

# Astrodienst Ephemeris Tables for the year 2009

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 2009 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	) <del>/</del> (	¥	Р	S.	Ω	Ç	ę,	Day
T 1	6 43 7	10 <b>る</b> 42'00	29≈46	29 <b>궁</b> 29	27≈15	3 <b>る</b> 31	28 <b>궁</b> 55	21°R46	19 <b>)</b> 14	22≈26	1 <b>る</b> 15	9≈27	10≈58	29 <b>х</b> 43	18 <b>≈</b> 21	T 1
F 2	6 47 4	11°43'10	12 <b>)</b> 7	0≈44	28°21	4°16	29° 9	21 Mp 46	19°16	22°28	1°18	9°29	10°55	29°49	18°25	F 2
S 3	6 51 0	12°44'20	24°45	1°56	29°26	5° 2	29°23	21°46	19°18	22°30	1°20	9°31	10°51	29°56	18°29	S 3
S 4	6 54 57	13°45'30	7 <b>Υ</b> 41	3° 3	0 <b>¥</b> 31	5°47	29°37	21°45	19°20	22°31	1°22	9°R32	10°48	0중 3	18°32	S 4
M 5	6 58 53	14°46'40	21° 1	4° 5	1°36	6°32	29°51	21°45	19°21	22°33	1°24	9°32	10°45	0° 9	18°36	M 5
T 6	7 2 50	15°47'49	4846	5° 2	2°40	7°18	0 📚 5	21°44	19°23	22°35	1°26	9°31	10°42	0°16	18°40	T 6
W 7	7 6 46	16°48'57	18°58	5°51	3°44	8° 3	0°19	21°44	19°25	22°37	1°28	9°28	10°39	0°23	18°44	W 7
T 8	7 10 43	17°50'06	3П34	6°33	4°48	8°48	0°33	21°43	19°27	22°39	1°30	9°26	10°36	0°29	18°48	T 8
F 9	7 14 40	18°51'14	18°30	7° 6	5°52	9°34	0°47	21°42	19°29	22°41	1°33	9°23	10°32	0°36	18°52	F 9
S 10	7 18 36	19°52'22	3939	7°29	6°55	10°19	1° 1	21°41	19°31	22°43	1°35	9°20	10°29	0°43	18°56	S 10
S 11	7 22 33	20°53'29	18°52	7°43	7°58	11° 5	1°15	21°40	19°33	22°45	1°37	9°18	10°26	0°49	19° 0	S 11
M12	7 26 29	21°54'36	3 <b>Ω</b> 57	7°R45	9° 0	11°50	1°29	21°39	19°36	22°47	1°39	9°D17	10°23	0°56	19° 4	M12
T 13	7 30 26	22°55'43	18°47	7°36	10° 2	12°36	1°43	21°38	19°38	22°49	1°41	9°17	10°20	1° 3	19° 8	T 13
W14	7 34 22	23°56'49	3 <b>m</b> 15	7°14	11° 4	13°22	1°57	21°36	19°40	22°51	1°43	9°18	10°16	1° 9	19°12	W14
T 15	7 38 19	24°57'55	17°16	6°42	12° 5	14° 7	2°11	21°35	19°42	22°53	1°45	9°19	10°13	1°16	19°16	T 15
F 16	7 42 16	25°59'01	0 <u>ჲ</u> 50	5°58	13° 6	14°53	2°25	21°33	19°45	22°55	1°47	9°21	10°10	1°23	19°20	F 16
S 17	7 46 12	27° 0'07	13°58	5° 3	14° 7	15°39	2°40	21°32	19°47	22°57	1°49	9°22	10° 7	1°29	19°25	S 17
S 18	7 50 9	28° 1'12	26°42	4° 0	15° 7	16°25	2°54	21°30	19°49	22°59	1°51	9°R22	10° 4	1°36	19°29	S 18
M19	7 54 5	29° 2'18	9 <b>M</b> 6	2°50	16° 6	17°11	3° 8	21°28	19°52	23° 2	1°53	9°22	10° 1	1°43	19°33	M19
T 20	7 58 2	0≈ 3'23	21°15	1°35	17° 5	17°57	3°22	21°26	19°54	23° 4	1°55	9°21	9°57	1°50	19°37	T 20
W21	8 1 58	1° 4'27	3 <b>∡</b> 14	0°18	18° 4	18°43	3°36	21°24	19°57	23° 6	1°57	9°20	9°54	1°56	19°41	W21
T 22	8 5 5 5	2° 5'32	15° 5	29る 1	19° 2	19°29	3°50	21°22	19°59	23° 8	1°59	9°19	9°51	2° 3	19°46	T 22
F 23	8 9 5 1	3° 6'35	26°54	27°46	20° 0	20°15	4° 5	21°19	20° 2	23°10	2° 1	9°18	9°48	2°10	19°50	F 23
S 24	8 13 48	4° 7'39	8 <b>국</b> 43	26°35	20°57	21° 1	4°19	21°17	20° 4	23°12	2° 3	9°17	9°45	2°16	19°54	S 24
S 25	8 17 45	5° 8'41	20°35	25°30	21°53	21°47	4°33	21°14	20° 7	23°15	2° 5	9°17	9°42	2°23	19°58	S 25
M26	8 21 41	6° 9'43	2≈32	24°32	22°49	22°33	4°47	21°12	20°10	23°17	2° 7	9°16	9°38	2°30	20° 3	M26
T 27	8 25 38	7°10'44	14°36	23°42	23°44	23°19	5° 1	21° 9	20°12	23°19	2° 9	9°D16	9°35	2°36	20° 7	T 27
W28	8 29 34	8°11'44	26°49	23° 1	24°39	24° 5	5°16	21° 6	20°15	23°21	2°11	9°16	9°32	2°43	20°11	W28
T 29	8 33 31	9°12'43	9 <b>)</b> 12	22°29	25°33	24°51	5°30	21° 4	20°18	23°23	2°12	9°R17	9°29	2°50	20°16	T 29
F 30	8 37 27	10°13'40	21°48	22° 6	26°26	25°38	5°44	21° 1	20°21	23°26	2°14	9°16	9°26	2°56	20°20	F 30
S 31	8 41 24	11≈14'37	<b>4℃</b> 37	21 <b>궁</b> 51	27 <b>米</b> 19	26 <b>궁</b> 24	5≈58	20 <b>m</b> 58	20 <b>)</b> 24	23≈28	2 <b>ප</b> 16	9≈16	9≈22	3 <b>궁</b> 3	20≈24	S 31

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S 3	22 50	1n20	3 44	20 59		12 56	1 21			20 41	0 25	5 9	2 3	4 56		14 21		17 45				26 49	9 25	6 9
S 4	22 44		-	20 33	1 7	-	1 17			20 38	0 25	5 10	2 4	4 55		14 20			-	17 52			9 25	6 9
M 5				20 8 19 42	0 55	12 2 11 35	1 13 1 8	<ul><li>24 1</li><li>23 59</li></ul>		20 35 20 32	0 25 0 25	5 10 5 11	2 4 2 4	4 54 4 53		14 20 14 19	0 21 0 21	17 45 17 45		17 52 17 52		26 48	9 24 9 23	6 9
W 7		-		19 42	0 30					20 32	0 25	5 11	2 4	4 53		14 19	0 21	17 45	-			26 46	9 23	6 8
T 8	22 15	25 34	-	18 53	0 15	10 40		23 54	0 46	20 27	0 25	5 12	2 5	4 52	0 45	14 18	0 21	17 45		17 54			9 21	6 8
F 9				18 29	0n 1			23 52		20 24	0 25	5 12	2 5	4 51		14 17	0 21	17 45		17 54			9 20	6 8
	21 58			18 7	0 17	9 44		23 49		20 21	0 25	5 13	2 5	4 50		14 17				17 55			9 19	6 8
	21 49 21 39		-	17 47 17 29	0 34 0 53	9 16 8 48		23 45 23 42		20 18 20 15	0 25 0 25	5 14 5 14	2 6	4 49 4 48		14 16 14 15	0 21 0 21	17 45 17 45	-	17 56 17 56			9 18 9 17	6 8
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	21 19	,		17 1	1 30	7 51			0 48		0 26	5 16	2 6	4 47	0 45	14 14	0 21	17 45		17 56			9 15	6 7
T 15	21 8				1 49	7 22		23 30	0 49		0 26	5 17	2 7	4 46		-	0 21	17 45	-	17 55			9 14	6 7
F 16 S 17	20 57 20 45		-	16 44 16 40	2 7 2 24	6 53 6 25		23 26 23 21	0 49	20 2 19 59	0 26 0 26	5 18 5 18	2 7 2 7	4 45 4 44		14 13 14 12	0 21	17 45 17 45	-	17 55 17 55			9 13 9 12	6 7
S 18	20 33			16 39	2 40					19 56	0 26	5 19	2 7	4 43		14 11		17 45	-			26 38	9 10	
M19	20 33			16 41	2 55	5 56 5 27		23 11	0 50		0 26	5 20	2 8	4 43		14 11			-	17 55			9 10	6 6
T 20	20 8	23 4	5 10		3 7	4 58			0 51		0 26	5 21	2 8	4 41		14 10				17 55			9 8	6 6
W21	19 55			16 53	-	4 29		22 59		19 46	0 26	5 23	2 8	4 40			0 21					26 36	9 7	6 6
T 22 F 23	19 42		4 18	17 11	3 25 3 30	4 0 3 32		22 53 22 47		19 43 19 40	0 26 0 26	5 24 5 25	2 8 2 9	4 39	-		0 21 0 21	17 45 17 45	-	17 55 17 56		26 35 26 34	9 6	6 5
S 24			2 42		3 32	3 3		22 40		19 37	0 26	5 26	2 9	4 37		-			-			26 33	9 4	6 5
S 25	18 59	23 33	1 42	17 34	3 32	2 34	0 43	22 34	0 54	19 33	0 27	5 27	2 9	4 36	0 44	14 6	0 21	17 45	5 41	17 56	17 49	26 33	9 2	6 5
M26	-	-	0 37	17 46	3 30	2 5		22 26		19 30	0 27	5 28	2 9	4 35	0 44	14 6	0 21	17 45	5 41	17 56	17 50	26 32	9 1	6 5
T 27				17 58	3 26	1 37		22 19		19 27	0 27	5 30	2 10	4 33		-	0 21	17 45	-	17 56			9 0	6 5
W28 T 29	18 13 17 57			18 11 18 23	3 21 3 13	1 8 0 40	1 5 1 13			19 23 19 20	0 27 0 27	5 31 5 32	2 10 2 10	4 32 4 31			0 21 0 21	17 45 17 45		17 56 17 56		26 30 26 29	8 59 8 58	6 5
F 30	17 41	-		18 35	3 5	0 11		21 56		19 16	0 27	5 34	2 10	4 30			0 21	17 45		17 56			8 56	6 5
S 31	17 s24	5n50	4n21	18 s46	2n56	0n17	1n28	21 s47	0s56	19s13	0  s 27	5n35	2n11	4 s29	0 s44	14s 2	0 s21	17 s44	5n41	17 s56	17 s54	26 s27	8 s 5 5	6n 4

 $\label{eq:Julian Day Number = 2454832.5, Delta T = 65.78 sec} \\ Ecliptic obliquity = 23°26'23, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°51'58, Lahiri = 23°58'58 \\ \\$ 

FEBRUARY 2009 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)મ(	并	Р	r	v	Ç	ę,	Day
S 1	8 45 20	12≈15'32	17 <b>Ƴ</b> 41	21°D45	28 <b>米</b> 11	27 <b>궁</b> 10	6≈12	20°R54	20 <b>米</b> 26	23≈30	2 <b>ප</b> 18	9°R16	9≈19	3 <b>ਰ</b> 10	20≈29	S 1
M 2	8 49 17	13°16'26	1 <b>8</b> 3	21 <b>궁</b> 47	29° 2	27°56	6°27	20 <b>m</b> 51	20°29	23°32	2°20	9 <b>≈</b> 16	9°16	3°16	20°33	M 2
T 3	8 53 14	14°17'19	14°42	21°55	29°52	28°43	6°41	20°48	20°32	23°35	2°21	9°D16	9°13	3°23	20°38	T 3
W 4	8 57 10	15°18'11	28°41	22°11	0 <b>Υ</b> 42	29°29	6°55	20°45	20°35	23°37	2°23	9°16	9°10	3°30	20°42	W 4
T 5	9 1 7	16°19'01	12 <b>Ⅱ</b> 57	22°33	1°30	0≈16	7° 9	20°41	20°38	23°39	2°25	9°16	9° 7	3°36	20°46	T 5
F 6	9 5 3	17°19'49	27°30	23° 1	2°18	1° 2	7°23	20°38	20°41	23°41	2°27	9°17	9° 3	3°43	20°51	F 6
S 7	9 9 0	18°20'37	129514	23°34	3° 5	1°49	7°37	20°34	20°44	23°44	2°28	9°18	9° 0	3°50	20°55	S 7
S 8	9 12 56	19°21'22	27° 5	24°12	3°51	2°35	7°51	20°30	20°47	23°46	2°30	9°18	8°57	3°56	21° 0	S 8
M 9	9 16 53	20°22'07	11 <b>Ω</b> 54	24°54	4°36	3°22	8° 5	20°27	20°50	23°48	2°32	9°R18	8°54	4° 3	21° 4	M 9
T 10	9 20 49	21°22'49	26°35	25°40	5°19	4° 8	8°19	20°23	20°53	23°50	2°33	9°18	8°51	4°10	21° 8	T 10
W11	9 24 46	22°23'31	11 <b>m</b> y 1	26°30	6° 2	4°55	8°33	20°19	20°56	23°53	2°35	9°17	8°48	4°16	21°13	W11
T 12	9 28 43	23°24'11	25° 5	27°24	6°44	5°41	8°47	20°15	20°59	23°55	2°36	9°15	8°44	4°23	21°17	T 12
F 13	9 32 39	24°24'50	8 <b>≏</b> 45	28°20	7°24	6°28	9° 1	20°11	21° 3	23°57	2°38	9°13	8°41	4°30	21°22	F 13
S 14	9 36 36	25°25'28	22° 1	29°20	8° 3	7°14	9°15	20° 7	21° 6	24° 0	2°39	9°11	8°38	4°36	21°26	S 14
S 15	9 40 32	26°26'05	4 <b>M</b> .51	0≈22	8°41	8° 1	9°29	20° 3	21° 9	24° 2	2°41	9° 9	8°35	4°43	21°30	S 15
M16	9 44 29	27°26'40	17°21	1°27	9°18	8°48	9°43	19°58	21°12	24° 4	2°42	9° 8	8°32	4°50	21°35	M16
T 17	9 48 25	28°27'14	29°33	2°33	9°53	9°34	9°57	19°54	21°15	24° 6	2°44	9°D 8	8°28	4°56	21°39	T 17
W18	9 52 22	29°27'48	11 <b>×</b> 32	3°42	10°27	10°21	10°11	19°50	21°19	24° 9	2°45	9° 8	8°25	5° 3	21°43	W18
T 19	9 56 18	0 <b>∺</b> 28'19	23°24	4°53	10°59	11°8	10°25	19°46	21°22	24°11	2°46	9° 9	8°22	5°10	21°48	T 19
F 20	10 0 15	1°28'50	5 <b>る</b> 12	6° 6	11°30	11°55	10°38	19°41	21°25	24°13	2°48	9°11	8°19	5°16	21°52	F 20
S 21	10 4 12	2°29'19	17° 2	7°21	11°59	12°41	10°52	19°37	21°28	24°16	2°49	9°13	8°16	5°23	21°56	S 21
S 22	10 8 8	3°29'47	28°57	8°37	12°27	13°28	11° 6	19°32	21°32	24°18	2°50	9°14	8°13	5°30	22° 1	S 22
M23	10 12 5	4°30'13	11≈ 1	9°55	12°53	14°15	11°19	19°28	21°35	24°20	2°52	9°R15	8° 9	5°36	22° 5	M23
T 24	10 16 1	5°30'38	23°16	11°14	13°17	15° 2	11°33	19°23	21°38	24°22	2°53	9°14	8° 6	5°43	22° 9	T 24
W25	10 19 58	6°31'01	5 <b>)</b> 45	12°35	13°39	15°49	11°47	19°19	21°42	24°25	2°54	9°11	8° 3	5°50	22°14	W25
T 26	10 23 54	7°31'22	18°28	13°57	13°59	16°36	12° 0	19°14	21°45	24°27	2°55	9° 8	8° 0	5°56	22°18	T 26
F 27	10 27 51	8°31'42	1 <b>Υ</b> 25	15°20	14°18	17°22	12°14	19° 9	21°48	24°29	2°57	9° 3	7°57	6° 3	22°22	F 27
S 28	10 31 47	9 <b>)</b> (31'59	14 <b>Y</b> 36	16≈45	14 <b>Y</b> 34	18 <b>≈</b> 9	12≈27	19 <b>m</b> 5	21 <b>米</b> 52	24≈31	2 <b>る</b> 58	8≈58	7≈53	6 <b>ප</b> 10	22≈27	S 28

