 56 6 51 6 46 6n41		10 25 10 25 10 25 10 26	1 16 1 16 1 15 1 15 1 15 1 14 1 14	8 28 8 29 8 30 8 31 8 33 8 34 8 s35	2 24 2 24 2 24 2 24 2 25 2 25 2 n25	0 23 0 22 0 22 0 21 0 21 0 21 0 s20	0 44 0 44 0 44 0 44 0 43	12 26 12 26 12 25	0 33 0 33 0 33 0 33 0 33 0 33	19 19 19 19 19 19 19 19	3 56 3 56 3 55 3 55 3 55 3 55	22 31 22 30 22 30 22 30 22 29 22 29	22 24 22 24 22 23 22 23 22 22 22 22	15 3 15 5 15 6 15 8 15 10	5 44 5 43 5 43 5 42 5 42 5 41 5 s40	5 32 5 31 5 31 5 31 5 30

Julian Day Number = 2455896.5, Delta T = 66.58 sec Ecliptic obliquity = $23^{\circ}26'13$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}54'24$, Lahiri = $24^{\circ}01'25$