

# Astrodienst Ephemeris Tables for the year 2111

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 2111 00:00 UT

Day	Sid.t	0	D	ğ	Ω	♂ <sup>1</sup>	24	ħ	)∤(	¥	В	R	Ω	Ç	ķ	Day
T 1	6 40 19	9 <b>ප</b> 54'51	12 mp 40	22×23	3≈22	2 <b>)</b> (47	27 m) 22	20≈ 2	3°R31	11 <b>≏</b> 20	13°R 2	16Ω39	18 <b>Ω</b> 13	9955	25≈31	T 1
F 2	6 44 16	10°55'59	25° 6	23°49	4°37	3°33	27°24	20° 8	3 <b>II</b> 30	11°20	138 1	16°40	18°10	10° 2	25°34	F 2
S 3	6 48 12	11°57'08	7₽51	25°16	5°52	4°19	27°26	20°14	3°28	11°21	13° 1	16°R41	18° 7	10° 8	25°38	S 3
S 4	6 52 9	12°58'17	21° 0	26°44	7° 6	5° 5	27°28	20°20	3°26	11°21	13° 0	16°41	18° 4	10°15	25°41	S 4
M 5	6 56 6	13°59'26	4MJ35	28°12 29°41	8°21	5°51	27°29	20°27	3°24	11°21 11°21	13° 0	16°39	18° 0	10°22	25°45 25°48	M 5
T 6 W 7	7 0 2 7 3 59	15° 0'36 16° 1'46	18°38 3 <b>×7</b> 8	29°41 1 <b>궁</b> 10	9°36 10°51	6°37 7°23	27°30 27°32	20°33 20°39	3°23 3°21	11°21 11°22	12°59 12°59	16°36 16°32	17°57 17°54	10°28 10°35	25°48 25°52	T 6 W 7
T 8	7 7 55	16° 1'46 17° 2'57	18° 2	2°40	10°51 12° 5	8° 9	27°32 27°33	20°39 20°46	3°19	11°22	12°59	16°32	17°54 17°51	10°33	25°55	W / T 8
F 9	7 11 52	17 237 18° 4'07	3 <b>중</b> 11	4°10	13°20	8°56	27°33	20°52	3°18	11°22	12°58	16°23	17°48	10°42	25°59	F 9
S 10	7 15 48	19° 5'18	18°27	5°41	13°20 14°35	9°42	27°34	20°59	3°16	11°22	12°58	16°20	17°45	10°55	25° 2	S 10
S 11	7 19 45	20° 6'28	3 <b>≈</b> 39	7°12	15°49	10°28	27°34	21° 5	3°15	11°22	12°57	16°18	17°41	11° 2	26° 6	S 11
M12	7 23 41	21° 7'38	18°38	8°43	17° 4	11°14	27°35	21°12	3°13	11°22	12°57	16°D18	17°38	11° 8	26°10	M12
T 13	7 27 38	22° 8'47	3 <b></b> ₩15	10°15	18°19	12° 0	27°R35	21°19	3°12	11°R22	12°57	16°18	17°35	11°15	26°13	T 13
W14	7 31 35	23° 9'56	17°26	11°48	19°33	12°46	27°34	21°25	3°10	11°22	12°57	16°20	17°32	11°22	26°17	W14
T 15	7 35 31	24°11'05	1 <b>Υ</b> 10	13°21	20°48	13°32	27°34	21°32	3° 9	11°22	12°56	16°21	17°29	11°28	26°21	T 15
F 16	7 39 28	25°12'12	14°27	14°54	22° 2	14°18	27°33	21°39	3° 8	11°22	12°56	16°23	17°25	11°35	26°25	F 16
S 17	7 43 24	26°13'19	27°20	16°28	23°17	15° 4	27°33	21°45	3° 6	11°22	12°56	16°R23	17°22	11°42	26°29	S 17
S 18	7 47 21	27°14'26	9 <b>8</b> 54	18° 2	24°31	15°50	27°32	21°52	3° 5	11°22	12°56	16°22	17°19	11°48	26°32	S 18
M19	7 51 17	28°15'32	22°10	19°37	25°46	16°36	27°31	21°59	3° 4	11°22	12°55	16°21	17°16	11°55	26°36	M19
T 20	7 55 14	29°16'37	4 <b>Ⅱ</b> 15	21°13	27° 0	17°22	27°29	22° 6	3° 3	11°21	12°55	16°19	17°13	12° 2	26°40	T 20
W21	7 59 10	0≈17'41	16°11	22°49	28°14	18° 8	27°28	22°13	3° 2	11°21	12°55	16°16	17°10	12° 8	26°44	W21
T 22	8 3 7	1°18'44	28° 2	24°25	29°29	18°54	27°26	22°20	3° 1	11°21	12°55	16°14	17° 6	12°15	26°48	T 22
F 23	8 7 4	2°19'47	9951	26° 2	0 <b>)</b> €43	19°40	27°24	22°27	3° 0	11°20	12°55	16°11	17° 3	12°22	26°52	F 23
S 24	8 11 0	3°20'49	21°41	27°39	1°57	20°25	27°22	22°34	2°59	11°20	12°55	16°10	17° 0	12°28	26°56	S 24
S 25	8 14 57	4°21'51	3 <b>Ω</b> 33	29°17	3°11	21°11	27°20	22°40	2°58	11°20	12°55	16° 8	16°57	12°35	27° 0	S 25
M26	8 18 53	5°22'51	15°30	0≈56	4°26	21°57	27°17	22°48	2°57	11°19	12°55	16°D 8	16°54	12°42	27° 4	M26
T 27	8 22 50	6°23'51	27°33	2°35	5°40	22°43	27°15	22°55	2°57	11°19	12°D55	16° 8	16°51	12°48	27° 8	T 27
W28	8 26 46	7°24'50	9 <b>m</b> /44	4°15	6°54	23°29	27°12	23° 2	2°56	11°18	12°55	16° 9	16°47	12°55	27°12	W28
T 29	8 30 43	8°25'48	22° 6	5°56	8° 8	24°14	27° 9	23° 9	2°55	11°18	12°55	16°10	16°44	13° 2	27°16	T 29
F 30	8 34 39	9°26'46	4 <b>≏</b> 41	7°37	9°22	25° 0	27° 5	23°16	2°55	11°17	12°55	16°11	16°41	13° 8	27°20	F 30
S 31	8 38 36	10≈27'43	17 <b>≏</b> 32	9≈19	10 <b>∺</b> 36	25 <b>)</b> (46	27 Mg 2	23≈23	2∏54	11 <b>≏</b> 17	12855	16 <b>Ω</b> 11	16 <b>Ω</b> 38	139915	27≈24	S 31

Day	0	D	ğ	·	ď	4	ħ	)Å(	并	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 dec	l decl	decl lat
T 1 F 2 S 3	23 s 3 22 58 22 53	4 56 3 15	23 0 0 1	4 20 s 57 1 s 36 6 20 40 1 37 9 20 22 1 37			15 50 1 8	20n43 0s 8 20 43 0 8 20 42 0 8	3 8 1 28	0 21 16 6	15n50 15n2 15 50 15 2 15 49 15 2	2 19 52	7s26 5n55 7 25 5 54 7 24 5 54
F 9	22 12	12 20 5 13 15 52 5 0 18 27 4 27 19 48 3 35	23 31 0s 23 39 0 1 23 46 0 2 23 51 0 2 23 56 0 3	6 19 45 1 38 3 19 25 1 39 1 19 6 1 39 8 18 45 1 40 4 18 24 1 40	10 33 0 58 10 15 0 57 9 57 0 57 9 39 0 56 9 21 0 55 9 3 0 54	2 9 1 17 2 9 1 17	15 44 1 8 15 42 1 8 15 40 1 8 15 38 1 8 15 36 1 8	20 42 0 8 20 41 0 8 20 41 0 8 20 41 0 8 20 41 0 8 20 40 0 8	3 8 1 28 3 8 1 28	0 21 16 5 0 22 16 5 0 22 16 5 0 22 16 4 0 22 16 4	15 50 15 2 15 50 15 2 15 51 15 2 15 52 15 2 15 54 15 2 15 55 15 2	5 19 53 6 19 53 7 19 53 8 19 53 9 19 54	7 23 5 54 7 23 5 53 7 22 5 53 7 21 5 53 7 20 5 53 7 19 5 52
S 11 M12 T 13 W14	21 55 21 46	18 12 1 9 15 26 0s13 11 44 1 32 7 28 2 43 2 57 3 43 1n34 4 28	24 2 0 5 24 1 1 23 59 1	7 17 41 1 40 4 17 18 1 40 0 16 55 1 40 6 16 32 1 40 1 16 8 1 40 7 15 44 1 40	8 45 0 53 8 27 0 52 8 8 0 51 7 50 0 50 7 32 0 49 7 13 0 49 6 55 0 48 6 36 0 47		15 32 1 8 15 29 1 8 15 27 1 8 15 25 1 8 15 23 1 8 15 21 1 8	20 40 0 8 20 39 0 8 20 39 0 8 20 39 0 8	3 8 1 29 3 8 1 29	0 23 16 3 0 23 16 3 0 23 16 3 0 23 16 2 0 24 16 2 0 24 16 2	15 56 15 3 15 55 15 3 15 55 15 3	1 19 54 2 19 54 3 19 54 4 19 54 5 19 55 6 19 55	7 18 5 52 7 17 5 52 7 16 5 52 7 15 5 51 7 14 5 51 7 12 5 51 7 11 5 50
S 18 M19 T 20 W21 T 22 F 23 S 24	20 42 20 30 20 17 20 4 19 51 19 38	9 48 5 14 13 14 5 14 16 3 5 1 18 10 4 34 19 29 3 56 19 56 3 8	23 39 1 2 23 30 1 3 23 20 1 3	7 14 54 1 39 2 14 28 1 38 6 14 2 1 38 0 13 36 1 37 4 13 9 1 37 8 12 42 1 36	6 17 0 46 5 59 0 45 5 40 0 44 5 21 0 43 5 3 0 42 4 44 0 42 4 25 0 41	2 12 1 20 2 13 1 20 2 14 1 20 2 14 1 21 2 15 1 21 2 16 1 21 2 18 1 21	15 17 1 8 15 14 1 8 15 12 1 8 15 10 1 8 15 8 1 8 15 6 1 8	20 38 0 8 20 38 0 8 20 38 0 8 20 38 0 8 20 37 0 7	3 8 1 29	0 24 16 1 0 25 16 1 0 25 16 0 0 25 16 0 0 25 16 0 0 26 15 59	15 55 15 3 15 56 15 3 15 56 15 4 15 57 15 4 15 58 15 4 15 58 15 4 15 59 15 4	8 19 55 9 19 55 0 19 55 1 19 55 2 19 55 3 19 56	7 10 5 50 7 9 5 50 7 8 5 50 7 7 5 50 7 5 5 49 7 4 5 49
S 25 M26 T 27 W28 T 29 F 30	19 9 18 55	18 13 1 9 16 7 0 4 13 18 1n 3 9 53 2 7 5 59 3 7 1 47 3 58	22 8 1 5 21 50 1 5 21 30 1 5 21 8 2 20 45 2	4 11 47 1 34 7 11 19 1 33 9 10 51 1 32 1 10 22 1 31 2 9 54 1 29 4 9 25 1 28	4 6 0 40 3 47 0 39 3 28 0 38 3 10 0 37 2 51 0 36 2 32 0 36 2 s13 0 s35	2 19 1 22 2 20 1 22 2 21 1 22 2 23 1 22 2 24 1 23 2 26 1 23	15 1 1 8 14 59 1 8 14 56 1 8 14 54 1 8 14 52 1 8 14 50 1 8	20 37 0 7 20 37 0 7 20 37 0 7 20 37 0 7 20 37 0 7	3 6 1 29 3 6 1 29 3 6 1 29 3 6 1 29 3 6 1 30 3 5 1 30	0 26 15 58 0 27 15 58 0 27 15 58 0 27 15 57 0 28 15 57 0 28 15 57	15 59 15 4 15 59 15 5 15n58 15n5	5 19 56 6 19 56 7 19 56 8 19 56 9 19 56 0 19 56	7 2 5 49 7 1 5 49 7 0 5 48 6 58 5 48 6 57 5 48 6 56 5 48

Julian Day Number = 2492086.5, Delta T = 98.52 sec Ecliptic obliquity =  $23^{\circ}25'22$ , Nutation = -  $0^{\circ}00'11$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}17'28$ , Lahiri =  $25^{\circ}24'29$ 

FEBRUARY 2111 00:00 UT

		1														
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	卉	Р	n	Ω	Ç	, k	Day
S 1	8 42 33	11≈28'40	0 <b>M</b> .41	11≈ 2	11 <b>米</b> 50	26 <b>)</b> 31	26°R58	23≈30	2°R54	11°R16	12 <b>8</b> 55	16 <b>Ω</b> 12	16 <b>Ω</b> 35	139522	27≈29	S 1
M 2	8 46 29	12°29'36	14°10	12°45	13° 4	27°17	26 Mp 55	23°37	2 <b>Ⅱ</b> 53	11 <b>≏</b> 15	12°55	16°R12	16°31	13°28	27°33	M 2
T 3	8 50 26	13°30'31	28° 0	14°29	14°18	28° 3	26°51	23°44	2°53	11°15	12°55	16°12	16°28	13°35	27°37	T 3
W 4	8 54 22	14°31'25	12 <b>×</b> 13	16°13	15°31	28°48	26°47	23°52	2°52	11°14	12°55	16°11	16°25	13°42	27°41	W 4
T 5	8 58 19	15°32'19	26°46	17°58	16°45	29°34	26°42	23°59	2°52	11°13	12°56	16°11	16°22	13°48	27°45	T 5
F 6	9 2 15	16°33'12	11 <b>る</b> 34	19°44	17°59	0 <b>Υ</b> 19	26°38	24° 6	2°52	11°12	12°56	16°D11	16°19	13°55	27°49	F 6
S 7	9 6 12	17°34'04	26°33	21°30	19°13	1° 5	26°33	24°13	2°52	11°12	12°56	16°11	16°16	14° 2	27°54	S 7
S 8	9 10 8	18°34'55	11 <b>≈</b> 33	23°17	20°26	1°50	26°29	24°20	2°51	11°11	12°56	16°R11	16°12	14° 8	27°58	S 8
M 9	9 14 5	19°35'45	26°27	25° 5	21°40	2°36	26°24	24°28	2°51	11°10	12°57	16°11	16° 9	14°15	28° 2	M 9
T 10	9 18 2	20°36'34	11 <b>米</b> 6	26°53	22°53	3°21	26°19	24°35	2°D51	11° 9	12°57	16°11	16° 6	14°22	28° 6	T 10
W11	9 21 58	21°37'21	25°24	28°41	24° 7	4° 7	26°13	24°42	2°51	11°8	12°57	16°11	16° 3	14°28	28°11	W11
T 12	9 25 55	22°38'06	9 <b>Υ</b> 18	0 <b>∺</b> 30	25°20	4°52	26° 8	24°49	2°51	11° 7	12°57	16°10	16° 0	14°35	28°15	T 12
F 13	9 29 51	23°38'51	22°44	2°19	26°34	5°37	26° 2	24°57	2°52	11° 6	12°58	16° 9	15°57	14°42	28°19	F 13
S 14	9 33 48	24°39'33	5 <b>8</b> 46	4° 8	27°47	6°22	25°57	25° 4	2°52	11° 5	12°58	16° 8	15°53	14°48	28°23	S 14
S 15	9 37 44	25°40'14	18°24	5°56	29° 0	7° 8	25°51	25°11	2°52	11° 4	12°59	16° 8	15°50	14°55	28°28	S 15
M16	9 41 41	26°40'54	0 <b>Ⅱ</b> 43	7°45	0 <b>Υ</b> 13	7°53	25°45	25°18	2°52	11° 3	12°59	16°D 8	15°47	15° 2	28°32	M16
T 17	9 45 37	27°41'31	12°48	9°32	1°27	8°38	25°39	25°26	2°53	11° 2	12°59	16° 8	15°44	15° 8	28°36	T 17
W18	9 49 34	28°42'07	24°42	11°19	2°40	9°23	25°33	25°33	2°53	11° 1	13° 0	16° 9	15°41	15°15	28°40	W18
T 19	9 53 31	29°42'42	6932	13° 5	3°53	10° 8	25°26	25°40	2°54	11° 0	13° 0	16°10	15°37	15°22	28°45	T 19
F 20	9 57 27	0 <b>)</b> €43'14	18°20	14°49	5° 5	10°53	25°20	25°47	2°54	10°59	13° 1	16°12	15°34	15°28	28°49	F 20
S 21	10 1 24	1°43'45	0 <b>Ω</b> 11	16°31	6°18	11°38	25°13	25°54	2°55	10°58	13° 1	16°13	15°31	15°35	28°53	S 21
S 22	10 5 20	2°44'15	12° 8	18°11	7°31	12°23	25° 7	26° 2	2°55	10°56	13° 2	16°R14	15°28	15°42	28°57	S 22
M23	10 9 17	3°44'42	24°13	19°47	8°44	13° 8	25° 0	26° 9	2°56	10°55	13° 3	16°13	15°25	15°48	29° 2	M23
T 24	10 13 13	4°45'08	6 <b>m</b> 29	21°20	9°56	13°53	24°53	26°16	2°57	10°54	13° 3	16°12	15°22	15°55	29° 6	T 24
W25	10 17 10	5°45'32	18°57	22°49	11° 9	14°38	24°46	26°23	2°57	10°53	13° 4	16°10	15°18	16° 2	29°10	W25
T 26	10 21 6	6°45'55	1 <b>≏</b> 38	24°13	12°21	15°23	24°39	26°30	2°58	10°51	13° 4	16° 7	15°15	16° 8	29°14	T 26
F 27	10 25 3	7°46'16	14°32	25°32	13°34	16° 7	24°32	26°38	2°59	10°50	13° 5	16° 4	15°12	16°15	29°19	F 27
S 28	10 28 59	8 <b>)</b> (46'36	27 <b>≏</b> 39	26 <b>)</b> 45	14 <b>Y</b> 46	16 <b>Y</b> 52	24 Mp 25	26≈45	3 <b>II</b> 0	10 <b>≏</b> 49	138 6	16 <b>Ω</b> 1	15 <b>Ω</b> 9	169522	29≈23	S 28