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S 1	17 s 7	11n29 4n55	18 s 57 2 n 4 6	0n45 1n36 2	21 s39 0 s56	19s10 0s27	5n37 2n11	4 s28 0 s44	14s 1 0s21	17 s44 5n41	17 s56	17 s55	26 s27	8 s 5 4	6n 4
M 2	16 50	16 45 5 14	19 7 2 35	5 1 13 1 45 2	21 30 0 57	19 6 0 27	5 38 2 11	4 27 0 44	14 1 0 21	17 44 5 41	17 56	17 56	26 26	8 52	6 4
T 3		21 17 5 16					5 39 2 11	4 26 0 44			17 56			8 51	6 4
W 4			19 25 2 13			18 59 0 27	5 41 2 11	4 24 0 44			17 56			8 50	6 4
T 5			19 33 2 2			18 56 0 28	5 43 2 12		13 58 0 21		17 56			8 49	6 4
F 6			19 40 1 50			18 52 0 28	5 44 2 12	-	13 58 0 21		17 56		26 22	8 47	6 4
S 7	15 20	25 17 2 25	19 46 1 39	3 29 2 28 2	20 43 0 59	18 49 0 28	5 46 2 12	4 21 0 44	13 57 0 21	17 44 5 41	17 56	18 0	26 21	8 46	6 4
S 8	15 1	21 51 1 7	19 51 1 27			18 45 0 28	5 47 2 12	4 20 0 44	13 56 0 21		17 56	-	26 20	8 45	6 4
M 9			19 54 1 16			18 42 0 28	5 49 2 12		13 55 0 21		17 56	-	26 19	8 43	6 4
T 10	_	-	19 57 1 5			18 38 0 28	5 51 2 13		13 55 0 21		17 56		26 18	8 42	6 4
W11	14 3	4 52 2 47				18 35 0 28	5 52 2 13		13 54 0 21			-	26 17	8 41	6 4
T 12	13 43		19 59 0 43			18 31 0 28	5 54 2 13		13 53 0 21		17 56		26 16	8 39	6 4
F 13	13 23					18 27 0 28	5 56 2 13		13 52 0 21		17 57		26 16	8 38	6 4
S 14	13 3	13 14 5 2	19 56 0 22	2 6 27 3 33	19 27 1 1	18 24 0 29	5 58 2 13	4 12 0 44	13 52 0 21	17 44 5 41	17 58	18 0	26 15	8 37	6 4
S 15	12 42		19 52 0 12			18 20 0 29	5 59 2 14	-			17 58	-	26 14	8 35	6 4
M16	12 22				19 3 1 2		6 1 2 14				17 58	-	26 13	8 34	6 4
T 17		24 53 4 56			18 51 1 2		6 3 2 14		13 49 0 22		17 58		26 12	8 33	6 4
	11 40				18 39 1 3		6 5 2 14		13 49 0 22		17 58			8 31	6 4
T 19	11 18		19 27 0 25		18 27 1 3		6 7 2 14				17 58	-		8 30	6 4
F 20 S 21	10 57	26 17 2 57 24 20 1 59			-		6 9 2 14 6 10 2 14	-	13 47 0 22 13 47 0 22		17 58 17 57	-		8 28 8 27	6 4
															0 4
S 22			18 55 0 50			17 55 0 29	6 12 2 15		13 46 0 22		17 57			8 26	6 4
M23			18 41 0 57		17 35 1 4		6 14 2 15		13 45 0 22		17 57	-		8 24	6 4
T 24	9 29		18 27 1 5		17 21 1 4		6 16 2 15		13 44 0 22		17 57	-		8 23	6 4
W25	9 7	7 13 2 21	-			17 44 0 30	6 18 2 15		13 44 0 22		17 57	-		8 21	6 4
T 26 F 27	8 45		17 53 1 18				6 20 2 15				17 58	-		8 20	6 4
S 28	8 22	-					6 22 2 15		13 42 0 22			18 17		8 19	6 4
5 2 6	8s 0	10n 8 4n45	17s15 1s30	11n11 5n55	10820 18 6	17 s33 0 s30	6n24 2n15	3 s54 0 s44	13 s41 0 s22	17 s42 5n42	18 s 1	16818	208 U	8s17	6n 4

 $\label{eq:Julian Day Number = 2454863.5, Delta T = 65.80 sec} \\ Ecliptic obliquity = 23°26'23, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'02, Lahiri = 23°59'02 \\$ 

MARCH 2009 00:00 UT

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Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ	)ф(	¥	Р	n	Ω	Ç	Š,	Day
S 1	10 35 44	10 <b>)</b> 32'15	28 <b>Y</b> 0	18 <b>≈</b> 11	14 <b>Y</b> 49	18≈56	12≈41	19°R 0	21 <b>米</b> 55	24≈33	2 <b>る</b> 59	8°R53	7≈50	6 <b>ප</b> 16	22≈31	S 1
M 2	10 39 40	11°32'29	11836	19°38	15° 1	19°43	12°54	18 <b>m</b> 55	21°59	24°36	3° 0	8 <b>≈</b> 49	7°47	6°23	22°35	M 2
T 3	10 43 37	12°32'41	25°23	21° 6	15°11	20°30	13° 7	18°51	22° 2	24°38	3° 1	8°46	7°44	6°30	22°39	T 3
W 4	10 47 34	13°32'51	9∏20	22°36	15°18	21°17	13°21	18°46	22° 5	24°40	3° 2	8°D45	7°41	6°36	22°43	W 4
T 5	10 51 30	14°32'58	23°25	24° 6	15°24	22° 4	13°34	18°41	22° 9	24°42	3° 3	8°45	7°38	6°43	22°47	T 5
F 6	10 55 27	15°33'04	7939	25°38	15°27	22°51	13°47	18°36	22°12	24°44	3° 4	8°46	7°34	6°50	22°52	F 6
S 7	10 59 23	16°33'07	21°58	27°11	15°R27	23°38	14° 0	18°32	22°16	24°47	3° 5	8°48	7°31	6°56	22°56	S 7
S 8	11 3 20	17°33'09	6 <b>Ω</b> 21	28°45	15°25	24°25	14°13	18°27	22°19	24°49	3° 6	8°R49	7°28	7° 3	23° 0	S 8
M 9	11 7 16	18°33'08	20°43	0 <b>∺</b> 20	15°21	25°12	14°26	18°22	22°22	24°51	3° 7	8°48	7°25	7°10	23° 4	M 9
T 10	11 11 13	19°33'04	5Mp 0	1°57	15°14	25°59	14°39	18°17	22°26	24°53	3° 7	8°46	7°22	7°16	23° 8	T 10
W11	11 15 10	20°32'59	19°8	3°34	15° 5	26°46	14°52	18°12	22°29	24°55	3° 8	8°41	7°19	7°23	23°12	W11
T 12	11 19 6	21°32'52	3 <b>₾</b> 0	5°13	14°53	27°33	15° 5	18° 8	22°33	24°57	3° 9	8°35	7°15	7°30	23°16	T 12
F 13	11 23 3	22°32'43	16°34	6°52	14°38	28°20	15°17	18° 3	22°36	24°59	3°10	8°27	7°12	7°36	23°20	F 13
S 14	11 26 59	23°32'33	29°48	8°33	14°21	29° 6	15°30	17°58	22°40	25° 1	3°10	8°20	7° 9	7°43	23°24	S 14
S 15	11 30 56	24°32'20	12 <b>M</b> 40	10°15	14° 2	29°53	15°43	17°53	22°43	25° 3	3°11	8°12	7° 6	7°50	23°28	S 15
M16	11 34 52	25°32'06	25°12	11°59	13°40	0 <b>)(</b> 40	15°55	17°49	22°46	25° 5	3°12	8° 6	7° 3	7°56	23°32	M16
T 17	11 38 49	26°31'50	7 <b>.</b> ₹26	13°43	13°16	1°27	16° 8	17°44	22°50	25° 7	3°12	8° 2	6°59	8° 3	23°35	T 17
W18	11 42 45	27°31'32	19°27	15°29	12°50	2°14	16°20	17°39	22°53	25° 9	3°13	8° 0	6°56	8°10	23°39	W18
T 19	11 46 42	28°31'13	1 <b>云</b> 20	17°16	12°22	3° 1	16°33	17°35	22°57	25°11	3°14	8°D 0	6°53	8°16	23°43	T 19
F 20	11 50 38	29°30'52	13° 8	19° 4	11°52	3°48	16°45	17°30	23° 0	25°13	3°14	8° 0	6°50	8°23	23°47	F 20
S 21	11 54 35	0 <b>Υ</b> 30'29	24°59	20°54	11°21	4°35	16°57	17°25	23° 4	25°15	3°15	8° 2	6°47	8°30	23°51	S 21
S 22	11 58 32	1°30'04	6≈56	22°44	10°47	5°22	17° 9	17°21	23° 7	25°17	3°15	8°R 2	6°44	8°36	23°54	S 22
M23	12 2 28	2°29'38	19° 5	24°36	10°13	6° 9	17°21	17°16	23°10	25°19	3°15	8° 2	6°40	8°43	23°58	M23
T 24	12 6 25	3°29'09	1 <b>米</b> 30	26°30	9°37	6°56	17°33	17°12	23°14	25°21	3°16	7°59	6°37	8°50	24° 2	T 24
W25	12 10 21	4°28'39	14°12	28°24	9° 1	7°43	17°45	17° 7	23°17	25°23	3°16	7°54	6°34	8°56	24° 5	W25
T 26	12 14 18	5°28'07	27°13	0 <b>Y</b> 20	8°24	8°30	17°57	17° 3	23°21	25°25	3°17	7°46	6°31	9° 3	24° 9	T 26
F 27	12 18 14	6°27'33	10 <b>Y</b> 33	2°17	7°46	9°17	18° 9	16°59	23°24	25°27	3°17	7°37	6°28	9°10	24°12	F 27
S 28	12 22 11	7°26'56	24°10	4°15	7° 8	10° 4	18°20	16°54	23°27	25°28	3°17	7°27	6°25	9°16	24°16	S 28
S 29	12 26 7	8°26'18	8 <b>8</b> 1	6°14	6°31	10°51	18°32	16°50	23°31	25°30	3°17	7°17	6°21	9°23	24°19	S 29
M30	12 30 4	9°25'37	22° 1	8°14	5°53	11°38	18°43	16°46	23°34	25°32	<u>3°18</u>	7° 8	6°18	<u>9°30</u>	24°23	M30
T 31	12 34 1	10 <b>Y</b> 24'55	6 <b>I</b> 7	10 <b>Υ</b> 16	5 <b>℃</b> 17	12 <b>米</b> 25	18 <b>≈</b> 55	16 <b>M</b> /41	23 <b>米</b> 37	25≈34	3 <b>⋜</b> 18	7 <b>≈</b> 1	6≈15	9 <b>ප</b> 36	24≈26	T 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl la	at
S 1 M 2			16s54 1s3	6 11n26 6n 5 1 11 40 6 15		17 s29 0 s30 17 26 0 30	6n26 2n15 6 28 2 16	3 s53 0 s44 3 51 0 44		17 s42 5 n42 17 42 5 42	18 s 2	18 s 19			6n 4
T 3		20 13 3 12 23 57 4 59					6 30 2 16		13 40 0 22	17 42 5 42	-	18 20		-	6 4
W 4		26 17 4 29			-		6 32 2 16		13 38 0 22	17 42 5 42	-	18 21			6 4
T 5		26 59 3 42					6 34 2 16		13 38 0 22	17 42 5 42	-	18 22		-	6 5
F 6	5 42	25 55 2 42	14 50 1 5	8 12 26 6 54	14 57 1 7	17 11 0 31	6 35 2 16	3 46 0 44	13 37 0 22	17 42 5 42	18 4	18 23	25 54	8 9	6 5
S 7	5 18	23 8 1 30	14 21 2	2 12 35 7 3	14 42 1 7	17 7 0 31	6 37 2 16	3 44 0 44	13 36 0 22	17 42 5 43	18 4	18 23	25 53	8 7	6 5
S 8	4 55	18 54 0 13	13 51 2	5 12 42 7 12	14 27 1 7	17 4 0 31	6 39 2 16	3 43 0 44	13 36 0 22	17 42 5 43	18 3	18 24	25 52	8 6	6 5
M 9	4 32	13 34 1s 4	13 20 2	7 12 49 7 21	14 11 1 8	17 0 0 31	6 41 2 16	3 42 0 44	13 35 0 22	17 42 5 43	18 4	18 25	25 50	8 4	6 5
T 10	4 8	7 33 2 17	12 48 2	9 12 54 7 29	13 55 1 8	16 56 0 31	6 43 2 16	3 40 0 44	13 34 0 22	17 42 5 43	18 4	18 26	25 49	8 3	6 5
W11	3 45	1 13 3 21	12 14 2 1	1 12 57 7 37	13 40 1 8	16 53 0 32	6 45 2 16	3 39 0 44	13 34 0 22	17 41 5 43	18 5	18 27	25 48	8 2	6 5
T 12	3 21		11 39 2 1		13 24 1 8		6 47 2 16	3 38 0 44	13 33 0 22	17 41 5 43	-	18 27		8 0	6 5
F 13					13 7 1 8		6 49 2 16		13 32 0 22	17 41 5 43	-	18 28			6 6
S 14	2 34	16 9 5 5	10 26 2 1	4 12 59 7 58	12 51 1 8	16 42 0 32	6 51 2 16	3 35 0 44	13 32 0 22	17 41 5 43	18 11	18 29	25 45	7 57	6 6
S 15	2 10	20 31 5 8	9 47 2 1	4 12 57 8 4	12 35 1 9	16 38 0 32	6 53 2 16	3 34 0 44	13 31 0 22	17 41 5 43	18 13	18 30	25 43	7 56	6 6
M16	1 46	23 50 4 55	9 7 2 1	3 12 54 8 9	12 18 1 9	16 35 0 32	6 55 2 16	3 32 0 44	13 30 0 22	17 41 5 43	18 14	18 31	25 42	7 55	6 6
T 17	1 23	25 58 4 29	8 26 2 1		12 2 1 9	10 31 0 32	6 56 2 16	3 31 0 44	13 29 0 22	17 41 5 43	18 16	18 32	25 41	7 53	6 6
W18					11 45 1 9		6 58 2 16	3 29 0 44			18 16				6 6
T 19		26 31 3 5				16 24 0 33	7 0 2 16		13 28 0 22		18 16				6 6
F 20	0 12			7 12 24 8 23		16 20 0 33	7 2 2 16		13 28 0 22		18 16			, .,	6 7
S 21	0n12	22 17 1 10	5 30 2	4 12 13 8 24	10 54 1 9	16 17 0 33	7 4 2 16	3 25 0 44	13 27 0 22	17 40 5 44	18 16	18 35	25 36	7 48	6 7
S 22	0 36	18 38 0 6	4 44 2	1 12 0 8 25	10 37 1 10	16 13 0 33	7 6 2 16	3 24 0 44	13 26 0 22	17 40 5 44	18 15	18 36	25 35	7 46	6 7
M23	1 0	14 10 0n59	3 56 1 5	7 11 46 8 24	10 20 1 10	16 10 0 33	7 7 2 16	3 23 0 44	13 26 0 22	17 40 5 44	18 16	18 36	25 34	7 45	6 7
T 24	1 23	9 2 2 3			10 3 1 10	16 6 0 34	7 9 2 16	3 21 0 44	13 25 0 22		18 16			7 44	6 7
W25	1 47	3 26 3 1	2 17 1 4	8 11 14 8 21	9 45 1 10	16 3 0 34	7 11 2 16	3 20 0 44	13 24 0 22	17 40 5 44	18 18	18 38	25 31		6 8
T 26	2 10	2n27 3 52				15 59 0 34	7 13 2 16		13 24 0 22		18 20			,	6 8
F 27	2 34	8 20 4 31	0 34 1 3			15 56 0 34	7 14 2 16		13 23 0 22		18 22			,	6 8
S 28	2 57	13 57 4 56	0n19 1 3	0 10 19 8 9	8 52 1 10	15 52 0 34	7 16 2 16	3 16 0 44	13 23 0 22	17 40 5 44	18 25	18 40	25 28	7 38	6 8
S 29	3 21					15 49 0 34	7 18 2 16				18 27	-			6 9
M30	3 44					15 46 0 34	7 19 2 16		13 21 0 22		18 29	-	-		6 9
T 31	4n 7	25n42 4n26	3n 2 1s	7 9n16 7n49	7 s 59 1 s 10	15 s42 0 s35	7n21 2n16	3 s12 0 s44	13 s21 0 s22	17 s 39 5 n 45	18 s31	18 s43	25 s24	7 s34	6n 9

Julian Day Number = 2454891.5, Delta T = 65.83 sec Ecliptic obliquity = 23°26′23, Nutation = 0°00′14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52′06, Lahiri = 23°59′06

