

# Astrodienst Ephemeris Tables for the year 1830

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 1830 00:00 UT

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Day	Sid.t	0	D	ğ	Ф	ď	4	ħ	)∤(	¥	Р	n	v	Ç	ę,	Day
F 1	6 40 33	10궁 8'37	25 <b>)</b> 38	14 <b>궁</b> 15	27≈16	22 <b>M</b> 57	29 <b>х</b> 32	17°R13	4≈57	19 <b>る</b> 55	6 <b>Υ</b> 32	22°D 8	23 m/ 2	6 <b>♀</b> 4	2°R44	F 1
S 2	6 44 30	11° 9'47	9 <b>Ƴ</b> 44	15°53	28°14	23°37	29°46	17 <b>0</b> 9	5° 0	19°57	6°32	22°R 9	22°59	6°10	2 <b>8</b> 43	S 2
S 3	6 48 26	12°10'57	23°48	17°32	29°12	24°17	29°59	17° 6	5° 4	19°59	6°32	22 m/ 8	22°55	6°17	2°43	S 3
M 4	6 52 23	13°12'07	7 <b>8</b> 50	19°10	0 <b>∺</b> 9	24°56	0 <b>궁</b> 13	17° 2	5° 7	20° 1	6°33	22° 6	22°52	6°24	2°42	M 4
T 5	6 56 19	14°13'16	21°50	20°49	1° 6	25°36	0°27	16°58	5°10	20° 4	6°33	22° 1	22°49	6°30	2°42	T 5
W 6	7 0 16	15°14'25	5 <b>Ⅱ</b> 44	22°29	2° 2	26°16	0°40	16°55	5°14	20° 6	6°33	21°53	22°46	6°37	2°41	W 6
T 7	7 4 12	16°15'34	19°30	24° 8	2°57	26°55	0°54	16°51	5°17	20° 8	6°34	21°43	22°43	6°44	2°41	T 7
F 8	7 8 9	17°16'42	395 5	25°48	3°52	27°35	1° 7	16°47	5°20	20°10	6°34	21°32	22°39	6°50	2°41	F 8
S 9	7 12 6	18°17'50	16°26	27°28	4°46	28°15	1°21	16°43	5°24	20°13	6°35	21°20	22°36	6°57	2°40	S 9
S 10	7 16 2	19°18'57	29°31	29° 8	5°40	28°54	1°34	16°39	5°27	20°15	6°35	21°10	22°33	7° 3	2°40	S 10
M11	7 19 59	20°20'04	12 <b>\O</b> 18	0≈48	6°33	29°34	1°48	16°35	5°31	20°17	6°35	21° 1	22°30	7°10	2°40	M11
T 12	7 23 55	21°21'11	24°48	2°28	7°25	0 <b>∡</b> 14	2° 1	16°31	5°34	20°19	6°36	20°55	22°27	7°17	2°D40	T 12
W13	7 27 52	22°22'18	7Mm, 2	4° 8	8°16	0°54	2°14	16°27	5°37	20°22	6°36	20°52	22°24	7°23	2°40	W13
T 14	7 31 48	23°23'24	19° 3	5°48	9° 6	1°33	2°28	16°22	5°41	20°24	6°37	20°D51	22°20	7°30	2°40	T 14
F 15	7 35 45	24°24'30	0 <b>ჲ</b> 55	7°27	9°56	2°13	2°41	16°18	5°44	20°26	6°38	20°51	22°17	7°37	2°40	F 15
S 16	7 39 41	25°25'35	12°43	9° 6	10°45	2°53	2°54	16°14	5°48	20°29	6°38	20°52	22°14	7°43	2°40	S 16
S 17	7 43 38	26°26'41	24°32	10°44	11°33	3°33	3° 7	16° 9	5°51	20°31	6°39	20°R53	22°11	7°50	2°41	S 17
M18	7 47 35	27°27'46	6ML28	12°21	12°20	4°12	3°21	16° 5	5°55	20°33	6°39	20°52	22° 8	7°57	2°41	M18
T 19	7 51 31	28°28'50	18°35	13°57	13° 6	4°52	3°34	16° 0	5°58	20°35	6°40	20°50	22° 5	8° 3	2°41	T 19
W20	7 55 28	29°29'55	0 <b>才</b> 59	15°31	13°51	5°32	3°47	15°56	6° 2	20°38	6°41	20°45	22° 1	8°10	2°42	W20
T 21	7 59 24	0≈30'58	13°43	17° 3	14°35	6°12	4° 0	15°51	6° 5	20°40	6°41	20°39	21°58	8°17	2°42	T 21
F 22	8 3 21	1°32'02	26°50	18°32	15°18	6°52	4°13	15°46	6° 9	20°42	6°42	20°31	21°55	8°23	2°43	F 22
S 23	8 7 17	2°33'04	10중20	19°58	16° 0	7°32	4°26	15°42	6°12	20°44	6°43	20°22	21°52	8°30	2°43	S 23
S 24	8 11 14	3°34'06	24°13	21°21	16°40	8°12	4°39	15°37	6°16	20°47	6°44	20°14	21°49	8°37	2°44	S 24
M25	8 15 10	4°35'07	8 <b>≈</b> 23	22°39	17°20	8°51	4°52	15°32	6°19	20°49	6°44	20° 7	21°45	8°43	2°45	M25
T 26	8 19 7	5°36'07	22°46	23°53	17°58	9°31	5° 5	15°27	6°23	20°51	6°45	20° 2	21°42	8°50	2°46	T 26
W27	8 23 4	6°37'07	7 <b>∺</b> 16	25° 0	18°35	10°11	5°17	15°23	6°26	20°53	6°46	19°59	21°39	8°57	2°46	W27
T 28	8 27 0	7°38'04	21°47	26° 2	19°10	10°51	5°30	15°18	6°30	20°56	6°47	19°D58	21°36	9° 3	2°47	T 28
F 29	8 30 57	8°39'01	6 <b>Υ</b> 14	26°55	19°45	11°31	5°43	15°13	6°33	20°58	6°48	19°59	21°33	9°10	2°48	F 29
S 30	8 34 53	9°39'56	20°33	27°41	20°17	12°11	5°55	15° 8	6°37	21° 0	6°48	20° 1	21°30	9°16	2°49	S 30
S 31	8 38 50	10≈40'50	4 <b>8</b> 43	28≈18	20 <b>) (</b> 48	12 <b>×</b> 51	8 වි	15 <b>N</b> 3	6≈40	21궁 2	6 <b>Ƴ</b> 49	20°R 2	21 Mp 26	9 <b>॒</b> 23	2 <b>8</b> 50	S 31

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F 1 S 2	23 s 4 22 59		24 s42 2 s 24 33 2	1 13 s22 1s 0 18 3 12 57 0 54 18		23 s15 0n13 23 15 0 13				12 s53 16 s53 12 53 16 52	3n 7 2n40 3 7 2 4		
S 3 M 4 T 5 W 6	22 54 22 48 22 42 22 35	10 42 3 38	24 10 2 23 56 2	5 12 31 0 48 18 6 12 5 0 42 18 7 11 39 0 36 18 7 11 13 0 30 18	32 0 30 42 0 30	23 15 0 13	16 42 1 0 16 43 1 0	19 35 0 35 19 34 0 35	21 23 0 35 21 23 0 35	12 52 16 52 12 52 16 52 12 51 16 51 12 51 16 51	3 7 2 49 3 8 2 50 3 10 2 5 3 13 2 53	1 26	11 32 0 57 11 31 0 57
T 7 F 8 S 9		18 28 4 57 17 54 4 35	23 5 2 22 45 2	7 10 47 0 23 19 7 10 21 0 16 19 6 9 55 0 9 19	11 0 28 21 0 27		16 47 1 1 16 48 1 1	19 30 0 35	21 22 0 35 21 22 0 35	12 50 16 50 12 49 16 50	3 17 2 54 3 22 2 55 3 26 2 56	5 1 33 5 1 35	11 31 0 57 11 31 0 57
T 12 W13	21 55 21 46 21 36	14 4 3 11 11 9 2 15 7 48 1 13	22 0 2 21 35 2 21 8 1 5		39 0 26 48 0 25 57 0 25	23 15 0 12 23 15 0 12 23 15 0 12	16 51 1 1 16 52 1 1 16 54 1 1	19 29 0 35 19 28 0 35 19 27 0 35	21 21 0 35 21 21 0 35 21 21 0 35 21 20 0 35	12 48 16 49 12 48 16 49 12 47 16 48	3 37 3	0 1 39 0 1 41 1 1 43	11 31 0 57 11 31 0 57 11 31 0 57
F 15	21 26 21 15 21 4 20 53	0 28 0n54 3 s16 1 55	20 41 1 5 20 11 1 5 19 41 1 4	50 7 17 0 37 20 45 6 51 0 45 20	14 0 24 23 0 23	23 14 0 12	16 57 1 2 16 58 1 2	19 25 0 35 19 25 0 35	21 20 0 35 21 20 0 35 21 19 0 35 21 19 0 35	12 46 16 48	3 38 3 4 3 37 3	2 1 44 4 1 46 5 1 48 6 1 50	11 31 0 57 11 31 0 57
M18 T 19 W20	20 41 20 29 20 16	10 13 3 40 13 11 4 21 15 39 4 50	18 35 1 3 18 1 1 2 17 26 1 1	33 5 59 1 2 20 26 5 33 1 11 20 18 5 7 1 20 20	39 0 22 47 0 21 55 0 20	23 14 0 11 23 13 0 11 23 13 0 11	17 1 1 2 17 3 1 2 17 4 1 2	19 23 0 35 19 22 0 35 19 21 0 35	21 19 0 35 21 18 0 35 21 18 0 35	12 45 16 47 12 44 16 46 12 44 16 46	3 37 3 3 3 38 3 9 3 40 3 10	3 1 52 9 1 54 9 1 55	11 31 0 57 11 31 0 58 11 31 0 58
T 21 F 22 S 23 S 24		18 20 5 6 18 15 4 49	16 50 1 16 13 0 5 15 36 0 4 14 59 0 3	49 3 51 1 49 21	10 0 19 17 0 18	23 13 0 11 23 12 0 11 23 12 0 11 23 12 0 11	17 7 1 3 17 9 1 3	19 19 0 35 19 18 0 35	21 18 0 35 21 17 0 35 21 17 0 35 21 17 0 35	12 42 16 45	3 43 3 1 3 46 3 13 3 49 3 14 3 52 3 13	1 59 1 2 1	
M25 T 26 W27 T 28 F 29	19 8 18 53 18 38 18 23	14 52 3 26 11 42 2 22 7 47 1 8 3 25 0s10	14 22 0 2 13 45 0 1 13 10 0n 12 35 0 1	25 3 2 2 9 21 12 2 38 2 19 21 2 2 14 2 30 21 17 1 50 2 40 21	31 0 17 38 0 16 44 0 15 51 0 15	23 11 0 11 23 11 0 11 23 10 0 11 23 10 0 11	17 12 1 3 17 13 1 3 17 15 1 3 17 16 1 3	19 17 0 35 19 16 0 35 19 15 0 35 19 14 0 35	21 16 0 35 21 16 0 35 21 16 0 35 21 15 0 35	12 41 16 44 12 40 16 44 12 39 16 44 12 39 16 43	3 55 3 16 3 57 3 18 3 58 3 19 3 58 3 20	5 2 5 8 2 6 9 2 8 0 2 10	11 32 0 58 11 32 0 58 11 32 0 58 11 32 0 58 11 33 0 58
S 30	18 7 17 51 17 s34	5 35 2 39	12 2 0 3 11 32 0 4 11s 3 1n	49 1 4 3 2 22	3 0 13		17 19 1 4	19 12 0 35	21 15 0 35	12 38 16 43 12 38 16 43 12 s37 16 s42	3 58 3 2 3 58 3 2 3n57 3n24	3 2 14	

 $\label{eq:Julian Day Number = 2389453.5, Delta\ T = 10.69\ sec} \\ Ecliptic\ obliquity = 23°27'31, Nutation = -0°00'02, out-of-bounds\ declination\ in\ red \\$ 

Ayanamsha: Fagan/Bradley =  $22^{\circ}21'59$ , Lahiri =  $21^{\circ}29'00$ 

FEBRUARY 1830 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)f(	¥	В	ស	v	Ç	ķ	Day
M 1	8 42 46	11≈41'43	18841	28≈45	21 <b>)</b> 18	13 <b>~</b> 31	6 <b>ට</b> 20	14°R58	6≈44	21궁 4	6 <b>Υ</b> 50	20°R 2	21 m/23	9 <b>ჲ</b> 30	2 <b>8</b> 52	M 1
T 2	8 46 43	12°42'34	2 <b>Ⅱ</b> 27	29° 2	21°46	14°11	6°33	14 <b>Ω</b> 53	6°47	21° 6	6°51	20 Mg 0	21°20	9°36	2°53	T 2
W 3	8 50 39	13°43'24	16° 2	29°R 8	22°12	14°51	6°45	14°49	6°51	21° 9	6°52	19°56	21°17	9°43	2°54	W 3
T 4	8 54 36	14°44'12	29°24	29° 3	22°36	15°31	6°58	14°44	6°54	21°11	6°53	19°51	21°14	9°50	2°55	T 4
F 5	8 58 33	15°44'59	12933	28°47	22°58	16°11	7°10	14°39	6°58	21°13	6°54	19°46	21°11	9°56	2°57	F 5
S 6	9 2 29	16°45'45	25°29	28°21	23°19	16°50	7°22	14°34	7° 1	21°15	6°55	19°40	21° 7	10° 3	2°58	S 6
S 7	9 6 26	17°46'29	8 <b>Ω</b> 13	27°44	23°37	17°30	7°34	14°29	7° 5	21°17	6°56	19°34	21° 4	10°10	3° 0	S 7
M 8	9 10 22	18°47'12	20°43	26°58	23°54	18°10	7°46	14°24	7° 8	21°19	6°57	19°30	21° 1	10°16	3° 1	M 8
T 9	9 14 19	19°47'53	3 <b>m</b> y 0	26° 4	24° 8	18°50	7°58	14°19	7°12	21°21	6°58	19°27	20°58	10°23	3° 3	T 9
W10	9 18 15	20°48'33	15° 7	25° 3	24°20	19°30	8°10	14°14	7°15	21°23	6°59	19°D26	20°55	10°30	3° 5	W10
T 11	9 22 12	21°49'12	27° 4	23°58	24°30	20°10	8°22	14° 9	7°18	21°25	7° 0	19°26	20°51	10°36	3° 6	T 11
F 12	9 26 8	22°49'49	8 <b>≏</b> 55	22°49	24°38	20°50	8°34	14° 5	7°22	21°27	7° 1	19°27	20°48	10°43	3°8	F 12
S 13	9 30 5	23°50'25	20°43	21°40	24°43	21°30	8°45	14° 0	7°25	21°29	7° 3	19°29	20°45	10°50	3°10	S 13
S 14	9 34 2	24°51'00	2 <b>M</b> 32	20°31	24°46	22°10	8°57	13°55	7°29	21°31	7° 4	19°31	20°42	10°56	3°12	S 14
M15	9 37 58	25°51'34	14°27	19°25	24°R47	22°50	9° 8	13°50	7°32	21°33	7° 5	19°32	20°39	11° 3	3°14	M15
T 16	9 41 55	26°52'06	26°32	18°22	24°45	23°30	9°20	13°46	7°35	21°35	7° 6	19°R33	20°36	11°10	3°16	T 16
W17	9 45 51	27°52'38	8 <b>₹</b> 54	17°25	24°40	24°11	9°31	13°41	7°39	21°37	7° 7	19°32	20°32	11°16	3°18	W17
T 18	9 49 48	28°53'08	21°35	16°33	24°33	24°51	9°42	13°36	7°42	21°39	7°8	19°31	20°29	11°23	3°20	T 18
F 19	9 53 44	29°53'36	4 <b>⋜</b> 40	15°49	24°24	25°31	9°54	13°32	7°45	21°41	7° 9	19°29	20°26	11°30	3°22	F 19
S 20	9 57 41	0 <b>) ₹</b> 54'03	18°11	15°11	24°12	26°11	10° 5	13°27	7°49	21°43	7°11	19°26	20°23	11°36	3°24	S 20
S 21	10 1 37	1°54'29	2≈ 8	14°41	23°58	26°51	10°16	13°23	7°52	21°45	7°12	19°23	20°20	11°43	3°27	S 21
M22	10 5 34	2°54'53	16°28	14°19	23°41	27°31	10°27	13°18	7°55	21°46	7°13	19°21	20°17	11°50	3°29	M22
T 23	10 9 31	3°55'16	1 <b>)</b> 8	14° 3	23°21	28°11	10°37	13°14	7°59	21°48	7°14	19°20	20°13	11°56	3°31	T 23
W24	10 13 27	4°55'37	16° 1	13°55	23° 0	28°51	10°48	13° 9	8° 2	21°50	7°16	19°D19	20°10	12° 3	3°34	W24
T 25	10 17 24	5°55'56	0 <b>Υ</b> 58	13°D54	22°36	29°31	10°59	13° 5	8° 5	21°52	7°17	19°19	20° 7	12° 9	3°36	T 25
F 26	10 21 20	6°56'13	15°51	14° 0	22°10	0 <b>ට</b> 11	11° 9	13° 1	8° 8	21°54	7°18	19°20	20° 4	12°16	3°38	F 26
S 27	10 25 17	7°56'28	0 <b>8</b> 34	14°11	21°42	0°51	11°20	12°56	8°11	21°55	7°19	19°21	20° 1	12°23	3°41	S 27
S 28	10 29 13	8 <b>)</b> 56'41	15 <b>8</b> 0	14≈28	21 <b>)</b> 12	1 <b>ප</b> 31	11 <b>궁</b> 30	12 <b>Q</b> 52	8≈15	21 <b>궁</b> 57	7 <b>Υ</b> 21	19 <b>m</b> 22	19 <b>m</b> 57	12 <b>≏</b> 29	3 <b>8</b> 44	S 28

