

# Astrodienst Ephemeris Tables for the year 1888

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 1888 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	并	Р	ß	v	Ç	ķ	Day
S 1	6 40 21	10ට 3'32	0 <b>Ω</b> 6	29 <b>×</b> 39	25 <b>M</b> 31	12 <b>≏</b> 40	27 <b>M</b> 31	4°R51	17 <u>₽</u> 3	27°R38	3°R24	9°R50	11 <b>Ω</b> 15	26 <b>Υ</b> 2	28°R38	S 1
M 2	6 44 18	11° 4'40	13°30	1 <b>る</b> 12	26°40	13° 7	27°43	4Ω47	17° 4	27 <b>8</b> 37	3 <b>Ⅱ</b> 23	9°D50	11°12	26° 9	28耳34	M 2
T 3	6 48 14	12° 5'49	27° 5	2°45	27°49	13°34	27°54	4°42	17° 5	27°36	3°23	9 <b>Ω</b> 50	11° 9	26°16	28°30	T 3
W 4	6 52 11	13° 6'58	10 <b>m</b> /50	4°18	28°59	14° 1	28° 5	4°38	17° 6	27°35	3°22	9°52	11° 5	26°22	28°26	W 4
T 5	6 56 7	14° 8'07	24°44	5°52	0 <b>,</b> ₹0	14°28	28°16	4°34	17° 7	27°34	3°21	9°53	11° 2	26°29	28°22	T 5
F 6	7 0 4	15° 9'17	8 <b>≏</b> 46	7°26	1°18	14°54	28°27	4°29	17° 8	27°33	3°20	9°R54	10°59	26°36	28°19	F 6
S 7	7 4 1	16°10'26	22°55	9° 1	2°28	15°21	28°38	4°25	17° 9	27°32	3°19	9°54	10°56	26°43	28°15	S 7
S 8	7 7 57	17°11'36	7 <b>M</b> 9	10°35	3°37	15°47	28°49	4°20	17° 9	27°31	3°19	9°53	10°53	26°49	28°11	S 8
M 9	7 11 54	18°12'45	21°26	12°11	4°47	16°12	29° 0	4°15	17°10	27°30	3°18	9°51	10°50	26°56	28° 7	M 9
T 10	7 15 50	19°13'55	5 <b>₹</b> 43	13°47	5°58	16°38	29°11	4°11	17°11	27°29	3°17	9°48	10°46	27° 3	28° 4	T 10
W11	7 19 47	20°15'05	1 <u>9</u> °54	15°23	7° 8	17° 3	29°21	4° 6	17°12	27°28	3°16	9°45	10°43	27°10	28° 0	W11
T 12	7 23 43	21°16'15	3 <b>ප</b> 56	17° 0	8°18	17°28	29°32	4° 1	17°12	27°27	3°16	9°43	10°40	27°16	27°57	T 12
F 13	7 27 40	22°17'24	17°45	18°37	9°29	17°53	29°42	3°57	17°13	27°26	3°15	9°41	10°37	27°23	27°53	F 13
S 14	7 31 36	23°18'33	1≈17	20°14	10°39	18°17	29°53	3°52	17°13	27°26	3°14	9°40	10°34	27°30	27°50	S 14
S 15	7 35 33	24°19'41	14°30	21°53	11°50	18°41	0 <b>∡</b> 3	3°47	17°14	27°25	3°13	9°D40	10°31	27°36	27°46	S 15
M16	7 39 30	25°20'49	27°24	23°31	13° 1	19° 5	0°13	3°42	17°14	27°24	3°13	9°40	10°27	27°43	27°43	M16
T 17	7 43 26	26°21'56	10 <b>∀</b> 0	25°10	14°12	19°29	0°23	3°37	17°14	27°23	3°12	9°41	10°24	27°50	27°40	T 17
W18	7 47 23	27°23'02	22°19	26°50	15°23	19°52	0°33	3°32	17°14	27°23	3°12	9°43	10°21	27°57	27°36	W18
T 19	7 51 19	28°24'07	4 <b>Υ</b> 26	28°30	16°34	20°15	0°43	3°28	17°15	27°22	3°11	9°44	10°18	28° 3	27°33	T 19
F 20	7 55 16	29°25'11	16°23	0≈11	17°45	20°38	0°52	3°23	17°15	27°21	3°10	9°45	10°15	28°10	27°30	F 20
S 21	7 59 12	0≈26'15	28°16	1°53	18°56	21° 1	1° 2	3°18	17°15	27°21	3°10	9°R45	10°11	28°17	27°27	S 21
S 22	8 3 9	1°27'17	10 <b>8</b> 8	3°35	20° 7	21°23	1°11	3°13	17°R15	27°20	3° 9	9°45	10° 8	28°23	27°24	S 22
M23	8 7 5	2°28'19	22° 6	5°17	21°19	21°44	1°21	3° 8	17°15	27°20	3° 9	9°44	10° 5	28°30	27°21	M23
T 24	8 11 2	3°29'19	4 <b>Ⅱ</b> 14	7° 0	22°30	22° 6	1°30	3° 3	17°15	27°19	3° 8	9°44	10° 2	28°37	27°18	T 24
W25	8 14 59	4°30'19	16°34	8°44	23°42	22°27	1°39	2°58	17°15	27°19	3° 8	9°43	9°59	28°44	27°15	W25
T 26	8 18 55	5°31'17	29°11	10°28	24°53	22°48	1°48	2°53	17°14	27°18	3° 7	9°42	9°56	28°50	27°12	T 26
F 27	8 22 52	6°32'14	1295 7	12°13	26° 5	23° 8	1°57	2°48	17°14	27°18	3° 7	9°42	9°52	28°57	27° 9	F 27
S 28	8 26 48	7°33'11	25°22	13°58	27°17	23°28	2° 6	2°43	17°14	27°18	3° 7	9°42	9°49	29° 4	27° 7	S 28
S 29	8 30 45	8°34'06	8 <b>N</b> 56	15°43	28°29	23°48	2°15	2°38	17°13	27°17	3° 6	9°D42	9°46	29°11	27° 4	S 29
M30	8 34 41	9°35'00	22°46	17°29	2 <u>9</u> °40	24° 7	2°23	2°33	17°13	27°17	3° 6	9°R42	9°43	29°17	27° 1	M30
T 31	8 38 38	10≈35'53	6 <b>m</b> 50	19 <b>≈</b> 15	0 <b>ප</b> 52	24 <b>₽</b> 26	2 <b>₹</b> 32	2 <b>Ω</b> 29	17 <b>≏</b> 13	27 <b>8</b> 17	3 <b>II</b> 5	9 <b>Ω</b> 42	9 <b>Ω</b> 40	29 <b>Y</b> 24	26耳59	T 31

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S 1 M 2	23 s 4 22 59	17 6 0n20	24 21 0 :	49 16s32 2n42 55 16 49 2 41	3 s 4 2n 7 3 14 2 7	18 48 0 53	19 32 0 28	6s 5 0n40 6 6 0 40		8 37 12 26	17n48 17n25 17 48 17 26	5n26 5 28	16 49 6 38
T 3 W 4 T 5	22 54 22 48 22 42	10 0 2 42	3 24 26 1 2 24 29 1 2 24 31 1	1 17 5 2 40 6 17 22 2 39 12 17 38 2 37	3 24 2 8 3 34 2 8 3 43 2 9		19 34 0 28	6 6 0 40 6 6 0 40 6 7 0 40	17 57 1 44	8 37 12 26	17 48 17 26 17 47 17 27 17 47 17 28	5 30 5 32 5 35	16 49 6 38
F 6 S 7	22 35 22 28	0 39 4 29	24 32 1 24 31 1 2	17 17 53 2 36		18 58 0 53	19 36 0 28	6 7 0 40	17 56 1 44	8 37 12 26	17 47 17 29 17 47 17 30	5 37 5 39	16 49 6 38
S 8 M 9 T 10	_	13 10 5 8	1 24 29 1 2 3 24 25 1 2	32 18 38 2 31	4 12 2 11 4 21 2 12	19 5 0 53		6 8 0 40	17 56 1 44	8 37 12 25	17 47 17 31 17 47 17 32	5 41 5 43	16 49 6 38
	22 4 21 55 21 46	19 4 4 1	3 24 20 1 3 1 24 13 1 4 5 24 6 1 4	40 19 6 2 27	4 39 2 13		19 41 0 29 19 42 0 29 19 44 0 29	6 8 0 40	17 56 1 43	8 38 12 25	17 48 17 32 17 49 17 33 17 50 17 34	5 46 5 48 5 50	16 49 6 37
_	21 36 21 26		3 23 56 1 4 5 23 45 1 :			19 14 0 53 19 16 0 53	19 45 0 29 19 46 0 29		17 55 1 43 17 55 1 43		17 50 17 35 17 50 17 36	5 52 5 54	
S 15 M16 T 17	21 16 21 5 20 53	13 53 1 37	23 19 1 :	54 19 56 2 19 57 20 7 2 16 59 20 18 2 14	5 23 2 16	19 18 0 53 19 20 0 53 19 22 0 53	19 49 0 29	6 9 0 40	-,	8 38 12 23	17 50 17 37 17 50 17 38 17 50 17 39	5 56 5 59 6 1	
W18 T 19	20 42 20 30	6 20 3 35 2 12 4 19	5 22 47 2 2 22 28 2	1 20 28 2 12 3 20 38 2 9	5 40 2 17 5 48 2 18	19 24 0 53 19 26 0 53	19 51 0 30 19 52 0 30	6 9 0 40 6 9 0 40	17 55 1 43 17 55 1 43	8 38 12 23 8 39 12 23	17 50 17 39 17 49 17 40	6 3 6 5	16 50 6 36 16 50 6 36
F 20 S 21	20 17 20 4		21 47 2	4 20 47 2 6 5 20 56 2 4	6 3 2 19	19 30 0 53	19 54 0 30 19 55 0 30	6 9 0 40	17 54 1 43	8 39 12 22	17 49 17 41 17 49 17 42	6 10	
S 22 M23 T 24				5 21 4 2 1 5 21 12 1 58 5 21 19 1 56	6 11 2 20 6 19 2 20 6 26 2 21	19 34 0 54	19 56 0 30 19 57 0 30 19 59 0 30	6 9 0 40		8 39 12 22	17 49 17 43 17 49 17 44 17 49 17 45	6 12 6 14 6 16	16 51 6 35
W25 T 26	19 9 18 54	18 34 4 14 20 1 3 26	20 5 2 5 19 35 2	4 21 26 1 53 3 21 31 1 50	6 33 2 21 6 40 2 22	19 38 0 54 19 39 0 54	20 0 0 30 20 1 0 30	6 9 0 41 6 9 0 41	17 54 1 43 17 54 1 43	8 40 12 21 8 40 12 21	17 50 17 45 17 50 17 46	6 18 6 21	16 51 6 34 16 51 6 34
F 27 S 28	18 24		18 32 1 :	1 21 37 1 47 58 21 42 1 44	6 54 2 23	19 41 0 54 19 43 0 54	20 4 0 31	6 9 0 41	17 54 1 42	8 40 12 20	17 50 17 47 17 50 17 48	6 23 6 25	16 52 6 34
S 29 M30 T 31	18 8 17 52 17 s35	15 4 1n12	2 17 23 1 :	55 21 46 1 41 52 21 49 1 38 48 21 s52 1n35	7 1 2 24 7 7 2 24 7s14 2n25	19 46 0 54		6 8 0 41	17 54 1 42 17 54 1 42 17n54 1 s42	8 41 12 20	17 50 17 49 17 50 17 50 17n50 17n50	6 27 6 29 6n31	16 52 6 33

Julian Day Number = 2410637.5, Delta T = -4.00 sec Ecliptic obliquity =  $23^{\circ}27'07$ , Nutation = -  $0^{\circ}00'13$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}10'34$ , Lahiri =  $22^{\circ}17'35$ 

FEBRUARY 1888 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)Å(	并	Р	រា	ນ	Ç	Ŗ	Day
W 1	8 42 34	11≈36'46	21 m/ 3	21≈ 1	2	24 <u>₽</u> 45	2 <b>₹</b> 40	2°R24	17°R12	27°R17	3°R 5	9°R41	9 <b>Ω</b> 37	29 <b>Υ</b> 31	26°R57	W 1
T 2	8 46 31	12°37'37	5 <u><b>Ω</b></u> 22	22°47	3°16	25° 3	2°48	2 <b>Ω</b> 19	17 <b>≏</b> 11	27816	3 <b>II</b> 5	9 <b>Ω</b> 41	9°33	29°37	26耳54	T 2
F 3	8 50 28	13°38'27	19°41	24°33	4°29	25°21	2°56	2°14	17°11	27°16	3° 4	9°41	9°30	29°44	26°52	F 3
S 4	8 54 24	14°39'17	3 <b>M</b> .59	26°18	5°41	25°38	3° 4	2° 9	17°10	27°16	3° 4	9°41	9°27	29°51	26°50	S 4
S 5	8 58 21	15°40'06	18°10	28° 3	6°53	25°55	3°12	2° 5	17° 9	27°16	3° 4	9°D40	9°24	29°58	26°48	S 5
M 6	9 2 17	16°40'54	2 <b>√</b> 14	29°47	8° 5	26°12	3°20	2° 0	17° 9	27°16	3° 4	9°41	9°21	0 <b>8</b> 4	26°45	M 6
T 7	9 6 14	17°41'41	16° 9	1 <b>米</b> 30	9°18	26°28	3°27	1°55	17° 8	27°D16	3° 3	9°41	9°17	0°11	26°43	T 7
W 8	9 10 10	18°42'27	29°53	3°12	10°30	26°43	3°35	1°51	17° 7	27°16	3° 3	9°42	9°14	0°18	26°42	W 8
T 9	9 14 7	19°43'12	13 <b>る</b> 26	4°51	11°42	26°58	3°42	1°46	17° 6	27°16	3° 3	9°43	9°11	0°24	26°40	T 9
F 10	9 18 3	20°43'56	26°47	6°29	12°55	27°13	3°49	1°42	17° 5	27°16	3° 3	9°44	9° 8	0°31	26°38	F 10
S 11	9 22 0	21°44'38	9 <b>≈</b> 55	8° 3	14° 8	27°27	3°56	1°37	17° 4	27°16	3° 3	9°R44	9° 5	0°38	26°36	S 11
S 12	9 25 57	22°45'19	22°49	9°34	15°20	27°41	4° 3	1°33	17° 3	27°17	3° 3	9°44	9° 2	0°45	26°35	S 12
M13	9 29 53	23°45'59	5 <b>∺</b> 30	11° 0	16°33	27°54	4°10	1°28	17° 1	27°17	3° 3	9°42	8°58	0°51	26°33	M13
T 14	9 33 50	24°46'37	17°57	12°23	17°45	28° 6	4°16	1°24	17° 0	27°17	3° 3	9°41	8°55	0°58	26°32	T 14
W15	9 37 46	25°47'14	0 <b>Υ</b> 12	13°39	18°58	28°19	4°23	1°20	16°59	27°17	3° 3	9°38	8°52	1° 5	26°30	W15
T 16	9 41 43	26°47'49	12°17	14°50	20°11	28°30	4°29	1°15	16°58	27°18	3°D 3	9°35	8°49	1°11	26°29	T 16
F 17	9 45 39	27°48'22	24°14	15°54	21°23	28°41	4°35	1°11	16°56	27°18	3° 3	9°33	8°46	1°18	26°28	F 17
S 18	9 49 36	28°48'53	6 <b>8</b> 7	16°51	22°36	28°51	4°41	1° 7	16°55	27°18	3° 3	9°30	8°42	1°25	26°27	S 18
S 19	9 53 32	29°49'23	17°59	17°39	23°49	29° 1	4°47	1° 3	16°53	27°19	3° 3	9°29	8°39	1°32	26°26	S 19
M20	9 57 29	0 <b>¥</b> 49'51	29°55	18°19	25° 2	29°10	4°52	0°59	16°52	27°19	3° 3	9°D28	8°36	1°38	26°25	M20
T 21	10 1 26	1°50'17	12 <b>II</b> 0	18°49	26°15	29°19	4°58	0°55	16°50	27°20	3° 3	9°29	8°33	1°45	26°24	T 21
W22	10 5 22	2°50'41	24°18	19°10	27°28	29°27	5° 3	0°51	16°49	27°20	3° 3	9°30	8°30	1°52	26°23	W22
T 23	10 9 19	3°51'03	6955	19°21	28°40	29°35	5° 8	0°48	16°47	27°21	3° 3	9°32	8°27	1°59	26°22	T 23
F 24	10 13 15	4°51'23	19°53	19°R23	29°53	29°41	5°13	0°44	16°46	27°21	3° 3	9°33	8°23	2° 5	26°22	F 24
S 25	10 17 12	5°51'42	3 <b>Ω</b> 14	19°14	1≈ 6	29°48	5°18	0°41	16°44	27°22	3° 3	9°R34	8°20	2°12	26°21	S 25
S 26	10 21 8	6°51'58	17° 1	18°56	2°19	29°53	5°23	0°37	16°42	27°22	3° 4	9°34	8°17	2°19	26°21	S 26
M27	10 25 5	7°52'13	1 <b>m</b> p 1 1	18°29	3°32	29°58	5°27	0°34	16°40	27°23	3° 4	9°33	8°14	2°25	26°21	M27
T 28	10 29 1	8°52'25	15°40	17°53	4°45	OM 2	5°32	0°30	16°38	27°24	3° 4	9°30	8°11	2°32	26°20	T 28
W29	10 32 58	9 <b>米</b> 52'36	0 <b>ჲ</b> 23	17 <b>米</b> 10	5≈58	OM 6	5 <b>₹</b> 36	$0\Omega 27$	16 <b>≏</b> 37	27825	3 <b>I</b> 4	9 <b>Ω</b> 26	$8\Omega$ 8	2 <b>8</b> 39	26 <b>Ⅱ</b> 20	W29