APRIL 2009 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)મું(	卉	В	u	v	Ç	Ŷ,	Day
W 1	12 37 57	11 <b>Y</b> 24'10	20耳16	12 <b>Y</b> 18	4°R41	13 <b>)</b> 12	19≈ 6	16°R37	23 <b>)</b> (41	25≈36	3 <b>ට</b> 18	6°R57	6≈12	9 <b>ප</b> 43	24≈29	W 1
T 2	12 41 54	12°23'22	49525	14°21	4 <b>Υ</b> 6	13°59	19°17	16 <b>m</b> 33	23°44	25°37	3°18	6≈55	6° 9	9°50	24°32	T 2
F 3	12 45 50	13°22'33	18°32	16°25	3°32	14°46	19°28	16°29	23°47	25°39	3°18	6°D55	6° 5	9°56	24°36	F 3
S 4	12 49 47	14°21'41	2 <b>Ω</b> 37	18°29	3° 0	15°33	19°39	16°25	23°50	25°41	3°18	6°R55	6° 2	10° 3	24°39	S 4
S 5	12 53 43	15°20'46	16°38	20°33	2°29	16°20	19°50	16°21	23°54	25°42	3°R18	6°55	5°59	10°10	24°42	S 5
M 6	12 57 40	16°19'49	0 <b>m</b> 34	22°37	2° 1	17° 6	20° 1	16°18	23°57	25°44	3°18	6°53	5°56	10°16	24°45	M 6
T 7	13 1 36	17°18'50	14°24	24°41	1°34	17°53	20°12	16°14	24° 0	25°45	3°18	6°48	5°53	10°23	24°48	T 7
W 8	13 5 33	18°17'49	28° 6	26°45	1° 9	18°40	20°22	16°10	24° 3	25°47	3°18	6°41	5°50	10°30	24°51	W 8
T 9	13 9 30	19°16'45	11 <b>≏</b> 36	28°47	0°47	19°27	20°33	16° 7	24° 7	25°49	3°18	6°31	5°46	10°36	24°54	T 9
F 10	13 13 26	20°15'40	24°53	0 <b>8</b> 49	0°26	20°14	20°43	16° 3	24°10	25°50	3°18	6°19	5°43	10°43	24°57	F 10
S 11	13 17 23	21°14'32	7 <b>M</b> 54	2°48	0° 9	21° 0	20°54	16° 0	24°13	25°52	3°17	6° 6	5°40	10°49	25° 0	S 11
S 12	13 21 19	22°13'23	20°38	4°46	29 <b>米</b> 53	21°47	21° 4	15°56	24°16	25°53	3°17	5°54	5°37	10°56	25° 3	S 12
M13	13 25 16	23°12'12	3 <b>√</b> 5	6°42	29°40	22°34	21°14	15°53	24°19	25°55	3°17	5°44	5°34	11° 3	25° 6	M13
T 14	13 29 12	24°10'59	15°17	8°35	29°30	23°20	21°24	15°50	24°22	25°56	3°17	5°36	5°31	11° 9	25° 8	T 14
W15	13 33 9	25° 9'44	27°18	10°25	29°21	24° 7	21°34	15°46	24°25	25°57	3°16	5°30	5°27	11°16	25°11	W15
T 16	13 37 5	26° 8'28	9 <b>궁</b> 10	12°11	29°16	24°54	21°44	15°43	24°28	25°59	3°16	5°27	5°24	11°23	25°14	T 16
F 17	13 41 2	27° 7'09	20°58	13°55	29°13	25°40	21°53	15°40	24°31	26° 0	3°16	5°26	5°21	11°29	25°16	F 17
S 18	13 44 59	28° 5'50	2≈49	15°34	29°D12	26°27	22° 3	15°38	24°34	26° 1	3°15	5°26	5°18	11°36	25°19	S 18
S 19	13 48 55	29° 4'28	14°47	17° 9	29°14	27°14	22°12	15°35	24°37	26° 3	3°15	5°26	5°15	11°43	25°21	S 19
M20	13 52 52	0 <b>8</b> 3'05	26°57	18°40	29°18	28° 0	22°21	15°32	24°40	26° 4	3°14	5°25	5°11	11°49	25°24	M20
T 21	13 56 48	1° 1'40	9 <b>∺</b> 26	20° 7	29°24	28°47	22°31	15°29	24°43	26° 5	3°14	5°21	5° 8	11°56	25°26	T 21
W22	14 0 45	2° 0'13	22°15	21°29	29°32	29°33	22°40	15°27	24°46	26° 6	3°13	5°15	5° 5	12° 3	25°28	W22
T 23	14 441	2°58'44	5 <b>Υ</b> 29	22°46	29°43	o <b>Υ</b> 20	22°49	15°24	24°49	26° 7	3°13	5° 6	5° 2	12° 9	25°31	T 23
F 24	14 8 38	3°57'14	19° 6	23°59	29°56	1° 6	22°57	15°22	24°52	26° 9	3°12	4°56	4°59	12°16	25°33	F 24
S 25	14 12 34	4°55'42	3 <b>8</b> 4	25° 6	0 <b>Υ</b> 10	1°53	23° 6	15°20	24°55	26°10	3°12	4°44	4°56	12°23	25°35	S 25
S 26	14 16 31	5°54'08	17°20	26° 9	0°27	2°39	23°15	15°17	24°58	26°11	3°11	4°32	4°52	12°29	25°37	S 26
M27	14 20 28	6°52'33	1 <b>Ⅱ</b> 48	27° 6	0°46	3°26	23°23	15°15	25° 0	26°12	3°10	4°21	4°49	12°36	25°39	M27
T 28	14 24 24	7°50'55	16°19	27°58	1° 6	4°12	23°31	15°13	25° 3	26°13	3°10	4°13	4°46	12°43	25°41	T 28
W29	14 28 21	8°49'16	09549	28°45	1°29	4°58	23°39	15°11	25° 6	26°14	3° 9	4° 7	4°43	12°49	25°43	W29
T 30	14 32 17	9847'34	159513	29826	1 <b>Y</b> 53	5 <b>℃</b> 45	23≈47	15 m 10	25 <b>米</b> 8	26≈15	3 <b>궁</b> 8	4≈ 5	4≈40	12 <b>る</b> 56	25≈45	T 30

Day	0	D	ğ	φ	o <sup>7</sup>	4	ħ	)Å(	并	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 dec	l decl	decl lat
W 1 T 2	4n31 4 54	26n46 3n42 26 6 2 44	3n57 0s59 4 53 0 50	8n54 7n40 8 31 7 31		15 s39 0 s35 15 36 0 35	7n22 2n16 7 24 2 16	3 s11 0 s44 3 10 0 44	13 s20 0 s22 13 20 0 22		18 s 32 18 s 4 18 33 18 4		7s33 6n 9 7 32 6 9
F 3 S 4	5 17 5 40	23 45 1 36 19 57 0 23		8 9 7 21 7 46 7 11		15 32 0 35 15 29 0 35	7 25 2 16 7 27 2 16		13 19 0 22 13 19 0 22		18 33 18 4 18 33 18 4		
S 5 M 6	6 3 6 25		7 42 0 21 8 39 0 10	7 24 7 0 7 2 6 48	6 29 1 10	15 26 0 36 15 22 0 36	7 28 2 16 7 30 2 16		13 18 0 22		18 33 18 4 18 33 18 4		
T 7 W 8	6 48 7 10	3 18 3 5 2s51 3 56	9 34 On 1	6 40 6 36 6 19 6 23	5 52 1 10	15 19 0 36 15 16 0 36	7 31 2 16 7 32 2 16	3 3 0 44 3 2 0 44	13 17 0 22	17 39 5 45	18 34 18 4 18 36 18 4	8 25 15	7 25 6 11 7 24 6 11
T 9 F 10	7 33 7 55	8 47 4 34 14 13 4 55	11 24 0 23 12 17 0 34	5 58 6 10 5 38 5 57	5 15 1 10 4 57 1 10	15 13 0 36 15 10 0 36	7 34 2 16 7 35 2 16	3 1 0 44 2 59 0 44	13 16 0 22 13 16 0 22	17 39 5 45 17 39 5 45	18 39 18 5 18 42 18 5	0 25 12 0 25 11	7 23 6 11 7 22 6 12
S 11 S 12	8 39				4 38 1 10 4 20 1 10	15 3 0 37	7 36 2 15 7 38 2 15		13 15 0 22 13 15 0 22	17 39 5 46	18 45 18 5 18 48 18 5	2 25 8	
M13 T 14 W15	9 1 9 23 9 44		15 36 1 19			15 0 0 37 14 57 0 37 14 54 0 37	7 39 2 15 7 40 2 15 7 41 2 15		13 14 0 22 13 14 0 22 13 13 0 22	17 38 5 46	18 50 18 5 18 52 18 5 18 54 18 5	4 25 5	7 18 6 12 7 17 6 13 7 16 6 13
T 16 F 17	10 6 10 27	25 22 2 15	17 4 1 39	3 55 4 36 3 41 4 22	3 6 1 10	14 54 0 37 14 51 0 38 14 48 0 38	7 41 2 13 7 42 2 15 7 43 2 15	2 52 0 44		17 38 5 46	18 54 18 5 18 55 18 5	5 25 3	7 15 6 13 7 14 6 14
S 18	10 48	19 45 0 14	18 23 1 58	3 29 4 8	2 29 1 10	14 46 0 38	7 44 2 15	2 50 0 44	13 12 0 23	17 38 5 46	18 55 18 5	7 25 0	7 12 6 14
S 19 M20 T 21	11 9 11 29 11 50	10 47 1 51	18 59 2 6 19 32 2 14 20 2 2 21		1 51 1 9	14 43 0 38 14 40 0 38 14 37 0 39	7 45 2 15 7 46 2 15 7 47 2 14	2 49 0 44 2 47 0 44 2 46 0 44		17 38 5 46	18 55 18 5 18 55 18 5 18 56 18 5	8 24 57	7 10 6 14
W22 T 23	12 10 12 30	0n18 3 41		2 48 3 15	1 14 1 9	14 34 0 39 14 32 0 39	7 48 2 14 7 49 2 14		13 10 0 23	17 38 5 46	18 57 19	9 24 36 0 24 54 1 24 53	7 8 6 15 7 7 6 15
F 24 S 25		11 56 4 49	21 18 2 37 21 39 2 41	2 34 2 50 2 28 2 37	0 37 1 9	14 29 0 39 14 26 0 39	7 50 2 14 7 50 2 14	2 43 0 44 2 42 0 44	13 10 0 23	17 38 5 46	19 2 19	1 24 51 2 24 50	7 6 6 16
S 26 M27		21 41 4 53 24 53 4 27	21 56 2 43 22 11 2 45	2 24 2 25 2 20 2 13	0n 0 1 9 0 19 1 8	1. 2. 0 .0	7 51 2 14 7 52 2 14	2 41 0 44 2 40 0 44				3 24 49 4 24 47	7 4 6 16 7 3 6 17
T 28 W29	14 8 14 26	<b>26 12 2</b> 46	22 24 2 45 22 34 2 45		0 38 1 8 0 56 1 8	14 16 0 40	7 52 2 13 7 53 2 13	2 39 0 44 2 37 0 44	13 8 0 23		19 14 19	4 24 46 5 24 44	7 1 6 17
T 30	14n45	24n12 1n38	22n41 2n43	2n16 1n39	1n15 1s 8	14s14 0s40	7n54 2n13	2 s36 0 s44	13 s 8 0 s 23	17s38 5n47	19s14 19s	6 24 s43	7s 0 6n18

 $\label{eq:Julian Day Number = 2454922.5, Delta T = 65.85 sec} \\ Ecliptic obliquity = 23°26'23, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'10, Lahiri = 23°59'11 \\ \\$ 

MAY 2009 00:00 UT

Day	Sid.t	0	)	ğ	Ş	♂	4	ħ	)∤(	卉	Р	u	S	Ç	ķ	Day
F 1	14 36 14	10845'50	299527	0 <b>I</b> 2	2 <b>Υ</b> 18	6 <b>Υ</b> 31	23≈55	15°R 8	25 <b>米</b> 11	26≈16	3°R 7	4°R 4	4≈36	13る 3	25≈47	F 1
S 2	14 40 10	11°44'05	13 <b>£</b> 30	0°33	2°46	7°17	24° 3	15 Mp 6	25°14	26°17	3중 7	4≈ 4	4°33	13° 9	25°49	S 2
S 3	14 44 7	12°42'17	27°22	0°58	3°14	8° 3	24°11	15° 5	25°16	26°17	3° 6	4° 3	4°30	13°16	25°50	S 3
M 4	14 48 3	13°40'27	11 Mp 2	1°18	3°45	8°49	24°18	15° 4	25°19	26°18	3° 5	4° 1	4°27	13°23	25°52	M 4
T 5	14 52 0	14°38'35	24°31	1°32	4°16	9°35	24°25	15° 2	25°21	26°19	3° 4	3°56	4°24	13°29	25°54	T 5
W 6	14 55 57	15°36'41	7 <b>≏</b> 49	1°41	4°50	10°22	24°32	15° 1	25°24	26°20	3° 3	3°49	4°21	13°36	25°55	W 6
T 7	14 59 53	16°34'45	20°56	1°R44	5°24	11° 8	24°39	15° 0	25°26	26°21	3° 2	3°39	4°17	13°43	25°57	T 7
F 8	15 3 50	17°32'48	3 <b>M</b> .51	1°43	6° 0	11°54	24°46	14°59	25°29	26°21	3° 1	3°27	4°14	13°49	25°58	F 8
S 9	15 7 46	18°30'48	16°34	1°37	6°37	12°40	24°53	14°58	25°31	26°22	3° 0	3°14	4°11	13°56	25°59	S 9
S 10	15 11 43	19°28'48	29° 4	1°25	7°15	13°25	24°59	14°57	25°33	26°23	2°59	3° 2	4° 8	14° 2	26° 1	S 10
M11	15 15 39	20°26'45	11 <b>×</b> 121	1°10	7°54	14°11	25° 6	14°57	25°36	26°23	2°58	2°51	4° 5	14° 9	26° 2	M11
T 12	15 19 36	21°24'42	23°27	0°50	8°34	14°57	25°12	14°56	25°38	26°24	2°57	2°43	4° 2	14°16	26° 3	T 12
W13	15 23 32	22°22'37	5 <b>云</b> 23	0°27	9°16	15°43	25°18	14°56	25°40	26°24	2°56	2°37	3°58	14°22	26° 4	W13
T 14	15 27 29	23°20'30	17°13	29 <b>8</b> 59	9°58	16°29	25°24	14°55	25°42	26°25	2°55	2°34	3°55	14°29	26° 5	T 14
F 15	15 31 26	24°18'22	29° 0	29°30	10°42	17°15	25°30	14°55	25°45	26°25	2°54	2°D33	3°52	14°36	26° 6	F 15
S 16	15 35 22	25°16'13	10≈50	28°59	11°26	18° 0	25°35	14°55	25°47	26°26	2°53	2°33	3°49	14°42	26° 7	S 16
S 17	15 39 19	26°14'03	22°47	28°25	12°11	18°46	25°41	14°D55	25°49	26°26	2°52	2°R33	3°46	14°49	26° 8	S 17
M18	15 43 15	27°11'51	4 <b>) (</b> 57	27°51	12°57	19°31	25°46	14°55	25°51	26°27	2°51	2°33	3°42	14°56	26° 9	M18
T 19	15 47 12	28° 9'39	17°26	27°16	13°44	20°17	25°51	14°55	25°53	26°27	2°50	2°31	3°39	15° 2	26°10	T 19
W20	15 51 8	29° 7'25	0 <b>Υ</b> 16	26°41	14°32	21° 3	25°56	14°55	25°55	26°27	2°48	2°27	3°36	15° 9	26°10	W20
T 21	15 55 5	0 <b>Ⅱ</b> 5'10	13°33	26° 7	15°20	21°48	26° 1	14°55	25°57	26°28	2°47	2°21	3°33	15°16	26°11	T 21
F 22	15 59 1	1° 2'54	27°17	25°34	16° 9	22°33	26° 5	14°56	25°59	26°28	2°46	2°13	3°30	15°22	26°12	F 22
S 23	16 2 58	2° 0'37	11827	25° 3	16°59	23°19	26°10	14°57	26° 1	26°28	2°45	2° 4	3°27	15°29	26°12	S 23
S 24	16 655	2°58'19	25°59	24°35	17°50	24° 4	26°14	14°57	26° 2	26°28	2°43	1°55	3°23	15°36	26°12	S 24
M25	16 10 51	3°55'59	10 <b>Ⅱ</b> 46	24° 9	18°41	24°49	26°18	14°58	26° 4	26°28	2°42	1°46	3°20	15°42	26°13	M25
T 26	16 14 48	4°53'39	25°40	23°46	19°33	25°35	26°22	14°59	26° 6	26°28	2°41	1°40	3°17	15°49	26°13	T 26
W27	16 18 44	5°51'17	10933	23°27	20°25	26°20	26°26	15° 0	26° 7	26°29	2°39	1°36	3°14	15°56	26°13	W27
T 28	16 22 41	6°48'53	25°18	23°12	21°18	27° 5	26°29	15° 1	26° 9	26°29	2°38	1°D34	3°11	16° 2	26°14	T 28
F 29	16 26 37	7°46'29	9 <b>Ω</b> 48	23° 1	22°12	27°50	26°33	15° 2	26°11	26°R29	2°37	1°34	3° 8	16° 9	26°14	F 29
S 30	16 30 34	8°44'02	24° 0	22°55	23° 6	28°35	26°36	15° 3	26°12	26°29	2°35	1°35	3° 4	16°16	26°R14	S 30
S 31	16 34 30	9 <b>Ⅱ</b> 41'35	7 <b>m</b> 54	22°D52	24 <b>Y</b> 1	29 <b>Y</b> 20	26≈39	15 <b>m</b> 5	26 <b>∺</b> 14	26≈29	2 <b>る</b> 34	1°R36	3≈ 1	16 <b>ට</b> 22	26≈14	S 31