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M 1	17 s18	13n 8	4 s 2 6	10s38	1n22	0s19	3n25	22 s15	0n12	23 s 8	0n10	17n23	1n 4	19s11	0s35	21 s14	0n35	12 s36	16 s42	3n57	3n25	2s18	11n34 0s58
T 2	17 1	15 49	4 57	10 16	1 39	0n 2	3 36	22 20	0 11	23 8	0 10	17 24	1 4	19 10	0 35	21 14	0 35	12 36	16 42	3 58	3 26	2 19	11 34 0 58
W 3	16 43	17 34	5 11	9 58	1 56	0 23	3 48	22 26	0 10	23 7	0 10	17 26	1 4	19 9	0 35	21 13	0 35	12 35	16 42	3 59	3 28	2 21	11 35 0 58
T 4	16 26	18 20	5 7	9 44	2 13	0 44	3 59	22 31	0 9	23 7	0 10	17 27	1 4	19 8	0 35	21 13	0 35	12 35	16 41	4 1	3 29	2 23	11 35 0 58
F 5	16 8	18 6	4 47	9 34	2 29	1 3	4 11	22 36	0 9	23 6	0 10	17 29	1 4	19 7	0 35	21 13	0 35	12 34	16 41	4 3	3 30	2 25	11 36 0 58
S 6	15 50	16 55	4 13	9 29	2 45	1 23	4 23	22 41	0 8	23 5	0 10	17 30	1 4	19 6	0 35	21 12	0 35	12 33	16 41	4 6	3 31	2 27	11 36 0 58
S 7	15 31	14 54	3 27	9 28	2 59	1 41	4 36	22 45	0 7	23 5	0 10	17 32	1 5	19 5	0 35	21 12	0 35	12 33	16 40	4 8	3 33	2 29	11 37 0 58
M 8	15 12	12 13	2 31	9 32	3 11	1 59	4 48	22 50	0 6	23 4	0 10	17 33	1 5	19 5	0 35	21 12	0 35	12 32	16 40	4 10	3 34	2 30	11 37 0 58
T 9	14 53	9 2	1 29	9 40	3 22	2 16	5 0	22 54	0 5	23 4	0 10	17 35	1 5	19 4	0 35	21 12	0 35	12 31	16 40	4 11	3 35	2 32	11 38 0 58
W10	14 34	5 30	0 24	9 52	3 31	2 32	5 12	22 58	0 4	23 3	0 10	17 36	1 5	19 3	0 35	21 11	0 35	12 31	16 40	4 11	3 36	2 34	11 38 0 58
T 11	14 15	1 49	0n42	10 7	3 37	2 47	5 25	23 2	0 4	23 2	0 9	17 38	1 5	19 2	0 36	21 11	0 35	12 30	16 39	4 11	3 38	2 36	11 39 0 58
F 12	13 55	1 s55	1 45	10 26	3 42	3 2	5 37	23 6	0 3	23 2	0 9	17 39	1 5	19 1	0 36	21 11	0 35	12 29	16 39	4 11	3 39	2 38	11 39 0 58
S 13	13 35	5 34	2 44	10 46	3 43	3 15	5 50	23 9	0 2	23 1	0 9	17 41	1 5	19 0	0 36	21 10	0 35	12 29	16 39	4 10	3 40	2 40	11 40 0 58
S 14	13 15	8 59	3 36	11 8	3 43	3 27	6 2	23 13	0 1	23 0	0 9	17 42	1 5	18 59	0 36	21 10	0 35	12 28	16 39	4 9	3 41	2 41	11 41 0 58
M15	12 55	12 4	4 19	11 31	3 40	3 39	6 14	23 16	0 0	22 59	0 9	17 44	1 5	18 58	0 36	21 10	0 35	12 27	16 38	4 9	3 43	2 43	11 41 0 58
T 16	12 34	14 41	4 51	11 55	3 35	3 49	6 26	23 19	0 s 1	22 59	0 9	17 45	1 5	18 58	0 36	21 9	0 35	12 27	16 38	4 8	3 44	2 45	11 42 0 58
W17	12 13	16 41	5 10	12 19	3 29	3 58	6 38	23 21	0 2	22 58	0 9	17 46	1 5	18 57	0 36	21 9	0 35	12 26	16 38	4 9	3 45	2 47	11 43 0 58
T 18	11 52	17 56	5 16	12 42	3 20	4 6	6 50	23 24	0 3	22 57	0 9	17 48	1 5	18 56	0 36	21 9	0 35	12 25	16 38	4 9	3 46	2 49	11 43 0 58
F 19	11 31	18 18	5 5	13 4	3 11	4 13	7 1	23 26	0 3	22 57	0 9	17 49	1 5	18 55	0 36	21 8	0 35	12 25	16 38	4 10	3 48	2 51	11 44 0 58
S 20	11 10	17 39	4 37	13 26	3 0	4 19	7 12	23 29	0 4	22 56	0 9	17 51	1 5	18 54	0 36	21 8	0 35	12 24	16 37	4 11	3 49	2 52	11 45 0 58
S 21	10 48	15 55	3 52	13 45	2 48	4 23	7 23	23 31	0 5	22 55	0 9	17 52	1 6	18 53	0 36	21 8	0 35	12 23	16 37	4 12	3 50	2 54	11 45 0 58
M22	10 27	13 10	2 52	14 4	2 36	4 26	7 34	23 32	0 6	22 54	0 9	17 53	1 6	18 53	0 36	21 8	0 35	12 23	16 37	4 13	3 51	2 56	11 46 0 58
T 23	10 5	9 32	1 39	14 20	2 23	4 27	7 44	23 34	0 7	22 54	0 8	17 55	1 6	18 52	0 36	21 7	0 35	12 22	16 37	4 14	3 53	2 58	11 47 0 58
W24	9 43	5 14	0 18	14 35	2 10	4 28	7 53	23 35	0 8	22 53	0 8	17 56	1 6	18 51	0 36	21 7	0 35	12 21	16 37	4 14	3 54	3 0	11 48 0 59
T 25	9 21	0 36	1 s 4	14 48	1 56	4 26	8 2	23 37	0 9	22 52	0 8	17 57	1 6	18 50	0 36	21 7	0 35	12 21	16 36	4 14	3 55	3 2	11 49 0 59
F 26	8 58	4n 3	2 22	15 0	1 43	4 24	8 10	23 38	0 10	22 51	0 8	17 59	1 6	18 49	0 36	21 6	0 35	12 20	16 36	4 13	3 56	3 3	11 49 0 59
S 27	8 36	8 24	3 30	15 9	1 30	4 20	8 18	23 38	0 11	22 50	0 8	18 0	1 6	18 49	0 36	21 6	0 35	12 19	16 36	4 13	3 58	3 5	11 50 0 59
S 28	8 s13	12n10	4 s22	15 s 17	1n17	4n14	8n25	23 s39	0s12	22 s 50	0n 8	18n 1	1n 6	18 s48	0s36	21s 6	0n35	12s19	16s36	4n13	3n59	3 s 7	11n51 0s59

Julian Day Number = 2389484.5, Delta T = 10.63 sec Ecliptic obliquity = 23°27'32, Nutation = -0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°22'04, Lahiri =  $21^{\circ}29'04$ 

MARCH 1830 00:00 UT

FIMIL	JII 1030	,													00.00	0.
Day	Sid.t	0	D	ğ	·	♂	4	ħ	)ţ(	并	Р	S.	v	Ç	ķ	Day
M 1	10 33 10	9 <b>)</b> 56'52	29 <b>8</b> 8	14≈51	20°R40	2 <b>ਰ</b> 11	11 <b>る</b> 40	12°R48	8≈18	21 <b>궁</b> 59	7 <b>Υ</b> 22	19 <b>m</b> 23	19 <b>m</b> /54	12 <b>₽</b> 36	3 <b>8</b> 46	M 1
T 2	10 37 6	10°57'01	12耳56	15°19	20 <b>∺</b> 7	2°51	11°50	12 <b>Ω</b> 44	8°21	22° 0	7°23	19°R23	19°51	12°43	3°49	T 2
W 3	10 41 3	11°57'08	26°23	15°51	19°32	3°31	12° 0	12°40	8°24	22° 2	7°25	19°23	19°48	12°49	3°52	W 3
T 4	10 45 0	12°57'13	9932	16°28	18°57	4°11	12°10	12°36	8°27	22° 4	7°26	19°22	19°45	12°56	3°54	T 4
F 5	10 48 56	13°57'16	22°23	17° 9	18°20	4°51	12°20	12°32	8°30	22° 5	7°27	19°21	19°42	13° 3	3°57	F 5
S 6	10 52 53	14°57'16	5 <b>0</b> 0	17°54	17°43	5°31	12°30	12°29	8°33	22° 7	7°29	19°21	19°38	13° 9	4° 0	S 6
S 7	10 56 49	15°57'14	17°24	18°43	17° 5	6°12	12°39	12°25	8°36	22° 8	7°30	19°20	19°35	13°16	4° 3	S 7
M 8	11 0 46	16°57'11	29°37	19°35	16°27	6°52	12°49	12°21	8°39	22°10	7°32	19°20	19°32	13°23	4° 6	M 8
T 9	11 4 42	17°57'05	11 <b>M</b> p41	20°30	15°50	7°32	12°58	12°18	8°42	22°11	7°33	19°20	19°29	13°29	4° 9	T 9
W10	11 8 39	18°56'57	23°38	21°27	15°12	8°12	13° 7	12°14	8°45	22°13	7°34	19°20	19°26	13°36	4°12	W10
T 11	11 12 35	19°56'47	5 <b>≏</b> 31	22°28	14°36	8°52	13°16	12°11	8°47	22°14	7°36	19°20	19°22	13°43	4°15	T 11
F 12	11 16 32	20°56'36	17°20	23°31	14° 0	9°32	13°25	12° 8	8°50	22°16	7°37	19°20	19°19	13°49	4°18	F 12
S 13	11 20 28	21°56'22	29° 8	24°37	13°25	10°12	13°34	12° 5	8°53	22°17	7°39	19°19	19°16	13°56	4°21	S 13
S 14	11 24 25	22°56'07	10 <b>M</b> 59	25°44	12°52	10°52	13°43	12° 2	8°56	22°18	7°40	19°19	19°13	14° 3	4°24	S 14
M15	11 28 22	23°55'50	22°56	26°54	12°20	11°32	13°51	11°59	8°59	22°20	7°41	19°18	19°10	14° 9	4°27	M15
T 16	11 32 18	24°55'31	5 <b>√</b> 2	28° 6	11°50	12°12	14° 0	11°56	9° 1	22°21	7°43	19°18	19° 7	14°16	4°30	T 16
W17	11 36 15	25°55'11	17°21	29°21	11°22	12°52	14° 8	11°53	9° 4	22°22	7°44	19°18	19° 3	14°23	4°34	W17
T 18	11 40 11	26°54'49	29°58	0 <b>∺</b> 36	10°56	13°32	14°16	11°50	9° 7	22°23	7°46	19°D17	19° 0	14°29	4°37	T 18
F 19	11 44 8	27°54'25	12 <b>る</b> 57	1°54	10°32	14°12	14°24	11°47	9° 9	22°25	7°47	19°18	18°57	14°36	4°40	F 19
S 20	11 48 4	28°53'59	26°20	3°14	10°10	14°52	14°32	11°45	9°12	22°26	7°49	19°18	18°54	14°43	4°44	S 20
S 21	11 52 1	29°53'32	10≈10	4°35	9°50	15°32	14°40	11°42	9°14	22°27	7°50	19°19	18°51	14°49	4°47	S 21
M22	11 55 57	0 <b>Ƴ</b> 53'02	24°26	5°58	9°33	16°12	14°48	11°40	9°17	22°28	7°52	19°20	18°48	14°56	4°50	M22
T 23	11 59 54	1°52'31	9 <b>∺</b> 7	7°22	9°19	16°52	14°55	11°38	9°19	22°29	7°53	19°21	18°44	15° 3	4°54	T 23
W24	12 3 51	2°51'58	24° 6	8°48	9° 6	17°32	15° 3	11°36	9°22	22°30	7°54	19°R21	18°41	15° 9	4°57	W24
T 25	12 7 47	3°51'23	9 <b>Υ</b> 16	10°16	8°57	18°12	15°10	11°33	9°24	22°31	7°56	19°20	18°38	15°16	5° 1	T 25
F 26	12 11 44	4°50'46	24°28	11°45	8°49	18°52	15°17	11°31	9°26	22°32	7°57	19°19	18°35	15°23	5° 4	F 26
S 27	12 15 40	5°50'07	9 <b>8</b> 31	13°15	8°44	19°32	15°24	11°30	9°29	22°33	7°59	19°17	18°32	15°29	5° 8	S 27
S 28	12 19 37	6°49'25	24°18	14°47	8°42	20°12	15°31	11°28	9°31	22°34	8° 0	19°15	18°28	15°36	5°11	S 28
M29	12 23 33	7°48'41	8 <b>Ⅱ</b> 42	16°20	8°D42	20°52	15°38	11°26	9°33	22°35	8° 2	19°13	18°25	15°43	5°15	M29
T 30	12 27 30	8°47'55	22°40	17°55	8°44	21°31	15°44	11°25	9°35	22°36	8° 3	19°11	18°22	15°49	5°19	T 30
W31	12 31 26	9 <b>Ƴ</b> 47'07	69911	19 <b>米</b> 32	8 <b>) (</b> 49	22 <b>ਰ</b> 11	15 <b>る</b> 50	11 <b>£</b> 23	9 <b>≈</b> 38	22 <b>궁</b> 37	8 <b>Y</b> 5	19°D10	18 <b>m</b> 19	15 <b>≏</b> 56	5 <b>8</b> 22	W31

Day	0	D	ğ	·	♂	4		ħ	1	)į	j(	并	Р	U	Ω	ţ	, k
	decl	decl lat	decl lat	decl lat de	el lat	decl l	at	decl	lat	decl	lat	decl lat	decl lat	decl	decl	decl	decl lat
M 1			15 s23 1n 4				0n 8	18n 2	1n 6	18 s47	0s36	21 s 6 0n35	12s18 16s36	4n13	4n 0		11n52 0s59
T 2	7 28	17 9 5 16	15 27 0 51	3 59 8 36 23	0 14	22 48	0 8	18 3	1 6	18 46	0 36	21 5 0 35	12 17 16 36	4 12	4 1	3 11	11 53 0 59
W 3	7 5	18 9 5 15	15 29 0 38	3 50 8 40 23	0 15	22 47	0 8	18 5	1 6	18 45	0 36	21 5 0 35	12 17 16 35	4 13	4 3	3 13	11 54 0 59
T 4	6 42	18 9 4 58	15 30 0 26	3 39 8 44 23	0 16	22 46	0 8	18 6	1 6	18 45	0 36	21 5 0 35	12 16 16 35	4 13	4 4	3 14	11 55 0 59
F 5	6 19	17 13 4 27	15 29 0 14	3 27 8 46 23	0 17	22 46	0 8	18 7	1 6	18 44	0 36	21 5 0 35	12 16 16 35	4 13	4 5	3 16	11 55 0 59
S 6	5 56	15 26 3 42	15 26 0 3	3 14 8 48 23	0 18	22 45	0 8	18 8	1 6	18 43	0 36	21 4 0 35	12 15 16 35	4 13	4 6	3 18	11 56 0 59
S 7	5 33	12 57 2 48	15 22 0s 8	3 0 8 48 23	0 19	22 44	0 7	18 9	1 6	18 42	0 36	21 4 0 35	12 14 16 35	4 13	4 8	3 20	11 57 0 59
M 8	5 9	9 56 1 47	15 15 0 19	2 46 8 48 23	0 20	22 43	0 7	18 10	1 6	18 42	0 36	21 4 0 35	12 14 16 35	4 14	4 9	3 22	11 58 0 59
T 9	4 46	6 32 0 42	15 8 0 29	2 30 8 46 23	0 22	22 42	0 7	18 11	1 6	18 41	0 36	21 4 0 35	12 13 16 35	4 14	4 10	3 24	11 59 0 59
W10	4 23	2 54 0n24	14 59 0 39	2 13 8 44 23	0 23	22 42	0 7	18 12	1 6	18 40	0 36	21 3 0 35	12 12 16 34	4 14	4 11	3 26	12 0 0 59
T 11	3 59	0s50 1 29	14 48 0 48	1 56 8 40 23	0 24	22 41	0 7	18 13	1 6	18 39	0 36	21 3 0 35	12 12 16 34	4 14	4 13	3 27	12 1 0 59
F 12	3 36	4 30 2 30	14 36 0 57	1 39 8 36 23	0 25	22 40	0 7	18 14	1 6	18 39	0 36	21 3 0 35	12 11 16 34	4 14	4 14	3 29	12 2 0 59
S 13	3 12	8 0 3 24	14 22 1 6	1 21 8 31 23	0 26	22 39	0 7	18 15	1 6	18 38	0 36	21 3 0 35	12 10 16 34	4 14	4 15	3 31	12 3 0 59
S 14	2 48	11 11 4 10	14 7 1 14	1 3 8 25 23	0 27	22 38	0 7	18 16	1 6	18 37	0 36	21 2 0 35	12 10 16 34	4 14	4 16	3 33	12 4 0 59
M15	2 25	13 55 4 45	13 50 1 22	0 44 8 18 23	26 0 28	22 38	0 7	18 16	1 6	18 37	0 36	21 2 0 35	12 9 16 34	4 14	4 18	3 35	12 5 0 59
T 16	2 1	16 6 5 8	13 32 1 29	0 26 8 10 23	23 0 29	22 37	0 7	18 17	1 6	18 36	0 36	21 2 0 35	12 8 16 34	4 14	4 19	3 37	12 6 0 59
W17	1 37	17 35 5 18	13 12 1 36	0 8 8 2 23	0 31	22 36	0 7	18 18	1 6	18 35	0 36	21 2 0 35	12 8 16 34	4 15	4 20	3 38	12 7 0 59
T 18	1 14	18 15 5 12	12 52 1 42	0s10 7 53 23	8 0 32	22 35	0 6	18 19	1 6	18 34	0 36	21 1 0 35	12 7 16 34	4 15	4 21	3 40	12 8 0 59
F 19	0 50	18 0 4 51	12 29 1 48	0 28 7 44 23	5 0 33	22 34	0 6	18 20	1 6	18 34	0 36	21 1 0 35	12 7 16 34	4 14	4 23	3 42	12 9 0 59
S 20	0 26	16 45 4 14	12 6 1 54	0 46 7 33 23	2 0 34	22 34	0 6	18 20	1 6	18 33	0 36	21 1 0 35	12 6 16 34	4 14	4 24	3 44	12 10 0 59
S 21	0 3	14 29 3 21	11 41 1 59	1 3 7 23 23	8 0 35	22 33	0 6	18 21	1 6	18 33	0 36	21 1 0 35	12 5 16 34	4 14	4 25	3 46	12 12 1 0
M22	0n21	11 17 2 14	11 14 2 3	1 19 7 12 23	5 0 37	22 32	0 6	18 22	1 6	18 32	0 36	21 1 0 35	12 5 16 34	4 13	4 26	3 48	12 13 1 0
T 23	0 45	7 17 0 57	10 47 2 7	1 35 7 1 23	1 0 38	22 31	0 6	18 22	1 6	18 31	0 36	21 1 0 35	12 4 16 33	4 13	4 28	3 49	12 14 1 0
W24	1 8	2 45 0s26	10 18 2 11	1 50 6 49 22	7 0 39	22 31	0 6	18 23	1 6	18 31	0 36	21 0 0 35	12 4 16 33	4 13	4 29	3 51	12 15 1 0
T 25	1 32	2n 1 1 48	9 48 2 14	2 5 6 37 22		22 30	0 6	18 23	1 6	18 30			12 3 16 33	4 13	4 30		12 16 1 0
F 26	1 56	6 40 3 3	9 16 2 17	2 19 6 25 22	9 0 42	22 29	0 6	18 24	1 6	18 29	0 36	21 0 0 35	12 2 16 33	4 14	4 31	3 55	12 17 1 0
S 27	2 19	10 49 4 3				22 29	0 6	18 25	1 6		0 36			4 15	4 32		12 18 1 0
S 28	2 43	14 13 4 47	8 10 2 21	2 44 6 1 22	0 44	22 28	0 6	18 25	1 6	18 28	0 36	21 0 0 35	12 1 16 33	4 16	4 34	3 58	12 19 1 0
M29	3 6	16 39 5 11	7 35 2 23	2 56 5 48 22	5 0 46	22 27	0 5	18 25	1 6	18 28	0 37	21 0 0 35	12 1 16 33	4 16	4 35	4 0	12 20 1 0
T 30	3 29	18 0 5 16	6 59 2 23	3 7 5 36 22	0 0 47	22 26	0 5	18 26	1 6	18 27	0 37	20 59 0 35	12 0 16 33	4 17	4 36	4 2	12 22 1 0
W31	3n53	18n17 5s 2	6 s 2 1 2 s 2 4	3 s17 5n23 22 s	25 0 s48	22 s26	0n 5	18n26	1n 6	18 s27	0 s 3 7	20 s59 0n35	12s 0 16s33	4n17	4n37	4s 4	12n23 1s 0