Day	0	D		ğ		φ		ď	7	2	ł	ħ		);	ł(	Ä	Ţ	Р	ß	v	Ç	Š	
	decl	decl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
S 1	17 s20	6 s 5 5	5n 6	19s27	2s 5	8 s26	1 s25	1 s54	0s34	2n29	1n23	14 s45	1 s 8	20n36	0s 7	3 s 5	1n30	0n29 15 s5	6 15n58	15n51	19n57	6 s 5 3	5n48
M 2	17 3	11 1 5	5 18	18 58	2 5	7 56	1 23	1 35	0 33	2 30	1 24	14 43	1 8	20 36	0 7	3 4	1 30	0 29 15 5	6 15 58	15 52	19 57	6 52	5 48
T 3	16 45	14 39	5 11	18 28	2 5	7 26	1 22	1 16	0 32	2 32	1 24	14 40	1 8	20 36	0 7	3 4	1 30	0 30 15 5	5 15 58	15 53	19 57	6 51	5 47
W 4	16 28	17 31	4 46	17 56	2 4	6 56	1 20	0 57	0 31	2 34	1 24	14 38	1 8	20 36	0 7	3 4	1 30	0 30 15 5	5 15 58	15 54	19 57	6 50	5 47
T 5	16 10	19 21 4	4 2	17 23	2 3	6 26	1 18	0 38	0 30	2 36	1 24	14 36	1 8	20 36	0 7	3 3	1 30	0 30 15 5	5 15 58	15 55	19 57	6 48	5 47
F 6	15 52	19 55	3 1	16 48	2 1	5 55	1 16	0 19	0 30	2 38	1 25		1 8	20 36	0 7	3 3	1 30	0 31 15 5				6 47	5 47
S 7	15 33	19 5	1 47	16 12	1 58	5 25	1 15	0 1	0 29	2 40	1 25	14 31	1 8	20 36	0 7	3 3	1 30	0 31 15 5	4 15 58	15 57	19 57	6 46	5 47
S 8	15 15	16 54 (	0 26	15 34	1 56	4 54	1 13	0n18	0 28	2 42	1 25	14 29	1 8	20 36	0 7	3 2	1 30	0 31 15 5	4 15 58	15 58	19 57	6 44	5 47
M 9	14 56	13 35 (	0s57	14 55	1 52	4 23	1 10	0 37	0 27	2 44	1 25	14 26	1 9	20 36	0 7	3 2	1 30	0 32 15 5	3 15 58	15 59	19 57	6 43	5 47
T 10	14 37	9 28 2	2 14	14 14	1 48	3 52	1 8	0 56	0 26	2 47	1 26	14 24	1 9	20 36	0 7	3 2	1 30	0 32 15 5	3 15 58	16 0	19 57	6 42	5 47
W11	14 17	4 54 3	3 21	13 33	1 44	3 21	1 6	1 15	0 25	2 49	1 26	14 21	1 9	20 36	0 7	3 1	1 30	0 33 15 5	3 15 59	16 1	19 57	6 40	5 47
T 12	13 58	0 13 4	4 14	12 50	1 39	2 50	1 4	1 33	0 25	2 51	1 26	14 19	1 9	20 36	0 7	3 1	1 30	0 33 15 5	2 15 59	16 2	19 57	6 39	5 46
F 13	13 38	4n19	4 52	12 5	1 33	2 18	1 2	1 52	0 24	2 54	1 26	14 17	1 9	20 36	0 7	3 0	1 30	0 34 15 5	2 15 59	16 3	19 57	6 38	5 46
S 14	13 18	8 31 3	5 12	11 20	1 27	1 47	0 59	2 11	0 23	2 56	1 26	14 14	1 9	20 36	0 7	3 0	1 30	0 34 15 5	2 15 59	16 4	19 57	6 36	5 46
S 15	12 57	12 12 5	5 17	10 34	1 20	1 16	0 57	2 29	0 22	2 58	1 27	14 12	1 9	20 36	0 7	2 59	1 30	0 34 15 5	1 15 59	16 5	19 57	6 35	5 46
M16	12 37	15 16	5 7	9 46	1 12	0 44	0 54	2 48	0 21	3 1	1 27	14 10	1 9	20 36	0 7	2 59	1 30	0 35 15 5	1 15 59	16 6	19 57	6 34	5 46
T 17	12 16	17 37	4 44	8 58	1 3	0 13	0 51	3 7	0 20	3 4	1 27	14 7	1 9	20 36	0 7	2 59	1 30	0 35 15 5	0 15 59	16 7	19 57	6 32	5 46
W18	11 55	19 11 4	4 9	8 9	0 54	0n19	0 49	3 25	0 20	3 6	1 27	14 5	1 9	20 36	0 7	2 58	1 30	0 36 15 5	0 15 59	16 8	19 57	6 31	5 46
T 19	11 34	19 53	3 23	7 20	0 45	0 50	0 46	3 43	0 19	3 9	1 27	14 2	1 9	20 36	0 7	2 58	1 31	0 36 15 5	0 15 59	16 8	19 57	6 29	5 46
F 20	11 13	19 43 2	2 29	6 30	0 34	1 22	0 43	4 2	0 18	3 12	1 28		1 9	20 37	0 7	2 57	1 31	0 37 15 4	9 15 58	16 9	19 57	6 28	5 46
S 21	10 51	18 40	1 28	5 40	0 23	1 53	0 40	4 20	0 17	3 14	1 28	13 58	1 9	20 37	0 7	2 57	1 31	0 37 15 4	9 15 58	16 10	19 57	6 26	5 46
S 22	10 29	16 47	0 23	4 51	0 11	2 24	0 38	4 38	0 16	3 17	1 28	13 55	1 9	20 37	0 7	2 56	1 31	0 38 15 4	9 15 58	16 11	19 57	6 25	5 46
M23	10 8	14 8 (	0n44	4 1	0n 1	2 56	0 35	4 57	0 15	3 20	1 28	13 53	1 9	20 37	0 7	2 56	1 31	0 38 15 4	9 15 58	16 12	19 57	6 24	5 46
T 24	9 46	10 49	1 50	3 13	0 14	3 27	0 32	5 15	0 15	3 23	1 28	13 51	1 10	20 37	0 7	2 55	1 31	0 39 15 4	8 15 58	16 13	19 57	6 22	5 46
W25	9 24	7 0 2	2 51	2 26	0 28	3 58	0 29	5 33	0 14	3 26	1 28	13 48	1 10	20 37	0 7	2 55	1 31	0 39 15 4	8 15 59	16 14	19 57	6 21	5 46
T 26	9 1	2 48 3	3 45	1 39	0 41	4 29	0 25	5 51	0 13	3 29	1 29			20 37		2 54	1 31	0 40 15 4	8 16 0	16 15	19 57	6 19	5 46
F 27	8 39	1 s36	4 29	0 55	0 56	5 0	0 22	6 9	0 12	3 32	1 29	13 43	1 10	20 38	0 7	2 54	1 31	0 40 15 4	7 16 1	16 16	19 57	6 18	5 46
S 28	8s16	5 s 5 9	4n59	0s13	1n10	5n31	0s19	6n27	0s12	3n35	1n29	13 s41	1 s 1 0	20n38	0s 7	2 s53	1n31	0n41 15 s4	7 16n 2	16n17	19n57	6s16	5n46

Julian Day Number = 2492117.5, Delta T = 98.56 sec

Ecliptic obliquity = 23°25'23, Nutation = -0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°17'33, Lahiri = 25°24'33

MARCH 2111 00:00 UT

Day	Sid.t	$\odot$	D	φ	φ	♂	24	ħ	)∤(	卉	Р	ß	Ω	Ç	ę,	Day
S 1	10 32 56	9 <b>) (</b> 46'54	11 <b>M</b> 0	27 <b>)</b> 51	15 <b>Y</b> 58	17 <b>Y</b> 37	24°R17	26≈52	3 <b>I</b> 1	10°R47	13 <b>8</b> 6	15°R58	15 <b>Q</b> 6	169528	29≈27	S 1
M 2	10 36 53	10°47'11	24°35	28°50	17°10	18°22	24 Mp 10	26°59	3° 2	10 <b>≏</b> 46	13° 7	15 <b>Ω</b> 56	15° 2	16°35	29°31	M 2
T 3	10 40 49	11°47'26	8 <b>₹</b> 23	29°42	18°22	19° 6	24° 2	27° 6	3° 3	10°45	13° 8	15°D55	14°59	16°42	29°35	T 3
W 4	10 44 46	12°47'40	22°25	o <b>Υ</b> 24	19°34	19°51	23°55	27°13	3° 4	10°43	13° 9	15°55	14°56	16°48	29°40	W 4
T 5	10 48 42	13°47'53	6 <b>ප</b> 39	0°59	20°46	20°35	23°47	27°20	3° 5	10°42	13° 9	15°56	14°53	16°55	29°44	T 5
F 6	10 52 39	14°48'04	21° 4	1°24	21°58	21°20	23°40	27°27	3° 6	10°40	13°10	15°58	14°50	17° 2	29°48	F 6
S 7	10 56 35	15°48'14	5≈36	1°40	23°10	22° 4	23°32	27°34	3° 8	10°39	13°11	15°59	14°47	17° 8	29°52	S 7
S 8	11 0 32	16°48'21	20°11	1°R46	24°21	22°49	23°24	27°41	3° 9	10°37	13°12	15°R59	14°43	17°15	29°56	S 8
M 9	11 4 28	17°48'28	4 <b>) (</b> 43	1°44	25°33	23°33	23°17	27°48	3°10	10°36	13°12	15°58	14°40	17°22	0 <b>∺</b> 0	M 9
T 10	11 8 25	18°48'32	19° 7	1°32	26°44	24°17	23° 9	27°55	3°12	10°34	13°13	15°55	14°37	17°28	0° 4	T 10
W11	11 12 22	19°48'34	<b>3Υ</b> 16	1°12	27°56	25° 2	23° 1	28° 2	3°13	10°33	13°14	15°50	14°34	17°35	0° 8	W11
T 12	11 16 18	20°48'35	17° 7	0°43	29° 7	25°46	22°53	28° 9	3°15	10°31	13°15	15°45	14°31	17°42	0°12	T 12
F 13	11 20 15	21°48'33	0 <b>8</b> 35	0° 7	0818	26°30	22°45	28°16	3°16	10°30	13°16	15°39	14°28	17°48	0°16	F 13
S 14	11 24 11	22°48'29	13°40	29 <b>米</b> 25	1°29	27°14	22°38	28°23	3°18	10°28	13°17	15°33	14°24	17°55	0°20	S 14
S 15	11 28 8	23°48'24	26°22	28°37	2°40	27°58	22°30	28°30	3°20	10°27	13°18	15°28	14°21	18° 2	0°24	S 15
M16	11 32 4	24°48'16	8∏44	27°45	3°51	28°42	22°22	28°36	3°21	10°25	13°19	15°25	14°18	18° 8	0°28	M16
T 17	11 36 1	25°48'06	20°51	26°50	5° 2	29°26	22°14	28°43	3°23	10°24	13°20	15°D24	14°15	18°15	0°32	T 17
W18	11 39 57	26°47'53	29547	25°54	6°12	0810	22° 6	28°50	3°25	10°22	13°21	15°24	14°12	18°22	0°36	W18
T 19	11 43 54	27°47'39	14°36	24°57	7°23	0°54	21°59	28°57	3°27	10°20	13°22	15°25	14° 8	18°28	0°40	T 19
F 20	11 47 51	28°47'22	26°25	24° 0	8°33	1°38	21°51	29° 3	3°29	10°19	13°23	15°27	14° 5	18°35	0°44	F 20
S 21	11 51 47	29°47'03	8 <b>Ω</b> 17	23° 6	9°43	2°22	21°43	29°10	3°31	10°17	13°24	15°28	14° 2	18°42	0°48	S 21
S 22	11 55 44	0 <b>Υ</b> 46'42	20°19	22°14	10°53	3° 6	21°36	29°16	3°33	10°16	13°25	15°R28	13°59	18°48	0°52	S 22
M23	11 59 40	1°46'18	2 Mp 32	21°26	12° 3	3°49	21°28	29°23	3°35	10°14	13°26	15°26	13°56	18°55	0°55	M23
T 24	12 3 37	2°45'53	15° 1	20°43	13°13	4°33	21°20	29°29	3°37	10°12	13°27	15°23	13°53	19° 2	0°59	T 24
W25	12 7 33	3°45'25	27°46	20° 5	14°23	5°17	21°13	29°36	3°39	10°11	13°28	15°17	13°49	19° 8	1° 3	W25
T 26	12 11 30	4°44'55	10 <b>≏</b> 49	19°32	15°32	6° 0	21° 5	29°42	3°41	10° 9	13°29	15° 9	13°46	19°15	1° 7	T 26
F 27	12 15 26	5°44'23	24° 7	19° 5	16°42	6°44	20°58	29°49	3°43	10° 7	13°30	15° 0	13°43	19°22	1°10	F 27
S 28	12 19 23	6°43'50	7 <b>M</b> 39	18°44	17°51	7°27	20°51	29°55	3°45	10° 6	13°31	14°51	13°40	19°28	1°14	S 28
S 29	12 23 19	7°43'14	21°23	18°29	19° 0	8°11	20°43	0 <b>∺</b> 1	3°48	10° 4	13°32	14°43	13°37	19°35	1°18	S 29
M30	12 27 16	8°42'37	5 <b>₹</b> 15	18°20	20° 9	8°54	20°36	0° 7	3°50	10° 2	13°34	14°37	13°34	19°42	1°21	M30
T 31	12 31 13	9 <b>°</b> 41'58	19 <b>×</b> 15	18°D17	21818	9 <b>8</b> 38	20 <b>m</b> 29	0 <b>∺</b> 14	3 <b>Ⅱ</b> 52	10☎ 1	13 <b>8</b> 35	14 <b>Q</b> 33	13 <b>Q</b> 30	199548	1 <b>∺</b> 25	T 31

Day	0	D	ğ	·	ď	4	ħ	)Å(	卉	Р	v 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		10s 9 5n13 13 52 5 11	0n27 1n25 1 4 1 39		5n45 0s11 2 0 10	3n38 1n29 3 41 1 29		20n38 0s 7 20 38 0 7	2 s52 1 n31 2 52 1 31	0n41 15 s47 0 41 15 46	16n 3 16n18		6s15 5n46 6 14 5 46
T 3 W 4		16 54 4 51 19 0 4 13	1 37 1 54 2 7 2 8			3 44 1 29 3 47 1 29		20 38 0 7 20 39 0 7	2 51 1 31 2 51 1 31	0 42 15 46 0 42 15 46			6 12 5 46 6 11 5 46
T 5 F 6		19 56 3 19 19 35 2 13	2 34 2 22 2 56 2 35		7 55 0 8 3 12 0 7	3 50 1 29 3 53 1 30		20 39 0 7 20 39 0 7	2 50 1 31 2 50 1 31	0 43 15 45 0 43 15 45			6 9 5 46 6 8 5 46
S 7		17 57 0 57	3 13 2 48		3 30 0 6	3 56 1 30		20 39 0 7	2 49 1 31	0 44 15 45	16 2 16 23	19 57	6 6 5 46
S 8 M 9	-	15 7 0s23 11 20 1 41	3 26 2 59 3 35 3 9	0 10 3 0 12	3 47 0 5 0 4 0 5		-	20 40 0 7	2 .0 1 31	0 44 15 45 0 45 15 44	16 2 16 25	19 57	6 5 5 46 6 3 5 46
T 10 W11	4 25 4 2	6 56 2 51 2 13 3 50	3 38 3 18 3 37 3 25		0 21 0 4	4 6 1 30 4 9 1 30			2 47 1 31 2 46 1 31	0 46 15 44 0 46 15 44			6 2 5 46 6 0 5 46
T 12 F 13	3 38 3 15	2n30 4 34 6 58 5 1	3 31 3 31 3 20 3 35		0 55 0 2 0 11 0 2				2 46 1 31 2 45 1 31	0 47 15 43 0 47 15 43			5 59 5 46 5 57 5 47
S 14 S 15		10 59 5 11 14 22 5 6	3 5 3 37 2 46 3 37			4 18 1 30 4 21 1 30		20 42 0 7	2 45 1 31 2 44 1 31		16 10 16 30 16 11 16 31		5 56 5 47 5 54 5 47
M16 T 17	2 4	17 2 4 46 18 53 4 14	2 24 3 35 1 58 3 31	5 13 23 0 37 1		4 24 1 30 4 28 1 30	13 4 1 11	20 42 0 7	2 43 1 31 2 43 1 31	0 49 15 42	16 12 16 32 16 13 16 33	19 57	5 53 5 47 5 52 5 47
W18 T 19	1 16	19 52 3 31 19 59 2 40	1 30 3 25	5 14 17 0 45 1	33 0 2		13 0 1 12	20 43 0 7	2 42 1 31 2 41 1 31	0 50 15 42	16 13 16 34 16 12 16 35	19 56	5 50 5 47
F 20 S 21	0 29	19 12 1 42 17 33 0 39	0 29 3 8 0s 2 2 57	3 15 10 0 52 13	2 5 0 3	4 37 1 30 4 40 1 30	12 55 1 12	20 44 0 7 20 44 0 7	2 41 1 31 2 40 1 31	0 51 15 41	16 12 16 35 16 11 16 36	19 56	5 47 5 47
S 22		15 7 0n26	0 34 2 44			4 43 1 30		20 44 0 7	2 39 1 31		16 11 16 37		-
M23 T 24	1 6	11 59 1 31 8 15 2 33	1 5 2 31 1 35 2 17	7 16 52 1 8 1	8 0 6	4 49 1 30	12 46 1 12	20 45 0 7	2 39 1 31 2 38 1 31	0 53 15 40	16 12 16 38 16 13 16 39	19 56	5 41 5 48
W25 T 26	1 30 1 53	4 4 3 28 0s23 4 14		7 17 41 1 15 1	3 23 0 7 3 38 0 8		12 42 1 13	20 46 0 7 20 46 0 7	2 38 1 31 2 37 1 32	0 54 15 40	16 15 16 40 16 17 16 41	19 55	5 39 5 48
F 27 S 28	2 17 2 40	4 54 4 47 9 15 5 4	2 55 1 32 3 17 1 16		5 53 0 8 1 8 0 9			20 46 0 7 20 47 0 7	2 36 1 32 2 36 1 32		16 19 16 42 16 22 16 43		5 37 5 48 5 36 5 48
S 29 M30		13 12 5 4 16 27 4 47						20 47 0 7 20 48 0 6			16 24 16 44 16 26 16 45		
T 31		18 s 48 4 n 12						20n48 0s 6			16n27 16n45		5 s 3 2 5 n 4 9