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W 1	17 s19	6n46	3n30	16s 8	1 s43	21 s55	1n31	7 s20	2n26	19 s49	0n54	20n 8	0n31	6s 8	0n41	17n54	1 s42	8n41	12s19	17n50	17n51	6n34	16n53	6 s32
T 2	17 2	1 53	4 22	15 28	1 38	21 57	1 28	7 26	2 26	19 51	0 54	20 10	0 31	6 8	0 41	17 54	1 42	8 41	12 19	17 50	17 52	6 36	16 53	6 32
F 3	16 44	3 s 6	4 58	14 47	1 32	21 58	1 25	7 32	2 27	19 52	0 54	20 11	0 31	6 7	0 41	17 54	1 42	8 41	12 19	17 50	17 53	6 38	16 53	6 32
S 4	16 27	7 54	5 16	14 5	1 25	21 58	1 22	7 37	2 28	19 54	0 54	20 12	0 31	6 7	0 41	17 54	1 42	8 42	12 18	17 50	17 54	6 40	16 54	6 31
S 5	16 9	12 13	5 14	13 22	1 18	21 58	1 18	7 43	2 28	19 55	0 55	20 13	0 31	6 7	0 41	17 54	1 42	8 42	12 18	17 50	17 55	6 42	16 54	6 31
M 6	15 51	15 50	4 53	12 38	1 10	21 57	1 15	7 48	2 29	19 56	0 55	20 14	0 31	6 6	0 41	17 54	1 42	8 42	12 18	17 50	17 56	6 45	16 54	6 31
T 7	15 32	18 30	4 15	11 53	1 1	21 56	1 12	7 54	2 29	19 58	0 55	20 15	0 32	6 6	0 41	17 54	1 42	8 42	12 17	17 50	17 56	6 47	16 54	6 30
W 8	15 14	20 4	3 23	11 8	0 51	21 54	1 8	7 59	2 30	19 59	0 55	20 16	0 32	6 6	0 41	17 54	1 42	8 43	12 17	17 50	17 57	6 49	16 55	6 30
T 9	14 55	20 27	2 21	10 22	0 41	21 51	1 5	8 4	2 30	20 0	0 55	20 18	0 32	6 5	0 41	17 54	1 42	8 43	12 17	17 50	17 58	6 51	16 55	6 30
F 10	14 35	19 39	1 11	9 36	0 30	21 48	1 2	8 8	2 31	20 2	0 55	20 19	0 32	6 5	0 41	17 55	1 42	8 43	12 17	17 49	17 59	6 53	16 55	6 29
S 11	14 16	17 47	0s 1	8 50	0 18	21 44	0 58	8 13	2 32	20 3	0 55	20 20	0 32	6 4	0 41	17 55	1 42	8 43	12 16	17 49	18 0	6 56	16 56	6 29
S 12	13 56	15 3	1 12	8 4	0 6	21 40	0 55	8 17	2 32	20 4	0 55	20 21	0 32	6 4	0 41	17 55	1 42	8 44	12 16	17 49	18 1		16 56	6 28
M13	13 36	11 38	2 18	7 19	0n 8	21 34	0 52	8 21		20 5	0 55	20 22	0 32	6 4	0 41	17 55	1 42	8 44	12 16	17 50	18 1	7 0	16 57	6 28
T 14	13 16	7 46	3 16	6 36	0 21	21 29	0 48	8 25	2 33			20 23	0 32			17 55	1 41	8 44	12 15	17 50	18 2		16 57	6 28
W15	12 56	3 39	4 4	5 53		21 22	0 45	8 29	2 34			20 24	0 32	6 3	0 41	17 55	1 41	8 44	-				16 57	6 27
T 16	12 35	0n33	4 40	5 12	0 50	21 15	0 41	8 33	2 34	20 8	0 55	20 25	0 32	6 2	0 41	17 55	1 41	8 45	12 15	17 52	18 4	7 7	16 58	6 27
F 17	12 15	4 41	5 4	4 33	1 6		0 38	8 36		20 9		20 26	0 32	6 1	0 41	17 55	1 41	8 45	-				16 58	6 26
S 18	11 54	8 37	5 15	3 57	1 21	20 59	0 35	8 39	2 35	20 10	0 56	20 27	0 32	6 1	0 41	17 56	1 41	8 45	12 14	17 53	18 6	7 11	16 58	6 26
	11 32		5 12	3 24		20 50	0 31	8 42		20 11		20 28	0 33	6 0	0 41	17 56	1 41				18 6		16 59	6 26
M20	11 11		4 55			20 41	0 28	8 45		20 12		20 29	0 33	6 0			1 41	8 46					16 59	6 25
T 21		17 51	4 26	-		20 31	0 25	8 48		20 13		20 30	0 33	5 59	-		1 41	8 46	-			7 17		6 25
W22		19 36	3 44		2 22		0 21	8 50		20 14		20 31	0 33				1 41				18 9	7 20		6 24
T 23		20 27	2 50				0 18	8 52		20 15		20 31	0 33		-	17 56	1 41				18 10	7 22		6 24
F 24	9 44	20 14	1 46	1 37		19 57	0 15	8 54	2 38	20 16	0 56	20 32	0 33	5 57	0 41	17 57	1 41				18 11	7 24	17 1	6 23
S 25	9 22	18 53	0 35	1 29	3 2	19 44	0 11	8 56	2 38	20 16	0 56	20 33	0 33	5 57	0 41	17 57	1 41	8 48	12 12	17 52	18 11	7 26	17 1	6 23
S 26	9 0	16 23	0n41	1 26	3 13	19 31	0 8	8 57	2 39	20 17	0 56	20 34	0 33	5 56	0 41	17 57	1 41	8 48	12 12	17 52	18 12	7 28	17 2	6 23
M27	8 37	12 52	1 56	1 27	3 22	19 18	0 5	8 59	2 39	20 18	0 56	20 35	0 33	5 55	0 41	17 57	1 41	8 48	12 12	17 52	18 13	7 31	17 2	6 22
T 28	8 15	8 29	3 5	1 34	3 30	19 3	0 2	9 0	2 40	20 19	0 57	20 36	0 33	5 54	0 41	17 57	1 41	8 49	12 11	17 53	18 14	7 33	17 3	6 22
W29	7 s52	3n34	4n 3	1 s45	3n36	18 s49	0 s 1	9 s 1	2n40	20s19	0n57	20n36	0n33	5 s54	0n41	17n58	1 s41	8n49	12 s 1 1	17n54	18n15	7n35	17n 3	6 s21

 $\label{eq:Julian Day Number = 2410668.5, Delta T = -3.98 sec} \\ Ecliptic obliquity = 23°27'08, Nutation = -0°00'12, out-of-bounds declination in red$ 

Ayanamsha: Fagan/Bradley = 23°10'39, Lahiri = 22°17'39

MARCH 1888 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ	)Å(	¥	Р	n	v	Ç	Ŷ,	Day
T 1	10 36 55	10 <b>)</b> 52'45	15 <b>≏</b> 11	16°R21	7≈11	OM 9	5 <b>₹</b> 40	0°R24	16°R35	27 <b>8</b> 25	3 <b>II</b> 5	9°R21	8 <b>Q</b> 4	2 <b>8</b> 46	26°D20	T 1
F 2	10 40 51	11°52'53	29°57	15 <b>米</b> 26	8°25	0°11	5°43	$0\Omega 21$	16 <b>₽</b> 33	27°26	3° 5	9 <b>Ω</b> 17	8° 1	2°52	26耳20	F 2
S 3	10 44 48	12°52'59	14 <b>M</b> 34	14°28	9°38	0°12	5°47	0°18	16°31	27°27	3° 5	9°13	7°58	2°59	26°20	S 3
S 4	10 48 44	13°53'03	28°57	13°27	10°51	0°R13	5°51	0°15	16°29	27°28	3° 6	9°10	7°55	3° 6	26°20	S 4
M 5	10 52 41	14°53'06	13×7 2	12°26	12° 4	0°13	5°54	0°12	16°27	27°29	3° 6	9°D 9	7°52	3°13	26°21	M 5
T 6	10 56 37	15°53'08	26°49	11°25	13°17	0°12	5°57	0° 9	16°25	27°30	3° 6	9°10	7°48	3°19	26°21	T 6
W 7	11 0 34	16°53'08	10 <b>궁</b> 18	10°27	14°30	0°11	6° 0	0° 7	16°23	27°31	3° 7	9°11	7°45	3°26	26°21	W 7
T 8	11 430	17°53'06	23°31	9°31	15°44	0° 8	6° 3	0° 4	16°20	27°32	3° 7	9°13	7°42	3°33	26°22	T 8
F 9	11 8 27	18°53'02	6≈29	8°39	16°57	0° 5	6° 5	0° 2	16°18	27°33	3°8	9°R13	7°39	3°39	26°23	F 9
S 10	11 12 24	19°52'57	19°14	7°53	18°10	0° 1	6° 8	299559	16°16	27°34	3° 8	9°13	7°36	3°46	26°23	S 10
S 11	11 16 20	20°52'50	1 <b>) (</b> 48	7°12	19°23	29 <b>ჲ</b> 57	6°10	29°57	16°14	27°35	3° 9	9°11	7°33	3°53	26°24	S 11
M12	11 20 17	21°52'41	14°12	6°36	20°37	29°51	6°12	29°55	16°12	27°36	3° 9	9° 6	7°29	4° 0	26°25	M12
T 13	11 24 13	22°52'30	26°27	6° 7	21°50	29°45	6°14	29°53	16° 9	27°37	3°10	8°59	7°26	4° 6	26°26	T 13
W14	11 28 10	23°52'17	8 <b>Ƴ</b> 34	5°45	23° 3	29°38	6°15	29°51	16° 7	27°38	3°10	8°51	7°23	4°13	26°27	W14
T 15	11 32 6	24°52'02	20°34	5°28	24°17	29°31	6°17	29°50	16° 5	27°39	3°11	8°42	7°20	4°20	26°28	T 15
F 16	11 36 3	25°51'45	2829	5°19	25°30	29°22	6°18	29°48	16° 2	27°41	3°12	8°33	7°17	4°26	26°29	F 16
S 17	11 39 59	26°51'26	14°20	5°D15	26°43	29°13	6°19	29°46	16° 0	27°42	3°12	8°25	7°14	4°33	26°30	S 17
S 18	11 43 56	27°51'04	26°12	5°17	27°57	29° 3	6°20	29°45	15°57	27°43	3°13	8°18	7°10	4°40	26°32	S 18
M19	11 47 52	28°50'40	8 <b>I</b> I 6	5°25	29°10	28°52	6°21	29°43	15°55	27°45	3°13	8°14	7° 7	4°47	26°33	M19
T 20	11 51 49	29°50'15	20° 9	5°39	0 <b>∺</b> 23	28°41	6°21	29°42	15°53	27°46	3°14	8°11	7° 4	4°53	26°35	T 20
W21	11 55 46	0 <b>℃</b> 49'46	29523	5°57	1°37	28°28	6°21	29°41	15°50	27°47	3°15	8°D11	7° 1	5° 0	26°36	W21
T 22	11 59 42	1°49'16	14°54	6°21	2°50	28°15	6°R22	29°40	15°48	27°49	3°16	8°11	6°58	5° 7	26°38	T 22
F 23	12 3 39	2°48'43	27°47	6°49	4° 3	28° 2	6°22	29°39	15°45	27°50	3°16	8°12	6°54	5°14	26°40	F 23
S 24	12 7 35	3°48'08	11 <b>0</b> 6	7°22	5°17	27°47	6°21	29°38	15°43	27°52	3°17	8°R13	6°51	5°20	26°42	S 24
S 25	12 11 32	4°47'31	24°54	7°59	6°30	27°32	6°21	29°37	15°40	27°53	3°18	8°11	6°48	5°27	26°44	S 25
M26	12 15 28	5°46'51	9 <b>m</b> /10	8°40	7°44	27°16	6°20	29°37	15°38	27°55	3°19	8° 8	6°45	5°34	26°46	M26
T 27	12 19 25	6°46'09	23°51	9°25	8°57	27° 0	6°20	29°36	15°35	27°56	3°19	8° 2	6°42	5°40	26°48	T 27
W28	12 23 21	7°45'25	8 <b>≏</b> 52	10°13	10°10	26°43	6°19	29°36	15°33	27°58	3°20	7°54	6°39	5°47	26°50	W28
T 29	12 27 18	8°44'39	24° 3	11° 4	11°24	26°25	6°17	29°36	15°30	27°59	3°21	7°45	6°35	5°54	26°52	T 29
F 30	12 31 15	9°43'50	9 <b>m</b> .13	11°59	12°37	26° 7	6°16	29°35	15°27	28° 1	3°22	7°36	6°32	6° 1	26°55	F 30
S 31	12 35 11	10 <b>°</b> 43'01	24 <b>M</b> 13	12 <b>米</b> 56	13 <b>米</b> 51	25 <b>≏</b> 48	6 <b>才</b> 15	29°D35	15 <b>≏</b> 25	28 <b>8</b> 3	3 <b>Ⅱ</b> 23	7 <b>Ω</b> 28	$6\Omega$ 29	6 <b>8</b> 7	26 <b>Ⅱ</b> 57	S 31