Julian Day Number = 2389512.5, Delta T = 10.59 sec Ecliptic obliquity =  $23^{\circ}27'32$ , Nutation = -  $0^{\circ}00'02$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $22^{\circ}22'08$ , Lahiri =  $21^{\circ}29'08$ 

APRIL 1830 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	¥	Р	ß	Ω	Ç	ę,	Day
T 1	12 35 23	10 <b>Y</b> 46'16	199518	21 <b>米</b> 9	8 <b>)</b> 56	22 <b>ප</b> 51	15 <b>る</b> 57	11°R22	9≈40	22 <b>궁</b> 38	8 <b>Υ</b> 6	19 <b>m</b> )11	18 <b>m</b> )16	16 <b>♀</b> 3	5 <b>8</b> 26	T 1
F 2	12 39 20	11°45'23	2 <b>Ω</b> 3	22°48	9° 5	23°31	16° 3	11 <b>Ω</b> 21	9°42	22°38	8° 8	19°12	18°13	16° 9	5°30	F 2
S 3	12 43 16	12°44'27	14°29	24°29	9°16	24°11	16° 9	11°19	9°44	22°39	8° 9	19°13	18° 9	16°16	5°33	S 3
S 4	12 47 13	13°43'30	26°41	26°11	9°29	24°51	16°14	11°18	9°46	22°40	8°10	19°15	18° 6	16°22	5°37	S 4
M 5	12 51 9	14°42'30	8 mp 42	27°54	9°45	25°30	16°20	11°18	9°48	22°41	8°12	19°16	18° 3	16°29	5°41	M 5
T 6	12 55 6	15°41'27	20°37	29°39	10° 2	26°10	16°25	11°17	9°50	22°41	8°13	19°R17	18° 0	16°36	5°45	T 6
W 7	12 59 2	16°40'23	2 <b>≙</b> 27	1 <b>Y</b> 26	10°21	26°50	16°31	11°16	9°52	22°42	8°15	19°16	17°57	16°42	5°48	W 7
T 8	13 2 59	17°39'17	14°16	3°14	10°42	27°29	16°36	11°15	9°53	22°42	8°16	19°14	17°53	16°49	5°52	T 8
F 9	13 6 55	18°38'08	26° 5	5° 3	11° 5	28° 9	16°41	11°15	9°55	22°43	8°18	19°10	17°50	16°56	5°56	F 9
S 10	13 10 52	19°36'58	7 <b>M</b> 57	6°54	11°30	28°49	16°45	11°15	9°57	22°43	8°19	19° 5	17°47	17° 2	6° 0	S 10
S 11	13 14 48	20°35'45	19°53	8°46	11°56	29°28	16°50	11°14	9°59	22°44	8°21	19° 0	17°44	17° 9	6° 4	S 11
M12	13 18 45	21°34'31	1 <b>₹</b> 55	10°40	12°24	0≈ 8	16°54	11°14	10° 0	22°44	8°22	18°54	17°41	17°16	6° 7	M12
T 13	13 22 42	22°33'15	14° 7	12°36	12°54	0°48	16°59	11°D14	10° 2	22°45	8°23	18°49	17°38	17°22	6°11	T 13
W14	13 26 38	23°31'57	26°30	14°33	13°25	1°27	17° 3	11°14	10° 3	22°45	8°25	18°44	17°34	17°29	6°15	W14
T 15	13 30 35	24°30'38	9 <b>ਰ</b> 7	16°31	13°57	2° 7	17° 7	11°14	10° 5	22°46	8°26	18°42	17°31	17°36	6°19	T 15
F 16	13 34 31	25°29'17	22° 2	18°31	14°31	2°46	17°10	11°15	10° 6	22°46	8°28	18°D40	17°28	17°42	6°23	F 16
S 17	13 38 28	26°27'54	5≈18	20°32	15° 6	3°26	17°14	11°15	10° 8	22°46	8°29	18°41	17°25	17°49	6°27	S 17
S 18	13 42 24	27°26'30	18°57	22°35	15°42	4° 5	17°17	11°15	10° 9	22°46	8°31	18°42	17°22	17°56	6°31	S 18
M19	13 46 21	28°25'03	3 <b>光</b> 1	24°39	16°20	4°45	17°20	11°16	10°10	22°47	8°32	18°43	17°19	18° 2	6°35	M19
T 20	13 50 17	29°23'36	17°30	26°44	16°59	5°24	17°23	11°17	10°12	22°47	8°33	18°R44	17°15	18° 9	6°39	T 20
W21	13 54 14	0822'06	2 <b>Y</b> 20	28°50	17°39	6° 3	17°26	11°18	10°13	22°47	8°35	18°43	17°12	18°16	6°43	W21
T 22	13 58 11	1°20'35	17°27	0 <b>8</b> 57	18°20	6°43	17°29	11°19	10°14	22°47	8°36	18°41	17° 9	18°22	6°46	T 22
F 23	14 2 7	2°19'02	2 <b>8</b> 40	3° 5	19° 2	7°22	17°31	11°20	10°15	22°47	8°37	18°36	17° 6	18°29	6°50	F 23
S 24	14 6 4	3°17'27	17°50	5°14	19°45	8° 1	17°34	11°21	10°16	22°47	8°39	18°30	17° 3	18°36	6°54	S 24
S 25	14 10 0	4°15'50	2 <b>Ⅱ</b> 47	7°22	20°29	8°40	17°36	11°22	10°17	22°R47	8°40	18°23	16°59	18°42	6°58	S 25
M26	14 13 57	5°14'12	17°23	9°31	21°13	9°19	17°38	11°23	10°18	22°47	8°41	18°16	16°56	18°49	7° 2	M26
T 27	14 17 53	6°12'31	19532	11°40	21°59	9°58	17°39	11°25	10°19	22°47	8°43	18°10	16°53	18°56	7° 6	T 27
W28	14 21 50	7°10'48	15°11	13°48	22°46	10°37	17°41	11°26	10°20	22°47	8°44	18° 6	16°50	19° 2	7°10	W28
T 29	14 25 46	8° 9'04	28°22	15°56	23°33	11°16	17°42	11°28	10°21	22°47	8°45	18° 4	16°47	19° 9	7°14	T 29
F 30	14 29 43	9 <b>8</b> 7'17	11 <b>0</b> 8	18 <b>8</b> 2	24 <b>)</b> (21	11≈55	17 <b>云</b> 43	11 <b>£</b> 30	10≈22	22 <b>궁</b> 47	8 <b>Ƴ</b> 47	18°D 3	16 <b>M</b> )44	19 <b>≏</b> 16	7 <b>8</b> 18	F 30

Day	0	D	ğ	Q.	ď	4	ħ	)f(	<del>1,</del>	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
T 1	4n16	17n33 4s34				22 s25 On 5			20 s 59 0 n 3 5		4n17 4n3		
F 2	4 39	15 57 3 52	5 3 2 23			22 25 0 5			20 59 0 35		4 17 4 4	-	
S 3	5 2	13 37 3 0	4 22 2 22	2 3 41 4 46	22 9 0 52	22 24 0 5	18 27 1 6	18 25 0 37	20 59 0 35	11 58 16 33	4 16 4 4	1 4 9	12 26 1 0
S 4	5 25	10 44 2 1	3 40 2 2	1 3 48 4 34	22 3 0 54	22 23 0 5	18 28 1 6	18 25 0 37	20 59 0 35	11 57 16 33	4 16 4 4	2 4 11	12 27 1 0
M 5	5 48	7 25 0 58	2 57 2 19	9 3 53 4 21		22 23 0 5	18 28 1 6	18 24 0 37	20 59 0 35	11 57 16 34	4 15 4 4	4 4 13	12 29 1 0
T 6	6 11	3 50 On 7	2 13 2 10			22 22 0 5	18 28 1 6	18 24 0 37	20 58 0 35	11 56 16 34	4 15 4 4	5 4 15	12 30 1 0
W 7	6 34	0 7 1 12	1 28 2 13	3 4 2 3 57	21 45 0 58	22 22 0 5	18 28 1 6	18 23 0 37	20 58 0 35	11 56 16 34	4 15 4 4	6 4 17	12 31 1 0
T 8	6 56	3 s 3 5 2 1 3	0 42 2 10	0 4 5 3 46	21 39 0 59	22 21 0 4	18 28 1 6	18 23 0 37	20 58 0 35	11 55 16 34	4 16 4 4	7 4 19	12 32 1 0
F 9	7 19	7 9 3 8	0n 5 2 0	5 4 7 3 34	21 32 1 1	22 21 0 4	18 28 1 6	18 22 0 37	20 58 0 35	11 55 16 34	4 17 4 4	9 4 20	12 33 1 1
S 10	7 41	10 27 3 56	0 53 2	1 4 8 3 22	21 26 1 2	22 20 0 4	18 28 1 6	18 22 0 37	20 58 0 35	11 54 16 34	4 19 4 5	0 4 22	12 35 1 1
S 11	8 3	13 20 4 33	1 42 1 50	6 4 9 3 11	21 19 1 4	22 20 0 4	18 28 1 6	18 21 0 37	20 58 0 35	11 54 16 34	4 22 4 5	1 4 24	12 36 1 1
M12	8 25	15 41 4 58	2 32 1 50	0 4 8 3 0	21 12 1 5	22 19 0 4	18 29 1 6	18 21 0 37	20 58 0 35	11 53 16 34	4 24 4 5	2 4 26	12 37 1 1
T 13	8 47	17 22 5 11	3 23 1 44	4 4 7 2 49	21 5 1 7	22 19 0 4	18 29 1 6	18 20 0 37	20 58 0 35	11 53 16 34	4 26 4 5	4 4 28	12 38 1 1
W14	9 9	18 16 5 9	4 14 1 38	8 4 5 2 38	20 58 1 8	22 18 0 4	18 28 1 6	18 20 0 37	20 58 0 35	11 52 16 34	4 28 4 5	5 4 30	12 39 1 1
T 15	9 30	18 17 4 52	5 6 1 3	1 4 3 2 28	20 50 1 10	22 18 0 4	18 28 1 6	18 20 0 37	20 58 0 35	11 52 16 34	4 29 4 5	6 4 31	12 41 1 1
F 16	9 52	17 22 4 21	5 59 1 23	3 3 59 2 17	20 43 1 11	22 18 0 4	18 28 1 6	18 19 0 37	20 58 0 35	11 52 16 34	4 29 4 5	7 4 33	12 42 1 1
S 17	10 13	15 29 3 35	6 52 1 13	5 3 55 2 7	20 35 1 13	22 17 0 4	18 28 1 6	18 19 0 37	20 58 0 35	11 51 16 34	4 29 4 5	9 4 35	12 43 1 1
S 18	10 34	12 42 2 35	7 46 1	7 3 50 1 57	20 27 1 14	22 17 0 3	18 28 1 6	18 19 0 37	20 57 0 35	11 51 16 35	4 28 5	0 4 37	12 44 1 1
M19	10 55	9 5 1 25	8 39 0 58	3 45 1 47	20 19 1 16	22 17 0 3	18 28 1 6	18 18 0 37	20 57 0 35	11 50 16 35	4 28 5	1 4 39	12 46 1 1
T 20	11 16	4 50 0 7	9 33 0 49	9 3 39 1 38	20 11 1 18	22 16 0 3	18 28 1 6	18 18 0 37	20 57 0 35	11 50 16 35	4 28 5	2 4 41	12 47 1 1
W21	11 37	0 11 1s13	10 28 0 39	9 3 32 1 28	20 3 1 19	22 16 0 3	18 27 1 6	18 18 0 37	20 57 0 35	11 49 16 35	4 28 5	4 4 42	12 48 1 1
T 22	11 57	4n33 2 29	11 22 0 29	9 3 24 1 19	19 55 1 21	22 16 0 3	18 27 1 6	18 17 0 37	20 57 0 35	11 49 16 35	4 29 5	5 4 44	12 49 1 1
F 23	12 17	9 2 3 35	12 15 0 19	9 3 16 1 10	19 46 1 22	22 16 0 3	18 27 1 6	18 17 0 37	20 57 0 35	11 49 16 35	4 31 5	6 4 46	12 50 1 2
S 24	12 37	12 54 4 26	13 8 0 9	9 3 7 1 2	19 38 1 24	22 16 0 3	18 26 1 6	18 17 0 37	20 57 0 35	11 48 16 35	4 33 5	7 4 48	12 52 1 2
S 25	12 57	15 52 4 57	14 1 0n 2	2 58 0 53	19 29 1 26	22 15 0 3	18 26 1 6	18 17 0 37	20 57 0 35	11 48 16 35	4 36 5	8 4 50	12 53 1 2
M26	13 17	17 44 5 9	14 52 0 13	3 2 48 0 45	19 20 1 27	22 15 0 3	18 26 1 5	18 16 0 37	20 57 0 35	11 47 16 36	4 39 5 1	0 4 51	12 54 1 2
T 27	13 36	18 27 5 0	15 43 0 23	3 2 37 0 37	19 12 1 29	22 15 0 2	18 25 1 5	18 16 0 38	20 57 0 35	11 47 16 36	4 41 5 1	1 4 53	12 55 1 2
W28	13 55	18 2 4 35	16 32 0 34	4 2 26 0 29	19 3 1 31	22 15 0 2	18 25 1 5	18 16 0 38	20 57 0 35	11 47 16 36	4 42 5 1	2 4 55	12 57 1 2
T 29	14 14	16 39 3 56	17 20 0 45	5 2 15 0 21	18 53 1 32	22 15 0 2	18 24 1 5	18 16 0 38	20 57 0 35	11 46 16 36	4 43 5 1	3 4 57	12 58 1 2
F 30	14n33	14n28 3s 6	18n 6 0n5	5 2s 2 0n13	18 s44 1 s34	22 s15 0n 2	18n24 1n 5	18 s16 0 s38	20 s57 0n35	11 s46 16 s36	4n44 5n1	5 4s59	12n59 1s 2
	<u> </u>					1		1					

Julian Day Number = 2389543.5, Delta T = 10.54 sec Ecliptic obliquity =  $23^{\circ}27'32$ , Nutation =  $-0^{\circ}00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $22^{\circ}22'12$ , Lahiri =  $21^{\circ}29'12$ 

MAY 1830 00:00 UT

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Day	Sid.t	0	D	ğ	·	ð	4	ħ	)Å(	并	В	₽.	v	Ç	ķ	Day
S 1	14 33 40	10 <b>8</b> 5'28	23 <b>N</b> 32	20 <b>8</b> 7	25 <b>米</b> 10	12 <b>≈</b> 34	17 <b>云</b> 44	11 <b>0</b> 32	10≈23	22°R47	8 <b>Υ</b> 48	18 <b>m</b> ) 4	16 <b>M</b> )40	19 <b>≏</b> 22	7 <b>8</b> 22	S 1
S 2	14 37 36	11° 3'37	5 Mp 40	22°10	26° 0	13°13	17°45	11°34	10°23	22 <b>3</b> 47	8°49	18° 5	16°37	19°29	7°26	S 2
M 3	14 41 33	12° 1'44	17°37	24°11	26°50	13°51	17°46	11°36	10°24	22°46	8°51	18°R 6	16°34	19°36	7°30	M 3
T 4	14 45 29	12°59'49	29°27	26°11	27°41	14°30	17°46	11°38	10°25	22°46	8°52	18° 5	16°31	19°42	7°34	T 4
W 5	14 49 26	13°57'52	11 <b>≏</b> 14	28° 7	28°33	15° 9	17°46	11°40	10°25	22°46	8°53	18° 2	16°28	19°49	7°38	W 5
T 6	14 53 22	14°55'54	23° 3	0 <b>I</b> I 1	29°25	15°47	17°R46	11°42	10°26	22°45	8°54	17°57	16°25	19°56	7°42	T 6
F 7	14 57 19	15°53'54	4ML55	1°52	0 <b>Υ</b> 18	16°26	17°46	11°45	10°26	22°45	8°55	17°50	16°21	20° 2	7°46	F 7
S 8	15 1 15	16°51'52	16°53	3°40	1°11	17° 4	17°46	11°48	10°26	22°45	8°57	17°40	16°18	20° 9	7°50	S 8
S 9	15 5 12	17°49'49	28°58	5°25	2° 5	17°42	17°45	11°50	10°27	22°44	8°58	17°29	16°15	20°16	7°54	S 9
M10	15 9 9	18°47'44	111/11	7° 7	3° 0	18°21	17°45	11°53	10°27	22°44	8°59	17°18	16°12	20°22	7°58	M10
T 11	15 13 5	19°45'38	23°34	8°46	3°55	18°59	17°44	11°56	10°27	22°43	9° 0	17° 7	16° 9	20°29	8° 1	T 11
W12	15 17 2	20°43'30	6 <b>ප</b> 7	10°20	4°50	19°37	17°43	11°59	10°28	22°43	9° 1	16°58	16° 5	20°36	8° 5	W12
T 13	15 20 58	21°41'21	18°53	11°52	5°46	20°15	17°41	12° 2	10°28	22°42	9° 3	16°52	16° 2	20°42	8° 9	T 13
F 14	15 24 55	22°39'11	1≈52	13°20	6°43	20°53	17°40	12° 5	10°28	22°42	9° 4	16°47	15°59	20°49	8°13	F 14
S 15	15 28 51	23°36'59	15° 8	14°44	7°40	21°31	17°38	12° 8	10°28	22°41	9° 5	16°46	15°56	20°56	8°17	S 15
S 16	15 32 48	24°34'47	28°41	16° 5	8°37	22° 9	17°36	12°12	10°R28	22°40	9° 6	16°D45	15°53	21° 2	8°21	S 16
M17	15 36 44	25°32'33	12 <b>)</b> 35	17°21	9°35	22°46	17°34	12°15	10°28	22°40	9° 7	16°R46	15°50	21° 9	8°25	M17
T 18	15 40 41	26°30'18	26°49	18°34	10°33	23°24	17°32	12°19	10°28	22°39	9° 8	16°45	15°46	21°16	8°29	T 18
W19	15 44 38	27°28'02	11 <b>Y</b> 22	19°44	11°32	24° 2	17°30	12°22	10°28	22°38	9° 9	16°43	15°43	21°22	8°32	W19
T 20	15 48 34	28°25'45	26°12	20°49	12°31	24°39	17°27	12°26	10°27	22°38	9°10	16°39	15°40	21°29	8°36	T 20
F 21	15 52 31	29°23'27	11811	21°50	13°30	25°16	17°24	12°30	10°27	22°37	9°11	16°32	15°37	21°36	8°40	F 21
S 22	15 56 27	0Д21'08	26°11	22°48	14°30	25°54	17°22	12°34	10°27	22°36	9°12	16°23	15°34	21°42	8°44	S 22
S 23	16 0 24	1°18'48	11 <b>I</b> I 3	23°41	15°30	26°31	17°18	12°38	10°27	22°35	9°13	16°12	15°30	21°49	8°47	S 23
M24	16 4 20	2°16'26	25°38	24°30	16°30	27° 8	17°15	12°42	10°26	22°34	9°14	16° 1	15°27	21°56	8°51	M24
T 25	16 8 17	3°14'03	99548	25°15	17°31	27°45	17°12	12°46	10°26	22°33	9°15	15°52	15°24	22° 3	8°55	T 25
W26	16 12 13	4°11'39	23°32	25°55	18°32	28°21	17° 8	12°50	10°25	22°32	9°16	15°44	15°21	22° 9	8°59	W26
T 27	16 16 10	5° 9'13	6 <b>Ω</b> 46	26°31	19°33	28°58	17° 4	12°54	10°25	22°31	9°17	15°39	15°18	22°16	9° 2	T 27
F 28	16 20 7	6° 6'46	19°35	27° 3	20°34	29°34	17° 0	12°59	10°24	22°31	9°18	15°37	15°15	22°23	9° 6	F 28
S 29	16 24 3	7° 4'18	2 Mg 2	27°30	21°36	0 <b>∺</b> 11	16°56	13° 3	10°23	22°30	9°19	15°36	15°11	22°29	9°10	S 29
S 30	16 28 0	8° 1'48	14°10	27°53	22°38	0°47	1 <u>6</u> °52	13° 8	10°23	2 <u>2°</u> 28	9°20	15°36	15° 8	22°36	9°13	S 30
M31	16 31 56	8 <b>Ⅱ</b> 59'16	26Mp 7	28 <b>I</b> I11	23 <b>Y</b> 40	1 <b>∺</b> 23	16 <b>ප</b> 47	13 <b>Ω</b> 12	10≈22	22 <b>궁</b> 27	9 <b>Υ</b> 20	15 <b>M</b> 35	15 <b>m</b> 5	22 <b>≏</b> 43	9 <b>8</b> 17	M31