Julian Day Number = 2492145.5, Delta T = 98.60 sec Ecliptic obliquity =  $23^{\circ}25'23$ , Nutation = -  $0^{\circ}00'12$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}17'36$ , Lahiri =  $25^{\circ}24'37$ 

APRIL 2111 00:00 UT

		_													••••	
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	¥	В	n	v	Ç	ķ	Day
W 1	12 35 9	10 <b>Υ</b> 41'17	3 <b>ට</b> 18	18 <b>米</b> 19	22 <b>8</b> 27	10821	20°R22	0 <b>∺</b> 20	3 <b>II</b> 55	9°R59	13 <b>8</b> 36	14°R31	13 <b>Ω</b> 27	19955	1 <b>)</b> 28	W 1
T 2	12 39 6	11°40'35	17°25	18°27	23°35	11° 4	20 <b>m</b> 15	0°26	3°57	9 <b>≙</b> 58	13°37	14°D31	13°24	20° 1	1°32	T 2
F 3	12 43 2	12°39'50	1≈34	18°40	24°43	11°47	20° 9	0°32	3°59	9°56	13°38	14 <b>£</b> 32	13°21	20° 8	1°35	F 3
S 4	12 46 59	13°39'04	15°44	18°59	25°52	12°31	20° 2	0°38	4° 2	9°54	13°39	14°R32	13°18	20°15	1°39	S 4
S 5	12 50 55	14°38'16	29°52	19°22	27° 0	13°14	19°55	0°44	4° 4	9°53	13°41	14°31	13°14	20°21	1°42	S 5
M 6	12 54 52	15°37'27	13 <b>∺</b> 58	19°50	28° 8	13°57	19°49	0°49	4° 7	9°51	13°42	14°28	13°11	20°28	1°45	M 6
T 7	12 58 48	16°36'35	27°56	20°22	29°15	14°40	19°43	0°55	4°10	9°49	13°43	14°22	13° 8	20°35	1°49	T 7
W 8	13 2 45	17°35'42	11 <b>Y</b> 44	20°59	0 <b>Ⅱ</b> 23	15°23	19°36	1° 1	4°12	9°48	13°44	14°13	13° 5	20°41	1°52	W 8
T 9	13 6 42	18°34'46	25°18	21°39	1°30	16° 6	19°30	1° 7	4°15	9°46	13°45	14° 3	13° 2	20°48	1°55	T 9
F 10	13 10 38	19°33'48	8 <b>8</b> 36	22°23	2°37	16°49	19°24	1°12	4°18	9°44	13°47	13°52	12°59	20°55	1°58	F 10
S 11	13 14 35	20°32'49	21°34	23°10	3°44	17°32	19°18	1°18	4°20	9°43	13°48	13°40	12°55	21° 1	2° 1	S 11
S 12	13 18 31	21°31'47	4 <b>Ⅱ</b> 13	24° 1	4°51	18°14	19°13	1°23	4°23	9°41	13°49	13°31	12°52	21° 8	2° 4	S 12
M13	13 22 28	22°30'43	16°35	24°55	5°58	18°57	19° 7	1°29	4°26	9°39	13°51	13°23	12°49	21°15	2° 8	M13
T 14	13 26 24	23°29'37	28°41	25°52	7° 4	19°40	19° 2	1°34	4°29	9°38	13°52	13°18	12°46	21°21	2°11	T 14
W15	13 30 21	24°28'28	10937	26°52	8°10	20°23	18°56	1°40	4°32	9°36	13°53	13°15	12°43	21°28	2°13	W15
T 16	13 34 17	25°27'18	22°27	27°55	9°16	21° 5	18°51	1°45	4°34	9°35	13°54	13°D14	12°39	21°35	2°16	T 16
F 17	13 38 14	26°26'05	4 <b>Ω</b> 15	29° 0	10°22	21°48	18°46	1°50	4°37	9°33	13°56	13°14	12°36	21°41	2°19	F 17
S 18	13 42 11	27°24'50	16° 9	0Υ 8	11°27	22°30	18°42	1°55	4°40	9°32	13°57	13°R14	12°33	21°48	2°22	S 18
S 19	13 46 7	28°23'32	28°12	1°18	12°33	23°13	18°37	2° 0	4°43	9°30	13°58	13°13	12°30	21°55	2°25	S 19
M20	13 50 4	29°22'13	10 <b>m</b> /31	2°30	13°38	23°55	18°32	2° 5	4°46	9°29	14° 0	13°10	12°27	22° 1	2°28	M20
T 21	13 54 0	0820'51	23° 8	3°45	14°42	24°38	18°28	2°10	4°49	9°27	14° 1	13° 5	12°24	22° 8	2°30	T 21
W22	13 57 57	1°19'27	6 <b>₽</b> 6	5° 2	15°47	25°20	18°24	2°15	4°52	9°25	14° 2	12°57	12°20	22°15	2°33	W22
T 23	14 1 53	2°18'01	19°26	6°21	16°51	26° 2	18°20	2°20	4°55	9°24	14° 4	12°47	12°17	22°21	2°36	T 23
F 24	14 5 50	3°16'33	3M 6	7°42	17°55	26°45	18°16	2°25	4°58	9°22	14° 5	12°35	12°14	22°28	2°38	F 24
S 25	14 9 46	4°15'03	17° 4	9° 5	18°59	27°27	18°12	2°29	5° 2	9°21	14° 6	12°23	12°11	22°35	2°41	S 25
S 26	14 13 43	5°13'31	1 <b>₹</b> 15	10°30	20° 2	28° 9	18° 9	2°34	5° 5	9°20	14° 8	12°12	12° 8	22°41	2°43	S 26
M27	14 17 40	6°11'58	15°33	11°57	21° 5	28°51	18° 5	2°38	5° 8	9°18	14° 9	12° 3	12° 5	22°48	2°46	M27
T 28	14 21 36	7°10'23	29°54	13°26	22° 8	29°33	18° 2	2°43	5°11	9°17	14°10	11°57	12° 1	22°55	2°48	T 28
W29	14 25 33	8° 8'46	14 <b>궁</b> 12	14°56	23°11	0 <b>Ⅱ</b> 15	17°59	2°47	5°14	9°15	14°12	11°53	11°58	23° 1	2°50	W29
T 30	14 29 29	9 <b>8</b> 7'08	28 <b>궁</b> 25	16 <b>Y</b> 29	24 <b>I</b> I13	0 <b>耳</b> 57	17 <b>m</b> 56	2 <b>)</b> 51	5 <b>Ⅱ</b> 18	9 <b>₽</b> 14	14813	$11\Omega52$	$11\Omega55$	2395 8	2 <b>)</b> 52	T 30

Day	0	D		ğ		φ		С	7	2	+	ħ	l.	);	<del>β</del> (	Ä	7	Р		n	ß	Ç	Ł	<b>'</b>
	decl	decl lat	d	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	lat	decl	decl	decl	decl	lat
W 1 T 2	4n14 4 37			l s22	-	19n56 20 17		15n 6 15 20	0n12 0 12	5n11 5 14	1n30 1 30			20n49 20 49		2 s33 2 32	1n32 1 32					19n55 19 54	5 s 3 0 5 2 9	5n49 5 49
F 3	5 0	18 41 1		40	-	20 38		15 34	0 13	5 17	1 30		1 14	20 50	0 6	2 32	1 32					19 54	5 27	5 49
S 4	5 23	16 13 0	s 6 4	45	0 25	20 58	1 48	15 48	0 14	5 19	1 30	12 24	1 14	20 50	0 6	2 31	1 32	0 58	15 38	16 28	16 49	19 54	5 26	5 50
S 5 M 6	5 46 6 9	-		47 47		21 17 21 36	1 52 1 56	16 2 16 15	0 14 0 15	5 22 5 24	1 30 1 29		1 14 1 14	20 51 20 51	0 6 0 6	2 30 2 30	1 32 1 32					19 54 19 54	5 25 5 23	5 50 5 50
T 7	6 31			45		21 55		16 29	0 16	5 27	1 29	-	1 14		-	2 29	1 32			-		19 54	5 22	5 50
W 8	6 54	-	-	41		22 13		16 42	0 16	5 29	1 29		1 14			2 28	1 32					19 53	5 21	5 50
T 9 F 10	7 17 7 39			34		22 30		16 55 17 8	0 17 0 18	5 31	1 29 1 29		1 15	20 53 20 53			1 32 1 32					19 53 19 53	5 19 5 18	5 51 5 51
S 11	8 1	9 35 5 13 18 5		1 26	1 41	22 47 23 3		17 8 17 20	0 18	5 33 5 36	-			20 53	-		1 32					19 53	5 17	
S 12			44 4	-		23 19		17 33		5 38	1 29	-		20 54	-	-	1 32					19 53	5 15	
M13 T 14	8 45 9 7		14 3 34 3	3 49		23 34 23 49		17 45 17 58	0 19 0 20	5 40 5 42	1 29 1 29	12 7 12 5	1 15 1 15		-	2 25 2 25	1 32 1 32					19 52 19 52	5 14 5 13	
W15	9 29		-	15		24 3		18 10	0 21	5 44	1 28	12 3		20 56		2 24	1 32					19 52	5 12	
T 16	9 50		48 2	2 56	2 17		2 29	18 22	0 21	5 46	1 28	12 1	1 16	20 56	0 6	2 23	1 32			16 50		19 52	5 10	5 52
F 17				35		24 29		18 33	0 22	5 47	1 28	12 0	1 16		0 6	2 23	1 32			16 50		19 52	5 9	5 52
S 18				12		24 42		18 45	0 23	5 49	1 28			20 57		2 22	1 32			16 50		19 51	5 8	5 53
S 19 M20	10 54 11 15			48		24 53 25 4		18 56 19 7	0 23 0 24	5 51 5 53	1 28 1 28		1 16 1 16	20 58 20 58	-	2 22 21	1 32 1 32			16 50 16 51		19 51 19 51	5 7 5 6	5 53 5 53
T 21	11 35			56		25 15		19 18	0 24	5 54	1 28		1 16				1 32	-		16 53		19 51	5 4	5 53
W22	11 56	1 17 4	2 0	28	2 41	25 25	2 46	19 29	0 25	5 56	1 27	11 52	1 17	21 0	0 6	2 20	1 31	1 7	15 36	16 55	17 5	19 50	5 3	5 54
T 23	12 16			n 2		25 34		19 40	0 25	5 57	1 27		1 17	-		-	1 31			16 58				
F 24 S 25	12 36 12 56		57 0	33	2 44 2 45	25 43	2 51 2 53	19 50	0 26 0 27	5 58 6 0	1 27 1 27		1 17 1 17		0 6	2 19 2 18	1 31 1 31		15 35 15 35		17 7 17 8	-, -,	5 1 5 0	5 54 5 54
S 26 M27			-	37		25 58 26 5	2 56	20 11 20 20	0 27 0 28	6 1 6 2	1 27 1 27	-	1 17 1 18		-	-	1 31 1 31	-				19 49 19 49	4 59 4 57	5 55 5 55
T 28	13 54			2 47	-	26 5 26 11		20 20 20 20 30	0 28	6 2 6 3	1 27		1 18				1 31	-				19 49	4 56	
W29				3 23		26 17		20 40	0 29	6 4	1 26		1 18		0 6		1 31					19 49	4 55	
T 30	14n32	19s19 1r	n11 4	ln 1	2 s40	26n21	3n 4	20n49	0n29	6n 5	1n26	11 s40	1 s 1 8	21n 4	0s 6	2s15	1n31	1n11	15 s35	17n13	17n12	19n48	4 s 5 4	5n56

 $\label{eq:Julian Day Number = 2492176.5, Delta T = 98.64 sec} \\ Ecliptic obliquity = 23°25'23, Nutation = -0°00'13, out-of-bounds declination in red \\ Ayanamsha: Fagan/Bradley = 26°17'41, Lahiri = 25°24'41 \\$ 

MAY 2111 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	r	v	Ç	ķ	Day
F 1	14 33 26	10 <b>8</b> 5'29	12≈31	18 <b>°</b> 3	25 <b>I</b> I15	1Д39	17°R54	2 <b>)</b> 56	5 <b>Ⅱ</b> 21	9°R13	14814	11°R52	11 <b>Ω</b> 52	239914	2 <b>)</b> 55	F 1
S 2	14 37 22	11° 3'47	26°30	19°40	26°16	2°21	17 <b>m</b> 51	3° 0	5°24	9 <b>≏</b> 11	14°16	11 <b>0</b> 51	11°49	23°21	2°57	S 2
S 3	14 41 19	12° 2'05	10 <b>¥</b> 21	21°18	27°18	3° 3	17°49	3° 4	5°27	9°10	14°17	11°50	11°45	23°28	2°59	S 3
M 4	14 45 15	13° 0'20	24° 4	22°58	28°18	3°45	17°47	3° 8	5°31	9° 8	14°19	11°46	11°42	23°34	3° 1	M 4
T 5	14 49 12	13°58'34	7 <b>Y</b> 37	24°40	29°19	4°26	17°45	3°12	5°34	9° 7	14°20	11°38	11°39	23°41	3° 3	T 5
W 6	14 53 9	14°56'47	21° 1	26°23	09519	5° 8	17°43	3°15	5°37	9° 6	14°21	11°29	11°36	23°48	3° 5	W 6
T 7	14 57 5	15°54'58	4812	28° 9	1°19	5°50	17°42	3°19	5°41	9° 5	14°23	11°17	11°33	23°54	3° 7	T 7
F 8	15 1 2	16°53'08	17°10	29°56	2°18	6°32	17°40	3°23	5°44	9° 3	14°24	11° 4	11°30	24° 1	3° 9	F 8
S 9	15 4 58	17°51'15	29°54	1845	3°17	7°13	17°39	3°26	5°47	9° 2	14°25	10°51	11°26	24° 8	3°10	S 9
S 10	15 8 55	18°49'21	12 <b>Ⅲ</b> 23	3°36	4°16	7°55	17°38	3°30	5°51	9° 1	14°27	10°39	11°23	24°14	3°12	S 10
M11	15 12 51	19°47'26	24°38	5°29	5°14	8°36	17°37	3°33	5°54	9° 0	14°28	10°30	11°20	24°21	3°14	M11
T 12	15 16 48	20°45'28	69340	7°24	6°12	9°18	17°37	3°36	5°58	8°59	14°29	10°23	11°17	24°28	3°15	T 12
W13	15 20 44	21°43'29	18°34	9°20	7° 9	9°59	17°36	3°40	6° 1	8°58	14°31	10°19	11°14	24°34	3°17	W13
T 14	15 24 41	22°41'28	0 <b>Ω</b> 22	11°18	8° 5	10°40	17°36	3°43	6° 4	8°56	14°32	10°17	11°11	24°41	3°18	T 14
F 15	15 28 38	23°39'25	12°10	13°19	9° 2	11°22	17°D36	3°46	6° 8	8°55	14°33	10°D17	11° 7	24°48	3°20	F 15
S 16	15 32 34	24°37'21	24° 3	15°20	9°57	12° 3	17°36	3°49	6°11	8°54	14°35	10°R17	11° 4	24°54	3°21	S 16
S 17	15 36 31	25°35'14	6M) 6	17°24	10°52	12°44	17°36	3°51	6°15	8°53	14°36	10°16	11° 1	25° 1	3°23	S 17
M18	15 40 27	26°33'06	18°25	19°29	11°47	13°26	17°37	3°54	6°18	8°52	14°38	10°14	10°58	25° 8	3°24	M18
T 19	15 44 24	27°30'56	1 <b>≏</b> 4	21°35	12°41	14° 7	17°37	3°57	6°22	8°51	14°39	10°10	10°55	25°14	3°25	T 19
W20	15 48 20	28°28'44	14° 8	23°43	13°35	14°48	17°38	3°59	6°25	8°50	14°40	10° 4	10°51	25°21	3°26	W20
T 21	15 52 17	29°26'31	27°37	25°52	14°27	15°29	17°39	4° 2	6°29	8°49	14°41	9°55	10°48	25°27	3°27	T 21
F 22	15 56 13	0Д24'16	11MJ32	28° 2	15°19	16°10	17°41	4° 4	6°32	8°49	14°43	9°45	10°45	25°34	3°28	F 22
S 23	16 0 10	1°22'00	25°48	0 <b>П</b> 13	16°11	16°51	17°42	4° 7	6°36	8°48	14°44	9°34	10°42	25°41	3°29	S 23
S 24	16 4 7	2°19'42	10 <b>₹</b> 22	2°24	17° 2	17°32	17°43	4° 9	6°39	8°47	14°45	9°24	10°39	25°47	3°30	S 24
M25	16 8 3	3°17'23	2 <u>5</u> ° 5	4°36	17°52	18°13	17°45	4°11	6°43	8°46	14°47	9°17	10°36	25°54	3°31	M25
T 26	16 12 0	4°15'03	9 <b>ට</b> 50	6°48	18°41	18°54	17°47	4°13	6°46	8°45	14°48	9°11	10°32	26° 1	3°32	T 26
W27	16 15 56	5°12'42	24°30	8°59	19°30	19°35	17°49	4°15	6°50	8°45	14°49	9° 8	10°29	26° 7	3°32	W27
T 28	16 19 53	6°10'20	8 <b>≈</b> 59	11°10	20°18	20°15	17°51	4°17	6°53	8°44	14°51	9°D 8	10°26	26°14	3°33	T 28
F 29	16 23 49	7° 7'57	23°15	13°20	21° 5	20°56	17°54	4°18	6°57	8°43	14°52	9° 8	10°23	26°21	3°34	F 29
S 30	16 27 46	8° 5'32	7 <b>₩</b> 15	15°29	21°51	21°37	17°56	4°20	7° 0	8°42	14°53	9°R 8	10°20	26°27	3°34	S 30
S 31	16 31 42	9 <b>Ⅱ</b> 3'07	21 <b>米</b> 0	17 <b>II</b> 37	22936	22 <b>II</b> 18	17 <b>m</b> 59	4 <b>∺</b> 22	7 <b>I</b> I 4	8 <b>≏</b> 42	14854	9Ω 8	10 <b>Ω</b> 17	26934	3 <b>)</b> €35	S 31