Day	0	D	ğ	·	ď	24	ħ	)Å(	并	В	n	υ ţ	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
F 1 S 2	15n 3 15 21		22n46 2n40 22 49 2 36			14s11 0s41 14 9 0 41	7n54 2n13 7 55 2 13				19 s14 19 14 19	9 s 7 24 s41 9 7 24 40	6s59 6n18 6 58 6 18
S 3 M 4 T 5 W 6	15 39 15 57 16 14 16 31	4 37 3 2 1 s 24 3 5 3 7 1 5 4 3 1	22 42 2 17 22 36 2 8	2 22 0 57 2 25 0 47 2 29 0 37	2 10 1 7 2 28 1 7 2 47 1 7 3 5 1 6	14 4 0 41 14 2 0 41 14 0 0 42	7 55 2 13 7 55 2 13 7 56 2 12 7 56 2 12	2 32 0 44 2 31 0 44 2 30 0 44	13 6 0 23 13 6 0 23 13 6 0 23	17 37 5 47 17 37 5 47 17 37 5 47	19 18 1	9 9 24 37 9 10 24 35 9 10 24 34	6 57 6 19 6 56 6 19 6 56 6 20 6 55 6 20
T 7 F 8 S 9	16 48 17 4 17 20	-	22 27 1 58 22 16 1 47 22 2 1 35	2 40 0 19	3 23 1 6 3 41 1 6 4 0 1 6	13 56 0 42	7 56 2 12 7 57 2 12 7 57 2 12	2 30 0 44 2 29 0 44 2 28 0 44	13 6 0 23	17 37 5 47	19 23 1	9 11 24 32 9 12 24 31 9 13 24 29	6 54 6 20 6 53 6 21 6 52 6 21
S 10 M11 T 12 W13 T 14 F 15 S 16	17 52 18 7 18 22 18 37	26 3 3 57 26 28 3 12 25 39 2 19 23 40 1 21 20 40 0 19	21 11 0 53 20 51 0 37 20 29 0 21	3 2 0s 7 3 11 0 15 3 20 0 22 3 29 0 30 3 40 0 37	4 18 1 5 4 36 1 5 4 54 1 5 5 12 1 5 5 29 1 4 5 47 1 4 6 5 1 4	13 50 0 43 13 48 0 43 13 46 0 43 13 44 0 44 13 43 0 44	7 57 2 12 7 57 2 11 7 57 2 11	2 27 0 44 2 26 0 44 2 25 0 45 2 24 0 45 2 23 0 45 2 22 0 45 2 22 0 45	13 5 0 23 13 5 0 23 13 5 0 23 13 4 0 23 13 4 0 23	17 37 5 47 17 37 5 47	19 31 19 19 35 19 35 19 36 19 36 19	9 13 24 28 9 14 24 26 9 15 24 25 9 16 24 23 9 16 24 21 9 17 24 20 9 18 24 18	6 52 6 21 6 51 6 22 6 50 6 22 6 49 6 22 6 49 6 23 6 48 6 23 6 47 6 23
S 17 M18 T 19 W20 T 21 F 22 S 23	19 19 19 32 19 45 19 58 20 10 20 22 20 34	7 9 2 44 1 39 3 36 4n 3 4 18 9 46 4 49 15 13 5 3	18 28 1 6 18 4 1 23 17 40 1 40	4 14 0 58 4 26 1 4 4 39 1 10 4 52 1 16 5 6 1 22	6 23 1 3 6 40 1 3 6 58 1 3 7 15 1 2 7 32 1 2 7 50 1 1 8 7 1 1	13 36 0 45 13 35 0 45	7 57 2 10 7 57 2 10 7 56 2 10 7 55 2 9	2 21 0 45 2 20 0 45 2 19 0 45 2 19 0 45 2 18 0 45 2 17 0 45 2 16 0 45	13 4 0 23 13 4 0 23 13 4 0 23 13 4 0 23 13 4 0 23	17 37 5 47 17 37 5 47 17 37 5 47 17 37 5 47 17 37 5 47	19 35 19 19 36 19 19 37 19		6 47 6 24 6 46 6 24 6 46 6 25 6 45 6 25 6 44 6 25 6 44 6 26 6 43 6 26
W27 T 28 F 29 S 30	20 56 21 7 21 17 21 27 21 36	25 59 3 58 26 22 3 0 24 51 1 50 21 38 0 34 17 5 0 s44 11 40 1 58	16 33 2 26 16 13 2 40 15 56 2 53 15 40 3 4 15 26 3 15 15 14 3 24 15 4 3 32 14n57 3 s40	5 49 1 37 6 4 1 42 6 20 1 47 6 35 1 51 6 51 1 55 7 8 1 59 1	8 41 1 0 8 58 1 0 9 14 1 0 9 31 0 59 9 47 0 59 10 4 0 58	13 30 0 46 13 28 0 46 13 27 0 46 13 26 0 47 13 25 0 47 13 24 0 47 13 24 0 47 13 823 0 848	7 55 2 9 7 54 2 9 7 54 2 9 7 53 2 9 7 53 2 8 7 52 2 8 7 51 2 8 7n51 2n 8	2 16 0 45 2 15 0 45 2 14 0 45 2 14 0 45 2 13 0 45 2 12 0 45 2 12 0 45 2 11 0 0 45	13 4 0 23 13 3 0 23 13 3 0 23 13 3 0 23 13 3 0 23	17 37 5 47 17 38 5 47	19 49 1 19 48 1	9 25 24 4 9 25 24 2	6 43 6 26 6 42 6 27 6 42 6 27 6 42 6 28 6 41 6 28 6 41 6 28 6 40 6 29 6s40 6n29

Julian Day Number = 2454952.5, Delta T = 65.88 sec Ecliptic obliquity =  $23^{\circ}26'22$ , Nutation =  $0^{\circ}00'13$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}52'14$ , Lahiri =  $23^{\circ}59'15$ 

JUNE 2009 00:00 UT

Day	Sid.t	0	D	ğ	Ф	♂	4	ħ	)∤(	卉	Р	ß	Ω	Ç	Ŗ	Day
M 1	16 38 27	10 <b>Ⅱ</b> 39'05	21 <b>M</b> 30	22 <b>8</b> 54	24 <b>Y</b> 56	0 <b>ප</b> 5	26≈41	15 <b>m</b> ) 6	26 <b>¥</b> 15	26°R29	2°R33	1°R35	2≈58	16 <b>ට</b> 29	26°R14	M 1
T 2	16 42 24	11°36'35	4 <b>≏</b> 48	23° 1	25°51	0°50	26°44	15° 8	26°17	26≈28	2 <b>ප</b> 31	1≈33	2°55	16°36	26≈14	T 2
W 3	16 46 20	12°34'03	17°51	23°11	26°47	1°35	26°47	15°10	26°18	26°28	2°30	1°28	2°52	16°42	26°13	W 3
T 4	16 50 17	13°31'30	0 <b>M</b> .41	23°27	27°44	2°19	26°49	15°11	26°19	26°28	2°28	1°22	2°48	16°49	26°13	T 4
F 5	16 54 13	14°28'56	13°17	23°47	28°41	3° 4	26°51	15°13	26°21	26°28	2°27	1°14	2°45	16°55	26°13	F 5
S 6	16 58 10	15°26'21	25°42	24°11	29°38	3°49	26°53	15°15	26°22	26°28	2°25	1° 6	2°42	17° 2	26°12	S 6
S 7	17 2 6	16°23'45	7 <b>.7</b> 57	24°40	0 <b>8</b> 36	4°33	26°54	15°17	26°23	26°27	2°24	0°58	2°39	17° 9	26°12	S 7
M 8	17 6 3	17°21'08	20° 2	25°12	1°34	5°18	26°56	15°19	26°24	26°27	2°22	0°51	2°36	17°15	26°12	M 8
T 9	17 9 59	18°18'30	1 <b>る</b> 59	25°49	2°33	6° 2	26°57	15°22	26°25	26°27	2°21	0°46	2°33	17°22	26°11	T 9
W10	17 13 56	19°15'52	13°51	26°30	3°32	6°47	26°58	15°24	26°26	26°26	2°20	0°42	2°29	17°29	26°10	W10
T 11	17 17 53	20°13'13	25°39	27°15	4°31	7°31	26°59	15°27	26°27	26°26	2°18	0°D41	2°26	17°35	26°10	T 11
F 12	17 21 49	21°10'33	7≈26	28° 4	5°30	8°15	27° 0	15°29	26°28	26°26	2°17	0°41	2°23	17°42	26° 9	F 12
S 13	17 25 46	22° 7'52	19°16	28°57	6°30	9° 0	27° 1	15°32	26°29	26°25	2°15	0°42	2°20	17°49	26° 8	S 13
S 14	17 29 42	23° 5'11	1 <b>)</b> 14	29°53	7°31	9°44	27° 1	15°35	26°30	26°25	2°13	0°44	2°17	17°55	26° 7	S 14
M15	17 33 39	24° 2'30	13°24	0 <b>Ⅲ</b> 53	8°31	10°28	27°R 1	15°37	26°31	26°24	2°12	0°45	2°14	18° 2	26° 6	M15
T 16	17 37 35	24°59'48	25°51	1°57	9°32	11°12	27° 1	15°40	26°32	26°24	2°10	0°R46	2°10	18° 9	26° 5	T 16
W17	17 41 32	25°57'06	8 <b>Y</b> 39	3° 4	10°34	11°56	27° 1	15°43	26°32	26°23	2° 9	0°45	2° 7	18°15	26° 4	W17
T 18	17 45 28	26°54'24	21°53	4°15	11°35	12°40	27° 0	15°47	26°33	26°22	2° 7	0°43	2° 4	18°22	26° 3	T 18
F 19	17 49 25	27°51'41	5 <b>8</b> 34	5°29	12°37	13°24	27° 0	15°50	26°34	26°22	2° 6	0°39	2° 1	18°29	26° 2	F 19
S 20	17 53 22	28°48'58	19°43	6°47	13°39	14° 8	26°59	15°53	26°34	26°21	2° 4	0°35	1°58	18°35	26° 1	S 20
S 21	17 57 18	29°46'15	4 <b>Ⅱ</b> 17	8° 7	14°41	14°52	26°58	15°56	26°35	26°20	2° 3	0°30	1°54	18°42	26° 0	S 21
M22	18 1 15	09543'32	19°11	9°32	15°44	15°35	26°57	16° 0	26°35	26°20	2° 1	0°26	1°51	18°49	25°58	M22
T 23	18 5 11	1°40'49	49518	10°59	16°47	16°19	26°55	16° 4	26°36	26°19	2° 0	0°23	1°48	18°55	25°57	T 23
W24	18 9 8	2°38'05	19°26	12°30	17°50	17° 3	26°54	16° 7	26°36	26°18	1°58	0°22	1°45	19° 2	25°56	W24
T 25	18 13 4	3°35'20	$4\Omega$ 28	14° 4	18°53	17°46	26°52	16°11	26°36	26°17	1°57	0°D22	1°42	19° 8	25°54	T 25
F 26	18 17 1	4°32'35	19°15	15°41	19°57	18°29	26°50	16°15	26°37	26°17	1°55	0°22	1°39	19°15	25°53	F 26
S 27	18 20 58	5°29'49	3 <b>m</b> 43	17°21	21° 0	19°13	26°48	16°19	26°37	26°16	1°53	0°24	1°35	19°22	25°51	S 27
S 28	18 24 54	6°27'03	17°47	19° 4	22° 4	19°56	26°46	16°23	26°37	26°15	1°52	0°25	1°32	19°28	25°49	S 28
M29	18 28 51	7°24'16	1 <b>≏</b> 28	20°51	23° 8	20°39	26°43	16°27	26°37	26°14	1°50	0°R26	1°29	19°35	25°48	M29
T 30	18 32 47	8921'29	14 <b>≏</b> 45	22 <b>Ⅱ</b> 40	24 <b>8</b> 13	21823	26≈40	16 <b>M</b> 31	26 <b>)</b> 37	26≈13	1 <b>る</b> 49	0≈26	1≈26	19 <b>궁</b> 42	25≈46	T 30

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	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
M 1 T 2	22n 3 22 11	0s14 3s56 6 7 4 35		s45 7n41 2s 7		13 s22 0 s48 13 21 0 48	7n50 2n 8 7 49 2 8				19 s48 19 19 49 19		6 s 40 6 n 29 6 39 6 30
W 3	22 18		14 48 3	54 8 15 2 14		13 21 0 48	7 48 2 7	2 10 0 45	13 4 0 24	17 38 5 47	19 50 19	31 23 49	6 39 6 30
T 4	22 25					13 20 0 49	7 47 2 7		-		19 51 19		6 39 6 30
F 5 S 6	_			58     8     50     2     20       58     9     7     2     23		13 20 0 49 13 20 0 49	7 47 2 7 7 46 2 7		-		19 53 19 19 55 19		6 39 6 31 6 38 6 31
S 7 M 8	22 45 22 50			57 9 25 2 25 56 9 43 2 28		13 19 0 50 13 19 0 50	7 45 2 7 7 44 2 7	2 0 0 .5			19 57 19 19 58 19	-	6 38 6 32 6 38 6 32
T 9	22 55	25 55 2 29	15 26 3	54 10 1 2 30		13 19 0 50	7 43 2 6	2 7 0 45	13 4 0 24	17 38 5 47	19 59 19	36 23 39	6 38 6 32
W10	-	24 13 1 30				13 19 0 50	7 42 2 6					36 23 37	6 38 6 33
T 11 F 12	23 5 23 9	21 28 0 27 17 49 0n37				13 19 0 51 13 19 0 51	7 40 2 6 7 39 2 6					37 23 36 38 23 34	6 38 6 33 6 38 6 33
S 13						13 19 0 51	7 38 2 6					38 23 32	6 37 6 34
S 14 M15	23 16 23 18	8 33 2 39 3 15 3 32		30 11 31 2 39 23 11 49 2 40		13 19 0 51 13 19 0 52	7 37 2 6 7 36 2 5				20 0 19 19 59 19	39 23 30	6 37 6 34 6 37 6 34
T 16	23 21	2n17 4 17	1 .	15 12 7 2 41		13 19 0 32	7 34 2 5				19 59 19		6 37 6 35
W17	23 23		17 43 3			13 19 0 52	7 33 2 5				19 59 19		6 37 6 35
T 18	23 24	13 18 5 9	18 4 2	58 12 43 2 43	14 52 0 49	13 20 0 52	7 32 2 5	2 4 0 46	13 6 0 24	17 39 5 46	20 0 19	42 23 23	6 37 6 35
	-			49 13 1 2 44		13 20 0 53	7 30 2 5	2 4 0 46				43 23 22	6 38 6 36
S 20	23 26	22 24 4 55	18 49 2	39 13 19 2 44	15 19 0 48	13 21 0 53	7 29 2 5	2 4 0 46	13 7 0 24	17 39 5 46	20 2 19	43 23 20	6 38 6 36
S 21	23 26				15 33 0 47	13 21 0 53	7 27 2 4	2 4 0 46	13 7 0 24			44 23 18	
M22	-					13 22 0 54	7 26 2 4					45 23 16	6 38 6 37
T 23			19 59 2			13 23 0 54	7 24 2 4					46 23 15	6 38 6 37
W24	23 25					13 24 0 54	7 23 2 4					46 23 13	6 38 6 37
T 25 F 26	-				16 25 0 45		7 21 2 4	2 3 0 46				47 23 11	6 38 6 38
S 27	23 22 23 19	13 26 1 42 7 27 2 53			16 38 0 44 16 50 0 43	13 25 0 55 13 26 0 55	7 19 2 4 7 18 2 3	2 3 0 46 2 3 0 46				48 23 9 48 23 7	6 39 6 38 6 39 6 38
S 28 M29	23 17 23 14			10 15 38 2 45 58 15 54 2 44		13 27 0 55 13 29 0 55	7 16 2 3 7 14 2 3					49 23 6 50 23 4	6 39 6 38 6 39 6 39
	23 n11					13 s30 0 s56	7n13 2n 3				20 s 4 19		6s40 6n39