Day	0	D		<b></b>	P	)	C	7	2	+		<del>լ</del>	)	f(	4	(	Р		U	Ω	Ç	Š	
	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	dec	lat	decl	lat	decl	lat	decl l	lat	decl	decl	decl	decl	lat
S 1	14n51	11n40 2	s 9 18n50	1n 5	1 s50	0n 6	18 s35	1 s36	22 s15	0n 2	2 18n2	1n 5	18 s15	0s38	20s57	0n35	11 s46	16s37	4n43	5n16	5 s 1	13n 0	1 s 2
S 2	15 9	8 25 1	7 19 32	1 15	1 37	0 s 1	18 26	1 38	22 15	0 2	18 2	1 5	18 15	0 38	20 57	0 35	11 45	16 37	4 43	5 17	5 2	13 1	1 2
M 3	15 27	4 51 0			1 23		18 16		22 15		2 18 2		18 15		20 57	0 35			4 43	5 18	5 4		1 2
T 4 W 5	15 45 16 3		n 1 20 49		1 9	0 15			22 15 22 15		2 18 2 1 18 2		18 15		20 57	0 35			4 43	5 20	5 6 5 8	_	1 2
T 6	16 3 16 20		1 21 24 56 21 57		0 54 0 40		17 57 17 47		22 15		1 18 2 1 18 2		18 15 18 15		20 57 20 57	0 35 0 35			4 44 46	5 21 5 22		13 6	1 2
F 7	16 37		44 22 27		0 24		17 37		22 15		1 18 19		18 15		20 58				4 49	5 23		13 7	1 3
S 8	16 53	12 42 4	22 22 54	2 2	0 9	0 40	17 27	1 48	22 16	0	18 18	3 1 5	18 15	0 38	20 58	0 35	11 44	16 38	4 53	5 25	5 13	13 9	1 3
S 9	17 10	15 15 4	48 23 19	2 8	0n 8	0 46	17 17	1 50	22 16	0	18 1	3 1 5	18 15	0 38	20 58	0 35	11 43	16 38	4 57	5 26	5 15	13 10	1 3
M10	17 26	17 9 5			0 24				22 16	0			18 15		20 58	0 35			5 1	5 27		13 11	1 3
T 11	17 41			/	0 41		16 57		22 16		18 1		18 15		20 58	0 35			5 5	5 28		13 12	1 3
W12 T 13			47 24 19 18 24 35		0 58 1 16		16 47 16 36		22 17 22 17		1 18 1: 0 18 1		18 15 18 15		20 58 20 58	0 35	11 43 11 42		5 9 5 12	5 29 5 31		13 13 13 14	1 3
F 14			35 24 48		1 33		16 26		22 17		18 1		18 15		20 58		11 42		5 13	5 32		13 16	1 3
S 15	18 42	13 46 2	40 24 58	2 24	1 51	1 17	16 16	2 2	22 17	0 (	18 1	2 1 5	18 15	0 38	20 58	0 35	11 42	16 40	5 14	5 33	5 26	13 17	1 3
S 16	18 56	10 28 1	35 25	2 24	2 10	1 22	16 5	2 3	22 18	0 (	18 1	1 1 5	18 15	0 38	20 58	0 35	11 42	16 40	5 14	5 34	5 28	13 18	1 3
M17	19 10		22 25 14		2 28				22 18	0s (	-	_	18 15		20 58	0 35			5 14	5 36		13 19	1 4
T 18	19 23		s53 25 18		2 47	-	-		22 19		18		18 15		20 58	0 35			5 14	5 37		13 20	1 4
W19 T 20	19 37 19 50	2n33 2 7 7 3	7 25 21 13 25 22		3 7 3 26		15 33 15 23		22 19 22 20				18 15 18 15		20 59 20 59	0 35 0 35			5 15 5 16	5 38 5 39		13 21 13 22	1 4
F 21		11 17 4			3 45		15 12		22 20		1 18		18 15		20 59		11 41		5 19	5 41		13 23	1 4
S 22	20 14	14 43 4	43 25 19	2 4	4 5	1 46	15 1		22 21	0	18	1 5	18 15		20 59	0 35	11 41	16 41	5 23	5 42	5 39	13 25	1 4
S 23	20 26	17 9 5	1 25 15	1 57	4 25	1 50	14 50	2 17	22 21	0	1 18	1 1 5	18 15	0 38	20 59	0 35	11 41	16 42	5 27	5 43	5 41	13 26	1 4
	20 38	18 26 4	58 25 10	1 49	4 45		-		22 22	0	1 18	3 1 5			20 59	0 35	11 41	16 42	5 31	5 44	5 42	13 27	1 4
_	20 49		36 25 3		5 5					0		2 1 5			20 59	0 35			5 35	5 45		13 28	1 4
			59 24 55 10 24 46		5 26 5 46		-		22 23 22 23	0	1 18 0	_	18 16 18 16		20 59 21 0	0 35		-	5 38 5 40	5 47 5 48		13 29 13 30	1 5
			13 24 36		6 7		13 56		22 23		2 17 5	_	18 16			0 35	-	-	5 41	5 49		13 31	1 5
	21 30		11 24 25		6 28		13 45		22 25		2 17 5		18 16						5 41	5 50		13 32	1 5
S 30	21 40	6 7 0	8 24 12	0 46	6 48	2 10	13 34	2 32	22 25	0 2	2 17 5	1 5	18 16	0 39	21 0	0 35	11 40	16 44	5 41	5 52	5 53	13 33	1 5
M31	21n49	2n24 0	n56 23n59	0n32	7n 9	2s12	13 s23	2 s34	22 s26	0 s 2	2 17n5	1n 5	18 s17	0s39	21s 0	0n35	11 s40	16 s44	5n41	5n53	5 s 5 5	13n34	1 s 5

Julian Day Number = 2389573.5, Delta T = 10.49 sec Ecliptic obliquity =  $23^{\circ}27'32$ , Nutation =  $-0^{\circ}00'05$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $22^{\circ}22'16$ , Lahiri =  $21^{\circ}29'16$ 

JUNE 1830 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)Å(	并	В	N.	v	Ç	ę,	Day
T 1	16 35 53	9∏56'44	7 <b>≙</b> 57	28 <b>Ⅱ</b> 24	24 <b>Y</b> 43	1 <b>米</b> 59	16°R43	13 <b>Ω</b> 17	10°R21	22°R26	9Υ21	15°R34	15 <b>m</b> 2	22 <b>_2</b> 49	9 <b>8</b> 20	T 1
W 2	16 39 49	10°54'10	19°45	28°33	25°46	2°35	16 <b>궁</b> 38	13°22	10≈21	22 <b>る</b> 25	9°22	15 <b>m</b> 30	14°59	22°56	9°24	W 2
T 3	16 43 46	11°51'35	1 <b>M</b> .36	28°R37	26°49	3°10	16°33	13°27	10°20	22°24	9°23	15°24	14°56	23° 3	9°27	T 3
F 4	16 47 42	12°48'59	13°33	28°36	27°52	3°46	16°28	13°32	10°19	22°23	9°24	15°15	14°52	23° 9	9°31	F 4
S 5	16 51 39	13°46'23	25°38	28°31	28°55	4°21	16°23	13°37	10°18	22°22	9°24	15° 3	14°49	23°16	9°34	S 5
S 6	16 55 36	14°43'45	7 <b>.</b> ₹54	28°22	29°59	4°56	16°17	13°42	10°17	22°21	9°25	14°51	14°46	23°23	9°38	S 6
M 7	16 59 32	15°41'06	20°22	28° 9	18 3	5°31	16°12	13°47	10°16	22°20	9°26	14°37	14°43	23°29	9°41	M 7
T 8	17 3 29	16°38'27	3ਰ 1	27°51	2° 7	6° 6	16° 6	13°52	10°15	22°18	9°26	14°25	14°40	23°36	9°44	T 8
W 9	17 7 25	17°35'47	15°51	27°30	3°12	6°41	16° 0	13°57	10°14	22°17	9°27	14°14	14°36	23°43	9°48	W 9
T 10	17 11 22	18°33'06	28°53	27° 6	4°16	7°16	15°54	14° 3	10°12	22°16	9°28	14° 6	14°33	23°49	9°51	T 10
F 11	17 15 18	19°30'25	12≈ 6	26°39	5°21	7°50	15°48	14° 8	10°11	22°15	9°28	14° 0	14°30	23°56	9°54	F 11
S 12	17 19 15	20°27'43	25°32	26° 9	6°26	8°24	15°42	14°14	10°10	22°13	9°29	13°57	14°27	24° 3	9°58	S 12
S 13	17 23 11	21°25'01	9 <b>米</b> 9	25°38	7°31	8°58	15°36	14°19	10° 9	22°12	9°30	13°57	14°24	24° 9	10° 1	S 13
M14	17 27 8	22°22'18	23° 0	25° 5	8°36	9°32	15°29	14°25	10° 7	22°11	9°30	13°57	14°21	24°16	10° 4	M14
T 15	17 31 5	23°19'35	7 <b>Υ</b> 6	24°31	9°42	10° 5	15°23	14°31	10° 6	22° 9	9°31	13°56	14°17	24°23	10° 7	T 15
W16	17 35 1	24°16'52	21°24	23°57	10°47	10°39	15°16	14°36	10° 5	22° 8	9°31	13°54	14°14	24°29	10°10	W16
T 17	17 38 58	25°14'09	5 <b>8</b> 54	23°23	11°53	11°12	15°10	14°42	10° 3	22° 6	9°32	13°50	14°11	24°36	10°13	T 17
F 18	17 42 54	26°11'25	20°30	22°50	12°59	11°45	15° 3	14°48	10° 2	22° 5	9°32	13°43	14° 8	24°43	10°16	F 18
S 19	17 46 51	27° 8'42	5 <b>Ⅱ</b> 8	22°18	14° 5	12°17	14°56	14°54	10° 0	22° 4	9°33	13°33	14° 5	24°49	10°19	S 19
S 20	17 50 47	28° 5'58	19°41	21°49	15°11	12°50	14°49	15° 0	9°59	22° 2	9°33	13°23	14° 2	24°56	10°22	S 20
M21	17 54 44	29° 3'13	4 <b>95</b> 0	21°22	16°18	13°22	14°42	15° 6	9°57	22° 1	9°34	13°12	13°58	25° 3	10°25	M21
T 22	17 58 40	09 0'29	18° 0	20°58	17°24	13°54	14°35	15°12	9°55	21°59	9°34	13° 2	13°55	25° 9	10°28	T 22
W23	18 2 37	0°57'43	1 <b>Ω</b> 37	20°37	18°31	14°25	14°27	15°19	9°54	21°58	9°34	12°54	13°52	25°16	10°31	W23
T 24	18 6 34	1°54'58	14°49	20°20	19°38	14°57	14°20	15°25	9°52	21°56	9°35	12°48	13°49	25°23	10°34	T 24
F 25	18 10 30	2°52'11	27°37	20° 7	20°45	15°28	14°13	15°31	9°50	21°55	9°35	12°45	13°46	25°29	10°37	F 25
S 26	18 14 27	3°49'25	10 <b>m</b> ) 5	19°58	21°52	15°59	14° 5	15°37	9°49	21°53	9°35	12°D45	13°42	25°36	10°39	S 26
S 27	18 18 23	4°46'38	22°15	19°D53	22°59	16°29	13°58	15°44	9°47	21°52	9°36	12°45	13°39	25°43	10°42	S 27
M28	18 22 20	5°43'50	4 <b>₽</b> 13	19°54	24° 6	16°59	13°50	15°50	9°45	21°50	9°36	12°R45	13°36	25°50	10°45	M28
T 29	18 26 16	6°41'02	16° 5	19°59	25°14	17°29	1 <u>3</u> °43	15°57	9°43	2 <u>1°</u> 49	9°36	12°45	13°33	25°56	10°47	T 29
W30	18 30 13	7938'13	27 <b>Ω</b> 55	20 <b>I</b> 9	26 <b>8</b> 21	17 <b>米</b> 59	13 <b>る</b> 35	$16\Omega$ 3	9≈41	21 <b>る</b> 47	9 <b>Υ</b> 37	12 <b>m</b> 43	13 <b>m</b> 30	26 <b>♀</b> 3	10 <b>8</b> 50	W30

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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 lat
T 1 W 2	21n58 22 6		23n45 0n18 23 30 0 3			22 s27 0 s 2 22 28 0 2			21 s 0 0n35 21 1 0 35		5n42 5n54 5 43 5 55		13n35 1s 5 13 36 1 5
T 3		11 51 4 16	23 15 0s12 22 59 0 28	8 8 33 2 20	12 40 2 43	22 28 0 2 22 29 0 3	17 48 1 4	18 18 0 39	21 1 0 35	11 40 16 45	5 46 5 57 5 49 5 58	6 2	13 37 1 5 13 38 1 6
S 5 S 6	22 35	16 45 4 58	22 42 0 45 22 26 1 1	9 15 2 23	12 18 2 47		17 45 1 4		21 1 0 35	11 40 16 46	5 54 5 59 5 58 6 0	6 6	13 40 1 6
M 7 T 8 W 9	22 47		22 8 1 18 21 51 1 36 21 33 1 53	9 57 2 25		22 31 0 3 22 32 0 3 22 33 0 3	17 42 1 4	18 19 0 39	21 2 0 35	11 40 16 47	6 4 6 1 6 8 6 3 6 13 6 4		13 41 1 6 13 42 1 6 13 43 1 6
T 10 F 11	22 58 23 3	16 54 3 34 14 37 2 40	21 16 2 10 20 59 2 26	10 39 2 27 5 10 59 2 28	11 34 2 56 11 24 2 58	22 34 0 3 22 35 0 4	17 39 1 4 17 38 1 4	18 20 0 39 18 20 0 39	21 2 0 35 21 2 0 35	11 40 16 47 11 40 16 48	6 16 6 5 6 18 6 6	6 13 6 15	13 44 1 6 13 45 1 6
S 12 S 13	23 11	7 45 0 25	20 25 2 58	11 41 2 29	11 2 3 3	22 37 0 4	17 34 1 4	18 20 0 39 18 21 0 39	21 3 0 35	11 41 16 48	6 19 6 8 6 19 6 9	6 19	13 46 1 6 13 47 1 7
M14 T 15 W16	23 14 23 17 23 20	3 31 0s48 0n59 1 59 5 30 3 4		12 21 2 30	10 41 3 8	22 37 0 4 22 38 0 4 22 39 0 4	17 31 1 4	18 21 0 39	21 3 0 35	11 41 16 49	6 19 6 10 6 19 6 11 6 20 6 12	6 22	13 48 1 7 13 48 1 7 13 49 1 7
T 17 F 18 S 19	23 22 23 24		19 27 3 51 19 15 4 2	13 2 2 30 13 22 2 30	10 20 3 12 10 10 3 15	22 40 0 4 22 41 0 5 22 42 0 5	17 28 1 4 17 26 1 4	18 22 0 39	21 4 0 35 21 4 0 35	11 41 16 50 11 41 16 50	6 22 6 14 6 25 6 15 6 28 6 16	6 26 6 28	13 50 1 7 13 51 1 7 13 52 1 7
S 20 M21		18 5 5 0	18 55 4 18	3 14 1 2 30		22 43 0 5	17 22 1 4	18 24 0 39	21 4 0 35	11 41 16 51	6 32 6 17 6 37 6 19	6 31	13 53 1 7 13 53 1 8
T 22 W23 T 24	23 27		18 36 4 32	14 58 2 28	9 19 3 27	22 45 0 5 22 46 0 5	17 17 1 4	18 25 0 39	21 5 0 35	11 42 16 52	6 40 6 20 6 43 6 21	6 37	13 54 1 8 13 55 1 8
F 25 S 26	23 27 23 26 23 24	11 4 1 20		15 35 2 27	8 59 3 31	22 47 0 5 22 48 0 6 22 48 0 6	17 13 1 4		21 6 0 35	11 42 16 53	6 45 6 22 6 47 6 23 6 47 6 25	6 40	13 56 1 8 13 56 1 8 13 57 1 8
S 27 M28 T 29	23 22 23 20 23 17	3 51 0n50 0 2 1 52 3 s45 2 48	18 34 4 32 18 37 4 28 18 42 4 24	16 29 2 24		22 49 0 6 22 50 0 6 22 51 0 6	17 8 1 4		21 6 0 35	11 43 16 54	6 47 6 26 6 47 6 27 6 47 6 28	6 46	13 58 1 8 13 58 1 9 13 59 1 9
W30	23n14	7 s22 3n37	18n48 4s18	3 17n 3 2s22	8 s 1 1 3 s 4 4	22 s52 0 s 6	17n 4 1n 4	18 s29 0 s40	21 s 7 0n35	11 s44 16 s54	6n48 6n30	6 s 4 9	14n 0 1s 9