Day	0	D	ğ	·	♂	4	ħ	)Å(	卉	Р	v v	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1	7 s29	1 s36 4n45	2 s 1 3 n 4 0			20 s20 0n57					17n55 18n16		17n 3 6s21
F 2	7 7	6 39 5 8	2 20 3 42				20 38 0 33				17 57 18 16		
S 3	6 44	11 16 5 10	2 43 3 42	2 18 1 0 11	9 2 2 41	20 21 0 57	20 39 0 33	5 51 0 42	17 58 1 40	8 50 12 10	17 58 18 17	7 41	17 4 6 20
S 4	6 21	15 9 4 54	3 8 3 3	9 17 45 0 14	9 2 2 41		20 39 0 33	5 51 0 42	17 59 1 40	8 50 12 10	17 58 18 18	7 44	17 5 6 19
M 5	5 57	18 5 4 19	3 35 3 3:	5 17 27 0 17	9 2 2 41	20 22 0 57	20 40 0 34	5 50 0 42	17 59 1 40	8 51 12 10	17 59 18 19	7 46	17 5 6 19
T 6	5 34	19 55 3 30	4 4 3 2	8 17 9 0 20	9 2 2 41	20 22 0 57	20 40 0 34	5 49 0 42	17 59 1 40	8 51 12 9	17 58 18 20	7 48	17 6 6 19
W 7	5 11	20 33 2 31	4 34 3 20	0 16 51 0 23	9 1 2 41				17 59 1 40	8 51 12 9	17 58 18 20	7 50	17 6 6 18
T 8		20 1 1 24	5 4 3 10				20 42 0 34				17 58 18 21	7 52	
F 9	4 24						20 42 0 34				17 57 18 22		
S 10	4 1	15 55 0s54	6 2 2 4	7 15 53 0 31	8 58 2 42	20 24 0 58	20 43 0 34	5 46 0 42	18 0 1 40	8 52 12 8	17 58 18 23	7 57	17 8 6 17
S 11	3 37	12 42 1 59	6 30 2 3	4 15 33 0 34	8 56 2 42	20 24 0 58	20 43 0 34	5 45 0 42	18 1 1 40	8 53 12 8	17 58 18 24	7 59	17 8 6 16
M12	3 13	8 57 2 58	6 55 2 20	0 15 13 0 37	8 54 2 42	20 24 0 58	20 44 0 34	5 44 0 42	18 1 1 40	8 53 12 8	17 59 18 25	8 1	17 9 6 16
T 13	2 50	4 53 3 47	7 19 2	6 14 52 0 39	8 52 2 41	20 25 0 58	20 44 0 34	5 43 0 42	18 1 1 40	8 53 12 7	18 1 18 25	8 3	17 9 6 15
W14	2 26	0 40 4 26	7 41 1 5	1 14 30 0 42	8 50 2 41	20 25 0 58	20 45 0 34	5 42 0 42	18 1 1 40	8 54 12 7	18 3 18 26	8 5	17 10 6 15
T 15	2 2	3n31 4 52	8 1 1 3	6 14 8 0 45	8 48 2 41	20 25 0 58	20 45 0 34	5 41 0 42	18 2 1 40	8 54 12 7	18 6 18 27	8 8	17 10 6 14
F 16	1 39	7 33 5 5	8 19 1 2	1 13 46 0 47	8 45 2 41	20 25 0 58	20 46 0 34	5 40 0 42	18 2 1 40	8 55 12 7	18 8 18 28	8 10	17 10 6 14
S 17	1 15	11 17 5 5	8 34 1	7 13 23 0 50	8 42 2 41	20 25 0 58	20 46 0 34	5 39 0 42	18 2 1 40	8 55 12 6	18 10 18 29	8 12	17 11 6 14
S 18	0 51	14 34 4 52	8 46 0 52	2 13 0 0 52	8 39 2 40	20 25 0 58	20 46 0 34	5 38 0 42	18 3 1 39	8 55 12 6	18 12 18 29	8 14	17 11 6 13
M19	0 28	17 17 4 27	8 57 0 3	8 12 37 0 54	8 35 2 40	20 25 0 58	20 47 0 34	5 37 0 42	18 3 1 39	8 56 12 6	18 13 18 30	8 16	17 12 6 13
T 20	0 4	19 17 3 49	9 5 0 2	4 12 13 0 57	8 31 2 39	20 25 0 59	20 47 0 34	5 37 0 42	18 4 1 39	8 56 12 5	18 14 18 31	8 19	17 12 6 12
W21	0n20	20 26 3 0	9 10 0 10	0 11 49 0 59	8 28 2 39	20 25 0 59	20 47 0 34	5 36 0 42	18 4 1 39	8 56 12 5	18 14 18 32	8 21	17 13 6 12
T 22	0 43	20 36 2 2	9 14 0s 3	3 11 25 1 1			20 47 0 34	5 35 0 42	18 4 1 39	8 57 12 5	18 14 18 33	8 23	17 13 6 11
F 23	1 7	19 42 0 56	9 15 0 1:	5 11 0 1 3	8 19 2 38	20 25 0 59	20 48 0 34	5 34 0 42	18 5 1 39	8 57 12 5	18 13 18 33	8 25	17 14 6 11
S 24	1 31	17 42 0n16	9 14 0 2	7 10 35 1 5	8 15 2 37	20 25 0 59	20 48 0 34	5 33 0 42	18 5 1 39	8 58 12 4	18 13 18 34	8 27	17 14 6 10
S 25	1 54	14 37 1 28	9 11 0 39	9 10 10 1 7	8 10 2 36	20 25 0 59	20 48 0 34	5 32 0 42	18 5 1 39	8 58 12 4	18 14 18 35	8 29	17 15 6 10
M26	2 18	10 34 2 38	9 6 0 50	0 9 44 1 9		20 25 0 59	20 48 0 34	5 31 0 42	18 6 1 39	8 58 12 4	18 15 18 36	8 32	17 15 6 10
T 27	2 41	5 47 3 39	8 59 1	0 9 19 1 11			20 48 0 35	5 30 0 42	18 6 1 39	8 59 12 4	18 16 18 37	8 34	17 16 6 9
W28	3 5	0 34 4 26	8 50 1 10				20 49 0 35			8 59 12 3			17 16 6 9
T 29	3 28	4 s 4 5 5	8 39 1 20	0 8 26 1 14			20 49 0 35	5 28 0 42	18 7 1 39	9 0 12 3			17 17 6 8
F 30	3 51	9 46 5 4	8 26 1 29		7 44 2 32	20 23 0 59	20 49 0 35	5 27 0 42	18 7 1 39		18 23 18 39		17 17 6 8
S 31	4n15	14s 8 4n51	8 s 1 2 1 s 3	7 7 s33 1 s17	7 s38 2n31	20 s23 0n59	20n49 0n35	5 s26 0n42	18n 8 1s39	9n 0 12s 3	18n25 18n40	8n42	17n18 6s 7

Julian Day Number = 2410697.5, Delta T = -3.97 sec Ecliptic obliquity =  $23^{\circ}27'09$ , Nutation = -0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}10'43$ , Lahiri =  $22^{\circ}17'43$ 

APRIL 1888 00:00 UT

AI IX	LL TOO	,													00.0	0 0 1
Day	Sid.t	0	D	ğ	Q.	ď	4	ħ	)મ(	并	Р	u	v	Ç	ķ	Day
S 1	12 39 8	11 <b>Y</b> 42'09	8 <b>₹</b> 53	13 <b>米</b> 57	15 <b>)</b> 4	25°R29	6°R13	29935	15°R22	28 <b>8</b> 4	3 <b>П</b> 24	7°R21	6 <b>Ω</b> 26	6 <b>8</b> 14	27 <b>I</b> I 0	S 1
M 2	12 43 4	12°41'15	23°11	15° 0	16°18	25 <b>♀</b> 9	6 <b>₹</b> 11	29°36	15 <b>≏</b> 20	28° 6	3°25	$7\Omega 18$	6°23	6°21	27° 2	M 2
T 3	12 47 1	13°40'20	7중 2	16° 5	17°31	24°49	6° 9	29°36	15°17	28° 8	3°25	7°16	6°19	6°27	27° 5	T 3
W 4	12 50 57	14°39'23	20°29	17°13	18°44	24°28	6° 7	29°36	15°15	28° 9	3°26	7°D16	6°16	6°34	27° 8	W 4
T 5	12 54 54	15°38'25	3≈34	18°24	19°58	24° 7	6° 4	29°37	15°12	28°11	3°27	7°R16	6°13	6°41	27°10	T 5
F 6	12 58 50	16°37'24	16°20	19°36	21°11	23°45	6° 2	29°37	15° 9	28°13	3°28	7°16	6°10	6°48	27°13	F 6
S 7	13 2 47	17°36'22	28°50	20°51	22°25	23°23	5°59	29°38	15° 7	28°15	3°29	7°14	6° 7	6°54	27°16	S 7
S 8	13 6 44	18°35'18	11 <b>)</b> 10	22° 8	23°38	23° 1	5°56	29°39	15° 4	28°16	3°30	7° 9	6° 4	7° 1	27°19	S 8
M 9	13 10 40	19°34'12	23°20	23°26	24°52	22°39	5°53	29°40	15° 2	28°18	3°31	7° 2	6° 0	7° 8	27°22	M 9
T 10	13 14 37	20°33'04	5 <b>Y</b> 23	24°47	26° 5	22°16	5°49	29°41	14°59	28°20	3°32	6°52	5°57	7°15	27°26	T 10
W11	13 18 33	21°31'54	17°22	26°10	27°19	21°53	5°46	29°42	14°57	28°22	3°33	6°39	5°54	7°21	27°29	W11
T 12	13 22 30	22°30'42	29°17	27°34	28°32	21°30	5°42	29°43	14°54	28°24	3°34	6°25	5°51	7°28	27°32	T 12
F 13	13 26 26	23°29'28	118 9	29° 0	29°46	21° 7	5°38	29°44	14°51	28°26	3°36	6°12	5°48	7°35	27°35	F 13
S 14	13 30 23	24°28'13	23° 1	0 <b>Υ</b> 28	<b>0Υ</b> 59	20°45	5°34	29°46	14°49	28°28	3°37	5°59	5°45	7°41	27°39	S 14
S 15	13 34 19	25°26'55	4 <b>II</b> 53	1°58	2°13	20°22	5°30	29°47	14°46	28°30	3°38	5°48	5°41	7°48	27°42	S 15
M16	13 38 16	26°25'35	16°49	3°30	3°26	19°59	5°26	29°49	14°44	28°32	3°39	5°39	5°38	7°55	27°46	M16
T 17	13 42 12	27°24'13	28°52	5° 3	4°39	19°36	5°21	29°51	14°41	28°34	3°40	5°34	5°35	8° 2	27°50	T 17
W18	13 46 9	28°22'48	1195 5	6°38	5°53	19°14	5°16	29°53	14°39	28°36	3°41	5°31	5°32	8° 8	27°53	W18
T 19	13 50 6	29°21'22	23°33	8°14	7° 6	18°51	5°12	29°55	14°36	28°38	3°42	5°30	5°29	8°15	27°57	T 19
F 20	13 54 2	0819'53	$6\Omega 21$	9°53	8°20	18°29	5° 7	29°57	14°34	28°40	3°43	5°30	5°25	8°22	28° 1	F 20
S 21	13 57 59	1°18'22	19°34	11°33	9°33	18° 8	5° 2	29°59	14°31	28°42	3°45	5°30	5°22	8°28	28° 5	S 21
S 22	14 1 55	2°16'49	3 <b>m</b> ) 14	13°14	10°47	17°46	4°56	0 <b>Ω</b> 1	14°29	28°44	3°46	5°28	5°19	8°35	28° 9	S 22
M23	14 5 52	3°15'14	17°24	14°58	12° 0	17°25	4°51	0° 4	14°27	28°46	3°47	5°24	5°16	8°42	28°13	M23
T 24	14 9 48	4°13'36	2 <b>º</b> 2	16°43	13°14	17° 5	4°45	0° 6	14°24	28°48	3°48	5°17	5°13	8°49	28°17	T 24
W25	14 13 45	5°11'57	17° 4	18°30	14°27	16°44	4°40	0° 9	14°22	28°50	3°49	5° 8	5°10	8°55	28°21	W25
T 26	14 17 41	6°10'16	2 <b>M</b> 21	20°18	15°41	16°25	4°34	0°12	14°19	28°52	3°51	4°57	5° 6	9° 2	28°25	T 26
F 27	14 21 38	7° 8'33	17°42	22° 9	16°54	16° 6	4°28	0°14	14°17	28°54	3°52	4°46	5° 3	9° 9	28°29	F 27
S 28	14 25 35	8° 6'48	2 <b>₹</b> 56	24° 1	18° 7	15°47	4°22	0°17	14°15	28°56	3°53	4°36	5° 0	9°16	28°34	S 28
S 29	14 29 31	9° 5'01	1 <u>7</u> °51	25°55	19°21	15°29	4°16	0°20	14°13	28°58	3°54	4°28	4°57	9°22	28°38	S 29
M30	14 33 28	108 3'13	2 <b>る</b> 22	27 <b>Υ</b> 50	20 <b>Υ</b> 34	15 <b>≏</b> 12	4 <b>₹</b> 10	$0\Omega 23$	14 <b>₽</b> 10	29 <b>8</b> 0	3耳56	$4\Omega 23$	$4\Omega$ 54	9 <b>8</b> 29	28∏43	M30

Day	0	D		ğ		ρ		ď	7	2	+	Ť	ì	)	ţ(	<b>¥</b>		Р	ß	Ω	Ç	Š	
	decl	decl lat	:	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl la	at	decl lat	decl	decl	decl	decl	lat
S 1 M 2			In19 3 32	7s56 7 38	1 s45 1 52	7s 6 6 39	1s19 1 20	7 s32 7 26		20 s23 20 22	1n (	20n49 20 49	0n35 0 35	5 s25 5 24	0n42 0 42		1 s39 1 39	9n 1 12s 2	-	18n41 18 41		17n18 17 19	6s 7
T 3	5 24		2 34	7 19	1 59	6 11	1 22	7 20		20 22	1 (	20 49	0 35	5 23	0 42	18 9	1 39	9 1 12	18 28	18 42	8 49	17 19	6 6
W 4	5 47	20 26 1	28	6 58	2 5	5 44	1 23	7 14	2 25	20 22	1 (	20 49	0 35	5 22	0 42	18 9	1 39	9 2 12 2	18 28	18 43	8 51	17 20	6 6
T 5	6 10	19 3 0	20	6 35	2 10	5 16	1 24	7 8	2 24	20 21	1 (	20 49	0 35	5 21	0 42		1 39		18 28	_		17 20	6 5
F 6			)s48	6 12	2 15	4 48	1 25	7 1		20 21	1 (		0 35	5 20			1 39	9 3 12	18 28	_		17 21	6 5
S 7	6 55	13 38 1	52	5 46	2 20	4 20	1 27	6 55	2 21	20 20	1 (	20 48	0 35	5 19	0 42	18 11	1 39	9 3 12	18 28	18 45	8 58	17 21	6 5
S 8	7 17	10 0 2	2 49	5 20	2 24	3 52	1 28	6 48	2 19	20 19	1 (	20 48	0 35	5 18	0 42	18 11	1 39	9 3 12	18 30	18 46	9 0	17 21	6 4
M 9	7 40	5 59 3	3 3 8	4 52	2 27	3 24	1 29	6 41	2 17	20 19	1 (	20 48	0 35	5 17	0 42	18 12	1 38	9 4 12	18 31	18 47	9 2	17 22	6 4
T 10	8 2		17	4 22	2 30	2 55	1 29	6 35		20 18		20 48	0 35	5 16		-	1 38	9 4 12		18 48		17 22	6 3
W11	8 24		1 44	3 52	2 32	2 27	1 30	6 28		20 17		20 48	0 35	5 15		-	1 38		18 37			17 23	6 3
T 12	8 46		1 58	3 20	2 34	1 58	1 31	6 21		20 17	1 (		0 35	5 14			1 38	, , , , , ,		18 49		17 23	6 3
F 13			1 59	2 47	2 36	1 30	1 32	6 15		20 16	1 (		0 35	5 13			1 38		18 44			17 24	6 2
S 14	9 29	13 54 4	47	2 12	2 36	1 1	1 32	6 8	2 7	20 15	1 (	20 47	0 35	5 12	0 42	18 14	1 38	9 6 12	18 47	18 51	9 13	17 24	6 2
S 15	9 51	16 49 4	1 23	1 37	2 37	0 32	1 33	6 1	2 5	20 15	1 (	20 47	0 35	5 11	0 42	18 14	1 38	9 6 12	18 50	18 52		17 25	6 1
M16		19 2 3		1 0	2 36	0 4	1 33	5 55	2 3	20 14	1 (		0 35	5 10			1 38	9 6 11 5				17 25	6 1
T 17	10 33			0 22	2 36	0n25	1 34	5 48	2 1	20 13	1 (		0 35	5 9			1 38	9 7 11 5				17 25	6 1
W18		20 55 2	-	0n16	2 34	0 54	1 34	5 42		20 12	1 (		0 35				1 38	9 7 11 59			9 21		6 0
	11 15			0 56	2 32	1 23	1 34	5 36		20 11	1 1		0 35	5 7			1 38	9 8 11 59				17 26	6 0
F 20 S 21	11 36		)n 4	1 37	2 30	1 52	1 34	5 30			1 1		0 35	5 6			1 38	9 8 11 59				17 27	6 0
	11 56	16 7 1	14	2 19	2 27	2 21	1 34	5 24	1 52	20 9	1 1	20 44	0 35	5 5	0 42	18 17	1 38	9 8 11 5	18 54	18 56	9 28	17 27	5 59
S 22	-		2 21	3 1	2 24	2 49	1 34	5 18		20 8	1 1		0 35				1 38	9 9 11 5				17 27	5 59
M23	12 36	8 5 3		3 45	2 20	3 18	1 34	5 12			1 1		0 35				1 38	9 9 11 5				17 28	5 59
T 24	12 56		1 12	4 29	2 15	3 47	1 34	5 7		20 6	1 1		0 35	5 3			1 38		18 58			17 28	5 58
W25	13 16	2s19 4		5 15	2 10	4 15	1 34	5 1	1 41	20 5	1 1		0 35	5 2			1 38	9 10 11 5		18 59		17 29	5 58
T 26	13 35	7 36 5	-	6 1	2 5	4 44	1 34	4 56	1 39		1 1		0 35	5 1			1 38	9 10 11 5		19 0		17 29	5 58
F 27 S 28		12 26 4 16 26 4	1 53	6 47 7 35	1 59 1 53	5 12 5 41	1 33 1 33	4 51		-	1 1		0 36 0 36	5 0 4 59			1 38 1 38	9 11 11 5' 9 11 11 5'		19 1 19 2	-	17 29 17 30	5 57 5 57
	14 13	10 20 4	+ 23	1 33	1 33	5 41	1 33	4 46	1 34	20 2	1 1	20 41	0 30	4 39	0 41	16 20	1 38			19 2			5 5/
S 29	_		3 3 9	8 22	1 46	6 9	1 33	4 42	1 31			20 40				-	1 38	9 11 11 5		19 2		17 30	5 57
M30	14n50	20s46 2	2n40	9n11	1 s38	6n37	1 s32	4 s38	1n28	20s 0	1n 1	20n39	0n36	4 s 5 7	0n41	18n21	1 s38	9n12 11s5	7 19n10	19n 3	9n47	17n30	5 s 5 6