 $\label{eq:Julian Day Number = 2454983.5, Delta T = 65.90 sec} \\ Ecliptic obliquity = 23°26'22, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'19, Lahiri = 23°59'19} \\$ 

JULY 2009 00:00 UT

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Day	Sid.t	$\odot$	D	ğ	φ	♂	4	ħ	)∤(	卉	Р	n	Ω	Ç	Š,	Day
W 1	18 36 44	99518'42	27 <b>≏</b> 42	24 <b>II</b> 32	25 <b>8</b> 17	22 <b>8</b> 6	26°R37	16 <b>m</b> 35	26°R37	26°R12	1°R47	0°R25	1≈23	19 <b>る</b> 48	25°R44	W 1
T 2	18 40 40	10°15'54	10ML22	26°27	26°22	22°49	26≈34	16°39	26 <b>米</b> 37	26≈11	1 <b>3</b> 46	0≈23	1°20	19°55	25≈42	T 2
F 3	18 44 37	11°13'05	22°46	28°24	27°27	23°32	26°31	16°44	26°37	26°10	1°44	0°20	1°16	20° 2	25°40	F 3
S 4	18 48 33	12°10'17	4 <b>₹</b> 58	0923	28°32	24°14	26°28	16°48	26°37	26° 9	1°43	0°18	1°13	20° 8	25°38	S 4
S 5	18 52 30	13° 7'28	17° 1	2°25	29°37	24°57	26°24	16°53	26°37	26° 8	1°41	0°15	1°10	20°15	25°36	S 5
M 6	18 56 27	14° 4'40	28°57	4°29	0 <b>Ⅱ</b> 43	25°40	26°20	16°57	26°37	26° 7	1°40	0°13	1° 7	20°22	25°34	M 6
T 7	19 0 23	15° 1'51	10 <b>る</b> 48	6°34	1°48	26°23	26°16	17° 2	26°37	26° 6	1°38	0°11	1° 4	20°28	25°32	T 7
W 8	19 4 20	15°59'02	22°36	8°41	2°54	27° 5	26°12	17° 7	26°36	26° 5	1°37	0°10	1° 0	20°35	25°30	W 8
T 9	19 8 16	16°56'13	4≈24	10°49	4° 0	27°48	26° 8	17°12	26°36	26° 3	1°35	0°D10	0°57	20°42	25°28	T 9
F 10	19 12 13	17°53'25	16°14	12°58	5° 6	28°30	26° 4	17°17	26°36	26° 2	1°34	0°11	0°54	20°48	25°26	F 10
S 11	19 16 9	18°50'37	28° 8	15° 7	6°12	29°13	25°59	17°22	26°35	26° 1	1°32	0°12	0°51	20°55	25°24	S 11
S 12	19 20 6	19°47'49	10 <b>∺</b> 11	17°17	7°19	29°55	25°54	17°27	26°35	26° 0	1°31	0°13	0°48	21° 1	25°21	S 12
M13	19 24 2	20°45'01	22°25	19°26	8°25	0 <b>Ⅲ</b> 37	25°49	17°32	26°34	25°59	1°29	0°14	0°45	21° 8	25°19	M13
T 14	19 27 59	21°42'14	<b>4</b> Υ53	21°35	9°32	1°19	25°44	17°37	26°34	25°57	1°28	0°14	0°41	21°15	25°17	T 14
W15	19 31 56	22°39'28	17°41	23°44	10°39	2° 1	25°39	17°42	26°33	25°56	1°27	0°R15	0°38	21°21	25°14	W15
T 16	19 35 52	23°36'42	0 <b>8</b> 50	25°52	11°46	2°43	25°33	17°48	26°32	25°55	1°25	0°15	0°35	21°28	25°12	T 16
F 17	19 39 49	24°33'57	14°24	27°59	12°53	3°25	25°28	17°53	26°31	25°53	1°24	0°14	0°32	21°35	25° 9	F 17
S 18	19 43 45	25°31'13	28°24	$0\Omega$ 5	14° 1	4° 7	25°22	17°59	26°31	25°52	1°22	0°14	0°29	21°41	25° 7	S 18
S 19	19 47 42	26°28'29	12 <b>Ⅱ</b> 49	2° 9	15° 8	4°49	25°16	18° 4	26°30	25°51	1°21	0°13	0°26	21°48	25° 4	S 19
M20	19 51 38	27°25'46	27°36	4°12	16°16	5°31	25°10	18°10	26°29	25°49	1°20	0°13	0°22	21°55	25° 1	M20
T 21	19 55 35	28°23'04	12939	6°14	17°23	6°12	25° 4	18°15	26°28	25°48	1°18	0°13	0°19	22° 1	24°59	T 21
W22	19 59 31	29°20'22	27°49	8°14	18°31	6°54	24°58	18°21	26°27	25°47	1°17	0°D13	0°16	22° 8	24°56	W22
T 23	20 3 28	0 <b>Ω</b> 17'41	12 <b>N</b> 57	10°12	19°39	7°35	24°52	18°27	26°26	25°45	1°16	0°R13	0°13	22°15	24°53	T 23
F 24	20 7 25	1°15'00	27°55	12° 9	20°47	8°17	24°45	18°33	26°25	25°44	1°14	0°13	0°10	22°21	24°51	F 24
S 25	20 11 21	2°12'20	12 <b>m</b> /34	14° 4	21°55	8°58	24°39	18°39	26°24	25°42	1°13	0°13	0° 6	22°28	24°48	S 25
S 26	20 15 18	3° 9'40	26°50	15°58	23° 4	9°39	24°32	18°44	26°23	25°41	1°12	0°12	0° 3	22°35	24°45	S 26
M27	20 19 14	4° 7'00	10 <b>≏</b> 40	17°49	24°12	10°20	24°25	18°50	26°22	25°39	1°11	0°12	<u>0°</u> 0	22°41	24°42	M27
T 28	20 23 11	5° 4'21	24° 3	19°39	25°21	11° 1	24°18	18°57	26°21	25°38	1° 9	0°12	29 <b>궁</b> 57	22°48	24°40	T 28
W29	20 27 7	6° 1'43	7 <b>m</b> 1	21°28	26°29	11°42	24°11	19° 3	26°19	25°36	1° 8	0°D12	29°54	22°54	24°37	W29
T 30	20 31 4	6°59'05	19°38	23°14	27°38	12°23	24° 4	19° 9	26°18	25°35	1° 7	0°12	29°51	23° 1	24°34	T 30
F 31	20 35 0	$7\Omega$ 56'27	1 <b>∡</b> 757	$24\Omega 59$	28∏47	13 <b>II</b> 4	23≈57	19 <b>m</b> )15	26 <b>∺</b> 17	25≈33	1ਰ 6	0≈12	29 <b>궁</b> 47	23중 8	24≈31	F 31

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	decl	decl lat	decl la	at decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	el decl	decl lat
W 1 T 2	23n 7 23 3				3 17n38 0s41 2 17 50 0 40	13 s31 0 s56 13 32 0 56	7n11 2n 3	2s 3 0s46 2 3 0 46				1 23 s 0 2 22 58	6 s40 6 n39 6 40 6 40
F 3	22 58	23 10 4 5	2 23 15	0 10 16 58 2 4	1 18 1 0 39	0 13 34 0 56 0 13 35 0 57	7 7 2 3 7 5 2 2	2 3 0 46	13 11 0 24		20 5 19 5	3 22 56 3 22 55	6 41 6 40 6 41 6 40
S 5	22 48	26 24 3 3	7 23 37	0 12 17 29 2 3	9 18 23 0 38	3 13 36 0 57	7 3 2 2	2 3 0 46	13 11 0 24	17 42 5 44	20 6 19 5	22 53	6 42 6 40
M 6 T 7						7 13 38 0 57 7 13 40 0 57	7 1 2 2 7 0 2 2					55 22 51 55 22 49	6 42 6 41 6 42 6 41
W 8 T 9		-				5 13 41 0 58 5 13 43 0 58	6 58 2 2 6 56 2 2					66 22 47 67 22 45	6 43 6 41 6 43 6 41
F 10 S 11	22 15 22 7					13 45 0 58 1 13 46 0 58	6 53 2 2 6 51 2 1		13 13 0 24 13 14 0 24			7 22 43 8 22 42	6 44 6 42 6 44 6 42
S 12 M13	21 59 21 50			1 16 19 6 2 2 1 23 19 18 2 2		3 13 48 0 59 2 13 50 0 59	6 49 2 1 6 47 2 1		13 14 0 24 13 15 0 24			59 22 40 59 22 38	
T 14	21 41	6 20 4 4	7 23 10	1 29 19 30 2 2	4 19 55 0 32	13 52 0 59	6 45 2 1	2 5 0 47	13 15 0 25	17 43 5 43	20 6 20	0 22 36	6 46 6 42
W15 T 16	21 32 21 23	16 43 5 1		1 34 19 42 2 2 1 38 19 53 2 2	0 20 13 0 30	13 56 1 0	6 43 2 1 6 41 2 1	2 5 0 47 2 6 0 47	13 16 0 25	17 43 5 42	20 6 20	1 22 34 2 22 32	6 47 6 43 6 47 6 43
F 17 S 18	21 13 21 2		8 22 14 0 21 50	1 42 20 4 2 1 1 44 20 14 2 1	8 20 21 0 29 6 20 30 0 29		6 38 2 1 6 36 2 1	2 6 0 47 2 6 0 47	13 16 0 25 13 17 0 25			2 22 30 3 22 28	6 48 6 43 6 49 6 43
S 19 M20	20 52 20 40	-			3 20 38 0 28 1 20 47 0 23		6 34 2 1 6 32 2 0		13 17 0 25 13 18 0 25			4 22 26 4 22 24	6 49 6 43 6 50 6 44
T 21 W22	20 29	24 26 1 3			9 20 55 0 26	5 14 7 1 1	6 29 2 0	2 7 0 47		17 44 5 42	20 6 20	5 22 22 6 22 20	6 51 6 44
T 23	20 5	15 48 1s1	0 19 25	1 47 20 59 2	4 21 10 0 25	14 12 1 1	6 25 2 0	2 8 0 47	13 19 0 25	17 45 5 41	20 6 20	6 22 19	6 52 6 44
F 24 S 25	19 53 19 40			- 10 1	1 21 18 0 24 8 21 25 0 23		6 22 2 0 6 20 2 0		13 20 0 25 13 20 0 25			7 22 17 8 22 15	6 53 6 44 6 54 6 44
S 26 M27	19 27 19 14					2 14 19 1 2 2 14 21 1 2	6 17 2 0 6 15 2 0		13 21 0 25 13 21 0 25			8 22 13 9 22 11	6 55 6 44 6 55 6 45
T 28 W29	19 0	14 13 5 1	6 16 25	1 35 21 32 1 5	0 21 45 0 21		6 13 2 0 6 10 2 0	2 10 0 47	13 22 0 25 13 22 0 25	17 46 5 40	20 7 20	0 22 9	6 56 6 45 6 57 6 45
T 30	18 32	22 27 5	0 15 7	1 26 21 41 1 4	4 21 58 0 19	14 29 1 2	6 8 1 59	2 12 0 47	13 23 0 25	17 46 5 40	20 6 20	1 22 5	6 58 6 45
F 31	18n17	24 s 58 4 s 3	0 14n28	1n21 21n45 1 s <sup>2</sup>	1 22n 4 0s18	3 14s31 1s 3	6n 5 1n59	2 s12 0 s47	13 s24 0 s25	17 s47 5n40	20s 6 20s	2 22 s 3	6 s 59 6 n 4 5

Julian Day Number = 2455013.5, Delta T = 65.93 sec Ecliptic obliquity = 23°26'21, Nutation =  $0^\circ00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^\circ52'23$ , Lahiri =  $23^\circ59'23$ 

AUGUST 2009 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)મ(	并	В	S.	v	Ç	ę,	Day
S 1	20 38 57	8 <b>Q</b> 53'50	14 <b>⋌</b> ¹ 3	26₽42	29П56	13 <b>Ⅱ</b> 44	23°R50	19 <b>m</b> /21	26°R15	25°R32	1°R 5	0≈13	29 <b>궁</b> 44	23 <b>七</b> 14	24°R28	S 1
S 2	20 42 54	9°51'14	25°59	28°24	195 5	14°25	23≈42	19°28	26 <b>)</b> 14	25≈30	1중 4	0°14	29°41	23°21	24≈25	S 2
M 3	20 46 50	10°48'38	7 <b>云</b> 49	0Mp 4	2°14	15° 5	23°35	19°34	26°13	25°29	1° 3	0°15	29°38	23°28	24°22	M 3
T 4	20 50 47	11°46'03	19°37	1°42	3°23	15°46	23°27	19°40	26°11	25°27	1° 1	0°16	29°35	23°34	24°19	T 4
W 5	20 54 43	12°43'29	1≈25	3°18	4°33	16°26	23°20	19°47	26°10	25°25	1° 0	0°R16	29°32	23°41	24°16	W 5
T 6	20 58 40	13°40'56	13°16	4°53	5°42	17° 6	23°12	19°53	26° 8	25°24	0°59	0°15	29°28	23°48	24°13	T 6
F 7	21 2 36	14°38'24	25°12	6°26	6°52	17°46	23° 5	20° 0	26° 7	25°22	0°58	0°14	29°25	23°54	24°10	F 7
S 8	21 6 33	15°35'53	7 <b>∺</b> 16	7°58	8° 1	18°26	22°57	20° 6	26° 5	25°21	0°57	0°13	29°22	24° 1	24° 7	S 8
S 9	21 10 29	16°33'23	19°29	9°28	9°11	19° 6	22°49	20°13	26° 3	25°19	0°56	0°10	29°19	24° 8	24° 4	S 9
M10	21 14 26	17°30'54	1 <b>Y</b> 53	10°56	10°21	19°46	22°41	20°20	26° 2	25°17	0°55	0° 8	29°16	24°14	24° 1	M10
T 11	21 18 23	18°28'26	14°30	12°23	11°31	20°26	22°34	20°26	26° 0	25°16	0°55	0° 5	29°12	24°21	23°58	T 11
W12	21 22 19	19°26'00	27°23	13°48	12°41	21° 6	22°26	20°33	25°58	25°14	0°54	0° 4	29° 9	24°28	23°55	W12
T 13	21 26 16	20°23'36	10 <b>8</b> 33	15°11	13°51	21°45	22°18	20°40	25°56	25°12	0°53	0° 2	29° 6	24°34	23°52	T 13
F 14	21 30 12	21°21'12	24° 2	16°32	15° 2	22°25	22°10	20°47	25°54	25°11	0°52	0°D 2	29° 3	24°41	23°49	F 14
S 15	21 34 9	22°18'51	7∏52	17°51	16°12	23° 4	22° 2	20°54	25°53	25° 9	0°51	0° 3	29° 0	24°47	23°46	S 15
S 16	21 38 5	23°16'31	22° 3	19° 9	17°22	23°44	21°54	21° 1	25°51	25° 8	0°50	0° 4	28°57	24°54	23°42	S 16
M17	21 42 2	24°14'12	6933	20°25	18°33	24°23	21°46	21° 7	25°49	25° 6	0°50	0° 5	28°53	25° 1	23°39	M17
T 18	21 45 58	25°11'56	21°20	21°39	19°44	25° 2	21°39	21°14	25°47	25° 4	0°49	0° 6	28°50	25° 7	23°36	T 18
W19	21 49 55	26° 9'40	6 <b>Ω</b> 17	22°50	20°54	25°41	21°31	21°21	25°45	25° 3	0°48	0°R 6	28°47	25°14	23°33	W19
T 20	21 53 52	27° 7'26	21°17	24° 0	22° 5	26°20	21°23	21°28	25°43	25° 1	0°47	0° 5	28°44	25°21	23°30	T 20
F 21	21 57 48	28° 5'13	6Mp11	25° 8	23°16	26°58	21°15	21°36	25°41	24°59	0°47	0° 3	28°41	25°27	23°27	F 21
S 22	22 1 45	29° 3'02	20°52	26°13	24°27	27°37	21° 7	21°43	25°39	24°58	0°46	29 <b>궁</b> 59	28°38	25°34	23°24	S 22
S 23	22 5 41	0 Mp 0'52	5 <b>₽</b> 13	27°16	25°38	28°16	21° 0	21°50	25°37	24°56	0°45	29°55	28°34	25°41	23°21	S 23
M24	22 9 38	0°58'43	19° 9	28°16	26°49	28°54	20°52	21°57	25°35	24°54	0°45	29°50	28°31	25°47	23°18	M24
T 25	22 13 34	1°56'35	2 <b>M</b> .37	29°13	28° 1	29°32	20°45	22° 4	25°32	24°53	0°44	29°46	28°28	25°54	23°15	T 25
W26	22 17 31	2°54'29	15°40	0 <b>亚</b> 8	29°12	09911	20°37	22°11	25°30	24°51	0°44	29°44	28°25	26° 1	23°12	W26
T 27	22 21 27	3°52'24	28°18	1° 0	0∕Ω23	0°49	20°30	22°18	25°28	24°50	0°43	29°D42	28°22	26° 7	23° 9	T 27
F 28	22 25 24	4°50'20	10 <b>∡</b> 37	1°49	1°35	1°27	20°22	22°26	25°26	24°48	0°43	29°42	28°18	26°14	23° 6	F 28
S 29	22 29 21	5°48'17	22°41	2°34	2°46	2° 5	20°15	22°33	25°24	24°46	0°42	29°43	28°15	26°20	23° 3	S 29
S 30	22 33 17	6°46'16	4 <b>조</b> 34	3°16	3°58	2°43	20° 8	22°40	25°22	24°45	<u>0°42</u>	2 <u>9</u> °45	2 <u>8</u> °12	2 <u>6</u> °27	23° 0	S 30
M31	22 37 14	7 <b>m</b> )44'16	16 <b>ට</b> 23	3 <b>≙</b> 54	5 <b>Ω</b> 10	3920	20≈ 0	22 Mp 48	25 <b>米</b> 19	24≈43	0 <b>궁</b> 42	29 <b>궁</b> 47	28 <b>궁</b> 9	26 <b>궁</b> 34	22≈57	M31