Julian Day Number = 2389604.5, Delta T = 10.44 sec Ecliptic obliquity = 23°27'31, Nutation = -0°00'05, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°22'20, Lahiri = 21°29'21

JULY 1830 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	¥	Р	r	Ω	Ç	ę,	Day
T 1	18 34 9	8935'25	9 <b>M</b> .49	20∏24	27 <b>8</b> 29	18 <b>米</b> 28	13°R27	16 <b>Ω</b> 10	9°R39	21°R46	9 <b>Y</b> 37	12°R38	13 <b>m</b> 27	26 <b>♀</b> 10	10852	T 1
F 2	18 38 6	9°32'36	21°50	20°44	28°36	18°57	13 <b>る</b> 20	16°17	9 <b>≈</b> 37	21 <b>궁</b> 44	9°37	12 <b>m</b> 32	13°23	26°16	10°55	F 2
S 3	18 42 3	10°29'47	4 <b>₹</b> 2	21° 9	29°44	19°26	13°12	16°23	9°35	21°42	9°37	12°23	13°20	26°23	10°57	S 3
S 4	18 45 59	11°26'57	16°29	21°39	0П52	19°54	13° 4	16°30	9°33	21°41	9°37	12°13	13°17	26°30	11° 0	S 4
M 5	18 49 56	12°24'08	29°10	22°14	2° 1	20°22	12°57	16°37	9°31	21°39	9°37	12° 3	13°14	26°36	11° 2	M 5
T 6	18 53 52	13°21'19	12 <b>る</b> 6	22°54	3° 9	20°49	12°49	16°44	9°29	21°38	9°38	11°53	13°11	26°43	11° 4	T 6
W 7	18 57 49	14°18'30	25°17	23°38	4°17	21°17	12°41	16°50	9°27	21°36	9°38	11°44	13° 8	26°50	11° 7	W 7
T 8	19 1 45	15°15'41	8≈41	24°28	5°26	21°43	12°34	16°57	9°25	21°34	9°38	11°38	13° 4	26°56	11° 9	T 8
F 9	19 5 42	16°12'52	22°16	25°22	6°34	22°10	12°26	17° 4	9°23	21°33	9°38	11°34	13° 1	27° 3	11°11	F 9
S 10	19 938	17°10'03	6 <b>₩</b> 0	26°21	7°43	22°36	12°18	17°11	9°21	21°31	9°R38	11°D32	12°58	27°10	11°13	S 10
S 11	19 13 35	18° 7'15	19°53	27°24	8°51	23° 1	12°10	17°18	9°19	21°30	9°38	11°33	12°55	27°16	11°15	S 11
M12	19 17 32	19° 4'28	3Υ53	28°32	10° 0	23°27	12° 3	17°25	9°17	21°28	9°38	11°33	12°52	27°23	11°17	M12
T 13	19 21 28	20° 1'41	18° 0	29°45	11° 9	23°51	11°55	17°32	9°14	21°26	9°38	11°R34	12°48	27°30	11°19	T 13
W14	19 25 25	20°58'55	2811	195 2	12°18	24°16	11°48	17°39	9°12	21°25	9°38	11°34	12°45	27°36	11°21	W14
T 15	19 29 21	21°56'09	16°25	2°24	13°28	24°40	11°40	17°47	9°10	21°23	9°37	11°31	12°42	27°43	11°23	T 15
F 16	19 33 18	22°53'25	0Д41	3°49	14°37	25° 3	11°33	17°54	9° 8	21°21	9°37	11°27	12°39	27°50	11°25	F 16
S 17	19 37 14	23°50'41	14°53	5°19	15°46	25°26	11°25	18° 1	9° 5	21°20	9°37	11°21	12°36	27°56	11°27	S 17
S 18	19 41 11	24°47'57	28°59	6°53	16°56	25°48	11°18	18° 8	9° 3	21°18	9°37	11°14	12°33	28° 3	11°28	S 18
M19	19 45 7	25°45'15	12953	8°31	18° 5	26°10	11°11	18°16	9° 1	21°17	9°37	11° 6	12°29	28°10	11°30	M19
T 20	19 49 4	26°42'33	26°32	10°13	19°15	26°31	11° 4	18°23	8°58	21°15	9°37	11° 0	12°26	28°17	11°32	T 20
W21	19 53 1	27°39'51	9Ω53	11°58	20°24	26°52	10°56	18°30	8°56	21°13	9°36	10°54	12°23	28°23	11°33	W21
T 22	19 56 57	28°37'10	22°54	13°46	21°34	27°12	10°49	18°37	8°54	21°12	9°36	10°51	12°20	28°30	11°35	T 22
F 23	20 0 54	29°34'29	5 <b>m</b> 36	15°38	22°44	27°32	10°42	18°45	8°51	21°10	9°36	10°D49	12°17	28°37	11°36	F 23
S 24	20 4 50	0 <b>Ω</b> 31'49	18° 0	17°32	23°54	27°51	10°36	18°52	8°49	21° 9	9°36	10°50	12°14	28°43	11°38	S 24
S 25	20 8 47	1°29'09	0 <u>₽</u> 9	19°29	25° 4	28°10	10°29	19° 0	8°47	21° 7	9°35	10°51	12°10	28°50	11°39	S 25
M26	20 12 43	2°26'30	12° 8	21°28	26°14	28°28	10°22	19° 7	8°44	21° 5	9°35	10°52	12° 7	28°57	11°40	M26
T 27	20 16 40	3°23'51	24° 0	23°29	27°24	28°45	10°16	19°15	8°42	21° 4	9°35	10°54	12° 4	29° 3	11°41	T 27
W28	20 20 36	4°21'13	5M.51	25°32	28°35	29° 2	10° 9	19°22	8°40	21° 2	9°34	10°R54	12° 1	29°10	11°43	W28
T 29	20 24 33	5°18'36	17°46	27°36	29°45	29°18	10° 3	19°30	8°37	21° 1	9°34	10°53	11°58	29°17	11°44	T 29
F 30	20 28 30	6°15'59	29°49	29°40	0955	29°33	9°56	19°37	8°35	20°59	9°34	10°51	11°54	29°23	11°45	F 30
S 31	20 32 26	7 <b>Ω</b> 13'22	12 <b>×7</b> 5	1 <b>Ω</b> 45	29 6	29 <b>) (</b> 48	9 <b>ප</b> 50	19 <b>Ω</b> 45	8 <b>≈</b> 32	20 <b>궁</b> 58	9 <b>Y</b> 33	10 <b>m</b> 47	11 <b>m</b> 51	29 <b>॒</b> 30	11846	S 31

Day	0	D	ğ	9	♂	4	ħ	)Å(	¥	Р	v v	€ §
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	el decl decl lat
T 1 F 2 S 3	23n11 23 7 23 3	13 39 4 45	19 5 4	3 17 36 2 19	7 53 3 49	22 s53	17 0 1 4	18 s29 0 s40 18 30 0 40 18 30 0 40		11 44 16 55	6n49 6n3 6 52 6 3 6 55 6 3	2 6 53 14 1 1 9
S 4 M 5 T 6 W 7 T 8	22 47 22 41 22 35	18 37 4 51 18 32 4 23 17 28 3 41 15 25 2 47	19 52 3 2 20 5 3 2 20 19 3	35 18 23 2 14 25 18 38 2 13 13 18 53 2 11 1 19 7 2 9	7 26 3 56 7 18 3 59 7 9 4 1 7 1 4 4	22 56 0 7 22 57 0 7 22 58 0 7 22 58 0 7 22 59 0 7	16 54 1 4 16 52 1 4 16 50 1 4 16 47 1 4	18 32 0 40 18 32 0 40 18 33 0 40	21 8 0 35 21 8 0 35 21 9 0 35 21 9 0 35	11 45 16 56 11 45 16 57 11 45 16 57 11 46 16 57	6 59 6 3 7 3 6 3 7 7 6 3 7 10 6 3 7 12 6 3	6 6 58 14 3 1 10 7 7 0 14 4 1 10 8 7 2 14 4 1 10 9 7 3 14 5 1 10
F 9 S 10 S 11 M12	22 28 22 21 22 14 22 6		21 3 2 2	36 19 34 2 5 23 19 46 2 3			16 43 1 5 16 41 1 5		21 9 0 35 21 10 0 35		7 14 6 4 7 14 6 4 7 14 6 4 7 14 6 4	2 7 7 14 6 1 10 3 7 9 14 6 1 10
T 13 W14 T 15 F 16	21 58 21 49 21 40	4n14 3 3 8 31 3 58 12 18 4 39 15 23 5 2	21 31 1 3 21 44 1 4 21 57 1 2	57 20 11 1 59 43 20 22 1 56 29 20 33 1 54 16 20 43 1 52	6 22 4 16 6 14 4 19 6 7 4 21 6 0 4 24 5 53 4 26	23 4 0 8 23 4 0 8 23 5 0 8 23 6 0 9	16 37 1 5 16 35 1 5 16 33 1 5 16 30 1 5	18 36 0 40 18 37 0 40 18 37 0 40 18 38 0 40	21 10 0 35 21 10 0 35 21 10 0 35 21 11 0 35 21 11 0 35 21 11 0 35	11 47 16 59 11 48 17 0 11 48 17 0 11 49 17 0	7 14 6 4 7 14 6 4 7 15 6 4 7 17 6 4 7 19 6 5	5 7 12 14 7 1 11 7 7 14 14 8 1 11 8 7 16 14 8 1 11 9 7 18 14 8 1 11
	21 11 21 1 20 50 20 39	18 34 4 53 18 29 4 22 17 19 3 36	22 28 0 4 22 36 0 3 22 42 0 2 22 46 0 3	49 21 3 1 47 35 21 12 1 44 22 21 20 1 41 10 21 28 1 39	5 47 4 29 5 40 4 31 5 34 4 34 5 28 4 36	23 7 0 9 23 8 0 9	16 26 1 5 16 24 1 5 16 22 1 5 16 19 1 5	18 39 0 40 18 40 0 40 18 40 0 40 18 41 0 40	21 11 0 35 21 12 0 35 21 12 0 35 21 12 0 35 21 12 0 35 21 13 0 35	11 49 17 1 11 50 17 1 11 50 17 2 11 51 17 2	7 22 6 5 7 24 6 5 7 27 6 5 7 29 6 5 7 30 6 5	2 7 21 14 9 1 11 3 7 23 14 10 1 12 4 7 25 14 10 1 12 5 7 27 14 10 1 12
F 23 S 24 S 25	20 15 20 3	9 2 0 28 5 21 0n39	22 47 0 1 22 44 0 2	14 21 42 1 33	5 17 4 41 5 12 4 44	23 11 0 10 23 12 0 10	16 15 1 5 16 13 1 5	18 42 0 40 18 43 0 40	21 13 0 35 21 13 0 35	11 51 17 3 11 52 17 3 11 52 17 4	7 31 6 5 7 31 6 5	8 7 30 14 11 1 12
M26 T 27 W28 T 29 F 30 S 31	19 38 19 25 19 11	6 0 3 34 9 28 4 16 12 33 4 47 15 8 5 6	22 30 0 4 22 20 0 5 22 6 1 21 50 1 1 21 31 1	46     21     59     1     25       56     22     4     1     22       4     22     8     1     19       12     22     11     1     16       19     22     14     1     13	5 2 4 49 4 57 4 51 4 53 4 54 4 48 4 56 4 44 4 59	23 13 0 10 23 14 0 10 23 14 0 10 23 15 0 10 23 16 0 10	16 6 1 5 16 3 1 5 16 1 1 5 15 59 1 5	18 44 0 40 18 45 0 40 18 45 0 40 18 46 0 40 18 47 0 40	21 14 0 35 21 14 0 35 21 14 0 35 21 14 0 35 21 15 0 35	11 53 17 4 11 53 17 4 11 54 17 5	7 29 7	1 7 36 14 12 1 13 2 7 37 14 12 1 13 4 7 39 14 12 1 13 5 7 41 14 12 1 13 6 7 43 14 12 1 13

Julian Day Number = 2389634.5, Delta T = 10.39 sec Ecliptic obliquity =  $23^{\circ}27'31$ , Nutation = -  $0^{\circ}00'05$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $22^{\circ}22'24$ , Lahiri =  $21^{\circ}29'25$ 

AUGUST 1830 00:00 UT

Audi	031 IO3														00.0	0 0.
Day	Sid.t	0	)	ğ	φ	ď	4	ħ	)∤(	并	В	ß	v	Ç	ķ	Day
S 1	20 36 23	8 <b>Ω</b> 10'46	24 <b>∡</b> ³37	3 <b>Ω</b> 51	39916	0 <b>Υ</b> 2	9°R44	19 <b>Ω</b> 52	8°R30	20°R56	9°R33	10°R42	11 <b>m</b> )48	29 <b>≏</b> 37	11847	S 1
M 2	20 40 19	9° 8'12	7 <b>云</b> 28	5°56	4°27	0°16	9 <b>る</b> 39	20° 0	8≈28	20 <b>궁</b> 54	9 <b>Υ</b> 32	10 <b>m</b> 37	11°45	29°43	11°48	M 2
T 3	20 44 16	10° 5'37	20°38	8° 1	5°38	0°28	9°33	20° 7	8°25	20°53	9°32	10°33	11°42	29°50	11°48	T 3
W 4	20 48 12	11° 3'04	4≈ 7	10° 6	6°49	0°40	9°27	20°15	8°23	20°51	9°31	10°28	11°39	29°57	11°49	W 4
T 5	20 52 9	12° 0'32	17°53	12°10	7°59	0°52	9°22	20°23	8°20	20°50	9°31	10°26	11°35	0 <b>m</b> 4	11°50	T 5
F 6	20 56 5	12°58'00	1 <b>米</b> 53	14°13	9°10	1° 2	9°17	20°30	8°18	20°49	9°30	10°24	11°32	0°10	11°51	F 6
S 7	21 0 2	13°55'30	16° 4	16°15	10°21	1°12	9°11	20°38	8°16	20°47	9°30	10°D24	11°29	0°17	11°51	S 7
S 8	21 3 59	14°53'01	0 <b>Υ</b> 21	18°16	11°33	1°21	9° 6	20°45	8°13	20°46	9°29	10°25	11°26	0°24	11°52	S 8
M 9	21 7 55	15°50'34	14°40	20°15	12°44	1°30	9° 2	20°53	8°11	20°44	9°28	10°26	11°23	0°30	11°52	M 9
T 10	21 11 52	16°48'07	28°59	22°14	13°55	1°37	8°57	21° 1	8° 9	20°43	9°28	10°28	11°20	0°37	11°53	T 10
W11	21 15 48	17°45'43	13 <b>8</b> 14	24°11	15° 6	1°44	8°52	21° 8	8° 6	20°41	9°27	10°R28	11°16	0°44	11°53	W11
T 12	21 19 45	18°43'20	27°23	26° 6	16°18	1°50	8°48	21°16	8° 4	20°40	9°26	10°28	11°13	0°50	11°53	T 12
F 13	21 23 41	19°40'58	11 <b>II</b> 24	28° 1	17°29	1°55	8°44	21°24	8° 2	20°39	9°26	10°27	11°10	0°57	11°54	F 13
S 14	21 27 38	20°38'38	25°15	29°53	18°41	1°59	8°40	21°31	7°59	20°37	9°25	10°25	11° 7	1° 4	11°54	S 14
S 15	21 31 34	21°36'20	8956	1 <b>m</b> 45	19°53	2° 3	8°36	21°39	7°57	20°36	9°24	10°23	11° 4	1°10	11°54	S 15
M16	21 35 31	22°34'03	22°23	3°35	21° 4	2° 6	8°32	21°47	7°55	20°35	9°24	10°20	11° 0	1°17	11°54	M16
T 17	21 39 28	23°31'47	5 <b>Ω</b> 37	5°23	22°16	2° 7	8°29	21°54	7°52	20°33	9°23	10°18	10°57	1°24	11°R54	T 17
W18	21 43 24	24°29'33	18°36	7°10	23°28	2° 8	8°25	22° 2	7°50	20°32	9°22	10°16	10°54	1°31	11°54	W18
T 19	21 47 21	25°27'20	1 <b>m</b> 20	8°56	24°40	2°R 8	8°22	22°10	7°48	20°31	9°21	10°15	10°51	1°37	11°54	T 19
F 20	21 51 17	26°25'09	13°49	10°40	25°52	2° 8	8°19	22°17	7°46	20°29	9°21	10°D15	10°48	1°44	11°54	F 20
S 21	21 55 14	27°22'59	26° 6	12°23	27° 4	2° 6	8°16	22°25	7°43	20°28	9°20	10°15	10°45	1°51	11°54	S 21
S 22	21 59 10	28°20'50	8 <b>亞</b> 11	14° 5	28°16	2° 4	8°14	22°33	7°41	20°27	9°19	10°16	10°41	1°57	11°53	S 22
M23	22 3 7	29°18'43	20° 7	15°45	29°28	2° 0	8°11	22°40	7°39	20°26	9°18	10°17	10°38	2° 4	11°53	M23
T 24	22 7 3	0 Mp 16'37	1 <b>M</b> 59	17°24	$0\Omega 40$	1°56	8° 9	22°48	7°37	20°25	9°17	10°19	10°35	2°11	11°52	T 24
W25	22 11 0	1°14'32	13°50	19° 1	1°53	1°51	8° 7	22°56	7°35	20°24	9°16	10°19	10°32	2°17	11°52	W25
T 26	22 14 57	2°12'28	25°44	20°38	3° 5	1°45	8° 5	23° 3	7°33	20°22	9°15	10°20	10°29	2°24	11°52	T 26
F 27	22 18 53	3°10'26	7 <b>.</b> ₹46	22°12	4°17	1°39	8° 3	23°11	7°30	20°21	9°15	10°R20	10°25	2°31	11°51	F 27
S 28	22 22 50	4° 8'26	20° 1	23°46	5°30	1°32	8° 2	23°18	7°28	20°20	9°14	10°19	10°22	2°37	11°50	S 28
S 29	22 26 46	5° 6'26	2 <b>ප</b> 33	25°18	6°42	1°24	8° 0	23°26	7°26	20°19	9°13	10°19	10°19	2°44	11°50	S 29
M30	22 30 43	6° 4'28	1 <u>5</u> °26	26°49	7°55	1°15	<u>7</u> °59	23°34	7°24	2 <u>0</u> °18	9°12	10°18	10°16	2°51	11°49	M30
T 31	22 34 39	7 Mp 2'31	28 <b>궁</b> 41	28 <b>M</b> )19	9 <b>N</b> 8	1 <b>Υ</b> 5	7 <b>云</b> 58	23 <b>Ω</b> 41	7≈22	20중17	9 <b>Ƴ</b> 11	10 <b>m</b> 18	10 <b>m</b> 13	2 <b>M</b> .58	11848	T 31