 $\label{eq:Julian Day Number = 2410728.5, Delta\ T = -3.96\ sec} \\ Ecliptic\ obliquity = 23°27'09, Nutation = -0°00'15, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 23°10'47, Lahiri = 22°17'47 \\$ 

MAY 1888 00:00 UT

Day	Sid.t	0	D	ğ	P	ď	4	ħ	)ұ(	¥	Р	n	v	Ç	Š,	Day
T 1	14 37 24	118 1'24	16 <b>궁</b> 24	29 <b>Y</b> 47	21 <b>Y</b> 48	14°R55	4°R 3	0Ω26	14°R 8	29 <b>8</b> 3	3 <b>Ⅱ</b> 57	4°R21	4 <b>Ω</b> 51	9 <b>8</b> 36	28 <b>Ⅱ</b> 47	T 1
W 2	14 41 21	11°59'33	29°57	1846	23° 1	14 <b>≏</b> 39	3 <b>∡</b> 157	0°30	14 <b>º</b> 6	29° 5	3°58	4°D20	4°47	9°42	28°51	W 2
T 3	14 45 17	12°57'41	13≈ 4	3°47	24°15	14°23	3°50	0°33	14° 4	29° 7	3°59	4°R20	4°44	9°49	28°56	T 3
F 4	14 49 14	13°55'47	25°48	5°49	25°28	14° 9	3°43	0°37	14° 2	29° 9	4° 1	4Ω19	4°41	9°56	29° 1	F 4
S 5	14 53 10	14°53'52	8 <b>)</b> 15	7°53	26°42	13°55	3°37	0°40	14° 0	29°11	4° 2	4°17	4°38	10° 3	29° 5	S 5
S 6	14 57 7	15°51'55	20°27	9°58	27°55	13°41	3°30	0°44	13°57	29°14	4° 3	4°13	4°35	10° 9	29°10	S 6
M 7	15 1 4	16°49'57	2 <b>Υ</b> 30	12° 4	29° 9	13°29	3°23	0°48	13°55	29°16	4° 4	4° 6	4°31	10°16	29°15	M 7
T 8	15 5 0	17°47'58	14°27	14°12	0 <b>8</b> 22	13°17	3°16	0°51	13°53	29°18	4° 6	3°56	4°28	10°23	29°20	T 8
W 9	15 8 57	18°45'57	26°20	16°21	1°36	13° 6	3° 9	0°55	13°51	29°20	4° 7	3°44	4°25	10°30	29°24	W 9
T 10	15 12 53	19°43'54	8 <b>8</b> 12	18°31	2°49	12°56	3° 1	0°59	13°49	29°22	4° 8	3°31	4°22	10°36	29°29	T 10
F 11	15 16 50	20°41'50	20° 4	20°41	4° 2	12°46	2°54	1° 3	13°48	29°25	4°10	3°18	4°19	10°43	29°34	F 11
S 12	15 20 46	21°39'45	1∏58	22°52	5°16	12°38	2°47	1° 8	13°46	29°27	4°11	3° 5	4°16	10°50	29°39	S 12
S 13	15 24 43	22°37'38	13°54	25° 3	6°29	12°30	2°39	1°12	13°44	29°29	4°12	2°55	4°12	10°56	29°44	S 13
M14	15 28 39	23°35'30	25°56	27°14	7°43	12°23	2°32	1°16	13°42	29°31	4°14	2°47	4° 9	11° 3	29°49	M14
T 15	15 32 36	24°33'20	8 <b>9</b> 5	29°25	8°56	12°17	2°25	1°21	13°40	29°34	4°15	2°42	4° 6	11°10	29°55	T 15
W16	15 36 33	25°31'08	20°23	1 <b>II</b> 35	10°10	12°11	2°17	1°25	13°39	29°36	4°16	2°39	4° 3	11°17	29°59	W16
T 17	15 40 29	26°28'55	2 <b>Ω</b> 55	3°44	11°23	12° 7	2° 9	1°30	13°37	29°38	4°18	2°D38	4° 0	11°23	0ණ 5	T 17
F 18	15 44 26	27°26'40	15°43	5°52	12°37	12° 3	2° 2	1°34	13°35	29°40	4°19	2°39	3°56	11°30	0°10	F 18
S 19	15 48 22	28°24'23	28°53	7°58	13°50	12° 0	1°54	1°39	13°34	29°43	4°21	2°R39	3°53	11°37	0°15	S 19
S 20	15 52 19	29°22'05	12 <b>m</b> 26	10° 3	15° 4	11°58	1°47	1°44	13°32	29°45	4°22	2°38	3°50	11°43	0°21	S 20
M21	15 56 15	0 <b>Ⅱ</b> 19'45	26°26	12° 6	16°17	11°57	1°39	1°49	13°31	29°47	4°23	2°36	3°47	11°50	0°26	M21
T 22	16 0 12	1°17'23	10 <b>≏</b> 53	14° 7	17°30	11°D56	1°31	1°54	13°29	29°49	4°25	2°31	3°44	11°57	0°31	T 22
W23	16 4 8	2°15'00	25°42	16° 5	18°44	11°56	1°24	1°59	13°28	29°52	4°26	2°24	3°41	12° 4	0°37	W23
T 24	16 8 5	3°12'36	10 <b>M</b> 49	18° 1	19°57	11°57	1°16	2° 4	13°26	29°54	4°27	2°15	3°37	12°10	0°42	T 24
F 25	16 12 2	4°10'10	26° 3	19°55	21°11	11°59	1° 8	2° 9	13°25	29°56	4°29	2° 7	3°34	12°17	0°48	F 25
S 26	16 15 58	5° 7'43	11 <b>×</b> 14	21°46	22°24	12° 2	1° 1	2°15	13°24	29°58	4°30	1°59	3°31	12°24	0°53	S 26
S 27	16 19 55	6° 5'16	2 <u>6</u> °12	23°34	23°38	12° 5	0°53	2°20	13°22	0耳 1	4°31	1°53	3°28	12°31	0°59	S 27
M28	16 23 51	7° 2'47	10 <b>පි</b> 48	25°20	24°51	12° 9	0°46	2°25	13°21	0° 3	4°33	1°49	3°25	12°37	1° 4	M28
T 29	16 27 48	8° 0'17	24°57	27° 2	26° 5	12°14	0°38	2°31	13°20	0° 5	4°34	1°47	3°22	12°44	1°10	T 29
W30	16 31 44	8°57'46	8≈37	28°42	27°18	12°19	0°31	2°36	13°19	0° 7	4°36	1°D47	3°18	12°51	1°16	W30
T 31	16 35 41	9 <b>Ⅱ</b> 55'14	21≈51	0919	28 <b>8</b> 32	12 <b>≏</b> 25	0 <b>∡</b> 23	2 <b>Ω</b> 42	13 <b>≏</b> 18	0耳 9	4 <b>Ⅱ</b> 37	1 <b>Ω</b> 48	3 <b>Ω</b> 15	12 <b>8</b> 57	19521	T 31

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T 1 W 2 T 3	15n 9 15 27 15 44	19 48 0 2	3 10n 0 3 10 49 6 11 38	1 22	7 33	1 s31 1 31 1 30	4 s34 4 30 4 26	1 23	19 s 5 9 19 5 7 19 5 6	1n 1 1 1 1 1	20 38	0n36 0 36 0 36	4 s 5 7 4 5 6 4 5 5		18n22 18 22 18 23	1 s38 1 38 1 38	9n12 11 s57 9 12 11 57 9 13 11 57	19 11	19 5	9 52	17n31 17 31 17 31	5 s 5 6 5 5 6
F 4 S 5	16 2 16 19	11 6 2 4	9 13 17	0 55	8 55	1 29 1 28	4 23 4 20		19 54	1 1 1	20 36	0 36 0 36	4 54 4 53	0 41	18 23 18 24	1 38 1 38	9 13 11 57 9 13 11 56	19 12	19 7	9 58	17 32 17 32	5 55 5 55
S 6 M 7 T 8 W 9 T 10 F 11	16 36 16 52 17 9 17 25 17 41 17 56	2 56 4 1 1n20 4 4 5 32 4 5 9 31 5	7 14 54 4 15 43 8 16 30 0 17 17	0 35 0 25 0 15 0 4	9 50	1 28 1 27 1 26 1 24 1 23 1 22	4 18 4 15 4 13 4 11 4 10 4 8	1 10 1 7 1 4 1 2	19 52 19 51 19 50 19 49 19 47 19 46	1 1 1 1 0 1 0 1 0 1 0 1 0 1 0	20 34 20 34 20 33 20 32	0 36 0 36 0 36 0 36 0 36 0 36	4 53 4 52 4 51 4 50 4 50 4 49	0 41 0 41 0 41 0 41	18 24 18 25 18 25 18 26 18 26 18 27	1 38 1 38 1 38 1 38 1 38 1 38	9 14 11 56 9 14 11 56 9 14 11 56 9 15 11 56 9 15 11 56 9 15 11 56	19 15 19 17 19 20 19 23	19 8 19 9 19 10 19 11	10 2 10 5 10 7 10 9		5 55 5 55 5 54 5 54 5 54 5 54
S 12 S 13 M14 T 15 W16 T 17 F 18 S 19	18 11 18 26 18 41 18 55 19 9 19 23 19 36 19 49	18 42 3 4 20 22 3 21 6 2 20 50 1 19 33 0n 17 14 1	5 21 26	0 27 0 38 0 48 0 57 1 7 1 16	12 26 12 51 13 16 13 41 14 5 14 29	1 21 1 20 1 18 1 17 1 15 1 14 1 12 1 11	4 7 4 7 4 6 4 6 4 7 4 7 4 8 4 9	0 57 0 54 0 51 0 49 0 46 0 44 0 41 0 39	19 45 19 43 19 42 19 40 19 39 19 38 19 36 19 35	1 0 1 0 1 0 1 0 1 0 1 0 1 0	20 29 20 28 20 27 20 26 20 25 20 24	0 36 0 36 0 36 0 36 0 36 0 36 0 36	4 48 4 47 4 47 4 46 4 45 4 45 4 44 4 44	0 41 0 41 0 41 0 41 0 41 0 41	18 27 18 28 18 28 18 29 18 29 18 30 18 30 18 31	1 38 1 38 1 38 1 38 1 38 1 38 1 38	9 16 11 56 9 16 11 56 9 16 11 56 9 17 11 55 9 17 11 55 9 17 11 55 9 17 11 55 9 18 11 55	19 31 19 33 19 34 19 35 19 35 19 35	19 13 19 14 19 15 19 15 19 16 19 17	10 15 10 17 10 20 10 22 10 24 10 26	17 34 17 34 17 34 17 35 17 35 17 35	5 53 5 53 5 53 5 53 5 53 5 52 5 52 5 52
S 20 M21 T 22 W23 T 24 F 25 S 26		9 54 3 1 5 11 4 0 2 4 4 5 s 15 5 10 18 5 14 46 4 3	5 23 29 5 23 53 3 24 15 2 24 34 1 24 51	1 32 1 39 1 46 1 51 1 57 2 1	15 16 15 39 16 1 16 23 16 45 17 6	1 9 1 7 1 5 1 4 1 2 1 0 0 58	4 10 4 12 4 14 4 16 4 19 4 22 4 25	0 36 0 34 0 32 0 29 0 27 0 25	19 33 19 32 19 30 19 29 19 28	1 0 1 0 0 59 0 59 0 59 0 59	20 22	0 36 0 36 0 36 0 36 0 36 0 36 0 36	4 43 4 43 4 42 4 41 4 41 4 40 4 40	0 41 0 41 0 41 0 41 0 41 0 41	18 31 18 32 18 32 18 33 18 33 18 33	1 38 1 38 1 38 1 38 1 38 1 38 1 38	9 18 11 55 9 18 11 55 9 19 11 55 9 19 11 55	19 35 19 35 19 37 19 38 19 40 19 42	19 18 19 19 19 20 19 20 19 21 19 22	10 30 10 32 10 35 10 37 10 39 10 41	17 35 17 35 17 36 17 36 17 36 17 36	5 52 5 52 5 51 5 51 5 51 5 51 5 51
T 29 W30	21 30 21 39 21 48	21 11 1 5 20 33 0 3 18 42 0s3	25 25 0 25 31 7 25 36 7 25 38 6 25n38	2 9 2 11 2 11	18 7 18 27 18 45	0 56 0 54 0 52 0 50 0 s48	4 28 4 32 4 35 4 40 4 s44	0 18 0 16 0 14	19 23 19 22 19 20 19 19 19s17	0 59 0 59 0 59	20 15 20 13 20 12 20 11 20n10	0 36 0 36 0 37 0 37 0n37	4 40 4 39 4 39 4 38 4 s38	0 41 0 40 0 40		1 38 1 38 1 38 1 38 1 s38	9 20 11 55 9 20 11 55 9 20 11 55 9 21 11 55 9n21 11s55	19 46 19 46 19 46	19 24 19 25 19 26	10 47 10 50 10 52	17 36 17 36 17 36	5 51 5 51 5 51 5 50 5 s50

Julian Day Number = 2410758.5, Delta T = -3.95 sec Ecliptic obliquity =  $23^{\circ}27'08$ , Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}10'51$ , Lahiri =  $22^{\circ}17'51$ 

JUNE 1888 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	卉	Р	រា	Ω	Ç	ķ	Day
F 1	16 39 37	10∏52'42	4 <b>) (</b> 39	1953	29845	12 <b></b> 232	0°R16	2 <b>Ω</b> 48	13°R17	0 <b>П</b> 12	4 <b>Ⅲ</b> 38	1 <b>Ω</b> 49	3 <b>Ω</b> 12	138 4	19927	F 1
S 2	16 43 34	11°50'09	17° 8	3°25	0Д59	12°40	0 <b>∡</b> 8	2°53	13 <b>≏</b> 16	0°14	4°40	1°R49	3° 9	13°11	1°33	S 2
S 3	16 47 31	12°47'35	29°20	4°53	2°12	12°48	0° 1	2°59	13°15	0°16	4°41	1°47	3° 6	13°18	1°38	S 3
M 4	16 51 27	13°45'01	11 <b>Y</b> 22	6°18	3°26	12°57	29 <b>M</b> .54	3° 5	13°14	0°18	4°42	1°44	3° 2	13°24	1°44	M 4
T 5	16 55 24	14°42'26	23°17	7°40	4°39	13° 6	29°47	3°11	13°13	0°20	4°44	1°38	2°59	13°31	1°50	T 5
W 6	16 59 20	15°39'50	5 <b>8</b> 8	9° 0	5°53	13°16	29°39	3°17	13°13	0°23	4°45	1°31	2°56	13°38	1°55	W 6
T 7	17 3 17	16°37'13	17° 0	10°16	7° 6	13°27	29°32	3°23	13°12	0°25	4°46	1°23	2°53	13°44	2° 1	T 7
F 8	17 7 13	17°34'36	28°54	11°29	8°20	13°39	29°25	3°29	13°11	0°27	4°48	1°15	2°50	13°51	2° 7	F 8
S 9	17 11 10	18°31'59	10∏52	12°38	9°33	13°51	29°19	3°35	13°11	0°29	4°49	1° 7	2°47	13°58	2°13	S 9
S 10	17 15 6	19°29'20	22°57	13°45	10°47	14° 3	29°12	3°42	13°10	0°31	4°50	1° 1	2°43	14° 5	2°19	S 10
M11	17 19 3	20°26'41	5 <b>9</b> 9	14°48	12° 0	14°17	29° 5	3°48	13°10	0°33	4°52	0°56	2°40	14°11	2°25	M11
T 12	17 23 0	21°24'01	17°29	15°48	13°14	14°30	28°58	3°54	13° 9	0°36	4°53	0°53	2°37	14°18	2°31	T 12
W13	17 26 56	22°21'21	0 <b>Ω</b> 1	16°44	14°27	14°45	28°52	4° 1	13° 9	0°38	4°54	0°D52	2°34	14°25	2°36	W13
T 14	17 30 53	23°18'39	12°44	17°36	15°41	15° 0	28°45	4° 7	13° 8	0°40	4°56	0°53	2°31	14°32	2°42	T 14
F 15	17 34 49	24°15'57	25°43	18°25	16°55	15°15	28°39	4°14	13° 8	0°42	4°57	0°54	2°28	14°38	2°48	F 15
S 16	17 38 46	25°13'14	8 <b>m</b> 58	19°10	18° 8	15°31	28°33	4°20	13° 8	0°44	4°58	0°56	2°24	14°45	2°54	S 16
S 17	17 42 42	26°10'29	22°32	19°52	19°22	15°48	28°27	4°27	13° 8	0°46	4°59	0°R57	2°21	14°52	3° 0	S 17
M18	17 46 39	27° 7'45	6 <b>₽</b> 26	20°29	20°35	16° 5	28°21	4°33	13° 7	0°48	5° 1	0°56	2°18	14°58	3° 6	M18
T 19	17 50 35	28° 4'59	20°40	21° 2	21°49	16°23	28°15	4°40	13° 7	0°50	5° 2	0°55	2°15	15° 5	3°12	T 19
W20	17 54 32	29° 2'13	5 <b>M</b> 12	21°31	23° 3	16°41	28° 9	4°47	13°D 7	0°52	5° 3	0°52	2°12	15°12	3°18	W20
T 21	17 58 29	29°59'26	19°59	21°56	24°16	17° 0	28° 4	4°54	13° 7	0°54	5° 5	0°48	2° 8	15°19	3°24	T 21
F 22	18 2 25	0956'38	4 <b>₹</b> 52	22°16	25°30	17°19	27°58	5° 0	13° 7	0°56	5° 6	0°44	2° 5	15°25	3°30	F 22
S 23	18 6 22	1°53'50	19°45	22°32	26°43	17°38	27°53	5° 7	13° 7	0°58	5° 7	0°40	2° 2	15°32	3°36	S 23
S 24	18 10 18	2°51'02	4 <b>る</b> 29	22°43	27°57	17°58	27°48	5°14	13° 8	1° 0	5° 8	0°37	1°59	15°39	3°42	S 24
M25	18 14 15	3°48'13	18°57	22°50	29°11	18°19	27°43	5°21	13° 8	1° 2	5°10	0°35	1°56	15°45	3°48	M25
T 26	18 18 11	4°45'25	3≈ 4	22°R52	09524	18°40	27°38	5°28	13° 8	1° 4	5°11	0°D35	1°53	15°52	3°54	T 26
W27	18 22 8	5°42'36	16°45	22°49	1°38	19° 1	27°33	5°35	13° 8	1° 6	5°12	0°36	1°49	15°59	4° 0	W27
T 28	18 26 5	6°39'47	0 <b>∀</b> 2	22°42	2°52	19°23	27°29	5°42	13° 9	1°8	5°13	0°37	1°46	16° 6	4° 6	T 28
F 29	18 30 1	7°36'58	12°55	22°31	4° 5	19°45	27°25	5°49	13° 9	1°10	5°14	0°38	1°43	16°12	4°12	F 29
S 30	18 33 58	8934'09	25 <b>)</b> 27	229915	5919	20 <u>₽</u> 8	27 <b>M</b> 20	5 <b>Ω</b> 57	13 <b>≏</b> 10	1 <b>Ⅱ</b> 12	5 <b>Ⅱ</b> 15	0 <b>Ω</b> 40	1 <b>Ω</b> 40	16 <b>8</b> 19	49518	S 30