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	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	18n 2	26 s 17	3 s49	13n48	1n15	21n48	1 s38	22n10	0s17	14s34	1 s 3	6n 3	1n59	2 s13	0s47	13 s24	0 s25	17s47	5n39	20 s 6	20 s12	22 s 1	7s 0	6n45
S 2	17 47	26 22	2 59	13 7	1 9	21 51	1 35	22 15	0 17	14 37	1 3	6 0	1 59	2 13	0 47	13 25	0 25	17 47	5 39	20 6	20 13	21 59	7 0	6 45
M 3	17 31			12 26	1 3			22 21		14 39	1 3	5 57	1 59	2 14		13 25	0 25		5 39		20 14		7 1	6 45
T 4 W 5	17 16			11 45		21 55		22 26		14 42	1 3	5 55	1 59	2 14		13 26	0 25		5 39		20 14		7 2	6 45
T 6	16 59 16 43		0n 6 1 11	11 4 10 22		21 56 21 56		22 31 22 36		14 45 14 47	1 4 1 4	5 52 5 50	1 59 1 59	2 15 2 16		13 26 13 27	0 25 0 25	17 48 17 48	5 38 5 38		20 15 20 16		7 3 7 4	6 45 6 45
F 7	16 26		2 14			21 56		22 40		14 50	1 4	5 47	1 59	2 16		13 27	0 25		5 38		20 16		7 5	6 45
S 8	16 10		3 11			21 56		22 45		14 52	1 4	5 44	1 59	2 17		13 28		17 48	5 38		20 17		7 6	6 45
S 9	15 52	0 29	4 0	8 19	0 19	21 54	1 13	22 49	0 10	14 55	1 4	5 42	1 59	2 18	0 47	13 28	0 25	17 49	5 38	20 7	20 18	21 45	7 7	6 45
M10	15 35	5n 0	4 38	7 37	0 10	21 53	1 10	22 53	0 10	14 58	1 4	5 39	1 59	2 18	0 48	13 29	0 25	17 49	5 37	20 7	20 18	21 43	7 8	6 45
T 11	15 17		5 4	6 57	0 2			22 57	0 9	-	1 4	5 36	1 59	2 19		13 30	0 25	17 49	5 37		20 19		7 9	6 45
W12 T 13	15 0		5 15			21 47		23 1	0 8	-	1 4	5 34	1 59	2 20		13 30	0 25		5 37		20 20		7 10	6 45
F 14	14 41 14 23		5 10 4 48	5 36 4 56		21 44 21 39	1 0 0 57	23 4	0 7 0 6		1 5	5 31 5 28	1 58 1 58	2 21 2 21		13 31 13 31	0 25 0 25		5 37 5 36		20 20 20 21		7 11 7 12	6 45
S 15			4 9	4 16		21 35		23 10	0 5		1 5	5 25	1 58	2 22		13 32			5 36		20 22		7 13	6 45
S 16	13 46	26 26	3 15	3 37	0 44	21 29	0 50	23 13	0 4	15 14	1 5	5 23	1 58	2 23	0 48	13 32	0 25	17 50	5 36	20 8	20 22	21 30	7 14	6 45
M17	13 27		2 6	2 59		21 23		23 16	0 3		1 5	5 20	1 58	2 24		13 33	0 25		5 36		20 23		7 15	6 45
T 18	13 7	-	0 48	2 21	1 3	-		23 18	0 2		1 5	5 17	1 58	2 24		13 33	0 25		5 35		20 24		7 16	6 45
W19 T 20	12 48 12 28		0s34 1 54	1 43 1 7	1 13 1 23		0 40	23 21 23 23	0 1 0 0	15 22 15 24	1 5 1 5	5 14 5 11	1 58 1 58	2 25 2 26		13 34 13 35	0 25 0 25		5 35 5 35		20 24 20 25		7 17 7 18	6 45 6 45
F 21	12 28		3 5	0 31		20 53		23 25	0 0 0n 1	15 27	1 5	5 9	1 58	2 27		13 35	0 25		5 35		20 23		7 19	6 45
S 22	11 48		4 3	0s 4		20 44		23 27	0 2		1 6	5 6	1 58	2 28		13 36		17 52	5 34		20 26		7 20	6 45
S 23	11 28	6 25	4 45	0 38	1 53	20 35	0 27	23 28	0 3	15 32	1 6	5 3	1 58	2 28	0 48	13 36	0 25	17 52	5 34	20 10	20 27	21 16	7 21	6 45
M24	11 8	12 14	5 8	1 11	2 3		-	23 30	0 3	15 35	1 6	5 0	1 58	2 29	0 48	13 37	0 25	17 52			20 27		7 22	6 45
T 25	10 47	-, -,	5 12	1 43	2 13			23 31	0 4	15 37	1 6	4 57	1 58	2 30			0 25				20 28		7 24	6 44
W26 T 27	10 26 10 5		5 1 4 35	2 14 2 44	2 23 2 32			<ul><li>23 32</li><li>23 33</li></ul>	0 5 0 6		1 6 1 6	4 54 4 52	1 58 1 58	2 31 2 32		13 38 13 38	0 25 0 25				20 29	21 10 21 7	7 25 7 26	6 44
F 28	9 44		3 57	3 12	2 42		0 14		0 6		1 6	4 49	1 58	2 32		13 38	0 25				20 29		7 27	6 44
S 29			3 9	3 39	2 52			23 34		15 47	1 6	4 46	1 58	2 34		13 40	0 25				20 31		7 28	6 44
S 30	9 2	25 35	2 13	4 4	3 1	19 12	0 4	23 34	0 9	15 49	1 6	4 43	1 58	2 35	0 48	13 40	0 25	17 54	5 32	20 12	20 31	21 1	7 29	6 44
M31	8n40	23 s38	1 s 1 3	4 s27	3 s 1 0	18n58	0 s 1	23n34	0n11	15 s 5 1	1 s 6	4n40	1n58	2 s35	0 s48	13 s41	0 s25	17 s54	5n32	20 s12	20s32	20 s 59	7 s 3 0	6n44

 $\label{eq:Julian Day Number = 2455044.5, Delta T = 65.95 sec} \\ Ecliptic obliquity = 23°26'21, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'27, Lahiri = 23°59'27 \\$ 

SEPTEMBER 2009 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ	)Å(	¥	Р	ß	Ω	Ç	ę,	Day
T 1	22 41 10	8 Mp 42'18	28 <b>궁</b> 10	4 <u>₽</u> 28	6 <b>Ω</b> 21	3958	19°R53	22 <b>m</b> 55	25°R17	24°R42	0°R41	29°R47	28 <b>궁</b> 6	26 <b>궁</b> 40	22°R54	T 1
W 2	22 45 7	9°40'21	10≈ 1	4°58	7°33	4°35	19 <b>≈</b> 46	23° 2	25 <b>米</b> 15	24≈40	0 <b>궁</b> 41	29 <b>궁</b> 47	28° 3	26°47	22≈51	W 2
T 3	22 49 3	10°38'25	21°58	5°23	8°45	5°13	19°40	23°10	25°12	24°39	0°41	29°45	27°59	26°54	22°48	T 3
F 4	22 53 0	11°36'31	4 <b>) (</b> 4	5°44	9°57	5°50	19°33	23°17	25°10	24°37	0°40	29°40	27°56	27° 0	22°45	F 4
S 5	22 56 56	12°34'39	16°21	5°59	11° 9	6°27	19°26	23°24	25° 8	24°35	0°40	29°34	27°53	27° 7	22°43	S 5
S 6	23 0 53	13°32'48	28°50	6° 9	12°21	7° 4	19°20	23°32	25° 6	24°34	0°40	29°27	27°50	27°14	22°40	S 6
M 7	23 4 50	14°31'00	11 <b>Y</b> 31	6°R13	13°33	7°41	19°13	23°39	25° 3	24°32	0°40	29°19	27°47	27°20	22°37	M 7
T 8	23 8 46	15°29'13	24°24	6°11	14°46	8°17	19° 7	23°47	25° 1	24°31	0°40	29°11	27°43	27°27	22°34	T 8
W 9	23 12 43	16°27'28	7 <b>8</b> 31	6° 3	15°58	8°54	19° 1	23°54	24°58	24°29	0°40	29° 4	27°40	27°34	22°32	W 9
T 10	23 16 39	17°25'45	20°50	5°49	17°11	9°30	18°55	24° 2	24°56	24°28	0°40	28°59	27°37	27°40	22°29	T 10
F 11	23 20 36	18°24'04	4 <b>Ⅱ</b> 23	5°28	18°23	10° 7	18°49	24° 9	24°54	24°26	0°40	28°57	27°34	27°47	22°26	F 11
S 12	23 24 32	19°22'25	18° 9	5° 0	19°36	10°43	18°43	24°16	24°51	24°25	0°D40	28°D56	27°31	27°53	22°24	S 12
S 13	23 28 29	20°20'49	29510	4°25	20°48	11°19	18°37	24°24	24°49	24°24	0°40	28°56	27°28	28° 0	22°21	S 13
M14	23 32 25	21°19'14	16°23	3°45	22° 1	11°55	18°32	24°31	24°47	24°22	0°40	28°57	27°24	28° 7	22°18	M14
T 15	23 36 22	22°17'42	0 <b>Ω</b> 49	2°58	23°14	12°31	18°27	24°39	24°44	24°21	0°40	28°R57	27°21	28°13	22°16	T 15
W16	23 40 19	23°16'12	15°23	2° 6	24°27	13° 6	18°22	24°46	24°42	24°19	0°40	28°56	27°18	28°20	22°13	W16
T 17	23 44 15	24°14'44	0Mp 2	1° 9	25°40	13°42	18°17	24°54	24°39	24°18	0°40	28°53	27°15	28°27	22°11	T 17
F 18	23 48 12	25°13'18	14°40	0° 9	26°53	14°17	18°12	25° 1	24°37	24°17	0°40	28°47	27°12	28°33	22° 9	F 18
S 19	23 52 8	26°11'53	29° 8	29 mg 6	28° 6	14°53	18° 7	25° 9	24°35	24°15	0°40	28°39	27° 9	28°40	22° 6	S 19
S 20	23 56 5	27°10'31	13 <b>≏</b> 22	28° 2	29°19	15°28	18° 3	25°16	24°32	24°14	0°41	28°30	27° 5	28°47	22° 4	S 20
M21	0 0 1	28° 9'10	27°14	26°58	0 <b>m</b> 32	16° 3	17°58	25°24	24°30	24°13	0°41	28°20	27° 2	28°53	22° 2	M21
T 22	0 3 58	29° 7'52	10 <b>M</b> .43	25°57	1°45	16°37	17°54	25°31	24°27	24°11	0°41	28°11	26°59	29° 0	21°59	T 22
W23	0 7 54	0 <b>♀</b> 6'35	23°46	24°59	2°58	17°12	17°50	25°39	24°25	24°10	0°42	28° 4	26°56	29° 7	21°57	W23
T 24	0 11 51	1° 5'20	6 <b>₹</b> 26	24° 5	4°12	17°46	17°46	25°46	24°23	24° 9	0°42	27°58	26°53	29°13	21°55	T 24
F 25	0 15 48	2° 4'07	18°46	23°19	5°25	18°21	17°43	25°54	24°20	24° 8	0°42	27°55	26°49	29°20	21°53	F 25
S 26	0 19 44	3° 2'55	0 <b>궁</b> 51	22°40	6°39	18°55	17°39	26° 1	24°18	24° 6	0°43	27°D55	26°46	29°27	21°51	S 26
S 27	0 23 41	4° 1'45	12°44	22°10	7°52	19°29	17°36	26° 9	24°15	24° 5	0°43	27°55	26°43	29°33	21°49	S 27
M28	0 27 37	5° 0'37	24°32	21°49	9° 6	20° 3	17°33	26°16	24°13	24° 4	0°44	27°R55	26°40	29°40	21°47	M28
T 29	0 31 34	5°59'31	6≈21	21°38	10°19	20°36	17°30	26°23	24°11	24° 3	0°44	27°55	26°37	29°46	21°45	T 29
W30	0 35 30	6 <b>₽</b> 58'26	18 <b>≈</b> 14	21°D38	11 <b>m</b> 33	219510	17≈27	26 <b>m</b> 31	24 <b>∺</b> 8	24≈ 2	0 <b>ප</b> 45	27 <b>云</b> 53	26 <b>궁</b> 34	29 <b>궁</b> 53	21≈43	W30