Day	0	D	ğ	9	ď	4	ħ	)Å(	卉	Р	n s	β ţ	ķ
	decl	decl lat	decl lat	decl lat	lecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl d	ecl decl	decl lat
F 1 S 2	14n50 15 8	17s 6 0s 4 13 52 1 17		338 26n26 3n 6 20 35 26 30 3 7 21	n58 0n30 7 0 30		5 11 s38 1 s18 5 11 37 1 18	21n 5 0s 6 21 5 0 6	2s15 1n31 2 14 1 31	1n11 15 s35 1 11 15 35			4s53 5n56 4 52 5 56
S 3 M 4 T 5 W 6 T 7 F 8	15 26 15 44 16 1 16 19 16 35	9 55 2 25 5 28 3 23 0 48 4 10 3n50 4 42 8 14 4 58	6 39 2 2 7 20 2 2 8 3 2 8 45 2	22 26 37 3 12 21 17 26 38 3 13 21 12 26 39 3 14 21	24 0 32 32 0 32 41 0 33 48 0 33	6 9 1 25 6 9 1 25 6 9 1 25	5 11 35 1 19 5 11 33 1 19 5 11 32 1 19 5 11 31 1 19	21 7 0 6 21 7 0 6 21 8 0 6 21 8 0 6	2 13 1 31 2 13 1 31 2 12 1 31 2 12 1 31	1 12 15 35 1 12 15 35 1 13 15 35 1 13 15 35 1 13 15 35	17 15 17 17 17 17 17 20 17 17 23 17	16 19 47 17 19 47 18 19 47 18 19 46	4 51 5 57 4 50 5 57 4 49 5 57 4 48 5 58 4 47 5 58
F 8 S 9 S 10	16 52 17 8 17 25	15 29 4 44	10 13 1	5 26 39 3 15 21 59 26 39 3 16 22 52 26 38 3 17 22	4 0 34		11 29 1 20			1 14 15 35 1 14 15 35 1 15 15 35	17 30 17	20 19 46	
M11 T 12 W13 T 14	18 11 18 26	20 27 2 48 20 17 1 53 19 12 0 52	12 27 1 1 13 12 1 1 13 58 1	44 26 36 3 17 22 36 26 34 3 18 22 28 26 31 3 18 22 19 26 28 3 18 22	25 0 36 32 0 36 38 0 37	6 10 1 24 6 10 1 23 6 10 1 23	1 11 26 1 20 3 11 25 1 21 3 11 24 1 21	21 11 0 6 21 12 0 6 21 13 0 6	2 9 1 31	1 15 15 35 1 15 15 35 1 16 15 35 1 16 15 35	17 38 17 17 39 17 17 39 17	23 19 45 24 19 44 25 19 44	4 44 5 59 4 43 5 59 4 42 6 0 4 41 6 0
F 15 S 16 S 17	18 55	14 38 1 13	15 28 1	10 26 25 3 18 22 0 26 20 3 18 22	51 0 38		11 22 1 21		2 8 1 31	1 16 15 35 1 17 15 35	17 39 17	26 19 43	4 40 6 0 4 40 6 1
M18 T 19 W20 T 21 F 22 S 23	19 9 19 22 19 36 19 48 20 1 20 13 20 25	7 28 3 8 3 11 3 56 1 s23 4 33 6 1 4 56 10 29 5 3	16 56 0 4 17 40 0 1 18 22 0 1 19 4 0 19 44 0n	51 26 16 3 18 22 40 26 10 3 17 23 30 26 5 3 16 23 20 25 58 3 15 23 9 25 52 3 14 23 11 25 45 3 13 23 12 25 37 3 12 23	2 0 39 7 0 39 13 0 40 18 0 40 23 0 40	6 9 1 22 6 9 1 22 6 8 1 22 6 8 1 22	2 11 20 1 22 11 19 1 22 11 19 1 22 11 18 1 22 11 17 1 22		2 7 1 31 2 7 1 31 2 7 1 31 2 6 1 31 2 6 1 31	1 17 15 35 1 17 15 35 1 18 15 35 1 18 15 35 1 18 15 35 1 19 15 35 1 19 15 35	17 40 17 17 41 17 17 43 17 17 45 17 17 48 17	28 19 43 29 19 42 30 19 42 31 19 41 32 19 41	4 39 6 1 4 38 6 1 4 37 6 2 4 37 6 2 4 36 6 2 4 35 6 3 4 35 6 3
W27 T 28 F 29 S 30	20 48 20 59 21 9	19 56 1 17 17 59 0 1 14 56 1s15 11 5 2 24	21 35 0 2 22 8 0 2 22 39 0 2 23 7 1 23 33 1 23 56 1	43 25 12 3 6 23 52 25 3 3 4 23	36 0 42 40 0 42 43 0 43 47 0 43 50 0 44 53 0 44	6 4 1 21 6 3 1 20 6 2 1 20 6 0 1 20 5 59 1 20	11 15 1 23 11 15 1 23 11 14 1 23 11 14 1 24 11 13 1 24	21 19 0 6 21 19 0 6 21 20 0 6 21 20 0 6 21 21 0 6 21 22 0 6 21 22 0 6 21 22 0 6	2 5 1 31 2 5 1 31 2 5 1 31 2 4 1 31 2 4 1 30	1 20 15 35 1 20 15 36 1 20 15 36 1 20 15 36 1 21 15 36	17 55 17 17 57 17 17 57 17 17 58 17 17 58 17 17 57 17	34 19 40 35 19 40 36 19 39 37 19 39 38 19 38 38 19 38	4 33 6 4 4 33 6 4 4 32 6 4 4 32 6 5 4 31 6 5 4 31 6 5

Julian Day Number = 2492206.5, Delta T = 98.68 sec Ecliptic obliquity =  $23^{\circ}25'23$ , Nutation = -  $0^{\circ}00'14$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}17'45$ , Lahiri =  $25^{\circ}24'45$ 

JUNE 2111 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)Å(	¥	В	រា	ß	Ç	ę,	Day
M 1	16 35 39	10 <b>I</b> I 0'42	<b>4</b> Υ30	19 <b>∏</b> 43	239521	22 <b>II</b> 58	18Mp 2	4 <b>)</b> €23	7 <b>Π</b> 7	8°R41	14 <b>8</b> 56	9°R 5	10Ω13	269541	3 <b>₩</b> 35	M 1
T 2	16 39 36	10°58'15	17°47	21°47	24° 4	23°39	18° 5	4°24	7°11	8 <b>≏</b> 41	14°57	$9\Omega$ 0	10°10	26°47	3°36	T 2
W 3	16 43 32	11°55'47	0 <b>8</b> 49	23°50	24°46	24°19	18° 8	4°26	7°14	8°40	14°58	8°53	10° 7	26°54	3°36	W 3
T 4	16 47 29	12°53'19	13°40	25°51	25°28	25° 0	18°12	4°27	7°18	8°39	14°59	8°44	10° 4	27° 1	3°36	T 4
F 5	16 51 25	13°50'50	26°18	27°49	26° 8	25°40	18°16	4°28	7°21	8°39	15° 1	8°35	10° 1	27° 7	3°36	F 5
S 6	16 55 22	14°48'19	8∏44	29°45	26°48	26°21	18°19	4°29	7°25	8°39	15° 2	8°25	9°57	27°14	3°36	S 6
S 7	16 59 18	15°45'48	20°59	1938	27°26	27° 1	18°23	4°30	7°28	8°38	15° 3	8°16	9°54	27°21	3°R36	S 7
M 8	17 3 15	16°43'16	399 4	3°29	28° 3	27°42	18°27	4°30	7°32	8°38	15° 4	8° 9	9°51	27°27	3°36	M 8
T 9	17 711	17°40'43	15° 1	5°18	28°39	28°22	18°32	4°31	7°35	8°37	15° 5	8° 4	9°48	27°34	3°36	T 9
W10	17 11 8	18°38'09	26°50	7° 4	29°13	29° 2	18°36	4°32	7°39	8°37	15° 7	8° 1	9°45	27°40	3°36	W10
T 11	17 15 5	19°35'34	8 <b>Ω</b> 37	8°47	29°46	29°43	18°41	4°32	7°42	8°37	15° 8	8°D 1	9°42	27°47	3°36	T 11
F 12	17 19 1	20°32'58	20°24	10°28	0Ω18	0ණ23	18°45	4°33	7°46	8°36	15° 9	8° 1	9°38	27°54	3°36	F 12
S 13	17 22 58	21°30'21	2 <b>m</b> ) 17	12° 6	0°49	1° 3	18°50	4°33	7°49	8°36	15°10	8° 3	9°35	28° 0	3°35	S 13
S 14	17 26 54	22°27'42	14°19	13°42	1°17	1°43	18°55	4°33	7°53	8°36	15°11	8° 4	9°32	28° 7	3°35	S 14
M15	17 30 51	23°25'03	26°37	15°14	1°45	2°23	19° 0	4°R33	7°56	8°36	15°12	8°R 4	9°29	28°14	3°35	M15
T 16	17 34 47	24°22'23	9 <b>≏</b> 15	16°44	2°10	3° 4	19° 6	4°33	7°59	8°36	15°13	8° 3	9°26	28°20	3°34	T 16
W17	17 38 44	25°19'41	22°17	18°12	2°34	3°44	19°11	4°33	8° 3	8°35	15°15	8° 0	9°22	28°27	3°34	W17
T 18	17 42 40	26°16'59	5 <b>M</b> .46	19°36	2°57	4°24	19°17	4°33	8° 6	8°35	15°16	7°55	9°19	28°34	3°33	T 18
F 19	17 46 37	27°14'16	19°43	20°58	3°17	5° 4	19°23	4°32	8°10	8°35	15°17	7°50	9°16	28°40	3°32	F 19
S 20	17 50 34	28°11'33	4 <b>₹</b> 6	22°17	3°36	5°44	19°29	4°32	8°13	8°D35	15°18	7°44	9°13	28°47	3°32	S 20
S 21	17 54 30	29° 8'48	18°51	23°33	3°53	6°23	19°35	4°31	8°16	8°35	15°19	7°38	9°10	28°54	3°31	S 21
M22	17 58 27	09 6'03	3 <b>る</b> 50	24°46	4° 8	7° 3	19°41	4°31	8°20	8°35	15°20	7°34	9° 7	29° 0	3°30	M22
T 23	18 2 23	1° 3'18	18°54	25°56	4°20	7°43	19°47	4°30	8°23	8°35	15°21	7°31	9° 3	29° 7	3°29	T 23
W24	18 6 20	2° 0'32	3≈55	27° 3	4°31	8°23	19°54	4°29	8°26	8°36	15°22	7°D30	9° 0	29°14	3°28	W24
T 25	18 10 16	2°57'46	18°44	28° 7	4°40	9° 3	20° 0	4°28	8°30	8°36	15°23	7°30	8°57	29°20	3°27	T 25
F 26	18 14 13	3°55'00	3 <b>)</b> 15	29° 7	4°46	9°43	20° 7	4°27	8°33	8°36	15°24	7°31	8°54	29°27	3°26	F 26
S 27	18 18 9	4°52'14	17°27	0 <b>Ω</b> 5	4°50	10°22	20°14	4°26	8°36	8°36	15°25	7°33	8°51	29°33	3°25	S 27
S 28	18 22 6	5°49'27	1 <b>Y</b> 16	0°59	4°R52	11° 2	20°21	4°25	8°39	8°36	15°26	7°R34	8°48	29°40	3°24	S 28
M29	18 26 3	6°46'41	14°44	1°49	4°52	11°42	20°28	4°24	8°43	8°37	15°27	7°33	8°44	29°47	3°23	M29
T 30	18 29 59	79543'54	27 <b>Y</b> 53	2 <b>Ω</b> 36	4 <b>Ω</b> 49	129521	20 <b>m</b> 35	4 <b>∺</b> 22	8 <b>Ⅱ</b> 46	8 <b>₾</b> 37	15 <b>8</b> 27	$7\Omega$ 32	8 <b>Ω</b> 41	29953	3 <b>∺</b> 21	T 30

Day	0	D		ζ	i	Q		d	7	2	<b>+</b>	ħ	<u></u>	);	<del>j</del> (	Ą	ħ	Р	n	U	ţ	ď	:
	decl	decl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
M 1	21n56		-	24n35		24n12		23n59	0n45	5n57		11s12		21n23				1n21 15 s36				4 s 3 0	6n 6
T 2 W 3	22 4 22 12			24 50 25 3	1 40 1 46		2 46 2 42		0 45 0 46	5 55 5 54	1 19 1 19			21 24 21 25			1 30 1 30	1 21 15 30 1 22 15 30			19 37 19 36	4 29 4 29	6 6 6 7
T 4	22 12		-	25 12	1 51	23 49			0 46	5 52	1 19		1 25		0 6	2 3	1 30	1 22 15 30		17 42		4 29	6 7
F 5	22 27	-		25 20	1 55		2 34		0 47	5 51	1 18		1 25				1 30	1 22 15 30		17 43		4 28	6 7
S 6	22 33			25 24		23 13	2 29	-	0 47	5 49	-	11 11	1 25					1 22 15 3				4 28	6 8
S 7	-			25 27	2 2	-	2 24		0 47	5 47	-	11 11		21 27	0 6			1 22 15 3				4 27	6 8
M 8	-		2 57		2 4			24 12	0 48	5 45	1 18		1 26		0 6			1 23 15 3				4 27	6 8
T 9	22 51			25 24	2 5			24 13	0 48	5 44	-	11 11	1 26						18 14			4 27	6 9
W10 T 11		-,	1 0 0n 3	25 19 25 13	2 6 2 5	-		24 14 24 14	0 49 0 49	5 42 5 40	-	11 11 11 11	1 26	21 29 21 29				1 23 15 3° 1 23 15 3°	18 15			4 27 4 26	6 9
F 12				25 5		21 57		24 14	0 49	5 38	1 17		1 27				1 30	1 23 15 38				4 26	6 9
	23 9	-		24 54		21 44		24 15	0 50	5 36	-	11 11		21 30				1 23 15 38				4 26	6 10
S 14	23 13		-	24 42		21 31		24 15	0 50	5 33	1 17	11 11		21 31	0 6	2 2		1 24 15 38				4 26	6 10
M15	23 16			24 29		21 18		24 15	0 50	5 31	1 16		1 27		0 6	2 2	1 30	1 24 15 38				4 26	6 10
T 16	23 18		-	24 14	1 53			24 14	0 51	5 29	1 16		1 28			2 2	1 30	1 24 15 38				4 25	6 11
W17	23 20			23 58		20 51		24 13	0 51	5 27	1 16		1 28				1 30	1 24 15 38				4 25	6 11
	23 22 23 24			<ul><li>23 41</li><li>23 23</li></ul>		20 38 20 25		<ul><li>24 13</li><li>24 11</li></ul>	0 52 0 52	5 24 5 22		11 12 11 13	1 28 1 28				1 30 1 30	1 24 15 39				4 25 4 25	6 11 6 12
S 20	23 25	-	4 38			20 23		24 11	0 52	5 19		11 13		21 34				1 24 15 39				4 25	6 12
S 21	23 25	19 4	3 54	22 44	1 22	19 59	0 44	24 9	0 53	5 17	1 15	11 13	1 29	21 35	0 6	2 2	1 30	1 24 15 39	18 21	17 57	19 28	4 25	6 12
M22	23 25	20 29	2 53	22 23	1 14	19 46	0 34	24 7	0 53	5 14	1 15	11 14	1 29	21 35	0 6	2 2	1 30	1 25 15 39	18 22	17 58	19 28	4 25	6 13
	23 25		1 40		1 6		0 24		0 53	5 11		11 14		21 36		2 2	1 29	1 25 15 40				4 25	6 13
W24	23 24			21 39	0 56		0 13		0 54	5 9	1 15	-		21 36		2 2	1 29	1 25 15 40			19 26	4 25	6 13
T 25	23 23			21 17	0 46				0 54	5 6	1 15			21 37	0 6	2 2	1 29	1 25 15 40			19 26	4 25	6 14
F 26 S 27	23 22 23 20			20 54 20 32	0 36 0 25			<ul><li>23 58</li><li>23 56</li></ul>	0 54 0 55	5 3 5 0		11 16 11 16		21 37 21 38	0 6		1 29 1 29	1 25 15 40 1 25 15 40			19 25 19 25	4 25 4 26	6 14 6 14
S 28	23 18	3 22	4 13	20 9	0 13	18 31	0 32	23 53	0 55	4 57	1 14	11 17	1 30	21 38	0 6	2 3	1 29	1 25 15 4	18 22	18 3	19 24	4 26	6 14
M29	23 15	1n22	4 49	19 46	0 1	18 19	0 44	23 50	0 55	4 54	1 14	11 18	1 30	21 39	0 6	2 3	1 29	1 25 15 4	18 22	18 4	19 24	4 26	6 15
T 30	23n12	5n54	5s 9	19n23	0s11	18n 8	0 s 5 7	23n46	0n56	4n51	1n14	11s18	1 s 3 1	21n39	0s 6	2 s 3	1n29	1n25 15 s4	18n22	18n 5	19n23	4 s 2 6	6n15

 $\label{eq:Julian Day Number = 2492237.5, Delta T = 98.73 sec} \\ Ecliptic obliquity = 23°25'23, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°17'49, Lahiri = 25°24'49} \\$ 