Day	0	D	ğ	·	♂	4	ħ	)Å(	¥	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	decl decl	lat
S 1 M 2	17 59	18 37 4 39	20 20 1	35 22 19 1 4	4 34 5 6	23 s17 0 s11 23 17 0 11	15 52 1 5	18 49 0 40	21 s15 0n35 21 15 0 35	11 56 17 6	7n33 7n 7 35 7 1	7 48 14 13	1 14
T 3 W 4 T 5	17 44 17 28 17 12	16 14 3 6	19 22 1	39 22 19 1 1 42 22 19 0 58 44 22 18 0 55		23 18 0 11 23 18 0 11 23 19 0 11	15 47 1 6	18 50 0 40	21 16 0 35 21 16 0 35 21 16 0 35	11 57 17 7	7 37 7 1 7 39 7 1 7 40 7 1	2 7 52 14 13	1 14
F 6 S 7	16 56 16 40	10 5 0 47	18 15 1	45 22 16 0 52	4 24 5 14	23 19 0 11 23 20 0 11	15 42 1 6	18 51 0 40	21 16 0 35 21 17 0 35	11 58 17 8	7 40 7 1 7 40 7 1	7 55 14 13	1 14
S 8 M 9 T 10	16 23 16 6 15 49	3n 3 2 57	16 25 1	45 22 8 0 43	4 19 5 21	23 21 0 12	15 35 1 6	18 53 0 40	21 17 0 35 21 17 0 35 21 17 0 35	11 59 17 8	7 40 7 1 7 40 7 1 7 39 7 1	8 8 0 14 13	1 15
W11 T 12	15 31 15 14	11 22 4 40 14 36 5 7	15 5 1 14 24 1	42 22 0 0 37 40 21 54 0 34	4 16 5 25 4 16 5 27	23 21 0 12 23 21 0 12 23 22 0 12	15 30 1 6 15 28 1 6	18 54 0 40 18 55 0 40	21 18 0 35 21 18 0 35	12 1 17 9 12 1 17 9	7 39 7 2 7 39 7 2	1 8 4 14 13 2 8 6 14 13	1 15 1 15
F 13 S 14	14 37	18 18 5 5	12 59 1	34 21 42 0 27	4 15 5 30		15 23 1 6	18 56 0 40	21 18 0 35 21 18 0 35	12 2 17 10	7 39 7 2 7 40 7 2	8 9 14 13	1 16
S 15 M16 T 17	14 0		11 32 1	30     21     35     0     24       25     21     27     0     21       21     21     19     0     18	4 16 5 33		15 18 1 6	18 57 0 40	21 18 0 35 21 19 0 35 21 19 0 35	12 3 17 11	7 41 7 2 7 42 7 2 7 43 7 2	8 13 14 13	1 16
W18 T 19 F 20	13 22 13 3 12 43	10 15 0 49	9 19 1	16 21 10 0 15 10 21 1 0 12 5 20 51 0 9	4 19 5 38	23 24 0 13 23 24 0 13 23 25 0 13	15 11 1 7	18 59 0 40	21 19 0 35 21 19 0 35 21 19 0 35	12 5 17 11	7 43 7 2 7 44 7 3 7 44 7 3	8 18 14 12	1 17
S 21 S 22	12 23 12 4	2 53 1 27 0s58 2 29		0 58 20 40 0 6 0 52 20 29 0 3		23 25 0 13 23 25 0 13			21 20 0 35 21 20 0 35		7 44 7 3 7 43 7 3		
M23 T 24	11 43 11 23	4 44 3 23 8 16 4 9	6 19 0	0 46 20 17 0n 0 0 39 20 4 0 3	4 26 5 42	23 25 0 13 23 25 0 13 23 26 0 13	15 1 1 7	19 1 0 40	21 20 0 35	12 7 17 12	7 43 7 3 7 43 7 3 7 43 7 3	8 25 14 11	1 17
W25 T 26 F 27	-	11 29 4 44 14 14 5 7 16 25 5 17	4 5 0	24 19 38 0 9	4 34 5 45	23 26 0 13 23 26 0 13 23 26 0 13	14 54 1 7	19 3 0 40	21 20 0 34 21 21 0 34 21 21 0 34	12 9 17 13	7 42 7 3 7 42 7 3 7 42 7 4	8 30 14 10	1 18
S 28 S 29	10 0		2 37 0	9 19 9 0 15	4 40 5 46	23 26 0 14	14 49 1 7	19 4 0 40	21 21 0 34 21 21 0 34 21 21 0 34	12 10 17 14	7 42 7 4 7 42 7 4 7 42 7 4	8 34 14 10	1 18
M30 T 31	9 17	18 16 4 20	1 10 0	os 6 18 38 0 20	4 48 5 46	23 27 0 14	14 44 1 8	19 5 0 40	21 21 0 34 21 21 0 34 21 s22 0n34	12 11 17 14	7 43 7 4 7 43 7 4 7n43 7n4	8 37 14 9	1 18

Julian Day Number = 2389665.5, Delta T = 10.34 sec Ecliptic obliquity =  $23^{\circ}27'32$ , Nutation =  $-0^{\circ}00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $22^{\circ}22'29$ , Lahiri =  $21^{\circ}29'29$ 

SEPTEMBER 1830 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)∤(	¥	Р	n	ß	Ç	ķ	Day
W 1	22 38 36	8 Mp 0'36	12≈20	29 <b>m</b> 47	10Ω20	0°R55	7°R58	23 <b>Ω</b> 49	7°R20	20°R16	9°R10	10°R18	10 <b>m</b> 10	3M 4	11°R47	W 1
T 2	22 42 32	8°58'43	26°22	1 <b>≏</b> 14	11°33	0 <b>Υ</b> 44	7 <b>る</b> 57	23°56	7≈18	20중15	9Υ9	10 <b>m</b> /18	10° 6	3°11	11 <b>8</b> 46	T 2
F 3	22 46 29	9°56'50	10 <b>) (</b> 43	2°39	12°46	0°32	7°57	24° 4	7°17	20°14	9° 8	10°18	10° 3	3°18	11°45	F 3
S 4	22 50 26	10°55'00	25°19	4° 4	13°59	0°20	7°D56	24°11	7°15	20°14	9° 7	10°18	10° 0	3°24	11°44	S 4
S 5	22 54 22	11°53'12	10 <b>Y</b> 3	5°27	15°12	0° 7	7°56	24°19	7°13	20°13	9° 6	10°18	9°57	3°31	11°43	S 5
M 6	22 58 19	12°51'25	24°48	6°48	16°25	29 <b>米</b> 54	7°57	24°26	7°11	20°12	9° 5	10°17	9°54	3°38	11°42	M 6
T 7	23 2 15	13°49'40	9 <b>8</b> 28	8° 8	17°38	29°40	7°57	24°33	7° 9	20°11	9° 4	10°17	9°51	3°44	11°41	T 7
W 8	23 6 12	14°47'58	23°57	9°27	18°51	29°25	7°58	24°41	7° 8	20°10	9° 3	10°17	9°47	3°51	11°40	W 8
T 9	23 10 8	15°46'17	8 <b>Ⅱ</b> 12	10°43	20° 4	29°10	7°58	24°48	7° 6	20° 9	9° 2	10°16	9°44	3°58	11°38	T 9
F 10	23 14 5	16°44'39	22° 9	11°59	21°17	28°55	7°59	24°55	7° 4	20° 9	9° 1	10°D16	9°41	4° 4	11°37	F 10
S 11	23 18 1	17°43'03	5 <b>9</b> 49	13°13	22°31	28°39	8° 0	25° 3	7° 3	20° 8	9° 0	10°17	9°38	4°11	11°36	S 11
S 12	23 21 58	18°41'29	19°11	14°24	23°44	28°23	8° 2	25°10	7° 1	20° 7	8°58	10°17	9°35	4°18	11°34	S 12
M13	23 25 55	19°39'57	$2\Omega$ 18	15°35	24°58	28° 6	8° 3	25°17	6°59	20° 7	8°57	10°18	9°31	4°25	11°33	M13
T 14	23 29 51	20°38'28	15° 9	16°43	26°11	27°49	8° 5	25°24	6°58	20° 6	8°56	10°19	9°28	4°31	11°31	T 14
W15	23 33 48	21°37'00	27°46	17°49	27°25	27°32	8° 7	25°32	6°56	20° 6	8°55	10°20	9°25	4°38	11°29	W15
T 16	23 37 44	22°35'34	10 <b>M</b> 12	18°53	28°38	27°15	8° 9	25°39	6°55	20° 5	8°54	10°R20	9°22	4°45	11°28	T 16
F 17	23 41 41	23°34'11	22°27	19°55	29°52	26°58	8°11	25°46	6°53	20° 5	8°53	10°20	9°19	4°51	11°26	F 17
S 18	23 45 37	24°32'49	4 <b>₾</b> 34	20°54	1 Mp 6	26°41	8°14	25°53	6°52	20° 4	8°52	10°19	9°16	4°58	11°24	S 18
S 19	23 49 34	25°31'29	16°32	21°50	2°19	26°23	8°16	26° 0	6°51	20° 4	8°51	10°17	9°12	5° 5	11°22	S 19
M20	23 53 30	26°30'11	28°26	22°44	3°33	26° 6	8°19	26° 7	6°49	20° 3	8°50	10°14	9° 9	5°11	11°20	M20
T 21	23 57 27	27°28'54	10 <b>M</b> .16	23°35	4°47	25°49	8°22	26°14	6°48	20° 3	8°48	10°12	9° 6	5°18	11°19	T 21
W22	0 1 23	28°27'40	22° 7	24°22	6° 1	25°32	8°26	26°21	6°47	20° 2	8°47	10° 9	9° 3	5°25	11°17	W22
T 23	0 5 20	29°26'28	4 <b>₹</b> 0	25° 6	7°15	25°15	8°29	26°28	6°46	20° 2	8°46	10° 7	9° 0	5°32	11°15	T 23
F 24	0 9 17	0 <b>≏</b> 25'17	16° 1	25°45	8°29	24°58	8°33	26°34	6°45	20° 2	8°45	10° 5	8°57	5°38	11°12	F 24
S 25	0 13 13	1°24'08	28°12	26°21	9°43	24°42	8°36	26°41	6°44	20° 2	8°44	10°D 4	8°53	5°45	11°10	S 25
S 26	0 17 10	2°23'00	10 <b>궁</b> 40	26°52	10°57	24°26	8°40	26°48	6°43	20° 1	8°43	10° 5	8°50	5°52	11° 8	S 26
M27	0 21 6	3°21'55	23°28	27°18	12°11	24°10	8°44	26°55	6°42	20° 1	8°41	10° 6	8°47	5°58	11° 6	M27
T 28	0 25 3	4°20'51	6≈39	27°39	13°25	23°55	8°49	27° 1	6°41	20° 1	8°40	10° 7	8°44	6° 5	11° 4	T 28
W29	0 28 59	5°19'49	20°17	27°54	14°39	23°40	8°53	27° 8	6°40	20° 1	8°39	10° 9	8°41	6°12	11° 1	W29
T 30	0 32 56	6 <b>≏</b> 18'49	4 <b>)</b> €22	28 <b>₾</b> 3	15 <b>m</b> 53	23 <b>米</b> 26	8 <b>궁</b> 58	27 <b>Ω</b> 15	6≈39	20중 1	8 <b>Ƴ</b> 38	10°R 9	8 <b>m</b> 37	6 <b>M</b> .18	10 <b>8</b> 59	T 30

Day	0	D	ğ	ç	)	♂	2	<b>+</b>	ħ	<u> </u>	);	j(	<del>4</del>		Р	ß	Ω	Ç	ķ
	decl	decl lat	decl la	at decl	lat dec	l lat	decl	lat	decl	lat	decl	lat	decl lat		decl lat	decl	decl	decl	decl lat
W 1	8n34	14 s44 2n2	0s15	0s23 18n 5	0n26 4s5	5 5 s46	23 s27	0s14	14n40	1n 8	19s 6	0 s40	21 s22 0	n34 1	2s12 17s14	7n43	7n46	8 s41	14n 8 1s19
T 2	8 13	11 32 1 1	7 0 58	0 31 17 47	0 28 4 5	9 5 46	23 27	0 14	14 37	1 8	19 6	0 40	21 22 0	34 1	2 13 17 15	7 43	7 47	8 43	14 8 1 19
F 3	7 51	7 35 0s 2	2 1 39	0 39 17 29	0 31 5	4 5 45	23 27	0 14	14 35	1 8	19 7	0 40	21 22 0	34 1	2 13 17 15	7 43	7 48	8 44	14 7 1 19
S 4	7 29	3 7 1 2	3 2 20	0 47 17 11	0 33 5	8 5 44	23 27	0 14	14 32	1 8	19 7	0 40	21 22 0	34 1	12 14 17 15	7 43	7 50	8 46	14 7 1 19
S 5	7 7	1n34 2 3	3 1	0 56 16 52	0 36 5 1	2 5 44	23 27	0 14	14 30	1 8	19 8	0 40	21 22 0	34 1	12 14 17 15	7 43	7 51	8 48	14 6 1 19
M 6	6 44	6 9 3 4	3 41	1 4 16 33	0 39 5 1	7 5 43	23 28	0 14	14 28	1 8	19 8	0 40	21 23 0	34 1	2 15 17 15	7 43	7 52	8 50	14 6 1 19
T 7	6 22	10 21 4 3	3 4 20	1 13 16 13	0 41 5 2	1 5 42	23 28	0 14	14 25	1 8	19 9	0 40	21 23 0	34 1	2 15 17 15	7 43	7 53	8 51	14 5 1 20
W 8	5 59	13 51 5	5 4 59	1 21 15 52	0 43 5 2		23 28	0 14	-	1 9	19 9	0 40	21 23 0	34 1	2 16 17 16	7 43	7 54	8 53	
T 9	5 37	16 28 5 1		1 30 15 32	0 46 5 3		23 28	0 15		1 9				-	2 16 17 16	7 43	7 55	8 55	
F 10	5 14	18 4 5 1		1 38 15 10	0 48 5 3		23 28	0 15	-	1 9				-	12 17 17 16	7 43	7 57	8 57	- 1
S 11	4 51	18 34 4 4	6 6 51	1 46 14 49	0 50 5 4	0 5 36	23 28	0 15	14 16	1 9	19 10	0 40	21 23 0	34 1	12 17 17 16	7 43	7 58	8 58	14 3 1 20
S 12	4 29			1 55 14 27	0 53 5 4		23 28	0 15			19 11				12 18 17 16	7 43	7 59	9 0	
M13	4 6	16 29 3 1		2 3 14 4	0 55 5 5		23 28	0 15		1 9				-	12 19 17 16	7 43	8 0	9 2	14 2 1 21
T 14	3 43	14 9 2 1:		2 11 13 41	0 57 5 5		23 28	0 15		1 9	-,			-	12 19 17 16	7 42	8 1	9 4	14 1 1 21
W15	3 20	11 11 1 !		2 19 13 18	0 59 5 5			0 15		1 9				-	20 17 17	7 42	8 3	9 5	14 1 1 21
T 16	2 57	7 44 0		2 27 12 55	1 1 6	3 5 25		0 15		1 10	-		-	-	2 20 17 17	7 42	8 4	9 7	14 0 1 21
F 17 S 18	2 33	4 1 1n		2 34 12 30 2 42 12 6	1 3 6	8 5 22		0 15			19 12				2 21 17 17	7 42	8 5	9 9	13 59 1 21
	2 10				1 5 6 1		23 27	0 15			19 13				12 21 17 17	7 42	8 6		13 58 1 21
S 19	1 47			2 49 11 41	1 6 6 1		23 27		13 58		19 13			-	2 22 17 17	7 43	8 7		13 58 1 22
M20	1 23		-	2 56 11 16	1 8 6 2		23 27		13 55		19 13				2 22 17 17	7 44	8 9		13 57 1 22
T 21	1 0			3 2 10 51	1 10 6 2		23 27		13 53		19 14				23 17 17	7 45	8 10		13 56 1 22
W22 T 23				3 8 10 25 3 14 9 59	1 12 6 2 1 13 6 3		23 27	0 16	13 51 13 49		19 14 19 14				12 23 17 17	7 46 7 47	8 11 8 12		13 56 1 22 13 55 1 22
F 24	-			-	1 15 6 3	-	23 27	0 16			-				2 24 17 17 2 24 17 17	7 48	8 13	9 19	13 55 1 22 13 54 1 22
S 25				3 20 9 33 3 24 9 6	1 15 6 3		23 27 23 26		13 44	1 11	19 14			-	12 24 17 17	7 48	8 15		13 54 1 22
	0 33	10 2/ 3	13 21	3 24 9 0	1 10 0 3	7 4 33	23 20	0 10	15 44	1 11	19 13	0 40	21 23 0	34 1	12 23 17 17	/ 40	0 13	9 23	13 33 1 22
S 26		18 31 4 3		3 29 8 40	1 17 6 4		23 26		13 42	1 11	19 15				12 25 17 17	7 48	8 16		13 52 1 23
M27	-	17 39 3 49		3 32 8 13	1 19 6 4			0 16	-	1 11					12 26 17 18	7 47	8 17		13 52 1 23
T 28		15 49 2 5		3 35 7 45	1 20 6 4		23 26		13 38		19 15				26 17 18	7 47	8 18		13 51 1 23
W29	2 7	13 2 1 4		3 37 7 18	1 21 6 4		23 26		13 36		19 16			-	27 17 18	7 46	8 19		13 50 1 23
T 30	2 s31	9 s25 0n3	2 14s11	3 s 38 6 n 5 0	1n22 6s4	8 4 s 3 4	23 s25	0s16	13n33	lnll	19s16	0s39	21 s25 0	n33 1	2s27 17s18	7n46	8n21	9s31	13n49 1 s23

 $\label{eq:Julian Day Number = 2389696.5, Delta T = 10.29 sec} \\ Ecliptic obliquity = 23°27'32, Nutation = -0°00'05, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°22'33, Lahiri = 21°29'33 \\ \\$ 