Day	0	Ž	)	ţ	5	ç	)	С	7	2	ļ.	ŧ	ì	)	ţ(	<del>,</del>		Р	v	v	ţ	Ł	<b>C</b>
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	dec	decl	decl	decl	lat
F 1 S 2	22n 5 22 13	-		25n36 25 32	2n10 2 8		0 s46 0 44	4 s48 4 53		19s16 19 15	0n58 0 58		0n37 0 37	4 s 3 8 4 3 7	0n40 0 40		1 s38 1 38	9n21 11 9 21 11				17n37 17 37	5 s 5 0 5 5 0
S 3 M 4 T 5	22 21 22 28 22 34		4 49	25 27 25 19 25 11	2 5 2 1 1 57	20 13	0 41 0 39 0 37	4 58 5 4 5 9	0 5 0 4 0 2	19 13 19 12 19 10	0 58 0 58 0 58	20 4	0 37 0 37 0 37	4 37 4 37 4 36	0 40	18 38	1 38 1 38 1 38	9 22 11 9 22 11 9 22 11	55 19 4	7 19 29	11 2	17 37 17 37 17 37	5 50 5 50 5 50
W 6 T 7 F 8 S 9	22 41 22 47 22 52 22 57		4 56 4 33	25 1 24 49 24 37 24 23	1 52 1 46 1 40 1 33	20 59	0 35 0 32 0 30 0 28	5 15 5 21 5 27 5 33	0s 0 0 2 0 4 0 6	19 8 19 6	0 57 0 57 0 57 0 57	20 2 20 0 19 59 19 58	0 37 0 37 0 37 0 37	4 36 4 36 4 36 4 35	0 40 0 40		1 38 1 38 1 38 1 38	9 22 11 9 23 11 9 23 11 9 23 11	55 19 5	2 19 32 3 19 32	11 9 11 11	17 36	5 50 5 50 5 50 5 50
S 10 M11 T 12 W13 T 14 F 15	23 14 23 17 23 20	21 6 21 7 20 5 18 1 15 1	3 11 2 15 1 12 0 5 1n 4 2 11	24 9 23 53 23 37 23 20 23 3 22 45	1 25 1 16 1 7 0 57 0 46 0 35	21 39 21 52 22 3 22 15 22 25 22 35	0 25 0 23 0 21 0 18 0 16 0 14	5 40 5 47 5 54 6 1 6 8 6 16	0 13 0 15 0 16	19 3 19 1 19 0 18 59 18 58	0 56 0 56 0 56 0 56	19 56 19 55 19 53 19 52 19 50 19 49	0 37 0 37 0 37 0 37 0 37 0 37	4 35 4 35 4 35 4 35 4 35 4 35	0 40 0 40 0 40 0 40 0 40	18 41 18 42 18 42 18 42 18 43	1 38 1 38 1 38 1 38 1 38 1 38	9 23 11 9 23 11 9 24 11 9 24 11 9 24 11 9 24 11	55 19 5 55 19 5 55 19 5 55 19 5 55 19 5 55 19 5	7 19 34 3 19 34 3 19 35 3 19 36 3 19 37	11 15 11 17 11 19 11 21 11 23 11 26	17 36 17 36 17 36 17 36 17 36 17 36	5 50 5 50 5 50 5 49 5 49 5 49
S 16 S 17 M18 T 19 W20 T 21 F 22 S 23	23 24 23 25 23 26 23 27 23 27 23 27	1 48 3 s20 8 22	4 5 4 44 5 7 5 11 4 55 4 19	22 27 22 9 21 50 21 32 21 13 20 55 20 37 20 19	0 10 0s 3 0 17 0 31 0 46 1 1	23 8	0 11 0 9 0 6 0 4 0 2 0n 1 0 3 0 6	6 24 6 31 6 40 6 48 6 56 7 5 7 13 7 22	0 20 0 21 0 23 0 24 0 26 0 27	18 54 18 53 18 52 18 51	0 55	19 46 19 44 19 43	0 37 0 37 0 37 0 37 0 37 0 37 0 38 0 38	4 35 4 34 4 34 4 35 4 35 4 35 4 35	0 40 0 40 0 40 0 40 0 40 0 40	18 44 18 44 18 45 18 45 18 46	1 38 1 38 1 38 1 38 1 38 1 38 1 38	9 24 11 9 25 11	55 19 5 55 19 5 55 19 5 55 19 5 55 19 5 55 20	3 19 39 3 19 39 3 19 40 9 19 41	11 30 11 32 11 34 11 36 11 38 11 40	17 36 17 36 17 35 17 35 17 35 17 35	5 49 5 49 5 49 5 50 5 50 5 50 5 50 5 50
S 24 M25 T 26 W27 T 28 F 29 S 30	23 24	13 53 9 59	1 3 0s14 1 28 2 35 3 32	19 45 19 29 19 13	1 48 2 4 2 20 2 36 2 51	23 40 23 42 23 43	0 8 0 10 0 13 0 15 0 17 0 20 0n22	7 31 7 40 7 50 7 59 8 9 8 18 8 s28	0 32 0 33 0 35 0 36 0 37	18 46 18 45 18 45	0 54 0 54 0 53 0 53 0 53	19 31 19 30 19 28	0 38 0 38 0 38 0 38 0 38 0 38 0 n38	4 35 4 35 4 35 4 35 4 36 4 36	0 39 0 39 0 39 0 39 0 39	18 47 18 48 18 48	1 38 1 38 1 38 1 38 1 38 1 38 1 s38	9 26 11	56 20 56 20 56 20 56 20 56 20 56 20	2 19 44 2 19 44 2 19 45 2 19 46 2 19 47 1 19 47 1 19n48	11 47 11 49 11 51 11 53 11 55	17 34 17 34 17 34 17 33 17 33	5 50 5 50 5 50 5 50 5 50

Julian Day Number = 2410789.5, Delta T = -3.94 sec Ecliptic obliquity =  $23^{\circ}27'08$ , Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}10'55$ , Lahiri =  $22^{\circ}17'56$ 

JULY 1888 00:00 UT

Day	Sid.t		7	×	0	71	١.	+	W	),(	D	0	0	•	K	Day
		0	D	ğ	φ	♂	4	ħ	)∤(	Ħ,	В	₽.	U	Ç	, k	
S 1	18 37 54	9 <b>©</b> 31'21	7 <b>Ƴ</b> 43	21°R55	6933	20 <b>≏</b> 31	27°R16	6 <b>Ω</b> 4	13 <b>≏</b> 10	1 <b>I</b> I14	5 <b>Ⅱ</b> 17	0°R40	1 <b>Ω</b> 37	16826	49524	S 1
M 2	18 41 51	10°28'33	19°46	219931	7°46	20°54	27 <b>M</b> 12	6°11	13°11	1°16	5°18	$0\Omega 40$	1°34	16°32	4°30	M 2
T 3	18 45 47	11°25'44	1842	21° 4	9° 0	21°18	27° 9	6°18	13°12	1°17	5°19	0°39	1°30	16°39	4°36	T 3
W 4	18 49 44	12°22'57	13°34	20°33	10°14	21°42	27° 5	6°25	13°12	1°19	5°20	0°37	1°27	16°46	4°42	W 4
T 5	18 53 40	13°20'09	25°27	20° 0	11°27	22° 7	27° 2	6°33	13°13	1°21	5°21	0°34	1°24	16°53	4°48	T 5
F 6	18 57 37	14°17'22	7∏24	19°24	12°41	22°31	26°58	6°40	13°14	1°23	5°22	0°32	1°21	16°59	4°54	F 6
S 7	19 1 34	15°14'35	19°29	18°47	13°55	22°57	26°55	6°47	13°15	1°24	5°23	0°30	1°18	17° 6	5° 0	S 7
S 8	19 5 30	16°11'48	19542	18° 9	15° 9	23°22	26°52	6°55	13°16	1°26	5°24	0°28	1°14	17°13	5° 6	S 8
M 9	19 9 27	17° 9'02	14° 7	17°31	16°23	23°48	26°50	7° 2	13°16	1°28	5°26	0°26	1°11	17°20	5°11	M 9
T 10	19 13 23	18° 6'16	26°44	16°53	17°36	24°15	26°47	7°10	13°17	1°30	5°27	0°D26	1° 8	17°26	5°17	T 10
W11	19 17 20	19° 3'30	9 <b>Ω</b> 35	16°16	18°50	24°41	26°45	7°17	13°19	1°31	5°28	0°26	1° 5	17°33	5°23	W11
T 12	19 21 16	20° 0'44	22°38	15°40	20° 4	25° 8	26°42	7°25	13°20	1°33	5°29	0°27	1° 2	17°40	5°29	T 12
F 13	19 25 13	20°57'58	5 <b>m</b> 56	15° 7	21°18	25°36	26°40	7°32	13°21	1°35	5°30	0°27	0°59	17°46	5°35	F 13
S 14	19 29 9	21°55'13	19°27	14°36	22°32	26° 3	26°39	7°40	13°22	1°36	5°31	0°28	0°55	17°53	5°41	S 14
S 15	19 33 6	22°52'27	3 <b>₽</b> 11	14° 9	23°46	26°31	26°37	7°47	13°23	1°38	5°32	0°29	0°52	18° 0	5°47	S 15
M16	19 37 3	23°49'42	17° 8	13°46	24°59	27° 0	26°35	7°55	13°25	1°39	5°33	0°29	0°49	18° 7	5°53	M16
T 17	19 40 59	24°46'56	1 <b>M</b> .17	13°27	26°13	27°28	26°34	8° 2	13°26	1°41	5°34	0°R29	0°46	18°13	5°58	T 17
W18	19 44 56	25°44'11	15°36	13°13	27°27	27°57	26°33	8°10	13°27	1°42	5°35	0°29	0°43	18°20	6° 4	W18
T 19	19 48 52	26°41'26	0 <b>√</b> 1	13° 4	28°41	28°26	26°32	8°17	13°29	1°44	5°35	0°29	0°40	18°27	6°10	T 19
F 20	19 52 49	27°38'42	14°29	13°D 0	29°55	28°56	26°31	8°25	13°30	1°45	5°36	0°28	0°36	18°33	6°16	F 20
S 21	19 56 45	28°35'58	28°56	13° 2	1 <b>N</b> 9	29°25	26°31	8°33	13°32	1°47	5°37	0°28	0°33	18°40	6°21	S 21
S 22	20 0 42	29°33'14	13 <b>ට</b> 16	13°10	2°23	29°55	26°30	8°40	13°34	1°48	5°38	0°28	0°30	18°47	6°27	S 22
M23	20 4 38	$0\Omega 30'31$	27°23	13°23	3°37	0ML26	26°30	8°48	13°35	1°49	5°39	0°28	0°27	18°54	6°33	M23
T 24	20 8 35	1°27'48	11≈15	13°43	4°51	0°56	26°D30	8°56	13°37	1°51	5°40	0°28	0°24	19° 0	6°39	T 24
W25	20 12 32	2°25'06	24°48	14° 8	6° 5	1°27	26°30	9° 3	13°39	1°52	5°41	0°28	0°20	19° 7	6°44	W25
T 26	20 16 28	3°22'25	8 <b>)</b> 1	14°40	7°18	1°58	26°31	9°11	13°40	1°53	5°42	0°28	0°17	19°14	6°50	T 26
F 27	20 20 25	4°19'45	20°53	15°17	8°32	2°29	26°31	9°19	13°42	1°55	5°42	0°27	0°14	19°20	6°55	F 27
S 28	20 24 21	5°17'05	3 <b>Y</b> 26	16° 0	9°46	3° 1	26°32	9°27	13°44	1°56	5°43	0°27	0°11	19°27	7° 1	S 28
S 29	20 28 18	6°14'27	15°44	16°50	11° 0	3°32	26°33	9°34	13°46	1°57	5°44	0°26	0° 8	19°34	7° 6	S 29
M30	20 32 14	7°11'50	27°48	17°45	12°14	4° 4	26°34	9°42	13°48	1°58	5°45	0°26	0° 5	19°41	7°12	M30
T 31	20 36 11	8 <b>N</b> 9'14	9 <b>8</b> 45	189546	13 <b>N</b> 28	4 <b>M</b> J37	26M35	9 <b>Ω</b> 50	13 <b>≏</b> 50	1Д59	5 <b>Ⅱ</b> 45	0°D26	0 <b>Ω</b> 1	19 <b>8</b> 47	7 <b>9</b> 317	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 d	ecl decl	decl lat
S 1 M 2 T 3	23n 7 23 2 22 58		18n21 3s2 18 11 3 3 18 2 3 4	36 <mark>23 40</mark> 0 27	8 s38 0 s40 8 48 0 41 8 58 0 42	18 s42 0n53 18 42 0 52 18 41 0 52	19 21 0 38	4 s36 0n39 4 36 0 39 4 37 0 39	18 49 1 38	9n26 11 s56 9 26 11 56 9 26 11 56	20 1 19		17n33 5s50 17 32 5 50 17 32 5 51
W 4 T 5 F 6	22 53 22 47	11 2 5 7 14 30 4 46	17 54 4 17 47 4 1	2 23 34 0 31 3 23 31 0 33	9 8 0 44 9 19 0 45	18 40 0 52 18 40 0 52		4 37 0 39 4 37 0 39 4 37 0 39 4 38 0 39	18 50 1 38 18 50 1 38	9 26 11 57 9 26 11 57 9 26 11 57 9 27 11 57	20 2 19 20 2 19	51 12 6	17 32 5 51 17 31 5 51
S 7						18 39 0 51		4 38 0 39		9 27 11 57		53 12 10	
S 8 M 9 T 10	22 21	21 14 1 29	17 35 4 4		0 1 0 50	18 38 0 51		4 39 0 39	18 51 1 38 18 52 1 38 18 52 1 38	9 27 11 57 9 27 11 57 9 27 11 57	20 4 19	54 12 14 54 12 16 55 12 18	17 30 5 51
F 13		15 52 2 0 12 12 3 4	17 40 4 5 17 44 4 5	33     22     53     0     46     14       34     22     44     0     48     14       33     22     35     0     50     14       31     22     25     0     52     14	0 33 0 53 0 44 0 54	18 37 0 50 18 37 0 50 18 37 0 50 18 37 0 50	19 3 0 39 19 1 0 39	4 40 0 39 4 41 0 39		9 27 11 57 9 27 11 58 9 27 11 58 9 27 11 58	20 4 19 20 4 19	56 12 20 56 12 22 57 12 24 58 12 26	17 29 5 52 17 28 5 52
S 15 M16 T 17 W18	21 31 21 21 21 11 21 1 20 50 20 39	3 3 4 42 1s59 5 8 6 58 5 17 11 38 5 6 15 40 4 36	17 56 4 4 18 4 4 4 18 12 4 3 18 22 4 2 18 32 4 1	17 22 14 0 54 1 12 22 3 0 55 1 15 21 51 0 57 1 27 21 39 0 59 1	1 6 0 56 1 18 0 57 1 29 0 58 1 40 0 59 1 51 1 0	18 37 0 49	18 58 0 39 18 56 0 39 18 54 0 39 18 52 0 39 18 50 0 39		18 53 1 39 18 54 1 39 18 54 1 39 18 54 1 39 18 54 1 39	9 27 11 58 9 27 11 58 9 27 11 58 9 27 11 58 9 27 11 59 9 27 11 59	20 4 19 20 3 19 20 3 20 20 4 20 20 4 20	58 12 28 59 12 31 0 12 33 1 12 35 1 12 37	17 27 5 52
S 22 M23 T 24 W25 T 26	19 51 19 38 19 25	21 14 1 34 20 25 0 17 18 22 0s59 15 19 2 11 11 34 3 13	19 5 3 4 19 17 3 3 19 28 3 1 19 40 3 19 51 2 4	14 20 42 1 5 1 13 20 26 1 7 1 17 20 10 1 8 1 3 19 53 1 10 1 18 19 36 1 11 1	2 26 1 3 2 37 1 4 2 49 1 5 3 0 1 5 3 12 1 6	18 37 0 48 18 37 0 47 18 37 0 47 18 37 0 47 18 38 0 47	18 42 0 39 18 40 0 39 18 38 0 40 18 36 0 40	4 46 0 38 4 47 0 38 4 47 0 38 4 48 0 38 4 49 0 38	18 56 1 39 18 56 1 39 18 56 1 39	9 27 12 0	20 4 20 20 4 20 20 4 20 20 4 20 20 4 20	3 12 43 4 12 45 5 12 47 5 12 49 6 12 51	17 23 5 55 17 22 5 55 17 22 5 55
F 27 S 28 S 29	19 11 18 57 18 43	2 57 4 42	20 2 2 3 20 12 2 1 20 22 2	8 19 0 1 14 1	3 35 1 8	18 38 0 46	18 32 0 40	4 49 0 38 4 50 0 38		9 27 12 0	20 4 20 20 4 20 20 4 20	7 12 55	17 21 5 55 17 21 5 56 17 20 5 56
M30 T 31	18 43 18 29 18n14	5 46 5 16	20 22 2 20 30 1 4 20n37 1 s3	17 18 21 1 16 1	3 59 1 10	18 39 0 46	18 30 0 40 18 28 0 40 18n26 0n40	4 52 0 38			20 4 20	9 12 59	17 20 5 56