JULY 2111 00:00 UT

-	0.1		_	· ·		_	_				_	_	_			-
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)f(	卉	Р	B	Ω	ţ	Š	Day
W 1	18 33 56	89541'08	10844	3 <b>Ω</b> 19	4°R44	1399 1	20 mp 43	4°R21	8 <b>Ⅱ</b> 49	8 <b>쇼</b> 37	15 <b>8</b> 28	7°R29	8 <b>Ω</b> 38	$0\Omega$ 0	3°R20	W 1
T 2	18 37 52	9°38'22	23°19	3°59	4 <b>Ω</b> 37	13°41	20°50	4 <b>) (</b> 19	8°52	8°38	15°29	$7\Omega_{25}$	8°35	0° 7	3 <b>)</b> 19	T 2
F 3	18 41 49	10°35'35	5 <b>Ⅱ</b> 42	4°34	4°27	14°20	20°58	4°18	8°55	8°38	15°30	7°21	8°32	0°13	3°17	F 3
S 4	18 45 45	11°32'49	17°53	5° 5	4°15	15° 0	21° 6	4°16	8°58	8°38	15°31	7°17	8°28	0°20	3°16	S 4
S 5	18 49 42	12°30'03	29°56	5°33	4° 0	15°39	21°13	4°14	9° 1	8°39	15°32	7°13	8°25	0°27	3°14	S 5
M 6	18 53 38	13°27'17	11951	5°55	3°43	16°19	21°22	4°12	9° 4	8°39	15°33	7°10	8°22	0°33	3°12	M 6
T 7	18 57 35	14°24'30	23°42	6°14	3°24	16°58	21°30	4°10	9° 7	8°40	15°33	7° 8	8°19	0°40	3°11	T 7
W 8	19 1 32	15°21'44	5 <b>Ω</b> 29	6°28	3° 3	17°37	21°38	4° 8	9°10	8°40	15°34	7°D 7	8°16	0°47	3° 9	W 8
T 9	19 5 28	16°18'58	17°15	6°37	2°39	18°17	21°46	4° 6	9°13	8°41	15°35	7° 8	8°13	0°53	3° 7	T 9
F 10	19 9 25	17°16'11	29° 4	6°R42	2°13	18°56	21°55	4° 3	9°16	8°42	15°36	7° 9	8° 9	1° 0	3° 5	F 10
S 11	19 13 21	18°13'24	10 <b>m</b> 59	6°42	1°46	19°35	22° 3	4° 1	9°19	8°42	15°36	7°10	8° 6	1° 7	3° 4	S 11
S 12	19 17 18	19°10'37	23° 4	6°37	1°16	20°15	22°12	3°58	9°22	8°43	15°37	7°12	8° 3	1°13	3° 2	S 12
M13	19 21 14	20° 7'50	5 <b>₾</b> 22	6°27	0°45	20°54	22°21	3°56	9°25	8°44	15°38	7°13	8° 0	1°20	3° 0	M13
T 14	19 25 11	21° 5'03	17°58	6°13	0°12	21°33	22°30	3°53	9°28	8°44	15°38	7°R13	7°57	1°26	2°58	T 14
W15	19 29 7	22° 2'16	0 <b>M</b> .56	5°55	29938	22°12	22°39	3°51	9°31	8°45	15°39	7°13	7°54	1°33	2°56	W15
T 16	19 33 4	22°59'29	14°20	5°32	29° 3	22°52	22°48	3°48	9°33	8°46	15°40	7°12	7°50	1°40	2°54	T 16
F 17	19 37 1	23°56'42	28°10	5° 5	28°27	23°31	22°57	3°45	9°36	8°47	15°40	7°11	7°47	1°46	2°52	F 17
S 18	19 40 57	24°53'55	12 <b>×</b> 28	4°35	27°50	24°10	23° 6	3°42	9°39	8°48	15°41	7°10	7°44	1°53	2°49	S 18
S 19	19 44 54	25°51'09	27° 9	4° 1	27°13	24°49	23°16	3°39	9°42	8°49	15°42	7° 8	7°41	2° 0	2°47	S 19
M20	19 48 50	26°48'22	12る 9	3°25	26°35	25°28	23°25	3°36	9°44	8°50	15°42	7° 7	7°38	2° 6	2°45	M20
T 21	19 52 47	27°45'36	27°20	2°46	25°58	26° 7	23°35	3°33	9°47	8°51	15°43	7° 7	7°34	2°13	2°43	T 21
W22	19 56 43	28°42'50	12≈32	2° 6	25°20	26°46	23°44	3°29	9°50	8°52	15°43	7°D 7	7°31	2°20	2°40	W22
T 23	20 0 40	29°40'05	27°35	1°24	24°44	27°25	23°54	3°26	9°52	8°53	15°44	7° 7	7°28	2°26	2°38	T 23
F 24	20 4 37	$0$ <b><math>\Omega</math></b> 37'20	12 <b>米</b> 22	0°43	24° 8	28° 4	24° 4	3°23	9°55	8°54	15°44	7° 8	7°25	2°33	2°35	F 24
S 25	20 8 33	1°34'36	26°47	0° 2	23°33	28°43	24°14	3°19	9°57	8°55	15°45	7° 8	7°22	2°40	2°33	S 25
S 26	20 12 30	2°31'53	10 <b>Y</b> 47	29523	22°59	29°22	24°24	3°16	10° 0	8°56	15°45	7° 8	7°19	2°46	2°31	S 26
M27	20 16 26	3°29'10	24°21	28°45	22°26	0 <b>Ω</b> 1	24°34	3°12	10° 2	8°57	15°45	7° 9	7°15	2°53	2°28	M27
T 28	20 20 23	4°26'29	7 <b>8</b> 30	28°10	21°55	0°40	24°45	3° 9	10° 4	8°58	15°46	7°R 9	7°12	3° 0	2°25	T 28
W29	20 24 19	5°23'49	20°17	27°38	21°26	1°19	24°55	3° 5	10° 7	8°59	15°46	7° 9	7° 9	3° 6	2°23	W29
T 30	20 28 16	6°21'09	2 <b>II</b> 46	27°11	20°58	1°57	25° 5	3° 1	10° 9	9° 0	15°47	7° 9	7° 6	3°13	2°20	T 30
F 31	20 32 12	$7\Omega$ 18'31	14耳59	269647	20933	2 <b>Ω</b> 36	25 Mp 16	2 <b>)</b> 57	10 <b>I</b> I11	9 <b>₾</b> 2	15 <b>8</b> 47	7°D 9	7 <b>Ω</b> 3	3 <b>Ω</b> 19	2 <b>)</b> 18	F 31

Day	0	D	ğ	Q	C	7	24	ļ	ħ	<u>.</u>	);	β(	并	Р	n	U	Ç	ķ
	decl	decl lat	decl la	at decl l	at decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl lat	decl	decl	decl	decl lat
W 1 T 2	23n 8 23 4			0s24 17n57 0 38 17 46	1s 9 23n43 1 22 23 39	0n56 0 56	4n48 4 45		11 s19 11 20		21n40 21 40		2s 3 1n29 2 3 1 29	1n25 15 s41 1 25 15 42				4s26 6n15 4 27 6 16
F 3 S 4	23 0 22 55	16 42 4 3 18 55 3 5	36 18 16 59 17 55	0 52 17 35 1 6 17 25	1 36 23 35 1 49 23 31	0 57 0 57	4 42 4 39	-	11 21 11 22		21 41 21 41	0 6 0 6	2 3 1 29 2 4 1 29	1 25 15 42 1 25 15 42	18 25 18 26		19 22 19 21	4 27 6 16 4 27 6 16
S 5 M 6	22 45	20 39 2 1	5 17 14	1 21 17 15 1 36 17 5	2 3 23 27 2 17 23 23	0 57 0 57	4 36 4 32	-	11 23	1 32 1 32	21 42	0 6	2 4 1 29 2 4 1 29	1 25 15 42 1 25 15 43	18 28	18 10		4 27 6 16 4 28 6 17
T 7 W 8 T 9	22 32	18 44 0	9 16 37	1 51 16 56 2 6 16 47 2 21 16 39	2 31 23 18 2 45 23 13 2 59 23 8	0 58 0 58 0 58	4 29 4 25 4 22	1 12	-	-	21 43 21 43 21 44	0 6	2 4 1 29 2 5 1 29 2 5 1 29	1 25 15 43 1 25 15 43 1 25 15 43		18 11	19 19	4 28 6 17 4 28 6 17 4 29 6 17
F 10 S 11				2 36 16 30 2 51 16 23	3 14 23 3 3 28 22 58	0 59 0 59	4 19 4 15		11 27 11 28	1 33 1 33	21 44 21 45		2 5 1 29 2 5 1 29	1 25 15 44 1 25 15 44				4 29 6 18 4 30 6 18
_	22 3 21 55 21 46	6 14 3 4 2 0 4 2 2 s 2 6 4 5	29 15 24		3 42 22 52 3 56 22 47 4 9 22 41	0 59 1 0 1 0	4 11 4 8 4 4	1 12 1 12 1 11	11 29 11 30 11 32	1 33 1 33 1 33	21 45	0 5	2 6 1 29 2 6 1 29 2 6 1 29	1 25 15 44 1 25 15 44 1 24 15 45	18 27	18 15	19 16	4 30 6 18 4 31 6 18 4 31 6 19
W15 T 16	21 37 21 28	6 52 5 1 11 7 5 1	15 15 6 14 14 59	3 48 15 56 4 1 15 50	4 23 22 35 4 36 22 29	1 0 1 0	4 0 3 57	1 11 1 11	11 33 11 34	1 34 1 34	21 46 21 47	0 5 0 5	2 7 1 29 2 7 1 28	1 24 15 45 1 24 15 45	18 27 18 27	18 17 18 18	19 15 19 14	4 32 6 19 4 32 6 19
S 18	21 8	18 0 4 1	9 14 50	4 13 15 45 4 23 15 40	4 49 22 22 5 1 22 16	1 1 1	3 53 3 49		11 36	1 34 1 34	21 48		2 7 1 28 2 8 1 28	1 24 15 45 1 24 15 46	18 28	18 19	19 13	4 33 6 19 4 33 6 19
S 19 M20 T 21	20 58 20 47 20 36	20 38 2 1	4 14 49	4 33 15 35 4 41 15 31 4 48 15 28	5 13 22 9 5 24 22 2 5 34 21 55	1 1 1 1 1 2	3 45 3 41 3 37	1 10		1 34 1 34 1 35		0 5	2 8 1 28 2 9 1 28 2 9 1 28	1 24 15 46 1 24 15 46 1 24 15 47	18 29	18 21	19 12	4 34 6 20 4 34 6 20 4 35 6 20
W22 T 23	20 24 20 12	17 31 0s3 14 3 1 5	30 14 55 51 15 0	4 53 15 24 4 57 15 22	5 44 21 48 5 54 21 41	1 2 1 2	3 34 3 30	1 10 1 10	11 42 11 43	1 35 1 35	21 49 21 50	0 5 0 5	2 9 1 28 2 10 1 28	1 24 15 47 1 23 15 47	18 29 18 29	18 23 18 23	19 10 19 10	4 36 6 20 4 36 6 20
F 24 S 25	20 0 19 48	4 59 4	3 15 16	4 59 15 19 4 59 15 17	6 2 21 33 6 10 21 26	1 3	3 25 3 21		11 46		21 50	0 5	2 10 1 28 2 11 1 28	1 23 15 48		18 25	19 8	4 37 6 20 4 38 6 21
S 26 M27 T 28	19 35 19 22 19 8	4n37 5 1	0 15 36	4 57 15 16 4 54 15 14 4 49 15 14	6 17 21 18 6 24 21 10 6 30 21 2	1 3	3 17 3 13 3 9	1 10 1 10 1 9	-	1 36	21 51 21 51 21 51	0 5	2 11 1 28 2 12 1 28 2 12 1 28		18 28	18 27	19 7	4 39 6 21 4 39 6 21 4 40 6 21
W29 T 30		12 50 5 1	0 16 0	4 42 15 13 4 34 15 13	6 35 20 53 6 39 20 45	-	3 5 3 1	1 9 1 9	11 52	1 36	21 52 21 52	0 5	2 13 1 28 2 13 1 28 2 13 1 28	1 22 15 49 1 22 15 49 1 22 15 49	18 28	18 28	19 6	4 41 6 21 4 42 6 21
F 31	18n26	18n25 4s1	1 16n27	4s25 15n13	6 s 4 2 2 0 n 3 6	1n 4	2n56	1n 9	11 s55	1 s36	21n52	0s 5	2s14 1n28	1n22 15 s50	18n28	18n30	19n 4	4 s42 6n21

Julian Day Number = 2492267.5, Delta T = 98.77 sec Ecliptic obliquity =  $23^{\circ}25'23$ , Nutation = -  $0^{\circ}00'13$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}17'53$ , Lahiri =  $25^{\circ}24'54$ 

AUGUST 2111 00:00 UT

		-														
Day	Sid.t	0	D	ğ	ρ	ð	4	ħ	)∤(	<del>¥</del>	В	រា	ß	Ç	ķ	Day
S 1	20 36 9	8 <b>Ω</b> 15'53	27 <b>I</b> 1	26°R29	20°R10	3 <b>Ω</b> 15	25 Mp 26	2°R54	10 <b>I</b> I13	9 <b>₾</b> 3	15 <b>8</b> 47	7 <b>N</b> 9	7 <b>Ω</b> 0	3 <b>Ω</b> 26	2°R15	S 1
S 2	20 40 5	9°13'17	8955	26916	195649	3°54	25°37	2 <b>)</b> 50	10°16	9° 4	15°48	7° 9	6°56	3°33	2 <b>∺</b> 12	S 2
M 3	20 44 2	10°10'41	20°45	26° 9	19°30	4°33	25°48	2°46	10°18	9° 6	15°48	7° 9	6°53	3°39	2°10	M 3
T 4	20 47 59	11° 8'06	$2\Omega$ 32	26°D 8	19°13	5°11	25°58	2°42	10°20	9° 7	15°48	7°R 9	6°50	3°46	2° 7	T 4
W 5	20 51 55	12° 5'32	14°19	26°13	18°59	5°50	26° 9	2°38	10°22	9°8	15°48	7° 9	6°47	3°53	2° 4	W 5
T 6	20 55 52	13° 3'00	26° 9	26°25	18°47	6°29	26°20	2°33	10°24	9°10	15°49	7° 9	6°44	3°59	2° 1	T 6
F 7	20 59 48	14° 0'27	8Mp 4	26°43	18°38	7° 7	26°31	2°29	10°26	9°11	15°49	7° 8	6°40	4° 6	1°58	F 7
S 8	21 3 45	14°57'56	20° 6	27° 8	18°31	7°46	26°42	2°25	10°28	9°13	15°49	7° 7	6°37	4°13	1°55	S 8
S 9	21 741	15°55'26	2 <b>ჲ</b> 18	27°39	18°26	8°25	26°53	2°21	10°30	9°14	15°49	7° 6	6°34	4°19	1°53	S 9
M10	21 11 38	16°52'56	14°42	28°16	18°23	9° 3	27° 5	2°17	10°32	9°16	15°49	7° 5	6°31	4°26	1°50	M10
T 11	21 15 34	17°50'27	27°21	29° 1	18°D23	9°42	27°16	2°12	10°34	9°17	15°49	7° 4	6°28	4°33	1°47	T 11
W12	21 19 31	18°47'59	10 <b>M</b> .19	29°51	18°26	10°20	27°27	2°8	10°35	9°19	15°49	7° 3	6°25	4°39	1°44	W12
T 13	21 23 28	19°45'32	23°37	$0\Omega 48$	18°30	10°59	27°39	2° 4	10°37	9°20	15°50	7°D 3	6°21	4°46	1°41	T 13
F 14	21 27 24	20°43'06	7 <b>√</b> 19	1°51	18°37	11°38	27°50	1°59	10°39	9°22	15°50	7° 4	6°18	4°52	1°38	F 14
S 15	21 31 21	21°40'40	21°24	3° 0	18°46	12°16	28° 2	1°55	10°40	9°23	15°50	7° 5	6°15	4°59	1°35	S 15
S 16	21 35 17	22°38'16	5 <b>る</b> 52	4°15	18°57	12°54	28°13	1°50	10°42	9°25	15°R50	7° 6	6°12	5° 6	1°32	S 16
M17	21 39 14	23°35'52	20°39	5°35	19°10	13°33	28°25	1°46	10°44	9°27	15°50	7° 7	6° 9	5°12	1°29	M17
T 18	21 43 10	24°33'30	5≈41	7° 1	19°25	14°11	28°37	1°41	10°45	9°28	15°50	7°R 7	6° 6	5°19	1°26	T 18
W19	21 47 7	25°31'08	20°48	8°31	19°42	14°50	28°48	1°37	10°47	9°30	15°50	7° 7	6° 2	5°26	1°23	W19
T 20	21 51 3	26°28'48	5 <b>)</b> 53	10° 6	20° 1	15°28	29° 0	1°32	10°48	9°32	15°49	7° 5	5°59	5°32	1°20	T 20
F 21	21 55 0	27°26'29	20°47	11°45	20°21	16° 7	29°12	1°28	10°49	9°34	15°49	7° 3	5°56	5°39	1°17	F 21
S 22	21 58 57	28°24'12	5 <b>℃</b> 21	13°28	20°44	16°45	29°24	1°23	10°51	9°35	15°49	7° 1	5°53	5°46	1°14	S 22
S 23	22 2 53	29°21'56	19°30	15°15	21° 8	17°23	29°36	1°19	10°52	9°37	15°49	6°58	5°50	5°52	1°11	S 23
M24	22 6 50	0 <b>m</b> 19'42	3 <b>8</b> 11	17° 4	21°34	18° 2	29°48	1°14	10°53	9°39	15°49	6°55	5°46	5°59	1°8	M24
T 25	22 10 46	1°17'29	16°26	18°56	22° 2	18°40	29°59	1°10	10°54	9°41	15°49	6°53	5°43	6° 6	1° 5	T 25
W26	22 14 43	2°15'18	29°15	20°50	22°31	19°18	0 <b>ჲ</b> 12	1° 5	10°55	9°43	15°49	6°D52	5°40	6°12	1° 2	W26
T 27	22 18 39	3°13'09	11 <b>II</b> 42	22°46	23° 1	19°57	0°24	1° 1	10°57	9°44	15°48	6°53	5°37	6°19	0°59	T 27
F 28	22 22 36	4°11'02	23°53	24°43	23°33	20°35	0°36	0°56	10°58	9°46	15°48	6°54	5°34	6°25	0°56	F 28
S 29	22 26 32	5° 8'56	5951	26°40	24° 6	21°13	0°49	0°52	10°59	9°48	15°48	6°55	5°31	6°32	0°53	S 29
S 30	22 30 29	6° 6'53	17°41	28°39	24°41	21°51	1° 1	0°47	11° 0	9°50	15°48	6°57	5°27	6°39	0°50	S 30
M31	22 34 26	7 <b>m</b> ) 4'51	299528	0 <b>m</b> 38	259917	22 <b>\Omega</b> 30	1 <b>≏</b> 13	0 <b>)</b> €43	11 <b>I</b> 0	9 <b>≙</b> 52	15 <b>8</b> 47	6 <b>Ω</b> 58	5 <b>Ω</b> 24	$6\Omega45$	0 <b>∺</b> 47	M31