OCTOBER 1830 00:00 UT

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Day	Sid.t	0	D	ğ	P	ð	4	ħ	)ţ(	卉	В	u	ß	Ç	Ŷ,	Day
F 1	0 36 52	7 <b>₽</b> 17'50	18 <b>)</b> 53	28°R 5	17 <b>m</b> ) 8	23°R12	9 <b>ට</b> 3	27 <b>Ω</b> 21	6°R38	20°R 1	8°R37	10°R 9	8 <b>m</b> 34	6M25	10°R57	F 1
S 2	0 40 49	8°16'54	3 <b>℃</b> 44	28 <b>♀</b> 0	18°22	22 <b>米</b> 59	9° 8	27°27	6≈37	20°D 1	8 <b>Y</b> 36	10 <b>m</b> 8	8°31	6°32	10854	S 2
S 3	0 44 46	9°15'59	18°49	27°48	19°36	22°46	9°13	27°34	6°37	20 <b>ට</b> 1	8°34	10° 5	8°28	6°39	10°52	S 3
M 4	0 48 42	10°15'07	3 <b>8</b> 58	27°28	20°51	22°34	9°18	27°40	6°36	20° 1	8°33	10° 1	8°25	6°45	10°49	M 4
T 5	0 52 39	11°14'16	19° 2	27° 0	22° 5	22°23	9°24	27°46	6°35	20° 1	8°32	9°57	8°22	6°52	10°47	T 5
W 6	0 56 35	12°13'29	3 <b>Ⅱ</b> 51	26°24	23°19	22°12	9°29	27°53	6°35	20° 1	8°31	9°52	8°18	6°59	10°44	W 6
T 7	1 0 32	13°12'43	18°20	25°40	24°34	22° 2	9°35	27°59	6°34	20° 1	8°30	9°49	8°15	7° 5	10°42	T 7
F 8	1 4 28	14°12'00	29524	24°48	25°48	21°53	9°41	28° 5	6°34	20° 1	8°29	9°47	8°12	7°12	10°39	F 8
S 9	1 8 25	15°11'19	16° 3	23°50	27° 3	21°44	9°47	28°11	6°33	20° 1	8°27	9°D46	8° 9	7°19	10°37	S 9
S 10	1 12 21	16°10'41	29°18	22°46	28°18	21°36	9°53	28°17	6°33	20° 2	8°26	9°47	8° 6	7°25	10°34	S 10
M11	1 16 18	17°10'04	12 <b>Ω</b> 13	21°37	29°32	21°29	10° 0	28°23	6°33	20° 2	8°25	9°48	8° 2	7°32	10°31	M11
T 12	1 20 15	18° 9'30	24°49	20°25	0 <b>≏</b> 47	21°23	10° 6	28°29	6°32	20° 2	8°24	9°50	7°59	7°39	10°29	T 12
W13	1 24 11	19° 8'59	7 <b>m</b> p 1 1	19°13	2° 2	21°17	10°13	28°35	6°32	20° 3	8°23	9°R51	7°56	7°46	10°26	W13
T 14	1 28 8	20° 8'29	19°22	18° 1	3°16	21°12	10°20	28°40	6°32	20° 3	8°22	9°50	7°53	7°52	10°23	T 14
F 15	1 32 4	21° 8'02	1 <b>≏</b> 25	16°52	4°31	21° 8	10°27	28°46	6°32	20° 3	8°20	9°48	7°50	7°59	10°20	F 15
S 16	1 36 1	22° 7'37	13°22	15°48	5°46	21° 5	10°34	28°52	6°32	20° 4	8°19	9°44	7°47	8° 6	10°17	S 16
S 17	1 39 57	23° 7'13	25°15	14°51	7° 1	21° 2	10°42	28°57	6°D32	20° 4	8°18	9°37	7°43	8°12	10°14	S 17
M18	1 43 54	24° 6'52	7 <b>M</b> 6	14° 3	8°16	21° 1	10°49	29° 3	6°32	20° 5	8°17	9°29	7°40	8°19	10°12	M18
T 19	1 47 50	25° 6'33	18°57	13°24	9°31	21° 0	10°57	29° 8	6°32	20° 5	8°16	9°20	7°37	8°26	10° 9	T 19
W20	1 51 47	26° 6'16	0 <b>∡</b> 749	12°56	10°46	21°D 0	11° 5	29°13	6°32	20° 6	8°15	9°11	7°34	8°32	10° 6	W20
T 21	1 55 43	27° 6'01	12°44	12°39	12° 0	21° 1	11°13	29°19	6°32	20° 6	8°14	9° 2	7°31	8°39	10° 3	T 21
F 22	1 59 40	28° 5'47	24°46	12°D34	13°15	21° 2	11°21	29°24	6°33	20° 7	8°13	8°56	7°28	8°46	10° 0	F 22
S 23	2 3 37	29° 5'35	6 <b>궁</b> 57	12°40	14°30	21° 5	11°29	29°29	6°33	20° 8	8°12	8°51	7°24	8°53	9°57	S 23
S 24	2 7 33	OM 5'25	19°21	12°57	15°45	21° 8	11°37	29°34	6°33	20° 8	8°11	8°48	7°21	8°59	9°54	S 24
M25	2 11 30	1° 5'17	2≈ 2	13°23	17° 0	21°12	11°46	29°39	6°34	20° 9	8° 9	8°D47	7°18	9° 6	9°51	M25
T 26	2 15 26	2° 5'10	15° 5	13°59	18°15	21°16	11°54	29°44	6°34	20°10	8° 8	8°48	7°15	9°13	9°48	T 26
W27	2 19 23	3° 5'05	28°34	14°44	19°31	21°22	12° 3	29°49	6°34	20°11	8° 7	8°49	7°12	9°19	9°45	W27
T 28	2 23 19	4° 5'02	12 <b>)</b> 30	15°36	20°46	21°28	12°12	29°53	6°35	20°12	8° 6	8°R49	7° 8	9°26	9°42	T 28
F 29	2 27 16	5° 5'00	26°55	16°36	22° 1	21°35	12°21	29°58	6°36	20°12	8° 5	8°48	7° 5	9°33	9°39	F 29
S 30	2 31 12	6° 5'00	11 <b>Y</b> 45	17°41	23°16	21°43	12°30	0 Mg 2	6°36	20°13	8° 4	8°44	7° 2	9°40	9°36	S 30
S 31	2 35 9	7 <b>M</b> 5'01	26 <b>Y</b> 55	18 <b>≏</b> 51	24 <b>≏</b> 31	21 <b>米</b> 51	12 <b>る</b> 39	0Mp 7	6≈37	20 <b>궁</b> 14	8 <b>℃</b> 3	8 <b>m</b> 38	6 <b>m</b> 59	9 <b>M</b> .46	9 <b>8</b> 33	S 31

Day	0	D	ğ	ρ	ď	4	ħ	)Å(	¥	Р	n	v t	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl de	el decl lat
F 1 S 2	2 s54 3 17		3 14s11 3s3 5 14 8 3 3	-					21 s25 0n33 21 25 0 33				33 13n48 1 s23 35 13 47 1 23
S 3 M 4 T 5		4n21 3 16 8 53 4 13 12 48 4 52	3 13 51 3 3 2 13 35 3 2	0 4 57 1 26 5 4 28 1 27	6 52 4 16 6 53 4 12	23 24 0 16 23 24 0 16	13 25 1 12 13 23 1 12	19 16 0 39 19 17 0 39	21 25 0 33 21 25 0 33 21 25 0 33	12 29 17 18 12 29 17 18	7 49 8 7 51 8	3 25 9 3 3 27 9 4	37 13 46 1 24 38 13 46 1 24 40 13 45 1 24
W 6 T 7 F 8 S 9	5 13 5 36	18 38 4 48		8 3 30 1 28 7 3 1 1 29	6 52 4 2 6 52 3 58	23 23 0 17 23 23 0 17	13 19 1 13 13 17 1 13	19 17 0 39 19 17 0 39	21 25 0 33 21 25 0 33 21 25 0 33 21 25 0 33	12 30 17 18 12 31 17 18	7 54 8 7 55 8	3 29 9 4	12 13 44 1 24 13 13 43 1 24 15 13 42 1 24 17 13 41 1 24
S 10 M11 T 12 W13 T 14 F 15 S 16		17 0 3 23 14 50 2 23 11 59 1 21 8 39 0 13 5 0 0n52 1 11 1 5 4 2 s 39 2 5 2	5 10 30 2 1 1 9 46 1 5 5 9 1 1 3 2 8 15 1 1 4 7 30 0 5	4 1 33 1 30 6 1 4 1 30 7 0 34 1 30 7 0 5 1 30 6 0 s25 1 30	6 48 3 43 6 46 3 39 6 44 3 34 6 41 3 29 6 39 3 24	23 22 0 17	13 11 1 13 13 10 1 13 13 8 1 14 13 6 1 14 13 4 1 14	19 17 0 39 19 17 0 39 19 17 0 39 19 17 0 39 19 17 0 39	21 25 0 33 21 25 0 33	12 32 17 17 12 32 17 17 12 33 17 17 12 33 17 17 12 33 17 17	7 54 8 7 53 8 7 53 8 7 53 8 7 54 8	34 9 3 35 9 3 36 9 3 37 9 3 38 9 3	49     13     40     1     24       50     13     39     1     25       52     13     38     1     25       54     13     37     1     25       55     13     36     1     25       57     13     35     1     25       59     13     34     1     25
S 17 M18 T 19 W20 T 21 F 22 S 23	9 0 9 22 9 44 10 5 10 27	6 21 3 41 9 48 4 20 12 51 4 48 15 23 5 4 17 17 5 6 18 26 4 56	6 5 0 1 5 28 0n 8 4 56 0 2 4 4 29 0 4 5 4 8 0 5 6 3 52 1 1	5	6 32 3 15 6 28 3 10 6 24 3 5 6 20 3 1 6 16 2 56 6 11 2 51	23 19 0 17 23 18 0 17 23 18 0 17 23 17 0 17 23 16 0 17 23 16 0 17	13 0 1 14 12 59 1 14 12 57 1 15 12 55 1 15 12 54 1 15 12 52 1 15	19 17 0 39 19 17 0 39	21 25 0 33 21 24 0 33	12 34 17 17 12 35 17 17 12 35 17 17 12 35 17 17 12 36 17 17 12 36 17 16	7 58 8 8 1 8 8 5 8 8 8 8 8 11 8 8 14 8	3 41 10 3 42 10 3 43 10 3 44 10 3 46 10	1 13 33 1 25 2 13 32 1 25 4 13 31 1 26 6 13 30 1 26 7 13 29 1 26 9 13 28 1 26
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	11 52 12 12	18 12 3 54 16 44 3 4 14 21 2 4 11 8 0 55 7 11 0s20 2 41 1 35 2n 6 2 47 6n50 3 \$48	4 3 41 1 4 4 3 48 1 5 5 3 59 1 5 0 4 15 2 7 4 57 2	5 5 21 1 27 3 5 50 1 27 9 6 19 1 26 4 6 48 1 25 7 7 17 1 24 9 7 45 1 23	5 55 2 38 5 49 2 33 5 43 2 29 5 36 2 25 5 29 2 21 5 23 2 16	23 14 0 18 23 13 0 18 23 12 0 18 23 12 0 18 23 12 0 18 23 11 0 18 23 10 0 18	12 47 1 16 12 46 1 16 12 44 1 16 12 43 1 16 12 41 1 17 12 40 1 17	19 16 0 39 19 16 0 39	21 24 0 33 21 24 0 33	12 37 17 16 12 37 17 16 12 37 17 16 12 38 17 16 12 38 17 15	8 17 8 8 17 8 8 16 8 8 16 8 8 17 8 8 18 8	3 51 10 3 53 10 3 54 10 3 55 10 2 3 56 10 2	14     13     25     1     26       16     13     24     1     26       18     13     23     1     26       19     13     22     1     27       21     13     21     1     27

Julian Day Number = 2389726.5, Delta T = 10.24 sec

Ecliptic obliquity =  $23^{\circ}27'33$ , Nutation = -  $0^{\circ}00'07$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley =  $22^{\circ}22'37$ , Lahiri =  $21^{\circ}29'37$ 

NOVEMBER 1830 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	卉	Р	n	Ω	Ç	ę,	Day
M 1	2 39 6	8M 5'05	12815	20 <u>₽</u> 6	25 <u>₽</u> 46	22 <b>)</b> 0	12 <b>る</b> 49	0 <b>m</b> )11	6≈38	20 <b>ට</b> 15	8°R 2	8°R30	6 <b>m</b> 56	9 <b>M</b> 53	9°R30	M 1
T 2	2 43 2	9° 5'10	27°34	21°25	27° 1	22°10	12°58	0°16	6°39	20°16	8 <b>Y</b> 1	8 <b>m</b> 21	6°53	10° 0	9 <b>8</b> 27	T 2
W 3	2 46 59	10° 5'17	12 <b>Ⅱ</b> 40	22°47	28°17	22°21	13° 8	0°20	6°39	20°17	8° 0	8°11	6°49	10° 6	9°24	W 3
T 4	2 50 55	11° 5'27	27°25	24°12	29°32	22°32	13°18	0°24	6°40	20°18	7°59	8° 3	6°46	10°13	9°21	T 4
F 5	2 54 52	12° 5'38	119542	25°40	0 <b>™</b> 47	22°44	13°28	0°28	6°41	20°19	7°58	7°57	6°43	10°20	9°18	F 5
S 6	2 58 48	13° 5'52	25°30	27° 9	2° 2	22°56	13°38	0°32	6°42	20°21	7°57	7°54	6°40	10°27	9°15	S 6
S 7	3 2 45	14° 6'07	8 <b>Ω</b> 48	28°39	3°18	23° 9	13°48	0°36	6°43	20°22	7°57	7°D52	6°37	10°33	9°11	S 7
M 8	3 6 41	15° 6'25	21°41	0 <b>M</b> .11	4°33	23°23	13°58	0°39	6°44	20°23	7°56	7°52	6°34	10°40	9°8	M 8
T 9	3 10 38	16° 6'44	4 Mp 12	1°44	5°48	23°37	14° 8	0°43	6°46	20°24	7°55	7°R53	6°30	10°47	9° 5	T 9
W10	3 14 35	17° 7'06	16°27	3°18	7° 3	23°52	14°19	0°47	6°47	20°25	7°54	7°52	6°27	10°53	9° 2	W10
T 11	3 18 31	18° 7'29	28°30	4°52	8°19	24° 7	14°29	0°50	6°48	20°27	7°53	7°50	6°24	11° 0	8°59	T 11
F 12	3 22 28	19° 7'54	10 <b>≏</b> 25	6°27	9°34	24°24	14°40	0°53	6°49	20°28	7°52	7°46	6°21	11° 7	8°56	F 12
S 13	3 26 24	20° 8'21	22°16	8° 2	10°49	24°40	14°50	0°57	6°51	20°29	7°51	7°38	6°18	11°13	8°53	S 13
S 14	3 30 21	21° 8'50	4M 7	9°38	12° 5	24°57	15° 1	1° 0	6°52	20°31	7°51	7°28	6°14	11°20	8°50	S 14
M15	3 34 17	22° 9'20	15°58	11°13	13°20	25°15	15°12	1° 3	6°53	20°32	7°50	7°15	6°11	11°27	8°48	M15
T 16	3 38 14	23° 9'53	27°51	12°49	14°36	25°33	15°23	1° 6	6°55	20°33	7°49	7° 0	6° 8	11°34	8°45	T 16
W17	3 42 10	24°10'26	9 <b>∡</b> 748	14°25	15°51	25°52	15°34	1° 9	6°56	20°35	7°48	6°46	6° 5	11°40	8°42	W17
T 18	3 46 7	25°11'01	21°50	16° 0	17° 6	26°11	15°46	1°12	6°58	20°36	7°47	6°32	6° 2	11°47	8°39	T 18
F 19	3 50 4	26°11'38	3 <b>る</b> 59	17°36	18°22	26°31	15°57	1°14	7° 0	20°38	7°47	6°21	5°59	11°54	8°36	F 19
S 20	3 54 0	27°12'16	16°15	19°11	19°37	26°51	16° 8	1°17	7° 1	20°39	7°46	6°12	5°55	12° 0	8°33	S 20
S 21	3 57 57	28°12'55	28°43	20°47	20°53	27°12	16°20	1°19	7° 3	20°41	7°45	6° 6	5°52	12° 7	8°30	S 21
M22	4 1 53	29°13'35	11≈24	22°22	22° 8	27°33	16°31	1°22	7° 5	20°42	7°45	6° 3	5°49	12°14	8°27	M22
T 23	4 5 50	0 <b>∡</b> 14'17	24°22	23°57	23°24	27°55	16°43	1°24	7° 7	20°44	7°44	6° 2	5°46	12°21	8°25	T 23
W24	4 9 46	1°14'59	7 <b>)</b> €42	25°32	24°39	28°17	16°55	1°26	7° 8	20°45	7°43	6° 2	5°43	12°27	8°22	W24
T 25	4 13 43	2°15'42	21°26	27° 7	25°55	28°39	17° 7	1°28	7°10	20°47	7°43	6° 2	5°39	12°34	8°19	T 25
F 26	4 17 39	3°16'27	5 <b>Ƴ</b> 36	28°42	27°10	29° 2	17°19	1°30	7°12	20°49	7°42	6° 0	5°36	12°41	8°16	F 26
S 27	4 21 36	4°17'12	20°11	0 <b>,</b> 717	28°25	29°25	17°31	1°32	7°14	20°50	7°42	5°55	5°33	12°47	8°14	S 27
S 28	4 25 33	5°17'59	5 <b>8</b> 8	1°51	29°41	29°49	17°43	1°34	7°16	20°52	7°41	5°47	5°30	12°54	8°11	S 28
M29	4 29 29	6°18'46	20°19	3°26	0 <b>∡</b> 756	0 <b>Υ</b> 13	17°55	1°35	7°18	20°54	7°41	5°37	5°27	13° 1	8° 8	M29
T 30	4 33 26	7 <b>.₹</b> 19'35	5 <b>Ⅱ</b> 35	5 <b>₹</b> 0	2 <b>√</b> 12	0 <b>Ƴ</b> 37	18 <b>궁</b> 7	1 <b>m</b> 37	7≈21	20 <b>궁</b> 56	7 <b>Y</b> 40	5 Mp 26	5 <b>m</b> 24	13 <b>M</b> 8	8 <b>8</b> 6	T 30