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W 2	7 57	16 51 0n5	5 5 8	3 27 18 28	0 5 23 34	0 13	15 56	1 6	4 34	1 58	2 37	0 48	13 42	0 25	17 55	5 31	20 12	20 33	20 55	7 32	6 43
T 3	7 35	12 20 1 5	5 26	3 35 18 12	0 8 23 34	0 14	15 58	1 6	4 31	1 58	2 38	0 48	13 42	0 25	17 55	5 31	20 12	20 34	20 53	7 33	6 43
F 4	7 13	7 18 2 5	5 41	3 42 17 56	0 11 23 33	0 15	16 0	1 6	4 28	1 58	2 39	0 48	13 43	0 25	17 55				20 50	7 34	6 43
S 5	6 50	1 55 3 4	5 53	3 49 17 39	0 14 23 33	0 16	16 2	1 6	4 25	1 58	2 40	0 48	13 43	0 25	17 56	5 31	20 14	20 35	20 48	7 36	6 43
S 6	6 28	3n36 4 2	6 6 3	3 56 17 22	0 17 23 32	0 17	16 4	1 6	4 22	1 58	2 41	0 48	13 44	0 25	17 56	5 30	20 16	20 36	20 46	7 37	6 42
M 7	6 6	9 3 4 5	6 9	4 1 17 4	0 20 23 31	0 18		1 6	4 20	1 58	2 42	0 48	13 44	0 25	17 56		20 18			7 38	6 42
T 8	5 43	14 13 5	0 10	4 6 16 46	0 23 23 30	0 19		1 6	4 17	1 58	2 43		13 45	0 25	17 56				20 42	7 39	6 42
W 9	5 21	18 49 5		4 9 16 28	0 26 23 28	0 20		1 6	4 14	1 58	2 44		13 45	0 25	17 57				20 40	7 40	6 42
T 10				4 12 16 8	0 29 23 27	0 21	16 12	1 6	4 11	1 58	2 45		-	0 25					20 37	7 41	6 42
F 11	4 35			4 13 15 49	0 31 23 25	0 22		1 6	4 8	1 58	2 46		13 46	0 25					20 35	7 42	6 41
S 12	4 12	26 16 3 2	5 51	4 12 15 29	0 34 23 24	0 23	16 16	1 6	4 5	1 58	2 47	0 48	13 47	0 25	17 58	5 29	20 22	20 39	20 33	7 43	6 41
S 13	3 49	25 44 2 1	5 35	4 11 15 8	0 37 23 22	0 24	16 17	1 6	4 2	1 58	2 48	0 48	13 47	0 25	17 58	5 28	20 22	20 40	20 31	7 44	6 41
M14	3 26		5 16	4 7 14 47	0 39 23 20	0 26		1 6	3 59	1 58	2 49	0 48	13 48	0 25	17 58				20 29	7 45	6 41
T 15	3 3	19 49 0s1	4 53	4 2 14 26	0 42 23 18	0 27	16 21	1 6	3 56	1 58	2 50	0 48	13 48	0 25	17 58	5 28	20 22	20 41	20 26	7 46	6 40
W16	2 40	14 50 1 2	-	3 55 14 4	0 44 23 15	0 28		1 6	3 53	1 58	2 50		13 49	0 25	17 59		20 22			7 47	6 40
T 17	2 17	8 59 2 3		3 46 13 42	0 47 23 13	0 29		1 6	3 50	1 58	2 51	0 48	13 49	0 25	17 59				20 22	7 48	6 40
F 18	1 54	2 40 3 4		3 35 13 19	0 49 23 10		16 25	1 6	3 47	1 58	2 52	0 48		0 25					20 20	7 49	6 39
S 19	1 31	3 s43 4 2	5 2 43	3 22 12 57	0 52 23 8	0 31	16 27	1 6	3 44	1 58	2 53	0 48	13 50	0 25	17 59	5 27	20 26	20 44	20 18	7 50	6 39
S 20	1 7	9 47 4 5	1 2 5	3 7 12 33	0 54 23 5	0 32	16 28	1 6	3 41	1 58	2 54	0 48	13 51	0 25	18 0	5 27	20 28	20 44	20 15	7 51	6 39
M21	0 44	15 13 5	1 24	2 51 12 10		0 34	16 29	1 6	3 38	1 58	2 55	0 48	13 51	0 25	18 0	5 26	20 30	20 45	20 13	7 52	6 39
T 22	0 21	-		2 33 11 45	0 58 22 59			1 6	3 36	1 58	2 56		13 51	0 25	18 0		20 32			7 53	6 38
W23				2 14 11 21	1 0 22 56	0 36		1 6	3 33	1 59	2 57	0 48		0 25			20 33			7 54	6 38
T 24	0 26			1 55 10 56	1 2 22 52	0 37	16 33	1 5	3 30	1 59	2 58		13 52	0 25	18 1		20 34			7 55	6 38
F 25	0 49			1 34 10 31	1 4 22 49	0 38		1 5	3 27	1 59	2 59	0 48	13 53	0 25	18 1		20 35			7 56	6 37
S 26	1 13	25 46 2 1	1 46	1 14 10 6	1 6 22 45	0 40	16 35	1 5	3 24	1 59	3 0	0 48	13 53	0 25	18 1	5 25	20 35	20 48	20 2	7 57	6 37
S 27	1 36	24 10 1 2	2 17	0 54 9 40	1 8 22 42	0 41	16 36	1 5	3 21	1 59	3 1	0 48	13 53	0 25	18 2	5 25	20 35	20 49	20 0	7 58	6 37
M28	1 59	21 31 0 1	2 43	0 35 9 15	1 10 22 38	0 42	16 37	1 5	3 18	1 59	3 2	0 48	13 54	0 25	18 2	5 24	20 35	20 49	19 57	7 59	6 36
T 29	2 23	17 58 0n4	3 5	0 16 8 48	1 12 22 34		16 37	1 5	3 15	1 59	3 3	0 48	13 54	0 25	18 2				19 55	8 0	6 36
W30	2 s46	13 s41 1n4	3n21	0n 2 8n22	1n13 22n30	0n45	16s38	1 s 5	3n12	1n59	3 s 4	0 s48	13 s55	$0\mathrm{s}25$	18s 2	5n24	20 s35	20 s51	19 s 5 3	8 s 1	6n36

Julian Day Number = 2455075.5, Delta T = 65.98 sec Ecliptic obliquity =  $23^{\circ}26'22$ , Nutation =  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}52'31$ , Lahiri =  $23^{\circ}59'32$ 

OCTOBER 2009 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ұ(	¥	Р	r	Ω	Ç	ę,	Day
T 1	0 39 27	7 <b>≏</b> 57'23	0 <b>)</b> €17	21 Mp 47	12 <b>m</b> ) 47	219543	17°R25	26 <b>m</b> 38	24°R 6	24°R 1	0 <b>ප</b> 45	27°R49	26 <b>궁</b> 30	29る59	21°R41	T 1
F 2	0 43 23	8°56'22	12°33	22° 7	14° 0	22°16	17≈22	26°46	24 <b>) (</b> 4	24≈ 0	0°46	27 <b>る</b> 42	26°27	0≈ 6	21≈39	F 2
S 3	0 47 20	9°55'22	25° 4	22°37	15°14	22°49	17°20	26°53	24° 1	23°59	0°47	27°32	26°24	0°13	21°38	S 3
S 4	0 51 16	10°54'25	7 <b>Υ</b> 50	23°16	16°28	23°22	17°18	27° 0	23°59	23°58	0°47	27°20	26°21	0°20	21°36	S 4
M 5	0 51 10	10°54'25	20°52	24° 3	17°42	23°55	17°17	27° 8	23°57	23°57	0°48	27° 8	26°18	0°26	21°34	M 5
T 6	0 59 10	12°52'37	4 <b>8</b> 9	24°59	18°56	24°27	17°15	27°15	23°55	23°56	0°49	26°56	26°15	0°33	21°33	T 6
W 7	1 3 6	13°51'46	17°37	26° 2	20°10	24°59	17°14	27°22	23°53	23°55	0°50	26°45	26°11	0°40	21°31	W 7
T 8	1 7 3	14°50'57	1Д16	27°11	21°24	25°31	17°13	27°29	23°50	23°54	0°50	26°37	26° 8	0°46	21°30	T 8
F 9	1 10 59	15°50'11	15° 3	28°27	22°38	26° 3	17°12	27°37	23°48	23°53	0°51	26°31	26° 5	0°53	21°28	F 9
S 10	1 14 56	16°49'27	28°57	29°47	23°52	26°35	17°11	27°44	23°46	23°52	0°52	26°28	26° 2	1° 0	21°27	S 10
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S 11	1 18 52	17°48'45	12957	1 € 12	25° 7	27° 6	17°10	27°51	23°44	23°52	0°53	26°27	25°59	1° 6	21°26	S 11
M12	1 22 49	18°48'06	27° 2	2°40	26°21	27°38	17°10	27°58	23°42	23°51	0°54	26°27	25°55	1°13	21°25	M12
T 13	1 26 45	19°47'28	11.011	4°12	27°35	28° 9	17°D10	28° 6	23°40	23°50	0°55	26°27	25°52	1°19	21°23	T 13
W14	1 30 42	20°46'54	25°24	5°46	28°49	28°39	17°10	28°13	23°38	23°49	0°56	26°24	25°49	1°26	21°22	W14
T 15 F 16	1 34 39 1 38 35	21°46'21 22°45'51	9 Mp 38 23°50	7°22 9° 0	0 <u>₽</u> 4 1°18	29°10 29°40	17°10 17°11	28°20 28°27	23°36 23°34	23°49 23°48	0°57 0°58	26°20 26°12	25°46 25°43	1°33 1°39	21°21 21°20	T 15 F 16
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S 17	1 42 32	23°45'22	7 <b>≙</b> 55	10°40	2°33	0 <b>Ω</b> 11	17°11	28°34	23°32	23°47	0°59	20 1	25°40	1°46	21°19	51/
S 18	1 46 28	24°44'56	21°48	12°20	3°47	0°41	17°12	28°41	23°30	23°47	1° 0	25°49	25°36	1°53	21°19	S 18
M19	1 50 25	25°44'32	5 <b>M</b> 26	14° 2	5° 2	1°10	17°13	28°48	23°28	23°46	1° 1	25°36	25°33	1°59	21°18	M19
T 20	1 54 21	26°44'10	18°44	15°43	6°16	1°40	17°15	28°55	23°26	23°46	1° 2	25°24	25°30	2° 6	21°17	T 20
W21	1 58 18	27°43'50	1 <b>∡7</b> 42	17°25	7°31	2° 9	17°16	29° 2	23°24	23°45	1° 4	25°13	25°27	2°13	21°16	W21
T 22	2 2 14	28°43'32	14°19	19° 7	8°46	2°38	17°18	29° 8	23°22	23°45	1° 5	25° 5	25°24	2°19	21°16	T 22
F 23	2 6 11	29°43'16	2 <u>6</u> °38	20°50	10° 0	3° 7	17°20	29°15	23°20	23°44	1° 6	25° 0	25°20	2°26	21°15	F 23
S 24	2 10 8	0 <b>M</b> .43'01	8 <b>궁</b> 42	22°32	11°15	3°35	17°22	29°22	23°18	23°44	1° 7	24°58	25°17	2°33	21°15	S 24
S 25	2 14 4	1°42'48	20°35	24°14	12°30	4° 3	17°24	29°29	23°17	23°43	1° 9	24°57	25°14	2°39	21°14	S 25
M26	2 18 1	2°42'37	2≈24	25°55	13°44	4°31	17°26	29°36	23°15	23°43	1°10	24°57	25°11	2°46	21°14	M26
T 27	2 21 57	3°42'27	14°12	27°36	14°59	4°59	17°29	29°42	23°13	23°43	1°11	24°57	25° 8	2°52	21°14	T 27
W28	2 25 54	4°42'19	26° 7	29°17	16°14	5°26	17°32	29°49	23°12	23°42	1°13	24°55	25° 5	2°59	21°13	W28
T 29	2 29 50	5°42'13	8 <b>)</b> 13	0M.58	17°29	5°53	17°35	29°55	23°10	23°42	1°14	24°51	25° 1	3° 6	21°13	T 29
F 30	2 33 47	6°42'08	20°34	2°38	18°44	6°20	17°38	0 <b>♀</b> 2	23° 9	23°42	1°15	24°44	24°58	3°12	21°13	F 30
S 31	2 37 43	7 <b>M</b> 42'05	<b>3Υ</b> 14	4 <b>M</b> .18	19 <b>≙</b> 59	6 <b>Ω</b> 46	17≈42	0 <del>დ</del> 8	23 <b>米</b> 7	23≈42	1 <b>ਰ</b> 17	24 <b>궁</b> 35	24 <b>궁</b> 55	3≈19	21°D13	S 31

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T 1 F 2	3 s 9 3 33		n43 3n33 34 3 39	0n19 0 35	7n55 7 28	1n15 22n26 1 17 22 22	0n46 0 47		1 s 5 1 5	3n 9 3 7	1n59 1 59	3 s 4			s25 18s 25 18			20 s51 20 52		8s 2 8 3	6n35
S 3	3 56		15 3 41	0 49	7 1	1 18 22 18		16 40	1 5	3 4	1 59	3 6							19 46	8 4	6 34
S 4	4 19		44 3 37	1 2	6 34	1 20 22 14		16 40	1 5	3 1	1 59	3 7			25 18	-		20 53		8 5	6 34
M 5 T 6		-	59 3 29	1 14	6 6	1 21 22 10	0 51	-	1 5	2 58	1 59	3 8			25 18			20 54		8 6	6 34
W 7			59 3 16 42 2 59		5 38 5 10	1 22 22 5 1 23 22 1	0 52 0 54		1 4	2 55 2 52	1 59 2 0	3 9 3 10			25 18 25 18	-		20 54 20 55		8 6 8 7	6 33 6 33
T 8		24 28 4	8 2 39	1 40	4 42	1 24 21 56		16 42	1 4	2 50	2 0	3 11						20 55		8 8	6 33
F 9	6 14	25 55 3		1 46	4 14	1 26 21 52		16 42	1 4	2 47	2 0	3 11	0 48	13 57 0	25 18			20 56		8 9	6 32
S 10	6 37	25 46 2	20 1 47	1 51	3 45	1 27 21 47	0 58	16 42	1 4	2 44	2 0	3 12	0 48	13 58 0	25 18	5 5 21	20 52	20 57	19 30	8 10	6 32
S 11			11 1 16	-	-	1 27 21 42	0 59	16 42	1 4	2 41	2 0	3 13			25 18			20 57		8 10	6 31
M12	,	-	s 3 0 44	1 57	2 48	1 28 21 37	1 0		1 4	2 39	2 0	3 14			20 10			20 58		8 11	6 31
T 13 W14		-	17 0 9 27 0s28	1 58 1 59	2 19 1 50	1 29 21 32 1 30 21 28	1 2 1 3	-	1 4	2 36 2 33	2 0 2 0	3 15 3 16			25 18 25 18	-		20 58 20 59		8 12 8 13	6 31
T 15	8 29		27 1 6	1 59	1 21	1 30 21 23	1 5	_	1 4	2 30	2 0	3 16			25 18			20 59		8 13	6 30
F 16	8 51	1 s26 4	14 1 46	1 58	0 52	1 31 21 18	1 6	16 42	1 3	2 28	2 1	3 17	0 48	13 59 0	25 18	7 5 20	20 55	21 0	19 16	8 14	6 29
S 17	9 13	7 31 4	46 2 26	1 56	0 23	1 31 21 13	1 7	16 41	1 3	2 25	2 1	3 18	0 48	13 59 0	25 18	7 5 19	20 57	21 1	19 14	8 15	6 29
S 18	9 35	13 7 4	59 3 8	1 54	0s 6	1 32 21 8	1 9	16 41	1 3	2 22	2 1	3 19	0 48	14 0 0	25 18	7 5 19	20 59		19 12	8 15	6 28
M19			56 3 50	1 51	0 35	1 32 21 3		16 41	1 3	2 20	2 1	3 19			25 18	7 5 19		21 2		8 16	6 28
T 20 W21	10 19 10 40	-	36 4 32 2 5 15	1 47 1 44	1 5 1 34	1 32 20 57 1 33 20 52		16 40 16 39	1 3	2 17 2 14	2 1 2 1	3 20 3 21	0 47 0 47		25 18 25 18	8 5 18 8 5 18		21 2 21 3		8 17 8 17	6 28 6 27
T 22		-		1 39	2 3	1 33 20 32		16 39	1 3	2 12	2 1	3 22			25 18	8 5 18	-		19 2	8 18	6 27
F 23	11 22	25 48 2	24 6 40	1 35	2 32	1 33 20 42	1 16	16 38	1 3	2 9	2 1	3 22	0 47	14 0 0	25 18	8 5 18	21 8	21 4	19 0	8 19	6 26
S 24	11 43	24 34 1	25 7 23	1 29	3 2	1 33 20 37	1 18	16 37	1 3	2 7	2 2	3 23	0 47	14 0 0	25 18	9 5 17	21 8	21 5	18 57	8 19	6 26
S 25	12 4	22 15 0	23 8 5	1 24	3 31	1 33 20 32	1 19	16 37	1 2	2 4	2 2	3 24	0 47	14 1 0	25 18	9 5 17	21 8	21 5	18 55	8 20	6 25
M26			n39 8 48	1 19	4 0	1 33 20 27	1 21		1 2	2 2	2 2	3 24			25 18	9 5 17	-	21 6		8 20	6 25
T 27 W28	-		40 9 29 37 10 11	1 13 1 7	4 29 4 58	1 32 20 21 1 32 20 16	1 23 1 24		1 2 1 2	1 59 1 57	2 2 2 2	3 25 3 25			23 10	9 5 17 9 5 17	_	21 6 21 7		8 21 8 21	6 25 6 24
T 29	13 25	-	28 10 52		5 27	1 32 20 16	1 24		1 2	1 54	2 2	3 26			25 18 1		21 10			8 21	6 24
F 30	13 45		10 11 32		5 56	1 31 20 6	1 27		1 2	1 52	2 3	3 27			25 18 1		21 11		18 43	8 22	6 23
S 31	14 s 5	5n35 4n	n41 12s12	0n48	6 s 2 5	1n31 20n 1	1n29	16s31	1 s 2	1n49	2n 3	3 s27	0 s47	14s 1 0s	s25 18s1	0 5n16	21 s12	21 s 9	18 s41	8 s23	6n23

 $\label{eq:Julian Day Number = 2455105.5, Delta T = 66.00 sec} \\ Ecliptic obliquity = 23°26'22, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'35, Lahiri = 23°59'36} \\$ 