Day	0	2	)	ζ	5	ç	)	ď	1	2	ļ	ħ	1	);	<del>j(</del>	4	7	Р		n	Ω	Ç	Š	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	lat	decl	decl	decl	decl	lat
S 1	18n11	19n58	3 s25	16n41	4s14	15n14	6 s 4 5	20n28	1n 4	2n52	1n 9	11 s56	1 s36	21n53	0s 5	2s14	1n28	1n22	15 s50	18n28	18n31	19n 4	4 s43	6n22
S 2 M 3		20 37 20 20	2 31 1 30			15 15 15 16		20 19 20 10	1 5 1 5	2 48 2 43	1 9 1 9	11 58 11 59		21 53 21 53		2 15 2 15	1 28 1 28			18 28 18 28			4 44 4 45	6 22 6 22
T 4 W 5	17 25 17 9		0 26 0n40			15 17 15 19	6 50 6 50		1 5 1 5	2 39 2 35	1 9 1 9			21 54 21 54		2 16 2 17	1 28 1 28	1 21 1 21		18 28 18 28			4 46 4 47	6 22 6 22
T 6 F 7	-, ,	14 25	1 44 2 43	17 50 18 2	3 5	15 21 15 23	6 50 6 49	19 42	1 5 1 6	2 30	1 8	12 4	1 37 1 37	21 54	0 5	2 17 2 18	1 28 1 28	1 21	15 51		18 35	19 0	4 48 4 49	6 22 6 22
S 8 S 9	16 20 16 3	7 14	3 37 4 21	18 13 18 23		15 25 15 27	6 47 6 46	19 22 19 13	1 6		1 8	12 7 12 9		21 55 21 55		2 18 2 19	1 28 1 28			18 29		18 59 18 58	4 50 4 50	6 22 6 22
M10 T 11	15 46 15 28	1 s 1 7	4 53 5 13	18 31 18 38	2 1	15 30 15 33	6 43		1 6 1 6 1 6	2 12	1 8	12 11	1 38	21 55	0 5	2 19 2 20 2 20	1 28 1 28 1 28	1 20	15 53	18 29 18 30	18 38	18 57	4 50 4 51 4 52	6 22 6 22
W12 T 13	15 11		5 17 5 4	18 44	1 28	15 35 15 38	6 38		1 7 1 7	2 3	1 8	12 14		21 56	0 5	2 21 2 21	1 28 1 27	1 19	15 53	18 30	18 39	18 56 18 55	4 53	6 22 6 22
F 14 S 15	14 35 14 16	17 0 19 22	4 34 3 47			15 41 15 44	6 30 6 26	18 22 18 11	1 7 1 7	_	1 8 1 8	12 17 12 19		21 56 21 57		2 22 2 23	1 27 1 27					18 55 18 54		6 23 6 23
S 16 M17	13 39	20 33 20 21	2 45 1 30	18 40	0 12	15 47 15 50		17 49	1 7 1 7		1 7	12 21 12 22	1 38		0 5		1 27 1 27	1 18	15 55	18 29	18 43	18 53 18 52	4 58	6 23 6 23
T 18 W19 T 20	13 0	18 43 15 44	0 8 1s15		0 15	15 53 15 55	6 7		1 8	1 30	1 7	12 24 12 26		21 58	0 5	2 25	1 27	1 17	15 55	18 29	18 45	18 52 18 51	5 1	6 23 6 23
F 21 S 22	12 41 12 21 12 1		2 32 3 38 4 29	17 52	0 39 0 49		6 2 5 56 5 51		1 8 1 8 1 8	1 21	1 7	12 27 12 29 12 31	1 39	21 58 21 58 21 58	0 5	2 27	1 27 1 27 1 27	1 17	15 56	18 30	18 47	18 50 18 49 18 49	5 3	6 23 6 22 6 22
S 23 M24	11 41 11 21		5 1 5 15	17 12 16 47	0 59 1 8	16 5 16 7	5 45 5 39	16 42 16 30	1 9 1 9			12 32 12 34	1 39 1 39	21 58 21 58		_	1 27 1 27					18 48 18 47		6 22 6 22
T 25 W26	11 0	11 46 15 14	5 11 4 52	16 20 15 51	1 16		5 33 5 26	16 19	1 9 1 9	1 1	1 7	12 36	1 39 1 39	21 59	0 5	2 30	1 27 1 27	1 15	15 57	18 32	18 50		5 7	6 22 6 22
T 27 F 28	10 19	17 54 19 42	4 19 3 35	15 19 14 45	1 29	16 12 16 13	5 20 5 14	15 55	1 9	0 52		12 39	1 39		0 5	2 31	1 27	1 15	15 58	18 32	18 51	18 45 18 44	5 9	6 22 6 22
S 29	9 37	20 35	2 43	14 9		16 14	5 7	15 31	1 9	0 42	1 7	12 43		21 59	0 5	2 33	1 27	1 14	15 58	18 32	18 53	18 43	5 12	6 22
S 30 M31		20 32 19n35	1 44 0s41			16 15 16n15	5 1 4s54	15 19 15n 6	1 10 1n10			12 44 12 s46		21 59 22n 0	0 5 0s 5	-						18 42 18n41		6 22 6n22

 $\label{eq:Julian Day Number = 2492298.5, Delta\ T = 98.81\ sec} \\ Ecliptic\ obliquity = 23°25'23, Nutation = -0°00'13, out-of-bounds\ declination\ in\ red \\$ 

Ayanamsha: Fagan/Bradley =  $26^{\circ}17'57$ , Lahiri =  $25^{\circ}24'58$ 

SEPTEMBER 2111 00:00 UT

JEF	I CIIDER	<b>Z I I</b> I I													00.00	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	并	Р	n	Ω	Ç	Ŷ,	Day
T 1	22 38 22	8 mg 2'50	11 <b>Ω</b> 15	2 <b>m</b> ) 37	259554	23 <b>N</b> 8	1 <u>₽</u> 26	0°R38	11 <b>I</b> 1	9 <b>≙</b> 54	15°R47	6°R59	5 <b>Ω</b> 21	6 <b>£</b> 52	0°R44	T 1
W 2	22 42 19	9° 0'52	23° 6	4°35	26°33	23°46	1°38	0 <b>)</b> €34	11° 2	9°56	15 <b>8</b> 47	$6\Omega$ 57	5°18	6°59	0 <b>)</b> €41	W 2
T 3	22 46 15	9°58'55	5 m/ 2	6°33	27°12	24°24	1°51	0°29	11° 3	9°58	15°46	6°54	5°15	7° 5	0°38	T 3
F 4	22 50 12	10°56'59	17° 7	8°31	27°53	25° 2	2° 3	0°25	11° 3	10° 0	15°46	6°50	5°11	7°12	0°35	F 4
S 5	22 54 8	11°55'05	29°22	10°28	28°34	25°41	2°16	0°20	11° 4	10° 2	15°46	6°44	5° 8	7°19	0°32	S 5
S 6	22 58 5	12°53'13	11 <b>≏</b> 47	12°24	29°17	26°19	2°28	0°16	11° 5	10° 4	15°45	6°38	5° 5	7°25	0°29	S 6
M 7	23 2 1	13°51'22	24°25	14°19	$0\Omega$ 1	26°57	2°41	0°12	11° 5	10° 6	15°45	6°32	5° 2	7°32	0°26	M 7
T 8	23 5 58	14°49'33	7 <b>M</b> ₊15	16°13	0°45	27°35	2°53	0° 7	11° 6	10° 8	15°44	6°26	4°59	7°39	0°23	T 8
W 9	23 9 55	15°47'46	20°20	18° 7	1°31	28°13	3° 6	0° 3	11° 6	10°10	15°44	6°22	4°56	7°45	0°20	W 9
T 10	23 13 51	16°46'00	3 <b>∡</b> 740	19°59	2°17	28°51	3°19	29≈59	11° 6	10°12	15°43	6°19	4°52	7°52	0°17	T 10
F 11	23 17 48	17°44'15	17°17	21°50	3° 4	29°29	3°31	29°55	11° 7	10°14	15°43	6°D19	4°49	7°58	0°15	F 11
S 12	23 21 44	18°42'32	1 <b>る</b> 12	23°40	3°52	0 Mg 7	3°44	29°50	11° 7	10°16	15°42	6°19	4°46	8° 5	0°12	S 12
S 13	23 25 41	19°40'51	15°23	25°28	4°41	0°45	3°57	29°46	11° 7	10°18	15°42	6°20	4°43	8°12	0° 9	S 13
M14	23 29 37	20°39'11	29°52	27°16	5°31	1°23	4°10	29°42	11°8	10°21	15°41	6°R21	4°40	8°18	0° 6	M14
T 15	23 33 34	21°37'32	14≈33	29° 2	6°21	2° 1	4°22	29°38	11°8	10°23	15°41	6°21	4°37	8°25	0° 3	T 15
W16	23 37 30	22°35'55	29°23	0 <b>ჲ</b> 48	7°12	2°39	4°35	29°34	11° 8	10°25	15°40	6°19	4°33	8°32	0° 1	W16
T 17	23 41 27	23°34'20	14 <b>) (</b> 14	2°32	8° 4	3°17	4°48	29°30	11°R 8	10°27	15°39	6°15	4°30	8°38	29≈58	T 17
F 18	23 45 24	24°32'46	28°59	4°15	8°56	3°55	5° 1	29°26	11°8	10°29	15°39	6° 9	4°27	8°45	29°55	F 18
S 19	23 49 20	25°31'15	13 <b>Y</b> 29	5°57	9°49	4°33	5°14	29°22	11° 8	10°31	15°38	6° 2	4°24	8°52	29°53	S 19
S 20	23 53 17	26°29'45	27°39	7°38	10°43	5°11	5°27	29°19	11° 7	10°34	15°37	5°54	4°21	8°58	29°50	S 20
M21	23 57 13	27°28'18	11824	9°18	11°37	5°49	5°39	29°15	11° 7	10°36	15°37	5°46	4°17	9° 5	29°48	M21
T 22	0 1 10	28°26'52	24°42	10°57	12°32	6°27	5°52	29°11	11° 7	10°38	15°36	5°40	4°14	9°12	29°45	T 22
W23	0 5 6	29°25'29	7 <b>Ⅱ</b> 34	12°35	13°28	7° 5	6° 5	29° 8	11° 7	10°40	15°35	5°35	4°11	9°18	29°43	W23
T 24	0 9 3	0 <b>ჲ</b> 24'08	20° 4	14°12	14°24	7°43	6°18	29° 4	11° 6	10°42	15°35	5°33	4° 8	9°25	29°40	T 24
F 25	0 12 59	1°22'50	29915	15°48	15°20	8°21	6°31	29° 1	11° 6	10°44	15°34	5°D32	4° 5	9°32	29°38	F 25
S 26	0 16 56	2°21'33	14°13	17°23	16°17	8°59	6°44	28°57	11° 6	10°47	15°33	5°33	4° 2	9°38	29°35	S 26
S 27	0 20 52	3°20'19	26° 2	18°57	17°15	9°36	6°57	28°54	11° 5	10°49	15°32	5°33	3°58	9°45	29°33	S 27
M28	0 24 49	4°19'07	7 <b>Ω</b> 49	20°31	18°13	10°14	7°10	28°51	11° 5	10°51	15°31	5°R34	3°55	9°51	29°31	M28
T 29	0 28 46	5°17'57	19°38	22° 3	19°12	10°52	7°23	28°47	11° 4	10°53	15°31	5°33	3°52	9°58	29°28	T 29
W30	0 32 42	6 <b>₽</b> 16'50	1 <b>m</b> 33	23 <b>≏</b> 34	$20\Omega 11$	11 <b>m</b> 30	7 <b>≙</b> 36	28≈44	11 <b>I</b> 3	10 <b>≏</b> 56	15 <b>8</b> 30	5 <b>Ω</b> 29	3 <b>Ω</b> 49	$10\Omega$ 5	29≈26	W30

Da	ıy O	• ·	D	ζ	5	Р		♂		4		ħ	l	);	ξ(	Ĵ	ħ	Е	)	n	v	Ç	ķ	
	dec	ecl d	ecl lat	decl	lat	decl la	at	decl lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl la	at
T			n46 0n23		-		4 s47 14	-	-	0n27	1n 6			22n 0				-	15 s59	18n31		18n41		6n22
W		11 15			-		4 40 14			0 22	1 6				-		1 27			18 31		18 40	-	6 22
	3 7 4	-				-	4 34 14		- 1	0 17	1 6	-	-		-		1 27	1 12		18 32		18 39		6 22
	4   7 2 5   7	5 4	11 3 22 2 4 8				4 27 14		-	0 12 0 7	1 6	-					1 27	1 12		18 33		18 38	-	6 21 6 21
	3 /	3 4	2 4 8	9 13	1 45	16 11	4 20 14	+ 3 1	10	0 /	1 6	12 54	1 40	22 0	0 5	2 38	1 27	1 11	10 0	18 35	18 38	18 37	5 19	0 21
	6 6 4	43 0	s20 4 42	8 29	1 43	16 10	4 13 13		11	0 2	1 6	12 56	-		0 5	2 39	1 27	1 11	16 1			18 36	5 21	6 21
	7 6 2		45 5 4	,		,				0s 3	1 6			22 0		2 40	1 27	1 11	-	18 38		18 36		6 21
	8 5 5		2 5 11				3 59 13			0 8	1 6					2 41	1 27	1 10		18 39		18 35		6 21
W			58 5 2				3 52 13			0 13	1 6	-			0 5	2 42	1 27	1 10	-	18 40	-	18 34		6 21
T 1	-	13 16					3 45 12			0 18	1 6	-			0 0	2 42	1 27	-	16 2	18 41	-	18 33		6 20
F 1	_	51 18					3 38 12			0 23	1 6		-				1 27	1 9	16 2	18 41	-	18 32		6 20
		28 20	26 2 59	3 46	1 22	15 51	3 31 12	2 32 1	11	0 29	1 6	13 5	1 40	22 1	0 5	2 44	1 27	1 9	16 2	18 41	19 4	18 31	5 28	6 20
S 1	-	5 20	42 1 51	2 59	1 17	15 46	3 25 12	2 19 1		0 34	1 6	13 6	1 40	22 1	0 5	2 45	1 27	1 8	16 2	18 41	19 4	18 30	5 29	6 20
M1		42 19					3 18 12			0 39	1 6		1 40		0 5	2 46	1 27	-	16 3	18 40		18 30		6 20
T 1	-	19 17					3 11 1	-		0 44	1 6		-		0 5	2 47	1 27		16 3	18 40	-	18 29		6 19
Wl	-	56 13	-	0 37			3 4 1			0 49	1 6	-	-	22 1	0 5	2 47	1 27		16 3	18 41		18 28		6 19
T 1			7 3 10				2 57 1			0 54	1 6	-			0 5	2 48	1 27		16 3	18 42		18 27		6 19
F 1	-	-	10 4 6	0 57			2 50 1				1 6	-	1 40		0 5	2 49	1 27	-	16 4	18 43	-	18 26		6 19
S 1	9 1 4	4/ Or	157 4 44	1 43	0 42	15 9	2 44 10	) 5/ 1	12	1 4	1 6	13 15	1 40	22 1	0 5	2 50	1 27	1 6	16 4	18 45	19 9	18 25	5 35	6 19
S 2	0 1 2	24 5	54 5 4	2 29	0 35	15 1	2 37 10	0 43 1	12	1 9	1 6	13 16	1 40	22 1	0 5	2 51	1 27	1 5	16 4	18 47	19 10	18 24	5 37	6 18
M2		0 10	23 5 6	3 15		14 53	2 30 10			1 14	1 6	13 17	1 40	22 1	0 5		1 27	1 5	16 4		19 10			6 18
T 2		37 14					2 23 10			1 20	1 6	-	-		0 5		1 27	-	16 5	18 51	-	18 22		6 18
W2		14 17	-	4 45	-		2 17 10			1 25	1 6		-		0 5	2 53	1 27		16 5	18 52		18 22		6 18
T 2		10 19			-					1 30	1 6	-		22 0	0 0	2 54	1 27	1 4	16 5		19 13			6 17
F 2		33 20				-				1 35	1 6	-	1 40	22 0	0 0	2 55	1 27	1 3	16 5		19 13			6 17
S 2	0 0 5	56 20	48 1 52	6 56	0s 7	14 5	1 57 9	9 19 1	13	1 40	1 6	13 23	1 40	22 0	0 5	2 56	1 27	1 3	16 5	18 52	19 14	18 19	5 43	6 17
S 2	7 1 2	20 20	6 0 51	7 38	0 14	13 54	1 51 9	9 5 1	13	1 45	1 6	13 24	1 40	22 0	0 5	2 57	1 27	1 3	16 6	18 52	19 15	18 18	5 44	6 17
M2	-	43 18	30 0n12	8 20	0 21	13 42	1 45	8 51 1	13	1 50	1 6	13 25			0 5	2 58	1 27	1 2	16 6		19 16		5 45	6 16
T 2	-	6 16							-	1 55	1 6	-	-				1 27	1 2	16 6		-	18 16		6 16
W3	$0 \mid 2s^3$	30 13r	n 0 2n14	9 s 4 2	0s36	13n18	1 s32	8n22 1:	n13	2s 1	1n 6	13 s28	1 s39	22n 0	0s 5	2s59	1n27	1n 1	16s 6	18n53	19n17	18n15	5 s47	6n16