Day	0	J	)	ζ	5	φ	1	d	7		4	ŧ	1	);	<del>j</del> (	<del>,</del>	(	Р		n	v	Ç	ķ	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl la	at	decl	decl	decl	decl	lat
M 1	14 s13	11n11	4 s 3 3	5 s 5 1	2n10	8 s42	1n21	5 s 8	2s 8	23 s 8	0 s 1 8	12n37	1n17	19s15	0s39	21 s24	0n33	12 s 38 1	17s15	8n23	8n58	10 s26	13n18	1 s27
T 2	14 32	14 47	4 59	6 21	2 10	9 11	1 20	5 0	2 4	23 8	0 18	12 36	1 17	19 15	0 39	21 23	0 33	12 39 1	17 15	8 27	9 0			1 27
W 3	14 51	17 20	5 3	6 53	2 8	9 39	1 19	4 53	2 0	23 7	0 18	12 34	1 18	19 15	0 39	21 23	0 33	12 39 1	17 14	8 30	9 1	10 29	13 15	1 27
T 4	15 10	18 39	4 47	7 27	2 6	10 6	1 18	4 45	1 56	23 6	0 18	12 33	1 18	19 14	0 38	21 23	0 32	12 39 1	17 14	8 33	9 2	10 31	13 14	1 27
F 5	15 29	18 44	4 13	8 2	2 2	10 34	1 16	4 36	1 52	23 5	0 18	12 32	1 18	19 14	0 38	21 23	0 32	12 39 1	17 14	8 36	9 3	10 33	13 13	1 27
S 6	15 47	17 41	3 26	8 37	1 59	11 1	1 15	4 28	1 48	23 4	0 18	12 31	1 18	19 14	0 38	21 23	0 32	12 39 1	17 14	8 37	9 4	10 35	13 12	1 27
S 7	16 5	15 41	2 28	9 13	1 55	11 28	1 14	4 19	1 45	23 3		12 30		19 14	0 38	21 23	0 32	12 40 1	17 14	8 38	9 6	10 36	13 11	1 27
M 8	16 23	12 57	1 25	9 50	1 50	11 55	1 12	4 11	1 41	23 2	0 18	12 28	1 19	19 13	0 38	21 23	0 32	12 40 1	17 13	8 38	9 7	10 38	13 10	1 28
T 9	16 40	9 40	0 20	10 27	1 45	12 21	1 11	4 2	1 37	23 1	0 19	12 27	1 19	19 13	0 38	21 23	0 32	12 40 1	17 13	8 37	9 8	10 40	13 9	1 28
W10	16 58	6 3	0n45	11 4	1 40	12 47	1 9	3 52	1 34	23 0	0 19	12 26	1 19	19 13	0 38	21 22	0 32	12 40 1	17 13	8 37	9 9	10 41	13 8	1 28
T 11	17 15	2 14	1 47	11 41	1 34	13 13	1 8	3 43	1 30	22 59	0 19	12 25	1 19	19 12	0 38	21 22	0 32	12 40 1	17 13	8 38	9 10	10 43	13 7	1 28
F 12	17 31	1 s37	2 44	12 18	1 28	13 39	1 6	3 34	1 27	22 58	0 19	12 24	1 19	19 12	0 38	21 22	0 32	12 40 1	7 12	8 40	9 11	10 45	13 6	1 28
S 13	17 48	5 24	3 32	12 54	1 22	14 4	1 4	3 24	1 24	22 57	0 19	12 23	1 20	19 12	0 38	21 22	0 32	12 40 1	17 12	8 43	9 13	10 46	13 5	1 28
S 14	18 4	8 57	4 12	13 31	1 16	14 29	1 2	3 14	1 20	22 55	0 19	12 22	1 20	19 11	0 38	21 22	0 32	12 40 1	17 12	8 47	9 14	10 48	13 4	1 28
M15	18 19	12 9	4 40	14 7	1 9	14 53	1 1	3 4	1 17	22 54	0 19	12 21	1 20	19 11	0 38	21 21	0 32	12 40 1	17 12	8 51	9 15	10 50	13 3	1 28
T 16	18 35	14 53	4 56	14 42	1 3	15 18	0 59	2 54	1 14	22 53	0 19	12 21	1 20	19 10	0 38	21 21	0 32	12 40 1	7 11	8 57	9 16	10 51	13 2	1 28
W17	18 50	17 0	5 0	15 17	0 56	15 41	0 57	2 43	1 11	22 52	0 19	12 20	1 21	19 10	0 38	21 21	0 32	12 40 1	7 11	9 2	9 17	10 53	13 1	1 28
T 18	19 5	18 23	4 50	15 51	0 49	16 5	0 55	2 33	1 7	22 51	0 19	12 19	1 21	19 10	0 38	21 21	0 32	12 41 1	7 11	9 7	9 18	10 55	13 0	1 28
F 19	19 19	18 58	4 26	16 25	0 42	16 28	0 53	2 22	1 4	22 49	0 19	12 18	1 21	19 9	0 38	21 21	0 32	12 41 1	7 11	9 11	9 20	10 56	12 59	1 28
S 20	19 33	18 39	3 51	16 58	0 36	16 50	0 51	2 11	1 1	22 48	0 19	12 18	1 21	19 9	0 38	21 21	0 32	12 41 1	7 10	9 15	9 21	10 58	12 58	1 28
S 21	19 47	17 26	3 3	17 30	0 29	17 12	0 49	2 1	0 58	22 47	0 19	12 17	1 21	19 8	0 38	21 20	0 32	12 41 1	7 10	9 17	9 22	11 0	12 57	1 28
M22	20 0	15 21	2 6	18 2	0 22	17 34	0 47	1 49	0 56	22 45	0 19	12 16	1 22	19 8	0 38	21 20	0 32	12 41 1	7 10	9 18	9 23	11 1	12 56	1 29
T 23	20 13	12 27	1 1	18 32	0 15	17 55	0 45	1 38	0 53	22 44	0 19	12 16	1 22	19 7	0 38	21 20	0 32	12 41 1	17 9	9 18	9 24	11 3	12 55	1 29
W24	20 26	8 49	0s 9	19 2	0 8	18 15	0 43	1 27	0 50	22 43	0 19	12 15	1 22	19 7	0 38	21 20	0 32	12 41 1	17 9	9 18	9 25	11 5	12 54	1 29
T 25	20 38	4 38	1 20	19 31	0 1	18 35	0 41	1 16	0 47	22 41	0 20	12 15	1 22	19 6	0 38	21 19	0 32	12 40 1	17 9	9 18	9 27	11 6	12 53	1 29
F 26	20 50	0 4	2 29	19 59	0s 6	18 55	0 39	1 4	0 45	22 40	0 20	12 14	1 23	19 6	0 38	21 19	0 32	12 40 1	17 9	9 19	9 28	11 8	12 52	1 29
S 27	21 1	4n39	3 30	20 26	0 12	19 14	0 36	0 52	0 42	22 38	0 20	12 14	1 23	19 5	0 38	21 19	0 32	12 40 1	17 8	9 21	9 29	11 10	12 52	1 29
S 28	21 12	9 10	4 19	20 52	0 19	19 33	0 34	0 41	0 39	22 37	0 20	12 13	1 23	19 5	0 38	21 19	0 32	12 40 1	17 8	9 24	9 30	11 11	12 51	1 29
M29	21 23	13 11	4 50	21 17	0 26	19 51	0 32	0 29	0 37	22 35	0 20	12 13	1 23	19 4	0 38	21 19	0 32	12 40 1	17 8	9 27	9 31	11 13	12 50	1 29
T 30	21 s33	16n20	5s 0	21 s40	0 s32	20 s 8	0n30	0s17	0s34	22 s34	0 s20	12n13	1n24	19s 4	0s38	21 s18	0n32	12 s40 1	17s 7	9n32	9n32	11s15	12n49	1 s29

Julian Day Number = 2389757.5, Delta T = 10.19 sec Ecliptic obliquity = 23°27'32, Nutation = -0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°22'41, Lahiri = 21°29'42

DECEMBER 1830 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	n	Ω	Ç	ķ	Day
W 1	4 37 22	8 <b>×</b> <sup>7</sup> 20'25	20 <b>I</b> I43	6 <b>×</b> 734	3 <b>~</b> <sup>1</sup> 27	1Υ 2	18 <b>ට</b> 20	1 mp 38	7≈23	20 <b>ප්</b> 57	7°R40	5°R14	5 m 20	13 <b>M</b> .14	8°R 3	W 1
T 2	4 41 19	9°21'16	5935	8° 9	4°43	1°27	18°32	1°39	7°25	20°59	7 <b>Υ</b> 39	5 m 3	5°17	13°21	88 1	T 2
F 3	4 45 15	10°22'08	20° 1	9°43	5°58	1°52	18°44	1°40	7°27	21° 1	7°39	4°55	5°14	13°28	7°58	F 3
S 4	4 49 12	11°23'02	3 <b>Ω</b> 58	11°17	7°14	2°18	18°57	1°42	7°29	21° 3	7°38	4°50	5°11	13°34	7°56	S 4
S 5	4 53 8	12°23'56	17°24	12°51	8°29	2°44	19° 9	1°43	7°32	21° 5	7°38	4°47	5° 8	13°41	7°54	S 5
M 6	4 57 5	13°24'52	0 <b>m</b> 23	14°26	9°45	3°11	19°22	1°43	7°34	21° 7	7°37	4°D46	5° 5	13°48	7°51	M 6
T 7	5 1 2	14°25'50	12°57	16° 0	11° 0	3°37	19°35	1°44	7°36	21° 9	7°37	4°R46	5° 1	13°55	7°49	T 7
W 8	5 4 58	15°26'48	25°13	17°34	12°16	4° 4	19°48	1°45	7°39	21°10	7°37	4°45	4°58	14° 1	7°47	W 8
T 9	5 8 55	16°27'48	7 <b>₽</b> 15	19° 9	13°31	4°32	20° 1	1°45	7°41	21°12	7°36	4°44	4°55	14° 8	7°44	T 9
F 10	5 12 51	17°28'48	19° 8	20°43	14°47	4°59	20°13	1°46	7°44	21°14	7°36	4°40	4°52	14°15	7°42	F 10
S 11	5 16 48	18°29'50	0 <b>M</b> .58	22°17	16° 2	5°27	20°26	1°46	7°46	21°16	7°36	4°33	4°49	14°21	7°40	S 11
S 12	5 20 44	19°30'53	12°48	23°52	17°18	5°55	20°39	1°46	7°49	21°18	7°36	4°23	4°45	14°28	7°38	S 12
M13	5 24 41	20°31'57	24°41	25°27	18°33	6°23	20°53	1°R46	7°52	21°20	7°35	4°10	4°42	14°35	7°36	M13
T 14	5 28 37	21°33'01	6 <b>₹</b> 39	27° 2	19°49	6°52	21° 6	1°46	7°54	21°22	7°35	3°57	4°39	14°42	7°34	T 14
W15	5 32 34	22°34'07	1 <u>8</u> °44	28°36	21° 4	7°21	21°19	1°46	7°57	21°24	7°35	3°43	4°36	14°48	7°32	W15
T 16	5 36 31	23°35'13	0 <b>궁</b> 57	0 <b>궁</b> 12	22°20	7°50	21°32	1°46	8° 0	21°26	7°35	3°29	4°33	14°55	7°30	T 16
F 17	5 40 27	24°36'19	13°18	1°47	23°36	8°20	21°45	1°45	8° 2	21°29	7°35	3°18	4°30	15° 2	7°28	F 17
S 18	5 44 24	25°37'27	25°49	3°22	24°51	8°49	21°59	1°45	8° 5	21°31	7°34	3°10	4°26	15° 8	7°27	S 18
S 19	5 48 20	26°38'34	8≈29	4°57	26° 7	9°19	22°12	1°44	8° 8	21°33	7°34	3° 4	4°23	15°15	7°25	S 19
M20	5 52 17	27°39'42	21°21	6°33	27°22	9°49	22°26	1°43	8°11	21°35	7°34	3° 1	4°20	15°22	7°23	M20
T 21	5 56 13	28°40'50	4 <b>)</b> €26	8° 8	28°38	10°19	22°39	1°43	8°14	21°37	7°34	3°D 1	4°17	15°29	7°21	T 21
W22	6 0 10	29°41'58	17°47	9°44	29°53	10°50	22°53	1°42	8°17	21°39	7°34	3° 1	4°14	15°35	7°20	W22
T 23	6 4 6	0 <b>ප්</b> 43'06	1 <b>Υ</b> 25	11°20	1중 9	11°21	23° 6	1°40	8°19	21°41	7°D34	3°R 1	4°11	15°42	7°18	T 23
F 24	6 8 3	1°44'14	15°23	12°56	2°24	11°51	23°20	1°39	8°22	21°43	7°34	3° 1	4° 7	15°49	7°17	F 24
S 25	6 12 0	2°45'23	29°40	14°31	3°40	12°23	23°34	1°38	8°25	21°46	7°34	2°58	4° 4	15°55	7°15	S 25
S 26	6 15 56	3°46'31	14814	16° 7	4°55	12°54	23°47	1°37	8°28	21°48	7°34	2°52	4° 1	16° 2	7°14	S 26
M27	6 19 53	4°47'39	29° 2	17°42	6°11	13°25	24° 1	1°35	8°31	21°50	7°34	2°45	3°58	16° 9	7°13	M27
T 28	6 23 49	5°48'48	13 <b>II</b> 56	19°17	7°26	13°57	24°15	1°34	8°34	21°52	7°35	2°36	3°55	16°16	7°12	T 28
W29	6 27 46	6°49'56	28°48	20°52	8°42	14°29	24°29	1°32	8°38	21°54	7°35	2°26	3°51	16°22	7°10	W29
T 30	6 31 42	7°51'05	139528	22°26	9°57	15° 1	24°42	1°30	8°41	21°57	7°35	2°18	3°48	16°29	7° 9	T 30
F 31	6 35 39	8 <b>ප</b> 52'13	279549	24중 0	11 <b>る</b> 13	15 <b>Y</b> 33	24 <b>궁</b> 56	1 <b>m</b> 28	8 <b>≈</b> 44	21 <b>궁</b> 59	7 <b>Y</b> 35	2 Mp 11	3 <b>M</b> 45	16 <b>M</b> .36	7 <b>8</b> 8	F 31

Day	0	D	Ş	2	φ	♂ <sup>1</sup>	2	+	ŧ	1	)	ł(	并	Р	ß	v	Ç	Š.
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W 1 T 2	21 s43 21 52	19 2 4 1	9 22 s 3 9 22 25	0 45 20 4	0 25 0	n 8 0 30	22 s32 22 s32 22 30	0 20	12 12	1 24		0 38	21 s18 0n3 21 18 0 3	2 12 40 17	7 9 40	9 35	11 s16 11 18	12 47 1 29
F 3 S 4	22 1 22 10	16 46 2 3	3 22 46 5 23 5	0 57 21 1	2 0 20 0	32 0 25	22 29 22 27	0 20 0 20	12 12	1 24 1 24	19 1	0 38	21 17 0 3 21 17 0 3	2 12 40 17	6 9 43 6 9 45	9 37	11 20 11 21	12 46 1 29
S 5 M 6 T 7	22 18 22 26 22 33	10 59 0 2	0 23 24 3 23 41 3 23 57	1 3 21 2 1 8 21 4 1 14 21 5	0 16 0	57 0 20	22 25 22 24 3 22 22	0 20 0 20 0 20		1 25	-	0 38	21 17 0 3 21 17 0 3 21 16 0 3	2 12 39 17	6 9 46 5 9 46 5 9 46	9 39	11 23 11 25 11 26	12 44 1 29
W 8 T 9	22 40 22 46	3 32 1 4	6 24 11 3 24 25	1 19 22 1 24 22 1	6 0 11 1 8 0 8 1	22 0 16	22 22 5 22 20 22 18	0 20	12 11 12 11 12 12	1 25 1 26	18 59 18 58	0 38 0 38	21 16 0 3 21 16 0 3	2 12 39 17 2 12 39 17	5 9 46 4 9 47	9 42	11 28 11 30	12 42 1 29 12 42 1 29
F 10 S 11	22 52 22 58		2 24 37 1 24 48	1 29 22 2 1 34 22 4			22 16 22 14	0 20 0 21	12 12 12 12		18 57 18 57		21 16 0 3 21 15 0 3		4 9 49 4 9 51		11 31 11 33	
S 12 M13 T 14	23 3 23 7 23 11	14 9 4 5	0 24 57 7 25 6 0 25 12	1 39 22 5 1 43 22 5 1 47 23			22 11	0 21 0 21 0 21	12 12 12 12 12 12	1 27	18 56 18 55 18 55	0 38	21 15 0 3 21 15 0 3 21 14 0 3	2 12 38 17	3 9 55 3 9 59 3 10 4	9 46 9 48 9 49		12 39 1 29
W15 T 16 F 17	23 15 23 18	19 0 4 2	8 25 22	1 51 23 1 1 54 23 2	2 0 8 3	53 0 2	22 5	0 21 0 21	12 13 12 13	1 27	18 54 18 53	0 37	21 14 0 3 21 14 0 3	1 12 37 17	2 10 9 2 10 14		11 41	12 37 1 29
S 18	23 23	17 59 3	2 25 24 4 25 25	2 1 23 3	0 13 3	20 On 1 33 O 3	22 1	0 21 0 21	12 14	1 28	18 53 18 52	0 37		1 12 37 17	1 10 18 1 10 21	9 53	11 43 11 44	12 36 1 29
S 19 M20 T 21	23 25 23 26 23 27	13 25 1	7 25 25 2 25 23 8 25 20	2 5 23 4	0 18 4	0 0 6	5 21 58 5 21 56 8 21 54	0 21 0 21 0 21	12 15	1 28	18 51 18 50 18 50	0 37	21 13 0 3 21 13 0 3 21 12 0 3		1 10 23 0 10 24 0 10 25	9 56	11 46 11 48 11 49	12 35 1 30
W22 T 23 F 24	23 28 23 27 23 27	1 40 2 2	8 25 15 5 25 8 6 25 0	2 10 23 5	2 0 25 4	40 0 11	21 52 21 50 3 21 48	0 21 0 21 0 21	12 16	1 29 1 29 1 29		0 37	21 12 0 3 21 12 0 3 21 11 0 3			9 59	11 51 11 53 11 54	12 33 1 30
S 25	23 26	7 23 4 1	5 24 51	2 11 23 5	0 29 5	7 0 14	21 45	0 22	12 18	1 29	18 46	0 37	21 11 0 3	1 12 34 16	59 10 26	10 1	11 56	12 32 1 30
S 26 M27 T 28	23 24 23 22 23 20	15 1 5	9 24 39 4 24 27 9 24 12	2 11 23 5	0 34 5	34 0 17	21 43 21 41 21 38	0 22 0 22 0 22	12 19		18 46 18 45 18 44	0 37	21 11 0 3 21 10 0 3 21 10 0 3		58 10 30	10 4	11 58 11 59 12 1	
	23 17 23 14 23 s10	18 58 3 5	3 23 56 0 23 39 3 23 s20	2 5 23 4	0 40 6	15 0 22	21 36 2 21 34 3 21 s31	0 22 0 22 0 s22	12 22	1 31	18 43 18 42 18 s41	0 37	21 10 0 3 21 9 0 3 21 s 9 0n3	1 12 32 16	57 10 40	10 7	12 4	

Julian Day Number = 2389787.5, Delta T = 10.15 sec Ecliptic obliquity =  $23^{\circ}27'32$ , Nutation = -  $0^{\circ}00'08$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $22^{\circ}22'45$ , Lahiri =  $21^{\circ}29'46$