Julian Day Number = 2410819.5, Delta T = -3.93 sec Ecliptic obliquity =  $23^{\circ}27'08$ , Nutation = - $0^{\circ}00'14$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}10'59$ , Lahiri =  $22^{\circ}18'00$ 

AUGUST 1888 00:00 UT

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Day	Sid.t	0	D	ğ	·	ð	4	ħ	)∤(	并	Р	N.	v	Ç	ķ	Day
W 1	20 40 7	9⋒ 6'39	21838	19952	14 <b>Ω</b> 42	5 <b>M</b> 9	26M36	9 <b>Ω</b> 57	13 <b>≏</b> 52	2 <b>I</b> 0	5 <b>Ⅱ</b> 46	0 <b>Ω</b> 26	29958	19854	79523	W 1
T 2	20 44 4	10° 4'05	3 <b>II</b> 32	21° 4	15°56	5°42	26°38	10° 5	13°54	2° 1	5°47	0°27	29°55	20° 1	7°28	T 2
F 3	20 48 1	11° 1'33	15°31	22°21	17°10	6°15	26°40	10°13	13°56	2° 3	5°47	0°27	29°52	20° 7	7°34	F 3
S 4	20 51 57	11°59'01	27°40	23°44	18°24	6°48	26°42	10°21	13°59	2° 4	5°48	0°29	29°49	20°14	7°39	S 4
S 5	20 55 54	12°56'31	1099 1	25°11	19°39	7°21	26°44	10°28	14° 1	2° 5	5°49	0°29	29°46	20°21	7°44	S 5
M 6	20 59 50	13°54'03	22°38	26°43	20°53	7°55	26°46	10°36	14° 3	2° 6	5°49	0°30	29°42	20°28	7°50	M 6
T 7	21 3 47	14°51'35	5 <b>Ω</b> 32	28°19	22° 7	8°29	26°49	10°44	14° 5	2° 6	5°50	0°R30	29°39	20°34	7°55	T 7
W 8	21 7 43	15°49'08	18°43	29°59	23°21	9° 3	26°52	10°51	14° 8	2° 7	5°50	0°30	29°36	20°41	8° 0	W 8
T 9	21 11 40	16°46'43	2 <b>m</b> 12	1 <b>Ω</b> 44	24°35	9°37	26°54	10°59	14°10	2° 8	5°51	0°28	29°33	20°48	8° 5	T 9
F 10	21 15 36	17°44'18	15°55	3°32	25°49	10°12	26°57	11° 7	14°13	2° 9	5°52	0°26	29°30	20°54	8°10	F 10
S 11	21 19 33	18°41'55	29°50	5°22	27° 3	10°46	27° 1	11°14	14°15	2°10	5°52	0°24	29°26	21° 1	8°15	S 11
S 12	21 23 30	19°39'32	13 <b>≏</b> 55	7°15	28°17	11°21	27° 4	11°22	14°18	2°11	5°53	0°21	29°23	21° 8	8°20	S 12
M13	21 27 26	20°37'11	28° 6	9°11	29°31	11°56	27° 8	11°30	14°20	2°11	5°53	0°19	29°20	21°15	8°25	M13
T 14	21 31 23	21°34'51	12 <b>M</b> 20	11° 8	0 <b>m</b> 45	12°32	27°11	11°37	14°23	2°12	5°54	0°18	29°17	21°21	8°30	T 14
W15	21 35 19	22°32'31	26°33	13° 7	2° 0	13° 7	27°15	11°45	14°26	2°13	5°54	0°D18	29°14	21°28	8°35	W15
T 16	21 39 16	23°30'13	10 <b>∡</b> 745	15° 7	3°14	13°43	27°19	11°53	14°28	2°14	5°54	0°19	29°11	21°35	8°40	T 16
F 17	21 43 12	24°27'55	24°51	17° 7	4°28	14°18	27°23	12° 0	14°31	2°14	5°55	0°20	29° 7	21°41	8°45	F 17
S 18	21 47 9	25°25'39	8 <b>궁</b> 52	19° 8	5°42	14°54	27°28	12° 8	14°34	2°15	5°55	0°22	29° 4	21°48	8°50	S 18
S 19	21 51 5	26°23'24	22°44	21° 9	6°56	15°31	27°32	12°15	14°37	2°15	5°56	0°22	29° 1	21°55	8°54	S 19
M20	21 55 2	27°21'10	6≈26	23°10	8°10	16° 7	27°37	12°23	14°39	2°16	5°56	0°R23	28°58	22° 2	8°59	M20
T 21	21 58 59	28°18'58	19°55	25°11	9°24	16°44	27°42	12°31	14°42	2°16	5°56	0°21	28°55	22° 8	9° 4	T 21
W22	22 2 55	29°16'46	3 <b>₩</b> 11	27°11	10°38	17°20	27°47	12°38	14°45	2°17	5°57	0°19	28°51	22°15	9° 8	W22
T 23	22 6 52	0 <b>m</b> ) 14'37	16°11	29°10	11°53	17°57	27°52	12°46	14°48	2°17	5°57	0°15	28°48	22°22	9°13	T 23
F 24	22 10 48	1°12'28	28°55	1 Mp 9	13° 7	18°34	27°57	12°53	14°51	2°18	5°57	0°10	28°45	22°28	9°17	F 24
S 25	22 14 45	2°10'22	11 <b>Y</b> 25	3° 6	14°21	19°11	28° 3	13° 1	14°54	2°18	5°57	0° 4	28°42	22°35	9°21	S 25
S 26	22 18 41	3° 8'17	23°40	5° 3	15°35	19°49	28° 9	13° 8	14°57	2°18	5°58	299559	28°39	22°42	9°26	S 26
M27	22 22 38	4° 6'14	5 <b>8</b> 44	6°58	16°49	20°26	28°14	13°15	15° 0	2°19	5°58	29°55	28°36	22°49	9°30	M27
T 28	22 26 34	5° 4'13	17°40	8°53	18° 3	21° 4	28°20	13°23	15° 3	2°19	5°58	29°52	28°32	22°55	9°34	T 28
W29	22 30 31	6° 2'13	29°32	10°46	19°18	21°42	28°26	13°30	15° 6	2°19	5°58	29°50	28°29	23° 2	9°38	W29
T 30	22 34 27	7° 0'16	11 <b>Ⅱ</b> 25	12°38	20°32	22°20	28°33	13°37	15° 9	2°19	5°58	29°D50	28°26	23° 9	9°43	T 30
F 31	22 38 24	7 <b>m</b> ) 58'21	23 <b>Ⅱ</b> 24	14 <b>m</b> 28	21 Mp 46	22M58	28M39	13 <b>Ω</b> 45	15 <b>≏</b> 13	2Ⅲ20	5 <b>Ⅱ</b> 58	29951	28923	23 <b>8</b> 15	99547	F 31

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	decl	decl l	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	dec	decl	decl	decl	lat
W 1	17n59	13n25	4 s 5 5	20n43	1 s 1 7	17n41	1n18	14 s22	1 s 1 1	18 s40	0n45	18n24	0n40	4 s53	0n38	18n57	1 s39	9n26 12s		4 20n10	-	17n18	5 s57
T 2	17 44	16 31	4 26	20 47	1 2	17 20	1 19	14 34	1 12	18 41	0 45	18 22	0 40	4 54	0 38	18 57	1 39	9 26 12	1 20 4	4 20 11	13 6	17 18	5 57
F 3			3 44	20 50	0 47	16 58	1 20	14 45	1 13	18 42	0 45	18 20	0 40	4 55	0 38	18 57	1 39	9 26 12		4 20 11		17 17	5 58
S 4	17 12	20 34	2 52	20 50	0 32	16 36	1 21	14 57	1 13	18 42	0 45	18 18	0 40	4 56	0 38	18 58	1 39	9 26 12	20 4	4 20 12	13 10	17 17	5 58
S 5	16 56	21 14	1 51	20 49	0 18	16 14	1 22	15 8	1 14	18 43	0 44	18 16	0 40	4 57	0 38	18 58	1 40	9 26 12 2	2 20 3	3 20 13	13 12	17 16	5 58
M 6	16 40	20 50	0 43	20 45	0 5	15 51	1 22	15 20	1 15	18 44	0 44	18 14	0 41	4 58	0 38	18 58	1 40	9 26 12 2	2 20 3	3 20 13	13 14	17 15	5 59
T 7	16 23	19 21	0n28	20 38	0n 8	15 27	1 23	15 32	1 15	18 45	0 44	18 12	0 41	4 59	0 38	18 58	1 40	9 26 12 2	2 20 3	3 20 14	13 16	17 15	5 59
W 8	16 6	16 47	1 39	20 30	0 20	15 4	1 24	15 43	1 16	18 45	0 44	18 10	0 41	5 0	0 38	18 58	1 40	9 26 12 2	2 20 3	3 20 15	13 18	17 14	5 59
T 9	15 49	13 17	2 46	20 18	0 32	14 40	1 24	15 55	1 17	18 46	0 43	18 8	0 41	5 1	0 38	18 58	1 40	9 26 12 2	2 20 4	4 20 15	13 20	17 13	6 0
F 10	15 31	9 1	3 45	20 4	0 43	14 15	1 25	16 6	1 17	18 47	0 43	18 6	0 41	5 2	0 38	18 58	1 40	9 26 12	3 20 4	4 20 16	13 22	17 13	6 0
S 11	15 14	4 13	4 31	19 47	0 53	13 50	1 25	16 18	1 18	18 48	0 43	18 4	0 41	5 3	0 38	18 59	1 40	9 25 12 3	3 20 3	5 20 17	13 24	17 12	6 0
S 12	14 56	0s51	5 2	19 28	1 2	13 25	1 26	16 30	1 19	18 49	0 43	18 2	0 41	5 4	0 38	18 59	1 40	9 25 12	3 20 3	5 20 17	13 26	17 11	6 1
M13	14 38	5 54	5 14	19 6	1 10	12 59	1 26	16 41	1 19	18 50	0 43	18 0	0 41	5 5	0 38	18 59	1 40	9 25 12	3 20 (	5 20 18	13 28	17 11	6 1
T 14	14 19	10 39	5 8	18 41	1 18	12 33	1 26	16 52	1 20	18 51	0 42	17 58	0 41	5 6	0 38	18 59	1 40	9 25 12 3	3 20 0	5 20 19	13 30	17 10	6 2
W15	14 0	14 49	4 42	18 14	1 24	12 7	1 26	17 4	1 20	18 52	0 42	17 56	0 41	5 7	0 37	18 59	1 40	9 25 12	1 20 (	5 20 19	13 32	17 9	6 2
T 16	13 42	18 7	4 0	17 45	1 30	11 40	1 26	17 15	1 21	18 54	0 42	17 54	0 41	5 8	0 37	18 59	1 40	9 25 12	1 20 (	5 20 20	13 34	17 9	6 2
F 17	13 22	20 18	3 3	17 13	1 34	11 13	1 26	17 26	1 22	18 55	0 42	17 52	0 42	5 9	0 37	18 59	1 40	9 25 12	1 20 3	5 20 21	13 36	17 8	6 3
S 18	13 3	21 14	1 55	16 39	1 38	10 46	1 26	17 38	1 22	18 56	0 41	17 50	0 42	5 10	0 37	18 59	1 40	9 24 12	1 20 3	5 20 21	13 38	17 7	6 3
S 19	12 44	20 51	0 42	16 3	1 41	10 18	1 26	17 49	1 23	18 57	0 41	17 48	0 42	5 11	0 37	18 59	1 40	9 24 12	20 :	5 20 22	13 40	17 6	6 4
M20	12 24	19 13	0s33	15 26	1 44	9 50	1 26	18 0	1 23	18 58	0 41	17 46	0 42	5 12	0 37	18 59	1 40	9 24 12 3	20 :	5 20 23	13 42	17 6	6 4
T 21	12 4	16 31	1 45	14 47	1 45	9 22	1 26	18 11	1 24	19 0	0 41	17 44	0 42	5 13	0 37	18 59	1 40	9 24 12 3	5 20 3	5 20 23	13 44	17 5	6 5
W22	11 44	12 59	2 50	14 7	1 46	8 54	1 25	18 22	1 24	19 1	0 41	17 42	0 42	5 15	0 37	18 59	1 40	9 24 12 3	5 20 (	5 20 24	13 46	17 4	6 5
T 23	11 24	8 54	3 45	13 25	1 46	8 25	1 25	18 33	1 25	19 2	0 40	17 40	0 42	5 16	0 37	18 59	1 40	9 24 12 3	20	7 20 25	13 48	17 3	6 5
F 24	11 3	4 30	4 27	12 43	1 45	7 57	1 25	18 44	1 25	19 4	0 40	17 38	0 42	5 17	0 37	18 59	1 40	9 23 12 (	5 20 8	3 20 25	13 50	17 3	6 6
S 25	10 42	0 1	4 55	11 59	1 44	7 27	1 24	18 54	1 26	19 5	0 40	17 36	0 42	5 18	0 37	18 59	1 41	9 23 12 (	5 20 9	20 26	13 52	17 2	6 6
S 26	10 22	4n24	5 10	11 15	1 42	6 58	1 24	19 5	1 26	19 7	0 40	17 34	0 42	5 19	0 37	18 59	1 41	9 23 12	20 10	20 27	13 54	17 1	6 7
M27	10 1	8 34	5 10	10 30	1 40	6 29	1 23	19 16	1 27	19 8	0 40	17 32	0 43	5 21	0 37	18 59	1 41	9 23 12	20 1	1 20 27	13 56	17 0	6 7
T 28	9 39	12 22	4 57	9 45	1 37	5 59	1 22	19 26	1 27	19 10	0 39	17 30	0 43	5 22	0 37	18 59	1 41	9 23 12	20 1	1 20 28	13 58	17 0	6 8
W29	9 18	15 39	4 31	8 59	1 34	5 29	1 21	19 36	1 28	19 11	0 39	17 28	0 43	5 23	0 37	18 59	1 41	9 23 12	20 12	2 20 29	14 0	16 59	6 8
T 30	8 57	18 19	3 53	8 12	1 30	4 59	1 21	19 47	1 28	19 13	0 39	17 26	0 43	5 24	0 37	18 59	1 41	9 22 12	20 12	2 20 29	14 2	16 58	6 9
F 31	8n35	20n12	3 s 5	7n26	1n26	4n29	1n20	19 s57	1 s28	19s14	0n39	17n24	0n43	5 s25	0n37	18n59	1 s41	9n22 12s ′	7 20n12	2 20n30	14n 4	16n57	6s 9