Julian Day Number = 2492329.5, Delta T = 98.86 sec Ecliptic obliquity = 23°25'24, Nutation = -0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}18'02$ , Lahiri =  $25^{\circ}25'02$ 

OCTOBER 2111 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)∤(	¥	Р	n	Ω	Ç	ķ	Day
T 1	0 36 39	7 <b>≏</b> 15'44	13 <b>m</b> ) 38	25 <b>♀</b> 4	21 <b>Ω</b> 10	12 <b>m</b> ) 8	<del></del> 7 <u>₽</u> 49	28°R41	11°R 3	10₽58	15°R29	5°R23	3 <b>Ω</b> 46	10 <b>Ω</b> 11	29°R24	T 1
F 2	0 30 39	8°14'41	25°55	26°34	22°10	12 ily 8 12°46	8° 2	28 <b>≈</b> 38	11 II 2	11° 0	15 K29 15 <b>8</b> 28	$5\Omega 15$	3°43	10 <b>8</b> 211	29 K24 29≈22	F 2
$\begin{bmatrix} 1 & 2 \\ S & 3 \end{bmatrix}$	0 44 32	9°13'39	8 <b>₽</b> 26	28° 2	23°10	13°23	8°15	28°35	11° 1	11° 2	15°27	5° 5	3°39	10°25	29°20	S 3
S 4	0 48 28	10°12'40	21°10	29°30	24°11	14° 1	8°28	28°32	11° 0	11° 4	15°26	4°53	3°36	10°31	29°18	S 4
M 5	0 52 25	11°11'42	4M 7	0 <b>M</b> .57	25°12	14°39	8°41	28°30	10°59	11° 7	15°25	4°41	3°33	10°38	29°15	M 5
T 6	0 56 21	12°10'47	17°18	2°22	26°13	15°17	8°54	28°27	10°59	11° 9	15°25	4°31	3°30	10°45	29°14	T 6
W 7	1 0 18	13° 9'54	0 <b>∡</b> 39	3°47	27°15	15°54	9° 7	28°25	10°58	11°11	15°24	4°22	3°27	10°51	29°12	W 7
T 8	1 4 15	14° 9'02	14°12	5°11	28°17	16°32	9°20	28°22	10°57	11°13	15°23	4°16	3°23	10°58	29°10	T 8
F 9	1 8 11	15° 8'12	27°54	6°33	29°20	17°10	9°33	28°20	10°55	11°16	15°22	4°13	3°20	11° 5	29° 8	F 9
S 10	1 12 8	16° 7'24	11 <b>ろ</b> 46	7°55	0 Mp 22	17°48	9°46	28°17	10°54	11°18	15°21	4°D12	3°17	11°11	29° 6	S 10
S 11	1 16 4	17° 6'38	25°49	9°15	1°26	18°25	9°59	28°15	10°53	11°20	15°20	4°12	3°14	11°18	29° 4	S 11
M12	1 20 1	18° 5'53	10≈ 0	10°35	2°29	19° 3	10°12	28°13	10°52	11°22	15°19	4°R12	3°11	11°24	29° 3	M12
T 13	1 23 57	19° 5'10	24°20	11°53	3°33	19°41	10°25	28°11	10°51	11°25	15°18	4°11	3° 8	11°31	29° 1	T 13
W14	1 27 54	20° 4'29	8 <b>) (</b> 45	13°10	4°37	20°18	10°38	28° 9	10°49	11°27	15°17	4° 7	3° 4	11°38	29° 0	W14
T 15	1 31 50	21° 3'49	23°12	14°25	5°41	20°56	10°51	28° 7	10°48	11°29	15°16	4° 0	3° 1	11°44	28°58	T 15
F 16	1 35 47	22° 3'12	7 <b>Ƴ</b> 35	15°39	6°46	21°34	11° 3	28° 5	10°47	11°31	15°15	3°51	2°58	11°51	28°57	F 16
S 17	1 39 44	23° 2'36	21°48	16°52	7°51	22°11	11°16	28° 4	10°45	11°33	15°14	3°40	2°55	11°58	28°55	S 17
S 18	1 43 40	24° 2'02	5 <b>8</b> 46	18° 2	8°56	22°49	11°29	28° 2	10°44	11°36	15°13	3°28	2°52	12° 4	28°54	S 18
M19	1 47 37	25° 1'31	19°23	19°11	10° 1	23°26	11°42	28° 1	10°42	11°38	15°12	3°16	2°48	12°11	28°53	M19
T 20	1 51 33	26° 1'02	2Д38	20°18	11° 7	24° 4	11°55	27°59	10°41	11°40	15°11	3° 5	2°45	12°18	28°51	T 20
W21	1 55 30	27° 0'35	15°29	21°23	12°13	24°41	12° 8	27°58	10°39	11°42	15°10	2°57	2°42	12°24	28°50	W21
T 22	1 59 26	28° 0'10	27°59	22°25	13°20	25°19	12°20	27°57	10°37	11°44	15° 9	2°52	2°39	12°31	28°49	T 22
F 23	2 3 23	28°59'47	109511	23°25	14°26	25°57	12°33	27°56	10°36	11°46	15° 8	2°49	2°36	12°38	28°48	F 23
S 24	2 7 19	29°59'27	22°10	24°21	15°33	26°34	12°46	27°55	10°34	11°49	15° 6	2°48	2°33	12°44	28°47	S 24
S 25	2 11 16	0 <b>M</b> 59'09	4 <b>Ω</b> 0	25°15	16°40	27°12	12°58	27°54	10°32	11°51	15° 5	2°48	2°29	12°51	28°46	S 25
M26	2 15 13	1°58'53	15°47	26° 5	17°47	27°49	13°11	27°53	10°31	11°53	15° 4	2°48	2°26	12°58	28°45	M26
T 27	2 19 9	2°58'39	27°38	26°51	18°54	28°27	13°24	27°53	10°29	11°55	15° 3	2°46	2°23	13° 4	28°44	T 27
W28	2 23 6	3°58'28	9 <b>m</b> )36	27°33	20° 2	29° 4	13°36	27°52	10°27	11°57	15° 2	2°42	2°20	13°11	28°44	W28
T 29	2 27 2	4°58'19	21°47	28°10	21°10	29°42	13°49	27°52	10°25	11°59	15° 1	2°35	2°17	13°17	28°43	T 29
F 30	2 30 59	5°58'11	4 <b>₽</b> 14	28°42	22°18	0 <b>ჲ</b> 19	14° 1	27°51	10°23	12° 1	15° 0	2°26	2°14	13°24	28°42	F 30
S 31	2 34 55	6ML58'06	16 <b>≏</b> 58	29M 8	23 Mp 26	0 <b>ჲ</b> 57	14 <b>≏</b> 14	27≈51	10Ⅲ21	12 <b>♀</b> 3	14 <b>8</b> 59	2 <b>Ω</b> 14	$2\Omega 10$	13 <b>£</b> 31	28≈42	S 31

Day	0	D	ğ	Q	♂ <sup>1</sup>	4	ħ	)Å(	并	Р	r c	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	cl decl	decl lat
T 1 F 2 S 3	2 s53 3 16 3 39	5 13 3 55			8n 8 1n13 7 53 1 13 7 39 1 13	2s 6 1n 6 2 11 1 6 2 16 1 6	13 30 1 39		3 1 1 27		18n55 19n 18 57 19 18 59 19	19 18 13	5 s 48 6 n 15 5 49 6 15 5 50 6 15
S 4 M 5 T 6 W 7 T 8 F 9	5 35 5 57	8 8 5 3 12 15 4 55 15 50 4 32 18 38 3 53 20 24 3 0	12 56 1 13 13 32 1 20 14 8 1 22 14 43 1 34 15 17 1 4	3 12 9 1 2 0 11 53 0 56 7 11 38 0 50 4 11 22 0 44 1 11 6 0 39	7 24 1 13 7 10 1 13 6 55 1 13 6 41 1 13 6 26 1 13	2 26 1 6 2 31 1 6 2 36 1 6 2 41 1 6 2 46 1 6	13 32 1 39 13 33 1 39 13 34 1 39 13 35 1 39 13 36 1 39	22 0 0 5 21 59 0 5 21 59 0 5 21 59 0 5 21 59 0 5	3 4 1 27 3 5 1 27 3 5 1 27 3 6 1 27 3 7 1 27	0 59 16 7 0 59 16 7 0 59 16 8 0 58 16 8 0 58 16 8	19 5 19 19 7 19 19 9 19 19 11 19 19 11 19		5 53 6 14 5 54 6 13 5 55 6 13 5 56 6 13
S 10 S 11 M12 T 13 W14 T 15 F 16	6 43 7 6 7 28 7 51 8 13 8 35	20 15 0 44 18 13 0s31 15 3 1 45 10 57 2 52 6 12 3 49 1 8 4 30	16 54 2 17 24 2 17 54 2 18 22 2 19 18 49 2 23	4 10 32 0 28 1 10 14 0 23 7 9 56 0 17 3 9 38 0 12 9 9 19 0 7 5 9 0 0 2	5 57 1 13 5 42 1 13 5 27 1 13 5 13 1 13 4 58 1 13 4 43 1 13 4 28 1 13	3 2 1 6 3 7 1 6 3 12 1 6 3 17 1 6 3 22 1 6	13 37 1 39 13 38 1 39 13 38 1 39 13 39 1 39 13 40 1 39 13 40 1 39	21 58 0 5 21 58 0 5	3 9 1 27 3 10 1 27 3 11 1 27 3 12 1 27 3 12 1 27 3 13 1 27	0 57 16 8 0 57 16 8 0 56 16 8 0 56 16 8 0 55 16 9 0 55 16 9	19 12 19 19 12 19 19 12 19 19 12 19 19 13 19 19 14 19 19 17 19	25 18 4 26 18 3 27 18 2 27 18 1 28 18 0 29 17 59	
S 17 S 18 M19 T 20 W21 T 22 F 23	10 45	8 42 5 1 12 55 4 49 16 23 4 22 18 57 3 43 20 31 2 53	20 48 2 49	5 8 20 0 8 0 8 0 0 13 5 7 40 0 17 9 7 19 0 22 2 6 57 0 26	4 13 1 13 3 59 1 14 3 44 1 14 3 29 1 14 3 14 1 14 2 59 1 14 2 44 1 14	3 27 1 6 3 32 1 6 3 37 1 6 3 41 1 6 3 46 1 6 3 51 1 6 3 56 1 6	13 41 1 38 13 42 1 38 13 42 1 38 13 42 1 38 13 43 1 38	21 58 0 5 21 57 0 5 21 56 0 5	3 15 1 27 3 16 1 27 3 17 1 27 3 17 1 27 3 18 1 27	0 54 16 9 0 54 16 9 0 54 16 9 0 53 16 9 0 53 16 9	19 19 19 19 22 19 19 25 19 19 27 19 19 29 19 19 30 19 19 31 19	30 17 57 31 17 56 32 17 55 33 17 54 33 17 53	6 3 6 10 6 4 6 9 6 5 6 9 6 6 6 9 6 7 6 8 6 7 6 8 6 8 6 8
S 24 S 25 M26 T 27 W28 T 29 F 30 S 31	11 49 12 9 12 30	19 21	22 12 3 2 22 24 3 3 22 34 3 3	0 5 52 0 39 2 5 30 0 43 3 5 7 0 47 3 4 44 0 51 2 4 21 0 55 1 3 57 0 59	2 29 1 14 2 14 1 14 1 59 1 14 1 45 1 14 1 30 1 14 1 15 1 14 1 0 1 14 0n45 1n13	4 11 1 6 4 16 1 7 4 21 1 7 4 25 1 7 4 30 1 7	13 43 1 38 13 44 1 38 13 44 1 37 13 44 1 37 13 44 1 37	21 56 0 5 21 56 0 5 21 56 0 5 21 55 0 5	3 21 1 27 3 21 1 27 3 22 1 27 3 23 1 27 3 24 1 27 3 25 1 27	0 52 16 9 0 52 16 10 0 51 16 10 0 51 16 10 0 51 16 10 0 50 16 10 0 50 16 10 0 050 16 510	19 31 19 19 32 19 19 33 19 19 34 19 19 36 19	35 17 50 36 17 49 37 17 48 38 17 47 38 17 46 39 17 45	6 9 6 7 6 9 6 7 6 10 6 6 6 11 6 6 6 12 6 5 6 13 6 5 6 13 6 14

Julian Day Number = 2492359.5, Delta T = 98.90 sec Ecliptic obliquity =  $23^{\circ}25'25$ , Nutation = -  $0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}18'06$ , Lahiri =  $25^{\circ}25'06$ 

NOVEMBER 2111 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)Å(	¥	Р	₽.	Ω	Ç	Ŷ,	Day
S 1	2 38 52	7 <b>11</b> L58'03	OM 1	29 <b>TL</b> 27	24 Mp 35	1 <b>≏</b> 34	14 <u>₽</u> 26	27°R51	10°R19	12 <b>º</b> 5	14°R58	2°R 1	2 <b>0</b> 7	13 <b>Ω</b> 37	28°R41	S 1
M 2	2 42 48	8°58'02	13°21	29°40	25°43	2°12	14°39	27°D51	10 <b>Ⅱ</b> 17	12° 7	14 <b>8</b> 57	1 <b>Ω</b> 48	2° 4	13°44	28≈41	M 2
T 3	2 46 45	9°58'03	26°56	29°R44	26°52	2°49	14°51	27≈51	10°15	12°10	14°55	1°36	2° 1	13°51	28°40	T 3
W 4	2 50 41	10°58'06	10 <b>∡</b> 142	29°41	28° 1	3°27	15° 3	27°51	10°13	12°12	14°54	1°26	1°58	13°57	28°40	W 4
T 5	2 54 38	11°58'10	24°37	29°28	29°10	4° 4	15°16	27°51	10°11	12°14	14°53	1°19	1°54	14° 4	28°40	T 5
F 6	2 58 35	12°58'16	8 <b>궁</b> 37	29° 7	0 <b>ჲ</b> 19	4°41	15°28	27°52	10° 9	12°16	14°52	1°15	1°51	14°11	28°39	F 6
S 7	3 2 31	13°58'24	22°41	28°35	1°29	5°19	15°40	27°52	10° 6	12°18	14°51	1°13	1°48	14°17	28°39	S 7
S 8	3 6 28	14°58'33	6≈46	27°54	2°38	5°56	15°52	27°53	10° 4	12°19	14°50	1°D13	1°45	14°24	28°39	S 8
M 9	3 10 24	15°58'44	20°51	27° 4	3°48	6°33	16° 4	27°53	10° 2	12°21	14°49	1°R13	1°42	14°31	28°D39	M 9
T 10	3 14 21	16°58'56	4 <b>) (</b> 57	26° 5	4°58	7°11	16°17	27°54	10° 0	12°23	14°48	1°12	1°39	14°37	28°39	T 10
W11	3 18 17	17°59'09	19° 1	24°57	6° 8	7°48	16°29	27°55	9°57	12°25	14°46	1° 9	1°35	14°44	28°39	W11
T 12	3 22 14	18°59'24	3 <b>Υ</b> 2	23°44	7°18	8°25	16°40	27°56	9°55	12°27	14°45	1° 3	1°32	14°51	28°40	T 12
F 13	3 26 10	19°59'40	16°58	22°26	8°29	9° 3	16°52	27°57	9°53	12°29	14°44	0°54	1°29	14°57	28°40	F 13
S 14	3 30 7	20°59'58	0 <b>8</b> 45	21° 6	9°39	9°40	17° 4	27°58	9°50	12°31	14°43	0°43	1°26	15° 4	28°40	S 14
S 15	3 34 4	22° 0'18	14°20	19°47	10°50	10°17	17°16	28° 0	9°48	12°33	14°42	0°31	1°23	15°10	28°40	S 15
M16	3 38 0	23° 0'39	27°39	18°30	12° 0	10°54	17°28	28° 1	9°46	12°34	14°41	0°19	1°20	15°17	28°41	M16
T 17	3 41 57	24° 1'02	10 <b>Ⅱ</b> 40	17°19	13°11	11°32	17°39	28° 2	9°43	12°36	14°40	0° 9	1°16	15°24	28°41	T 17
W18	3 45 53	25° 1'27	23°23	16°16	14°22	12° 9	17°51	28° 4	9°41	12°38	14°39	0° 1	1°13	15°30	28°42	W18
T 19	3 49 50	26° 1'53	59549	15°23	15°33	12°46	18° 2	28° 6	9°38	12°40	14°38	299556	1°10	15°37	28°42	T 19
F 20	3 53 46	27° 2'22	17°59	14°40	16°45	13°23	18°14	28° 8	9°36	12°42	14°36	29°53	1° 7	15°44	28°43	F 20
S 21	3 57 43	28° 2'52	29°57	14° 9	17°56	14° 0	18°25	28°10	9°34	12°43	14°35	29°D52	1° 4	15°50	28°44	S 21
S 22	4 1 39	29° 3'23	11 <b>Ω</b> 47	13°49	19° 8	14°38	18°37	28°12	9°31	12°45	14°34	29°52	1° 0	15°57	28°45	S 22
M23	4 5 36	0 <b>渘</b> 3'57	23°35	13°D41	20°19	15°15	18°48	28°14	9°29	12°47	14°33	29°53	0°57	16° 4	28°45	M23
T 24	4 9 33	1° 4'32	5 <b>m</b> 25	13°44	21°31	15°52	18°59	28°16	9°26	12°48	14°32	29°R53	0°54	16°10	28°46	T 24
W25	4 13 29	2° 5'09	17°24	13°58	22°43	16°29	19°10	28°18	9°24	12°50	14°31	29°52	0°51	16°17	28°47	W25
T 26	4 17 26	3° 5'47	29°36	14°21	23°55	17° 6	19°21	28°21	9°21	12°51	14°30	29°48	0°48	16°24	28°48	T 26
F 27	4 21 22	4° 6'28	12 <b>º</b> 6	14°53	25° 7	17°43	19°32	28°23	9°19	12°53	14°29	29°42	0°45	16°30	28°49	F 27
S 28	4 25 19	5° 7'09	24°57	15°33	26°19	18°20	19°43	28°26	9°16	12°55	14°28	29°35	0°41	16°37	28°51	S 28
S 29	4 29 15	6° 7'53	8 <b>M</b> .11	16°19	27°31	18°57	19°54	28°28	9°14	12°56	14°27	29°25	0°38	16°44	28°52	S 29
M30	4 33 12	7 <b>.₹</b> 8'38	21 <b>M</b> 47	17 <b>M</b> .13	28 <b>≏</b> 43	19 <b>≏</b> 34	20 <b>♀</b> 5	28≈31	9 <b>Ⅱ</b> 11	12 <b>≏</b> 58	14826	299516	0⋒35	$16\Omega 50$	28≈53	M30