NOVEMBER 2009 00:00 UT

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Day	Sid.t	0	)	ğ	φ	♂	4	ħ	)મ(	卉	В	S.	v	Ç	ķ	Day
S 1	2 41 40	8ML42'04	16 <b>Y</b> 14	5 <b>M</b> .57	21 <b>≏</b> 14	7 <b>Ω</b> 13	17≈45	0 <b>ჲ</b> 15	23°R 6	23°R42	1 <b>ට</b> 18	24°R24	24 <b>궁</b> 52	3≈26	21≈13	S 1
M 2	2 45 37	9°42'04	29°35	7°36	22°29	7°39	17°49	0°21	23 <b>米</b> 4	23≈42	1°20	24 <b>궁</b> 11	24°49	3°32	21°13	M 2
T 3	2 49 33	10°42'07	13 <b>8</b> 14	9°14	23°44	8° 4	17°53	0°27	23° 3	23°41	1°21	23°59	24°46	3°39	21°13	T 3
W 4	2 53 30	11°42'11	27° 9	10°52	24°59	8°29	17°57	0°34	23° 1	23°41	1°23	23°48	24°42	3°46	21°13	W 4
T 5	2 57 26	12°42'17	11 <b>II</b> 14	12°30	26°14	8°54	18° 2	0°40	23° 0	23°D41	1°24	23°40	24°39	3°52	21°14	T 5
F 6	3 1 23	13°42'26	25°26	14° 7	27°29	9°19	18° 6	0°46	22°59	23°41	1°26	23°34	24°36	3°59	21°14	F 6
S 7	3 5 19	14°42'36	99540	15°44	28°44	9°43	18°11	0°52	22°58	23°42	1°28	23°32	24°33	4° 6	21°15	S 7
S 8	3 9 16	15°42'48	23°52	17°20	29°59	10° 7	18°16	0°58	22°56	23°42	1°29	23°D31	24°30	4°12	21°15	S 8
M 9	3 13 12	16°43'03	8 <b>N</b> 2	18°56	1 <b>M</b> .14	10°31	18°21	1° 4	22°55	23°42	1°31	23°31	24°26	4°19	21°16	M 9
T 10	3 17 9	17°43'19	22° 7	20°31	2°29	10°54	18°26	1°10	22°54	23°42	1°33	23°R31	24°23	4°26	21°16	T 10
W11	3 21 6	18°43'37	6Mp 7	22° 7	3°44	11°17	18°31	1°16	22°53	23°42	1°34	23°30	24°20	4°32	21°17	W11
T 12	3 25 2	19°43'58	20° 1	23°42	4°59	11°40	18°37	1°22	22°52	23°42	1°36	23°26	24°17	4°39	21°17	T 12
F 13	3 28 59	20°44'20	3 <b>≏</b> 48	25°16	6°15	12° 2	18°43	1°28	22°51	23°43	1°38	23°20	24°14	4°45	21°18	F 13
S 14	3 32 55	21°44'44	17°26	26°50	7°30	12°23	18°49	1°33	22°50	23°43	1°40	23°11	24°11	4°52	21°19	S 14
S 15	3 36 52	22°45'10	0 <b>M</b> .53	28°24	8°45	12°45	18°55	1°39	22°49	23°43	1°41	23° 1	24° 7	4°59	21°20	S 15
M16	3 40 48	23°45'38	14° 8	29°58	10° 0	13° 6	19° 1	1°44	22°49	23°44	1°43	22°50	24° 4	5° 5	21°21	M16
T 17	3 44 45	24°46'07	27° 8	1 <b>₹</b> 32	11°16	13°26	19° 8	1°50	22°48	23°44	1°45	22°40	24° 1	5°12	21°22	T 17
W18	3 48 41	25°46'38	9 <b>₹</b> 52	3° 5	12°31	13°46	19°14	1°55	22°47	23°44	1°47	22°31	23°58	5°19	21°23	W18
T 19	3 52 38	26°47'11	22°20	4°38	13°46	14° 6	19°21	2° 1	22°46	23°45	1°49	22°24	23°55	5°25	21°24	T 19
F 20	3 56 35	27°47'45	4 <b>군</b> 33	6°11	15° 2	14°25	19°28	2° 6	22°46	23°45	1°51	22°20	23°52	5°32	21°26	F 20
S 21	4 0 31	28°48'20	16°34	7°43	16°17	14°44	19°35	2°11	22°45	23°46	1°52	22°18	23°48	5°39	21°27	S 21
S 22	4 4 28	29°48'57	28°26	9°16	17°32	15° 2	19°42	2°16	22°45	23°47	1°54	22°D18	23°45	5°45	21°28	S 22
M23	4 8 24	0 <b>,</b> 7⁴49'35	10≈14	10°48	18°48	15°20	19°50	2°21	22°44	23°47	1°56	22°19	23°42	5°52	21°30	M23
T 24	4 12 21	1°50'13	22° 2	12°20	20° 3	15°37	19°57	2°26	22°44	23°48	1°58	22°20	23°39	5°59	21°31	T 24
W25	4 16 17	2°50'53	3 <b>₩</b> 55	13°52	21°18	15°54	20° 5	2°31	22°43	23°48	2° 0	22°R21	23°36	6° 5	21°33	W25
T 26	4 20 14	3°51'34	16° 0	15°23	22°34	16°10	20°13	2°36	22°43	23°49	2° 2	22°20	23°32	6°12	21°34	T 26
F 27	4 24 10	4°52'17	28°21	16°55	23°49	16°26	20°21	2°41	22°43	23°50	2° 4	22°17	23°29	6°19	21°36	F 27
S 28	4 28 7	5°53'00	11 <b>°</b> 2	18°26	25° 4	16°41	20°29	2°46	22°43	23°51	2° 6	22°12	23°26	6°25	21°37	S 28
S 29	4 32 4	6°53'44	24° 7	19°57	26°20	16°56	20°38	2°50	22°42	23°51	<u>2°</u> 8	2 <u>2</u> ° 5	2 <u>3</u> °23	6°32	21°39	S 29
M30	4 36 0	7 <b>.7</b> 54'29	7 <b>8</b> 36	21 <b>×</b> 127	27 <b>M</b> 35	$17\Omega 10$	20≈46	2 <b>≏</b> 55	22 <b>) (</b> 42	23≈52	2 <b>る</b> 10	21 <b>る</b> 58	23 <b>る</b> 20	6≈39	21≈41	M30

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S 1	14 s24			12 s 5 1	0n41	6s53		19n56	-		1 s 2	1n47	2n 3	3 s28		14s 1					21 s 9		8 s 2 3 6 n 2	
M 2 T 3	14 43 15 2	16 0 20 20	5 0 4 45	13 30 14 8	0 35 0 28	7 22 7 50		19 51 19 46		16 28 16 27	1 1	1 44 1 42	2 3 2 3	3 28 3 29			0 25 0 25				21 10 21 10		8 23 6 2 8 24 6 2	
W 4	-	23 37		14 45	0 20	8 18	1 28		-	16 25	1 1	1 42	2 3	3 29			0 25	-			21 10		8 24 6 3	
T 5	15 39	25 30	3 24	15 21	0 15	8 46	1 27		1 38	16 24	1 1	1 37	2 4	3 30	0 47	14 1	0 25	18 11	5 15	21 22	21 12	18 29	8 24 6	21
F 6	15 57	25 45	2 23	15 57	0 8	9 14	1 26	19 31	1 39	16 22	1 1	1 35	2 4	3 30	0 47	14 1	0 25	18 11	5 14	21 23	21 12	18 26	8 25 6	20
S 7	16 15	24 18	1 13	16 32	0 1	9 42	1 25	19 26	1 41	16 21	1 1	1 33	2 4	3 31	0 47	14 1	0 25	18 12	5 14	21 23	21 13	18 24	8 25 6	20
S 8	16 33	21 18	0 s 2	17 6	0s 6	10 9	1 24	19 21	1 43	16 19	1 1	1 31	2 4	3 31	0 47	14 1	0 25	18 12	5 14	21 24	21 13	18 22	8 25 6	19
M 9	16 50			17 39	-		-	19 17		16 17	1 1	1 28	2 4	3 32			0 25	-			21 14		8 26 6	
T 10		11 50	-	18 11		-		19 12	-	16 16	1 1	1 26	2 4	3 32			0 25	-			21 14		8 26 6	- 1
W11	17 24	-		18 42		11 30	1 21			16 14	1 0	1 24	2 5	3 32			0 25				21 15		8 26 6	- 1
T 12	17 40			19 13			1 20			16 12	1 0	1 22	2 5	3 33							21 16		8 26 6	- /
F 13	17 56			19 42				18 59		16 10	1 0	1 20	2 5	3 33			0 25				21 16		8 26 6	- 1
S 14	18 12	11 30	5 2	20 11	0 45	12 48	1 17	18 54	1 54	16 8	1 0	1 18	2 5	3 33	0 47	14 1	0 25	18 13	5 13	21 27	21 17	18 7	8 27 6	16
S 15		16 29	-	20 38		13 14	-	18 50	1 56		1 0	1 16	2 5	3 34			0 20				21 17	-	8 27 6	
M16		20 35	4 44	-				18 46	1 58	-	1 0	1 14	2 6	3 34					-		21 18	-	8 27 6	- 1
T 17		23 36		21 30		14 4		18 42		-	1 0	1 12	2 6	3 34		-					21 18		8 27 6	- 1
W18		25 21	-	21 55	-	14 28		18 38		16 0	1 0	1 10	2 6	3 35				-			21 19		8 27 6	- 1
T 19 F 20		25 46 24 56		22 18 22 40				18 34 18 30		15 58	1 0 0 59	1 8 1 6	2 6	3 35							21 19 21 20		8 27 6 8 27 6	
S 21		22 55				-		18 27		15 55 15 53	0 59	1 6 1 4	2 6 2 7	3 35 3 35							21 20		8 27 6	
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S 22		19 56		23 21	-	-		18 23		15 51	0 59	1 2	2 7	3 35		13 59		-	-		21 21		8 27 6	-
M23	20 19			23 40				18 20		15 48	0 59	1 0	2 7	3 35		13 59					21 22		8 27 6	
T 24 W25	20 32	11 45 6 53		23 57 24 13			-	18 17 18 14		15 46 15 43	0 59 0 59	0 59 0 57	2 7 2 8	3 36 3 36		13 59 13 59					21 22 21 23		8 27 6 8 27 6	
T 26	20 44		-	24 13	-	17 30		18 14		15 43	0 59	0 57	2 8	3 36		13 59					21 23		8 27 6	
F 27	20 33			24 42			0 55			15 38	0 59	0 54	2 8	3 36		13 58					21 23		8 27 6	
S 28	21 17	9 1		24 55			0 53			15 35	0 59	0 52	2 8	3 36		13 58					21 24		8 27 6	
S 29	21 28	14 8	5 9	25 6	2 3	18 31	0.51	18 3	2 25	15 32	0 59	0 50	2 9	3 36	0 46	13 58	0.25	18 15	5 10	21 38	21 25	17 30	8 26 6	10
	21 s38	-			-	18 s 5 0		18n 1		15 s30		0n49	2n 9			13 s58		18s15			21 s25		8 s 26 6n	-

 $\label{eq:Julian Day Number = 2455136.5, Delta T = 66.02 sec} \\ Ecliptic obliquity = 23°26'21, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'40, Lahiri = 23°59'40 \\ \\$ 

DECEMBER 2009 00:00 UT

Day	Sid.t	0	D	ğ	Q.	o <sup>7</sup>	4	ħ	)∤(	卉	Р	n	Ω	Ç	ķ	Day
T 1	4 39 57	8 <b>₹</b> 55'16	21 <b>8</b> 30	22 <b>×</b> 758	28 <b>M</b> 51	17 <b>Ω</b> 24	20≈55	2 <b>≏</b> 59	22°R42	23≈53	2 <b>る</b> 12	21°R50	23 <b>궁</b> 17	6≈45	21≈43	T 1
W 2	4 43 53	9°56'03	5 <b>Ⅱ</b> 44	24°28	0 <b>≯</b> 6	17°37	21° 3	3° 3	22°D42	23°54	2°14	21 <b>궁</b> 44	23°13	6°52	21°45	W 2
T 3	4 47 50	10°56'52	20°14	25°58	1°22	17°49	21°12	3° 8	22 <b>)</b> 42	23°55	2°16	21°39	23°10	6°58	21°47	T 3
F 4	4 51 46	11°57'42	4953	27°27	2°37	18° 1	21°21	3°12	22°42	23°56	2°18	21°35	23° 7	7° 5	21°49	F 4
S 5	4 55 43	12°58'34	19°34	28°56	3°52	18°12	21°30	3°16	22°43	23°57	2°20	21°D34	23° 4	7°12	21°51	S 5
S 6	4 59 40	13°59'26	4 <b>Ω</b> 11	0 <b>궁</b> 24	5° 8	18°23	21°40	3°20	22°43	23°58	2°22	21°35	23° 1	7°18	21°53	S 6
M 7	5 3 36	15° 0'20	18°39	1°52	6°23	18°33	21°49	3°24	22°43	23°59	2°25	21°36	22°58	7°25	21°55	M 7
T 8 W 9	5 7 33	16° 1'15 17° 2'11	2 Mp 54 16°55	3°19 4°45	7°39 8°54	18°43 18°51	21°59	3°28	22°43	24° 0 24° 1	2°27	21°38	22°54	7°32 7°38	21°58 22° 0	T 8 W 9
T 10	5 11 29 5 15 26	1/° 2/11 18° 3'08	16°55 0 <u>₽</u> 42	6°10	10°10	18°51	22° 8 22°18	3°31 3°35	22°44 22°44	24° 1	2°29 2°31	21°R38 21°38	22°51 22°48	7°45	22° 0 22° 2	T 10
F 11	5 19 22	19° 4'07	14°13	7°34	11°25	19° 7	22°28	3°39	22°44	24° 4	2°33	21°35	22°45	7°52	22° 5	F 11
S 12	5 23 19	20° 5'07	27°31	8°56	12°41	19°14	22°38	3°42	22°45	24° 5	2°35	21°31	22°42	7°58	22° 7	S 12
S 13	5 27 15	21° 6'08	10 <b>M</b> _35	10°17	13°56	19°20	22°48	3°45	22°45	24° 6	2°37	21°27	22°38	8° 5	22°10	S 13
M14	5 31 12	22° 7'09	23°26	11°35	15°12	19°25	22°58	3°49	22°46	24° 7	2°39	21°21	22°35	8°12	22°12	M14
T 15	5 35 9	23° 8'12	6 <b>₹</b> 4	12°52	16°27	19°30	23° 9	3°52	22°47	24° 9	2°42	21°16	22°32	8°18	22°15	T 15
W16	5 39 5	24° 9'16	18°30	14° 6	17°43	19°34	23°19	3°55	22°47	24°10	2°44	21°12	22°29	8°25	22°18	W16
T 17	5 43 2	25°10'21	0 <b>ප</b> 45	15°16	18°58	19°37	23°30	3°58	22°48	24°11	2°46	21° 9	22°26	8°32	22°21	T 17
F 18	5 46 58	26°11'26	12°49	16°23	20°14	19°39	23°41	4° 1	22°49	24°13	2°48	21° 8	22°23	8°38	22°23	F 18
S 19	5 50 55	27°12'31	24°45	17°26	21°29	19°41	23°51	4° 4	22°50	24°14	2°50	21°D 7	22°19	8°45	22°26	S 19
S 20	5 54 51	28°13'37	6≈34	18°24	22°45	19°42	24° 2	4° 6	22°51	24°16	2°52	21° 8	22°16	8°52	22°29	S 20
M21	5 58 48	2 <u>9</u> °14'44	18°21	19°16	24° 0	19°R42	24°13	4° 9	22°52	24°17	2°55	21°10	22°13	8°58	22°32	M21
T 22	6 2 44	0 <b>궁</b> 15'50	0 <b>米</b> 9	20° 2	25°16	19°41	24°25	4°11	22°53	24°19	2°57	21°12	22°10	9° 5	22°35	T 22
W23	6 6 41	1°16'57	12° 2	20°41	26°31	19°39	24°36	4°14	22°54	24°20	2°59	21°13	22° 7	9°11	22°38	W23
T 24 F 25	6 10 38 6 14 34	2°18'04 3°19'11	24° 4 6 <b>Υ</b> 21	21°12 21°34	27°47 29° 2	19°37 19°34	24°47 24°59	4°16 4°18	22°55 22°56	24°22 24°23	3° 1 3° 3	21°14 21°R14	22° 4 22° 0	9°18 9°25	22°41 22°44	T 24 F 25
S 26	6 18 31	4°20'19	18°58	21°46	29 2 0 <b>궁</b> 18	19°34 19°30	24 39 25°10	4°20	22°57	24°25	3° 5	21°14	21°57	9°23	22°47	S 26
S 27	6 22 27	5°21'26	1857	21°R47	1°33	19°25	25°22	4°22	22°58	24°26	3° 8	21°12	21°54	9°38	22°50	S 27
M28 T 29	6 26 24 6 30 20	6°22'34 7°23'41	15°23 29°17	21°37 21°15	2°49 4°4	19°20 19°13	25°34 25°46	4°24 4°26	23° 0 23° 1	24°28 24°30	3°10 3°12	21°10 21° 8	21°51 21°48	9°45 9°51	22°54 22°57	M28 T 29
W30	6 34 17	8°24'49	29 17 13 <b>Ⅲ</b> 36	20°41	5°20	19 13 19° 6	25°57	4°27	23° 2	24°31	3°14	21° 7	21°44	9°58	23° 0	W30
T 31	6 38 13	9 <b>ප්</b> 25'56	28 <b>I</b> I18	19 <b>궁</b> 56	6 <b>පි</b> 36	18 <b>Q</b> 58	26 <b>≈</b> 9	4 <u>₽</u> 29	23 <b>)</b> 4	24≈33	3 <b>ප්</b> 16	21 <b>궁</b> 5	21 <b>3</b> 41	10≈ 5	23≈ 4	T 31

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 $\label{eq:Julian Day Number = 2455166.5, Delta T = 66.05 sec} \\ Ecliptic obliquity = 23°26'20, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°52'44, Lahiri = 23°59'44} \\$