Julian Day Number = 2410850.5, Delta T = -3.92 sec Ecliptic obliquity =  $23^{\circ}27'09$ , Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}11'04$ , Lahiri =  $22^{\circ}18'04$ 

SEPTEMBER 1888 00:00 UT

JLI	LINDLI	1000													00.0	0 0.
Day	Sid.t	0	D	ğ	Ş	ď	4	ħ	)∤(	¥	Р	ß	Ω	Ç	ķ	Day
S 1	22 42 21	8 Mp 56'27	5933	16 <b>M</b> )18	23 m/ 0	23M36	28 <b>M</b> .46	13 <b>N</b> 52	15 <b>≙</b> 16	2 <b>П</b> 20	5П58	29953	28920	23822	9951	S 1
S 2	22 46 17	9°54'36	17°58	18° 6	24°14	24°15	28°52	13°59	15°19	2°20	5°58	29°54	28°17	23°29	9°55	S 2
M 3	22 50 14	10°52'46	0 <b>Ω</b> 41	19°53	25°28	24°53	28°59	14° 6	15°22	2°20	5°58	29°R55	28°13	23°35	9°58	M 3
T 4	22 54 10	11°50'58	13°47	21°39	26°43	25°32	29° 6	14°14	15°26	2°20	5°59	29°54	28°10	23°42	10° 2	T 4
W 5	22 58 7	12°49'12	27°15	23°24	27°57	26°11	29°13	14°21	15°29	2°R20	5°R59	29°51	28° 7	23°49	10° 6	W 5
T 6	23 2 3	13°47'28	11 Mp 6	25° 7	29°11	26°50	29°20	14°28	15°32	2°20	5°59	29°46	28° 4	23°56	10°10	T 6
F 7	23 6 0	14°45'46	25°16	26°50	0 <b>ჲ</b> 25	27°29	29°28	14°35	15°36	2°20	5°58	29°40	28° 1	24° 2	10°13	F 7
S 8	23 9 56	15°44'05	9 <b>≏</b> 40	28°31	1°39	28° 8	29°35	14°42	15°39	2°20	5°58	29°33	27°57	24° 9	10°17	S 8
S 9	23 13 53	16°42'27	24°12	0 <b>ჲ</b> 11	2°54	28°48	29°43	14°49	15°42	2°20	5°58	29°25	27°54	24°16	10°20	S 9
M10	23 17 50	17°40'49	8 <b>M</b> .45	1°50	4° 8	29°28	29°51	14°56	15°46	2°19	5°58	29°19	27°51	24°22	10°24	M10
T 11	23 21 46	18°39'14	23°14	3°28	5°22	0 <b>才</b> 7	29°59	15° 3	15°49	2°19	5°58	29°15	27°48	24°29	10°27	T 11
W12	23 25 43	19°37'40	7 <b>,</b> ₹33	5° 4	6°36	0°47	0 <b>才</b> 7	15° 9	15°53	2°19	5°58	29°12	27°45	24°36	10°30	W12
T 13	23 29 39	20°36'07	21°41	6°40	7°50	1°27	0°15	15°16	15°56	2°19	5°58	29°D12	27°42	24°43	10°34	T 13
F 14	23 33 36	21°34'37	5 <b>₹</b> 36	8°15	9° 5	2° 7	0°23	15°23	16° 0	2°18	5°58	29°12	27°38	24°49	10°37	F 14
S 15	23 37 32	22°33'08	19°18	9°48	10°19	2°48	0°31	15°30	16° 3	2°18	5°57	29°13	27°35	24°56	10°40	S 15
S 16	23 41 29	23°31'40	2≈48	11°21	11°33	3°28	0°40	15°36	16° 7	2°18	5°57	29°R13	27°32	25° 3	10°43	S 16
M17	23 45 25	24°30'14	16° 5	12°52	12°47	4° 9	0°49	15°43	16°11	2°17	5°57	29°12	27°29	25° 9	10°46	M17
T 18	23 49 22	25°28'50	29°11	14°22	14° 1	4°49	0°57	15°50	16°14	2°17	5°57	29° 8	27°26	25°16	10°49	T 18
W19	23 53 19	26°27'28	12 <b>米</b> 6	15°52	15°15	5°30	1° 6	15°56	16°18	2°16	5°56	29° 2	27°23	25°23	10°51	W19
T 20	23 57 15	27°26'07	24°49	17°20	16°29	6°11	1°15	16° 3	16°21	2°16	5°56	28°54	27°19	25°30	10°54	T 20
F 21	0 1 12	28°24'49	7 <b>Υ</b> 21	18°47	17°44	6°52	1°24	16° 9	16°25	2°15	5°56	28°43	27°16	25°36	10°57	F 21
S 22	0 5 8	29°23'32	19°41	20°13	18°58	7°33	1°34	16°15	16°29	2°15	5°55	28°32	27°13	25°43	10°59	S 22
S 23	0 9 5	0 <b>≏</b> 22'18	1850	21°38	20°12	8°14	1°43	16°22	16°32	2°14	5°55	28°21	27°10	25°50	11° 2	S 23
M24	0 13 1	1°21'05	13°51	23° 2	21°26	8°56	1°52	16°28	16°36	2°14	5°55	28°11	27° 7	25°56	11° 4	M24
T 25	0 16 58	2°19'55	25°45	24°25	22°40	9°37	2° 2	16°34	16°40	2°13	5°54	28° 3	27° 3	26° 3	11° 6	T 25
W26	0 20 54	3°18'48	7 <b>Ⅲ</b> 35	25°47	23°54	10°19	2°12	16°40	16°43	2°12	5°54	27°57	27° 0	26°10	11°8	W26
T 27	0 24 51	4°17'42	19°25	27° 7	25° 8	11° 0	2°21	16°46	16°47	2°12	5°53	27°54	26°57	26°16	11°11	T 27
F 28	0 28 47	5°16'39	19522	28°26	26°22	11°42	2°31	16°52	16°51	2°11	5°53	27°D52	26°54	26°23	11°13	F 28
S 29	0 32 44	6°15'38	13°28	29°44	27°37	12°24	2°41	16°58	16°54	2°10	5°52	27°52	26°51	26°30	11°15	S 29
S 30	0 36 41	7 <b>≙</b> 14'39	25951	1 <b>m</b> 1	28 <b>₽</b> 51	13 <b>∡</b> 6	2 <b>√</b> 51	17 <b>Ω</b> 4	16 <b>≏</b> 58	2 <b>II</b> 9	5 <b>Ⅱ</b> 52	27°R53	269548	26 <b>8</b> 37	119917	S 30

Day	0	D	ţ	5	·	♂	- :	4	ħ	ì	);	ξ(	卉		Р	n	v	Ç	Ł	,
	decl	decl lat	decl	lat	decl lat	decl lat	decl	lat	decl	lat	decl	lat	decl la	at	decl lat	decl	decl	decl	decl	lat
S 1	8n13	21n12 2s	8 6n39	1n21	3n59 1n19	20 s 7 1 s2	9 19s16	0n38	17n22	0n43	5 s27	0n37	18n59	1 s41	9n22 12s	7 20n11	20n30	14n 6	16n56	6 s 1 0
S 2		21 11 1	4 5 52	-			9 19 18				5 28			1 41		8 20 11				6 10
M 3 T 4		20 5 On			2 58 1 17		9 19 19 0 19 21	0 38		0 43	5 29	0 37		1 41		8 20 11 8 20 11				6 11
T 4 W 5		17 53 1 14 40 2 2		-	2 28 1 16 1 57 1 14		0 19 21	0 38		0 43	5 31 5 32	0 37		1 41	-	8 20 11				6 11
T 6			24 2 45		1 27 1 13		0 19 25	0 38		0 44	5 33			1 41	-	9 20 13				6 12
F 7	6 0	5 46 4	14 1 59	0 47	0 56 1 12	21 5 1 3	1 19 26	0 37	17 10	0 44	5 34	0 37	18 59	1 41	9 21 12	9 20 14	20 34	14 18	16 52	6 13
S 8	5 38	0 36 4	49 1 13	0 40	0 25 1 10	21 14 1 3	1 19 28	0 37	17 8	0 44	5 36	0 37	18 59	1 41	9 20 12	9 20 15	20 35	14 20	16 51	6 13
S 9	5 15	4s38 5	6 0 27	0 34	0s 6 1 9	21 23 1 3	1 19 30	0 37	17 6	0 44	5 37	0 37	18 59	1 41	9 20 12	9 20 17	20 36	14 22	16 50	6 14
M10	4 52	9 38 5	3 0s19		0 37 1 7	21 22 1 2		0 37		0 44	5 38			1 41	-	9 20 18				6 15
T 11 W12	4 29	14 3 4 4 17 37 4	41 1 4 2 1 49	0 20 0 13	1 8 1 6 1 38 1 4			0 37 0 36		0 44 0 44	5 40 5 41	0 37 0 37		1 41 1 42	-	0 20 19 0 20 20		-		6 15
T 13	3 44	20 4 3	8 2 34		2 9 1 3			0 36		0 45	5 43	0 37		1 42	9 19 12 1					6 16
F 14	3 21	-	3 3 18		2 40 1 1	22 7 1 3		0 36		0 45	5 44	0 37		1 42		0 20 20				6 17
S 15	2 57	21 11 0 :	53 4 2	0 9	3 11 0 59	22 15 1 3	3 19 41	0 36	16 55	0 45	5 45	0 37	18 58	1 42	9 19 12 1	0 20 20	20 39	14 34	16 45	6 17
S 16	2 34	19 51 0s	19 4 45	0 17	3 42 0 57	22 23 1 3	3 19 43	0 36	16 53	0 45	5 47	0 37	18 58	1 42	9 18 12 1	1 20 19	20 40	14 36	16 44	6 18
M17			29 5 28	-			4 19 45	0 35		0 45	5 48			1 42	9 18 12 1					6 19
T 18 W19	1 48 1 25	14 9 2 1 10 14 3 1			4 43 0 53 5 13 0 51			0 35		0 45 0 45	5 49 5 51	0 37 0 37		1 42 1 42		1 20 21 1 20 22	-	-		6 19 6 20
T 20	1 23	5 55 4				22 46 1 3		0 35		0 45	5 52			1 42	9 18 12 1					6 20
F 21	0 38		43 8 13	,	6 14 0 47			0 35		0 46	5 54	0 37		1 42	9 17 12 1		-		-	6 21
S 22	0 15	3n 5 5	0 8 52	1 3	6 44 0 45	23 8 1 3	4 19 55	0 35	16 42	0 46	5 55	0 37	18 57	1 42	9 17 12 1	2 20 28	20 44	14 48	16 40	6 22
S 23	0s 9	7 23 5	3 9 31	1 10	7 14 0 43	23 15 1 3	5 19 57	0 34	16 40	0 46	5 57	0 37	18 57	1 42	9 17 12 1	2 20 30	20 44	14 50	16 39	6 22
M24		11 21 4 :		-	7 44 0 41		5 19 59	0 34		0 46	5 58			1 42	9 16 12 1					6 23
T 25		14 51 4 3		-	8 14 0 38		5 20 1	0 34		0 46	5 59			1 42	9 16 12 1					6 23
W26 T 27		17 44 3 : 19 53 3	54 11 24 10 12 0		8 43 0 36 9 13 0 34		5 20 4 5 20 6		16 35 16 33	0 46 0 46	6 1	0 37 0 37		1 42 1 42	9 16 12 1 9 16 12 1	3 20 35				6 24 6 25
F 28			16 12 36		9 42 0 31	-	5 20 8		16 32	0 47	6 4			1 42	9 15 12 1				16 35	6 25
S 29	2 29	21 31 1	16 13 10	1 54 1	10 11 0 29	23 52 1 3	5 20 10	0 33	16 30	0 47	6 5	0 36	18 56	1 42	9 15 12 1	3 20 36	20 48	15 2	16 34	6 26
S 30	2 s53	20n49 0s	11 13 s44	2s 1 1	10s39 0n27	23 s58 1 s3	5 20s12	0n33	16n28	0n47	6s 7	0n36	18n56	1 s42	9n15 12s1	4 20n36	20n49	15n 4	16n33	6 s27

Julian Day Number = 2410881.5, Delta T = -3.91 sec Ecliptic obliquity =  $23^{\circ}27'10$ , Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}11'08$ , Lahiri =  $22^{\circ}18'08$ 

OCTOBER 1888 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	В	R	Ω	Ç	ķ	Day
M 1	0 40 37	8 <b>₽</b> 13'43	8 <b>Ω</b> 34	2 <b>M</b> .16	0 <b>M</b> 5	13 <b>×</b> 748	3 <b>×7</b> 2	17Ω10	17 <b>♀</b> 2	2°R 8	5°R51	27°R52	26944	26843	119518	M 1
T 2	0 44 34	9°12'49	21°42	3°30	1°19	14°30	3°12	17°16	17° 6	2 II 8	5 <b>I</b> I51	27950	26°41	26°50	11°20	T 2
W 3	0 48 30	10°11'57	5 m 18	4°42	2°33	15°13	3°22	17°21	17° 9	2° 7	5°50	27°45	26°38	26°57	11°22	W 3
T 4	0 52 27	11°11'08	19°21	5°52	3°47	15°55	3°33	17°27	17°13	2° 6	5°50	27°38	26°35	27° 3	11°23	T 4
F 5	0 56 23	12°10'20	3 <u><b>Ω</b></u> 49	7° 0	5° 1	16°38	3°43	17°32	17°17	2° 5	5°49	27°28	26°32	27°10	11°25	F 5
S 6	1 0 20	13° 9'35	18°37	8° 7	6°15	17°20	3°54	17°38	17°21	2° 4	5°48	27°17	26°28	27°17	11°26	S 6
S 7	1 4 16	14° 8'51	3 <b>M</b> .34	9°11	7°29	18° 3	4° 5	17°43	17°25	2° 3	5°48	27° 6	26°25	27°23	11°28	S 7
M 8	1 8 13	15° 8'10	18°33	10°13	8°43	18°46	4°16	17°49	17°28	2° 2	5°47	26°56	26°22	27°30	11°29	M 8
T 9	1 12 10	16° 7'31	3 <b>∡</b> 124	11°12	9°57	19°29	4°26	17°54	17°32	2° 1	5°47	26°49	26°19	27°37	11°30	T 9
W10	1 16 6	17° 6'53	1 <u>7</u> °59	12° 9	11°11	20°12	4°37	17°59	17°36	2° 0	5°46	26°44	26°16	27°44	11°31	W10
T 11	1 20 3	18° 6'17	2 <b>ਰ</b> 16	13° 3	12°26	20°55	4°49	18° 4	17°40	1°59	5°45	26°41	26°13	27°50	11°32	T 11
F 12	1 23 59	19° 5'43	16°11	13°53	13°40	21°38	5° 0	18° 9	17°44	1°58	5°44	26°41	26° 9	27°57	11°33	F 12
S 13	1 27 56	20° 5'11	29°47	14°39	14°54	22°22	5°11	18°14	17°47	1°56	5°44	26°41	26° 6	28° 4	11°34	S 13
S 14	1 31 52	21° 4'41	13 <b>≈</b> 4	15°22	16° 8	23° 5	5°22	18°19	17°51	1°55	5°43	26°40	26° 3	28°10	11°34	S 14
M15	1 35 49	22° 4'12	26° 5	16° 0	17°22	23°49	5°34	18°24	17°55	1°54	5°42	26°37	26° 0	28°17	11°35	M15
T 16	1 39 45	23° 3'45	8 <b>∺</b> 52	16°33	18°36	24°32	5°45	18°28	17°59	1°53	5°41	26°32	25°57	28°24	11°35	T 16
W17	1 43 42	24° 3'19	21°29	17° 1	19°50	25°16	5°57	18°33	18° 2	1°52	5°41	26°24	25°54	28°31	11°36	W17
T 18	1 47 39	25° 2'56	3 <b>Υ</b> 55	17°23	21° 4	26° 0	6° 8	18°38	18° 6	1°50	5°40	26°13	25°50	28°37	11°36	T 18
F 19	1 51 35	26° 2'34	16°12	17°39	22°17	26°43	6°20	18°42	18°10	1°49	5°39	26° 0	25°47	28°44	11°36	F 19
S 20	1 55 32	27° 2'15	28°21	17°47	23°31	27°27	6°32	18°46	18°14	1°48	5°38	25°45	25°44	28°51	11°37	S 20
S 21	1 59 28	28° 1'57	10823	17°R49	24°45	28°11	6°44	18°51	18°17	1°46	5°37	25°31	25°41	28°57	11°R37	S 21
M22	2 3 25	29° 1'42	22°19	17°42	25°59	28°55	6°56	18°55	18°21	1°45	5°36	25°18	25°38	29° 4	11°37	M22
T 23	2 7 21	OM 1'29	4 <b>Ⅱ</b> 10	17°26	27°13	29°40	7° 8	18°59	18°25	1°44	5°35	25° 7	25°34	29°11	11°37	T 23
W24	2 11 18	1° 1'18	15°59	17° 2	28°27	0 <b>ට</b> 24	7°20	19° 3	18°29	1°42	5°35	24°59	25°31	29°17	11°36	W24
T 25	2 15 14	2° 1'09	27°49	16°28	29°41	1° 8	7°32	19° 7	18°32	1°41	5°34	24°54	25°28	29°24	11°36	T 25
F 26	2 19 11	3° 1'02	99543	15°45	0 <b>₹</b> 55	1°52	7°44	19°11	18°36	1°39	5°33	24°51	25°25	29°31	11°36	F 26
S 27	2 23 8	4° 0'57	21°47	14°54	2° 9	2°37	7°56	19°15	18°40	1°38	5°32	24°D50	25°22	29°37	11°35	S 27
S 28	2 27 4	5° 0'55	4 <b>N</b> 6	13°54	3°23	3°21	8° 9	19°18	18°43	1°36	5°31	24°R50	25°19	29°44	11°35	S 28
M29	2 31 1	6° 0'54	16°44	12°47	4°36	4° 6	8°21	19°22	18°47	1°35	5°30	24°50	25°15	29°51	11°34	M29
T 30	2 34 57	7° 0'56	29°47	11°35	5°50	4°51	8°33	19°25	18°51	1°33	5°29	24°48	25°12	29°58	11°33	T 30
W31	2 38 54	8ML 1'00	13 <b>M</b> 19	10 <b>M</b> .18	7 <b>,₹</b> 1 4	5 <b>云</b> 35	8 <b>才</b> 46	19 <b>Ω</b> 29	18 <b>≏</b> 54	1 <b>Ⅱ</b> 32	5 <b>Ⅱ</b> 28	249544	259 9	0 <b>Π</b> 4	119933	W31