Day	0	D	ğ	φ	ď	4	ħ	)Å(	¥	Р	ล เ	ð Č	Š,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl d	ecl decl	decl lat
S 1	14s 9		0 22 s51 2 s54		0n30 1n13	4s40 1n 7		21n54 0s 5		0n49 16s10			6s14 6n 4
M 2	14 29		4 22 49 2 49		0 15 1 13	4 44 1 7		21 54 0 5		0 49 16 10			6 14 6 3
T 3	14 48		2 22 44 2 43		0 0 1 13	4 49 1 7		21 53 0 5		0 49 16 10			
W 4	15 6	-	4 22 36 2 35		0s15 1 13	4 54 1 7				0 48 16 10			
T 5			1 22 24 2 26		0 30 1 13	4 58 1 7				0 48 16 10			
F 6	-	21 12 1 5			0 44 1 13					0 48 16 10			
S 7	16 1	20 47 0 4	5 21 50 2 3	0 43 1 25	0 59 1 13	5 8 1 7	13 43 1 37	21 52 0 5	3 31 1 27	0 48 16 10	19 52 19	45 17 36	6 17 6 1
S 8	16 19	19 3 0s2	9 21 27 1 49	0 17 1 28	1 14 1 13			21 52 0 5	3 32 1 27	0 47 16 10			
M 9	16 37				1 29 1 13	5 17 1 7				0 47 16 10			
T 10	16 54		9 20 29 1 16		1 44 1 13	-		21 51 0 5		0 47 16 10			
W1 1	17 11		5 19 55 0 57		1 58 1 13			21 51 0 5		0 46 16 10			
T 12	17 27	2 53 4 2			2 13 1 13			21 51 0 5			19 55 19		
F 13	17 44		3 18 38 0 17		2 28 1 13	5 35 1 8		21 50 0 5		0 46 16 10			
S 14	18 0	7 0 5	2 17 58 On 4	2 16 1 42	2 43 1 13	5 39 1 8	13 40 1 36	21 50 0 5	3 36 1 28	0 46 16 10	19 59 19	50 17 28	6 19 5 58
S 15	18 15	11 27 4 5	4 17 17 0 24	2 41 1 44	2 57 1 13	5 44 1 8	13 40 1 36	21 50 0 5	3 36 1 28	0 45 16 10	20 2 19	50 17 27	6 20 5 58
M16	18 31	15 15 4 2	9 16 37 0 44	3 7 1 46	3 12 1 13	5 48 1 8	13 39 1 36	21 49 0 5	3 37 1 28	0 45 16 9	20 4 19	51 17 26	6 20 5 58
T 17	18 46	18 13 3 5	1 15 59 1 3	3 33 1 48	3 26 1 13	5 52 1 8	13 38 1 35	21 49 0 5	3 38 1 28	0 45 16 9	20 6 19	52 17 25	6 20 5 57
W18	-		2 15 25 1 20		3 41 1 13				3 38 1 28			52 17 24	6 20 5 57
T 19			5 14 55 1 35		3 56 1 13						20 9 19		
F 20			3 14 29 1 49		4 10 1 12			21 48 0 5			20 10 19		6 21 5 56
S 21	19 43	20 9 On	0 14 9 2 0	5 17 1 54	4 25 1 12	6 9 1 9	13 36 1 35	21 47 0 5	3 40 1 28	0 44 16 9	20 10 19	55 17 20	6 21 5 55
S 22	19 56	18 15 1	3 13 55 2 10	5 42 1 55	4 39 1 12	6 14 1 9	13 35 1 35	21 47 0 5	3 41 1 28	0 44 16 9	20 10 19	55 17 19	6 21 5 55
M23	20 9	15 36 2	4 13 45 2 17	6 8 1 56	4 53 1 12	6 18 1 9	13 34 1 35	21 47 0 5	3 42 1 28	0 44 16 9	20 10 19	56 17 18	6 21 5 55
T 24	20 22	12 17 2 5	9 13 41 2 23	6 34 1 57	5 8 1 12	6 22 1 9	13 33 1 35	21 46 0 5	3 42 1 28	0 43 16 9	20 10 19	57 17 17	6 21 5 54
W25	20 34	8 27 3 4	7 13 41 2 27	7 0 1 58	5 22 1 12	6 26 1 9	13 32 1 35	21 46 0 5	3 43 1 28	0 43 16 9	20 10 19	57 17 15	6 21 5 54
1	20 46	4 13 4 2	5 13 46 2 29	7 25 1 59	5 36 1 12	6 30 1 9	13 31 1 35	21 46 0 5	3 43 1 28	0 43 16 8	20 11 19	58 17 14	6 21 5 53
F 27	20 57	0s18 4 5	2 13 54 2 30		5 51 1 12	6 34 1 9	13 30 1 34	21 45 0 5	3 44 1 28	0 43 16 8	20 12 19	59 17 13	6 21 5 53
S 28	21 8	4 55 5	5 14 6 2 29	8 16 2 1	6 5 1 12	6 38 1 10	13 29 1 34	21 45 0 5	3 44 1 28	0 43 16 8	20 14 19	59 17 12	6 21 5 53
S 29	21 19	9 27 5	3 14 21 2 28	8 42 2 1	6 19 1 12	6 42 1 10	13 28 1 34	21 45 0 5	3 45 1 28	0 43 16 8	20 15 20	0 17 11	6 21 5 52
M30	21 s29	13 s38 4n4	3 14 s38 2n25	9s 7 2n 2	6 s33 1n12	6 s 4 6 1 n 1 0	13 s27 1 s34	21n44 0s 5	3 s45 1n28	0n43 16s 8	20n17 20n	1 17n 9	6s21 5n52

Julian Day Number = 2492390.5, Delta T = 98.94 sec Ecliptic obliquity = 23°25'24, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}18'10$ , Lahiri =  $25^{\circ}25'11$ 

DECEMBER 2111 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	24	ħ	)∤(	¥	В	R	Ω	Ç	ķ	Day
T 1	4 37 8	8 <b>%</b> 9'24	5 <b>×</b> 743	18 <b>M</b> J1	29₽56	20₽11	20₽15	28≈34	9°R 8	12 <b>£</b> 59	14°R25	29°R 7	0€32	16 <b>Ω</b> 57	28≈54	T 1
W 2	4 41 5	9°10'12	19°55	19°14	1M 8	20°48	20°26	28°37	9II 6	13° 0	14824	29 K / 29 S 0	0°29	17° 4	28°56	W 2
T 3	4 45 2	10°11'00	4 <b>궁</b> 18	20°21	2°21	21°25	20°36	28°40	9° 3	13° 2	14°23	28°55	0°26	17°10	28°57	T 3
F 4	4 48 58	11°11'50	18°45	21°32	3°33	22° 2	20°47	28°43	9° 1	13° 3	14°22	28°53	0°22	17°17	28°59	F 4
S 5	4 52 55	12°12'41	3≈11	22°46	4°46	22°39	20°57	28°47	8°58	13° 5	14°21	28°D52	0°19	17°23	29° 0	S 5
S 6	4 56 51	13°13'33	17°33	24° 2	5°59	23°16	21° 7	28°50	8°56	13° 6	14°20	28°53	0°16	17°30	29° 2	S 6
M 7	5 0 48	14°14'25	1 <b>) (</b> 47	25°21	7°12	23°53	21°17	28°53	8°53	13° 7	14°19	28°55	0°13	17°37	29° 4	M 7
T 8	5 4 44	15°15'19	15°52	26°42	8°24	24°30	21°27	28°57	8°51	13° 8	14°18	28°R55	0°10	17°43	29° 6	T 8
W 9	5 8 41	16°16'12	29°47	28° 4	9°37	25° 7	21°37	29° 1	8°48	13°10	14°17	28°54	0° 6	17°50	29° 7	W 9
T 10	5 12 38	17°17'07	13 <b>Y</b> 31	29°28	10°50	25°44	21°47	29° 4	8°46	13°11	14°16	28°51	0° 3	17°57	29° 9	T 10
F 11	5 16 34	18°18'02	27° 4	0 <b>才</b> 52	12° 4	26°20	21°57	29° 8	8°43	13°12	14°15	28°47	0° 0	18° 3	29°11	F 11
S 12	5 20 31	19°18'58	10825	2°18	13°17	26°57	22° 6	29°12	8°41	13°13	14°14	28°40	29957	18°10	29°13	S 12
S 13	5 24 27	20°19'55	23°34	3°45	14°30	27°34	22°16	29°16	8°38	13°14	14°13	28°34	29°54	18°17	29°15	S 13
M14	5 28 24	21°20'53	6 <b>Ⅱ</b> 29	5°13	15°43	28°11	22°25	29°20	8°36	13°15	14°12	28°27	29°51	18°23	29°17	M14
T 15	5 32 20	22°21'51	19°11	6°41	16°57	28°47	22°35	29°24	8°33	13°17	14°12	28°21	29°47	18°30	29°19	T 15
W16	5 36 17	23°22'50	19540	8°10	18°10	29°24	22°44	29°28	8°31	13°18	14°11	28°16	29°44	18°37	29°22	W16
T 17	5 40 13	24°23'50	13°55	9°39	19°23	0 <b>m</b> 1	22°53	29°33	8°29	13°19	14°10	28°13	29°41	18°43	29°24	T 17
F 18	5 44 10	25°24'51	26° 0	11° 9	20°37	0°37	23° 2	29°37	8°26	13°20	14° 9	28°D12	29°38	18°50	29°26	F 18
S 19	5 48 7	26°25'53	7 <b>Ω</b> 55	12°39	21°51	1°14	23°11	29°42	8°24	13°20	14° 8	28°13	29°35	18°57	29°28	S 19
S 20	5 52 3	27°26'55	19°44	14° 9	23° 4	1°51	23°20	29°46	8°21	13°21	14° 7	28°14	29°32	19° 3	29°31	S 20
M21	5 56 0	28°27'59	1 <b>m</b> 31	15°40	24°18	2°27	23°28	29°51	8°19	13°22	14° 7	28°16	29°28	19°10	29°33	M21
T 22	5 59 56	29°29'03	13°21	17°11	25°32	3° 4	23°37	29°55	8°17	13°23	14° 6	28°18	29°25	19°17	29°36	T 22
W23	6 3 53	0 <b>궁</b> 30'08	25°19	18°43	26°45	3°40	23°45	0 <b>∺</b> 0	8°14	13°24	14° 5	28°R19	29°22	19°23	29°38	W23
T 24	6 7 49	1°31'13	7 <b>Ω</b> 29	20°14	27°59	4°17	23°53	0° 5	8°12	13°25	14° 4	28°19	29°19	19°30	29°41	T 24
F 25	6 11 46	2°32'20	19°56	21°46	29°13	4°53	24° 1	0°10	8°10	13°25	14° 4	28°18	29°16	19°37	29°44	F 25
S 26	6 15 42	3°33'27	2 <b>M</b> .45	23°18	0 <b>∡</b> 127	5°30	24° 9	0°15	8° 8	13°26	14° 3	28°15	29°12	19°43	29°46	S 26
S 27	6 19 39	4°34'35	15°58	24°51	1°41	6° 6	24°17	0°20	8° 6	13°27	14° 2	28°12	29° 9	19°50	29°49	S 27
M28	6 23 36	5°35'44	29°38	26°23	2°55	6°43	24°25	0°25	8° 3	13°27	14° 2	28° 8	29° 6	19°56	29°52	M28
T 29	6 27 32	6°36'53	13 <b>×</b> 743	27°56	4° 9	7°19	24°33	0°30	8° 1	13°28	14° 1	28° 5	29° 3	20° 3	29°55	T 29
W30	6 31 29	7°38'02	28°10	29°29	5°23	7°55	24°40	0°36	7°59	13°29	14° 1	28° 3	29° 0	20°10	29°57	W30
T 31	6 35 25	8 <b>ට</b> 39'12	12 <b>る</b> 54	1중 3	6 <b>₹</b> 37	8M32	24 <b>≏</b> 47	0 <b>∺</b> 41	7 <b>Ⅱ</b> 57	13 <b>≏</b> 29	148 0	289 1	28957	20 <b>Ω</b> 16	0 <b>∺</b> 0	T 31

Day	0	D	ğ	Q.	ð	4	ħ	)Å(	卉	Р	N i	U €	ķ
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl d	ecl decl	decl lat
W 2 T 3 F 4	21 58 22 6	19 49 3 14 21 13 2 9 21 13 0 54	-	8 9 57 2 2 7 3 10 22 2 2 7 8 10 46 2 3 7	s47 1n11 1 1 11 15 1 11 29 1 11	6 57 1 10 7 1 1 10	13 25 1 34 13 24 1 34 13 23 1 34		3 s46 1n28 3 47 1 28 3 47 1 28 3 48 1 28	0 42 16 7 0 42 16 7	20 21 20 20 22 20 20 22 20	2 17 7 3 17 6 3 17 4	6s21 5n51 6 21 5 51 6 21 5 51 6 21 5 50
	22 22	17 8 1 39 13 27 2 49 9 3 3 47 4 14 4 31		6 11 35 2 2 7 0 11 59 2 2 8 3 12 22 2 2 8 6 12 46 2 2 8	10 1 11	7 9 1 11 7 12 1 11 7 16 1 11 7 19 1 11	13 20 1 34 13 19 1 34 13 18 1 33 13 16 1 33			0 42 16 7 0 42 16 7 0 42 16 6 0 42 16 6	20 22 20 20 22 20 20 22 20 20 22 20 20 22 20 20 23 20	5 17 2 5 17 1 6 17 0 7 16 58	6 20 5 50 6 20 5 49 6 20 5 49 6 20 5 49 6 20 5 48 6 19 5 48
F 11 S 12	22 55 23 0 23 4	5 36 5 10 10 8 5 4	18 59 1 22 19 24 1 14	2 13 32 2 1 9 4 13 54 2 0 9	4 1 10	7 26 1 11 7 30 1 12	13 13 1 33 13 12 1 33	21 40 0 5 21 40 0 5 21 39 0 5	3 51 1 29 3 51 1 29 3 51 1 29	0 42 16 6 0 41 16 6	20 23 20 20 25 20 20 26 20	8 16 56 9 16 55	6 19 5 47 6 19 5 47 6 18 5 47
M14 T 15 W16 T 17 F 18	23 8 23 12 23 15 23 18	17 21 4 5 19 43 3 17 21 5 2 20 21 25 1 17 20 44 0 12	20 11 1 0 20 33 0 52 20 55 0 4 21 16 0 3' 21 37 0 36	0 14 39 1 58 9 2 15 0 1 57 9 4 15 22 1 56 10 7 15 43 1 55 10	44 1 9 57 1 9 11 1 9 24 1 9 37 1 9	7 36 1 12 7 40 1 12 7 43 1 12 7 46 1 12 7 49 1 13	13 9 1 33 13 7 1 33 13 6 1 33 13 4 1 33 13 3 1 33	21 39 0 4 21 39 0 4 21 38 0 4 21 38 0 4	3 52 1 29 3 52 1 29 3 53 1 29 3 53 1 29 3 53 1 29 3 54 1 29	0 41 16 5 0 41 16 5 0 41 16 5 0 41 16 5 0 41 16 4	20 27 20 20 29 20 20 30 20 20 30 20	10 16 52 11 16 51 12 16 49 12 16 48 13 16 47	6 18 5 46 6 18 5 46 6 17 5 46 6 17 5 45 6 16 5 45 6 16 5 44
M21 T 22 W23 T 24 F 25	23 24 23 25 23 25 23 25 23 25 23 24 23 23	13 37 2 53 9 58 3 43 5 54 4 24 1 33 4 54 2 s 59 5 12	22 32 0 7 22 48 0 0	0 17 22 1 49 11 7 17 41 1 47 11 4 17 59 1 46 11 1 18 16 1 44 12	2 1 8 15 1 8 28 1 8 40 1 8 53 1 7 5 1 7 17 1 7	7 58 1 13 8 1 1 13 8 4 1 14 8 7 1 14 8 10 1 14	12 58 1 32 12 56 1 32 12 54 1 32 12 52 1 32 12 51 1 32	21 36 0 4 21 36 0 4		0 41 16 4 0 42 16 3 0 42 16 3 0 42 16 3 0 42 16 3	20 29 20 20 29 20	15 16 43 16 16 42 16 16 40 17 16 39	6 15 5 44 6 15 5 44 6 14 5 43 6 14 5 43 6 13 5 43 6 13 5 42 6 12 5 42
T 29 W30	23 21 23 18 23 15 23 12 23 s 8	15 41 4 29 18 47 3 41 20 47 2 38	24 3 0 40 24 11 0 4	0 19 7 1 39 12 7 19 22 1 37 12 3 19 38 1 35 13	30 1 7 42 1 7 54 1 6 6 1 6 s18 1n 6	8 18 1 15 8 21 1 15 8 23 1 15	12 45 1 32 12 43 1 32 12 41 1 32	21 34 0 4 21 34 0 4 21 34 0 4 21 33 0 4 21n33 0s 4	3 56 1 30 3 56 1 30 3 56 1 30 3 56 1 30 3 s56 1 n30	0 42 16 2 0 42 16 1	20 30 20 20 31 20 20 32 20 20 32 20 20n33 20	19 16 34 20 16 32 21 16 31	6 11 5 42 6 11 5 41 6 10 5 41 6 9 5 41 6s 9 5n40

Julian Day Number = 2492420.5, Delta T = 98.98 sec Ecliptic obliquity =  $23^{\circ}25'24$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $26^{\circ}18'14$ , Lahiri =  $25^{\circ}25'15$