Day	0	D	3	Į	φ	ď	2	+	ħ	ì.	);	β(	并		Р	n	ಬ	Ç	ķ	;
	decl	decl lat	decl	lat de	el lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl l	at	decl lat	decl	decl	decl	decl	lat
M 1	3 s16	19n 2 0n5	6 14s16	2s 8 11s	8 0n24 24	s 3 1 s 3 6	20s14	0n33	16n27	0n47	6s 8	0n36	18n56	1 s42	9n15 12s14	20n36	20n49	15n 6	16n32	6 s27
T 2	3 39	16 13 2	3 14 48	2 15 11 3	6 0 22 24	8 1 36	20 16	0 33	16 25	0 47	6 9	0 36	18 55	1 42	9 14 12 14	20 36	20 50	15 8	16 32	6 28
W 3	4 2	12 26 3	5 15 19	2 21 12	4 0 19 24	13 1 36	20 18	0 33	16 24	0 47	6 11	0 36	18 55	1 43	9 14 12 14	20 37	20 50	15 9	16 31	6 28
T 4	4 26	7 51 3 5	7 15 48	2 28 12 3			20 20	0 33		0 47	6 12	0 36	18 55	1 43	9 14 12 14					6 29
F 5	4 49	_	6 16 17				20 23	0 32		0 48	6 14			1 43	9 14 12 14					6 30
S 6	5 12	2 s 4 2 4 5	8 16 44	2 39 13 2	6 0 11 24	26 1 36	20 25	0 32	16 19	0 48	6 15	0 36	18 55	1 43	9 13 12 15	20 43	20 52	15 15	16 29	6 30
S 7	5 35	8 1 4 5	9 17 10	2 45 13 5	3 0 9 24	30 1 36	20 27	0 32	16 17	0 48	6 17	0 36	18 54	1 43	9 13 12 15	20 45	20 53	15 17	16 28	6 31
M 8	5 58	12 52 4 4	0 17 35	2 50 14 1	9 0 6 24	34 1 36	20 29	0 32	16 16	0 48	6 18	0 36	18 54	1 43	9 13 12 15	20 47	20 53	15 19	16 27	6 32
T 9	6 21	16 53 4	2 17 58	2 55 14 4	5 0 3 24	38 1 36	20 31	0 32	16 14	0 48	6 20	0 36	18 54	1 43	9 12 12 15	20 48	20 54	15 21	16 26	6 32
W10	6 44	19 46 3	9 18 20	2 59 15 1	1 0 1 24	41 1 36	20 33	0 32	16 13	0 48	6 21	0 36	18 54	1 43	9 12 12 15	20 49	20 55	15 23	16 26	6 33
T 11	7 6	21 21 2	5 18 40	3 3 15 3	6 0s 2 24	44 1 36	20 36	0 32	16 12	0 49	6 22	0 36	18 53	1 43	9 12 12 15	20 50	20 55	15 25	16 25	6 34
F 12	7 29	21 33 0 5	5 18 58	3 6 16	1 0 5 24	47 1 36	20 38	0 31	16 10	0 49	6 24	0 36	18 53	1 43	9 12 12 16	20 50	20 56	15 27	16 24	6 34
S 13	7 51	20 29 0s1	6 19 15	3 9 16 2	6 0 8 24	50 1 36	20 40	0 31	16 9	0 49	6 25	0 36	18 53	1 43	9 11 12 16	20 50	20 56	15 29	16 23	6 35
S 14	8 14	18 16 1 2	5 19 30	3 11 16 5	0 0 10 24	52 1 36	20 42	0 31	16 7	0 49	6 27	0 36	18 53	1 43	9 11 12 16	20 50	20 57	15 31	16 23	6 36
M15	8 36	15 10 2 2	9 19 42	3 12 17 1	4 0 13 24	54 1 36	20 44	0 31	16 6	0 49	6 28	0 36	18 52	1 43	9 11 12 16	20 51	20 58	15 33	16 22	6 36
T 16	8 58	11 23 3 2	3 19 53	3 13 17 3	7 0 16 24	56 1 36	20 46	0 31	16 5	0 49	6 30	0 36	18 52	1 43	9 11 12 16	20 52	20 58	15 34	16 21	6 37
W17	9 20	7 9 4	6 20 1	3 13 18	0 0 19 24	58 1 36	20 48	0 31	16 4	0 50	6 31	0 36	18 52	1 43	9 10 12 16	20 53	20 59	15 36	16 21	6 38
T 18	9 42	2 41 4 3	7 20 6	3 12 18 2	3 0 21 24	59 1 35	20 51	0 31	16 2	0 50	6 33	0 36	18 51	1 43	9 10 12 16	20 55	20 59	15 38	16 20	6 38
F 19	10 4	1n50 4 5	5 20 8	3 10 18 4	5 0 24 25	0 1 35	20 53	0 30	16 1	0 50	6 34	0 36	18 51	1 43	9 10 12 17	20 58	21 0	15 40	16 19	6 39
S 20	10 25	6 14 4 5	9 20 7	3 6 19	6 0 27 25	1 1 35	20 55	0 30	16 0	0 50	6 35	0 36	18 51	1 43	9 9 12 17	21 0	21 1	15 42	16 19	6 40
S 21	10 47	10 21 4 5	0 20 3	3 2 19 2	7 0 30 25	2 1 35	20 57	0 30	15 59	0 50	6 37	0 36	18 51	1 43	9 9 12 17	21 3	21 1	15 44	16 18	6 40
M22	11 8	14 3 4 2	7 19 55	2 55 19 4	7 0 33 25	2 1 35	20 59	0 30	15 58	0 50	6 38	0 36	18 50	1 43	9 9 12 17	21 5	21 2	15 46	16 17	6 41
T 23	11 29	17 10 3 5	4 19 44	2 48 20	7 0 35 25	2 1 35	21 1	0 30	15 56	0 51	6 40	0 36	18 50	1 43	9 9 12 17	21 7	21 2	15 48	16 17	6 41
W24	11 50	19 34 3 1	0 19 28	2 39 20 2	7 0 38 25	2 1 35	21 3	0 30	15 55	0 51	6 41	0 36	18 50	1 43	9 8 12 17	21 9	21 3	15 50	16 16	6 42
T 25	12 11	21 8 2 1	8 19 8	2 28 20 4	6 0 41 25	1 1 35	21 6	0 30	15 54	0 51	6 43	0 36	18 49	1 43	9 8 12 17	21 10	21 3	15 52	16 15	6 43
F 26	12 31	21 47 1 1	9 18 43	2 15 21	4 0 44 25	1 1 34	21 8	0 29	15 53	0 51	6 44	0 36	18 49	1 43	9 8 12 17	21 10	21 4	15 53	16 15	6 43
S 27	12 52	21 25 0 1	6 18 14	2 1 21 2	1 0 46 25	0 1 34	21 10	0 29	15 52	0 51	6 45	0 36	18 49	1 43	9 8 12 18	21 10	21 5	15 55	16 14	6 44
S 28	13 12	20 2 0n4	9 17 41	1 45 21 3	9 0 49 24	59 1 34	21 12	0 29	15 51	0 51	6 47	0 36	18 48	1 43	9 7 12 18	21 10	21 5	15 57	16 14	6 45
M29	13 32	17 38 1 5	3 17 4	1 27 21 5	5 0 52 24	57 1 34	21 14	0 29	15 50	0 52	6 48	0 36	18 48	1 43	9 7 12 18	21 10	21 6	15 59	16 13	6 45
T 30	13 52	14 16 2 5	4 16 24	1 8 22 1	1 0 54 24	55 1 34	21 16	0 29	15 49	0 52	6 50	0 36	18 48	1 43	9 7 12 18	21 11	21 6	16 1	16 12	6 46
W31	14 s11	10n 3 3n4	7 15 s41	0 s48 22 s2	6 0s57 <mark>24</mark>	s53 1 s34	21 s 18	0n29	15n49	0n52	6 s 5 1	0n36	18n47	1 s43	9n 7 12s18	21n12	21n 7	16n 3	16n12	6 s47

Julian Day Number = 2410911.5, Delta T = -3.90 sec Ecliptic obliquity =  $23^{\circ}27'10$ , Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}11'12$ , Lahiri =  $22^{\circ}18'12$ 

NOVEMBER 1888 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ	)ұ(	卉	Р	R	Ω	Ç	ę,	Day
T 1	2 42 50	9 <b>M</b> 1'07	27 m/22	9°R 0	8 <b>∡</b> 18	6 <b>ට</b> 20	8 <b>₹</b> 58	19 <b>Ω</b> 32	18 <b>≏</b> 58	1°R30	5°R27	24°R37	259 6	0 <b>Ц</b> 11	11°R32	T 1
F 2	2 46 47	10° 1'15	11 <b>≏</b> 53	7 <b>M</b> .43	9°32	7° 5	9°11	19°35	19° 2	1Ⅱ29	5 <b>Ⅱ</b> 26	249528	25° 3	0°18	119931	F 2
S 3	2 50 43	11° 1'25	26°49	6°28	10°46	7°50	9°24	19°38	19° 5	1°27	5°25	24°17	25° 0	0°24	11°30	S 3
S 4	2 54 40	12° 1'37	12 <b>M</b> 0	5°20	11°59	8°35	9°36	19°41	19° 9	1°26	5°24	24° 6	24°56	0°31	11°29	S 4
M 5	2 58 37	13° 1'51	27°17	4°19	13°13	9°20	9°49	19°44	19°12	1°24	5°23	23°56	24°53	0°38	11°27	M 5
T 6	3 2 3 3	14° 2'07	12 <b>~</b> 27	3°28	14°27	10° 5	10° 2	19°47	19°16	1°23	5°22	23°48	24°50	0°44	11°26	T 6
W 7	3 6 30	15° 2'24	27°22	2°47	15°41	10°50	10°15	19°49	19°19	1°21	5°21	23°43	24°47	0°51	11°25	W 7
T 8	3 10 26	16° 2'43	11 <b>る</b> 54	2°17	16°54	11°36	10°28	19°52	19°23	1°19	5°20	23°41	24°44	0°58	11°23	T 8
F 9	3 14 23	17° 3'04	26° 1	2° 0	18° 8	12°21	10°40	19°54	19°26	1°18	5°19	23°D40	24°40	1° 5	11°21	F 9
S 10	3 18 19	18° 3'25	9≈42	1°D53	19°22	13° 6	10°53	19°57	19°30	1°16	5°18	23°41	24°37	1°11	11°20	S 10
S 11	3 22 16	19° 3'48	22°59	1°58	20°36	13°52	11° 6	19°59	19°33	1°14	5°16	23°R41	24°34	1°18	11°18	S 11
M12	3 26 12	20° 4'13	5 <b>)</b> 55	2°14	21°49	14°37	11°19	20° 1	19°37	1°13	5°15	23°40	24°31	1°25	11°16	M12
T 13	3 30 9	21° 4'39	18°33	2°39	23° 3	15°23	11°33	20° 3	19°40	1°11	5°14	23°36	24°28	1°31	11°14	T 13
W14	3 34 6	22° 5'06	0 <b>Υ</b> 58	3°14	24°17	16° 8	11°46	20° 5	19°43	1° 9	5°13	23°30	24°25	1°38	11°12	W14
T 15	3 38 2	23° 5'34	13°12	3°56	25°30	16°54	11°59	20° 7	19°47	1°8	5°12	23°21	24°21	1°45	11°10	T 15
F 16	3 41 59	24° 6'04	25°18	4°46	26°44	17°40	12°12	20° 9	19°50	1° 6	5°11	23°11	24°18	1°51	11° 8	F 16
S 17	3 45 55	25° 6'35	7 <b>8</b> 17	5°41	27°57	18°26	12°25	20°10	19°53	1° 4	5°10	22°59	24°15	1°58	11° 6	S 17
S 18	3 49 52	26° 7'08	19°13	6°43	29°11	19°11	12°38	20°12	19°57	1° 3	5° 9	22°47	24°12	2° 5	11° 4	S 18
M19	3 53 48	27° 7'43	1 <b>I</b> I 4	7°49	0 <b>る</b> 24	19°57	12°52	20°13	20° 0	1° 1	5° 8	22°37	24° 9	2°12	11° 1	M19
T 20	3 57 45	28° 8'19	12°55	8°59	1°38	20°43	13° 5	20°14	20° 3	0°59	5° 6	22°28	24° 5	2°18	10°59	T 20
W21	4 141	29° 8'56	24°45	10°13	2°51	21°29	13°18	20°16	20° 6	0°58	5° 5	22°22	24° 2	2°25	10°56	W21
T 22	4 5 38	0 <b>₮</b> 9'35	6938	11°29	4° 5	22°15	13°32	20°17	20° 9	0°56	5° 4	22°18	23°59	2°32	10°54	T 22
F 23	4 9 35	1°10'15	18°35	12°49	5°18	23° 1	13°45	20°18	20°12	0°54	5° 3	22°D16	23°56	2°38	10°51	F 23
S 24	4 13 31	2°10'57	0 <b>Ω</b> 42	14°10	6°31	23°47	13°59	20°18	20°15	0°53	5° 2	22°17	23°53	2°45	10°48	S 24
S 25	4 17 28	3°11'41	13° 1	15°34	7°45	24°33	14°12	20°19	20°19	0°51	5° 1	22°18	23°50	2°52	10°45	S 25
M26	4 21 24	4°12'26	25°37	16°59	8°58	25°19	14°25	20°20	20°22	0°49	5° 0	22°19	23°46	2°58	10°43	M26
T 27	4 25 21	5°13'13	8 <b>m</b> 35	18°25	10°11	26° 5	14°39	20°20	20°24	0°47	4°59	22°R19	23°43	3° 5	10°40	T 27
W28	4 29 17	6°14'01	21°58	19°52	11°25	26°52	14°52	20°21	20°27	0°46	4°57	22°18	23°40	3°12	10°37	W28
T 29	4 33 14	7°14'51	5 <b>₽</b> 50	21°21	12°38	27°38	15° 6	20°21	20°30	0°44	4°56	22°15	23°37	3°18	10°33	T 29
F 30	4 37 10	8 <b>×</b> 15'42	20 <b>₽</b> 10	22M50	13 <b>る</b> 51	28 <b>궁</b> 24	15 <b>×</b> 19	20 <b>Ω</b> 21	20 <b>≏</b> 33	0 <b>Ⅱ</b> 42	4 <b>∏</b> 55	229510	23934	3 <b>Ⅱ</b> 25	10930	F 30

Day	0	D	ğ	· P	ď	4	ħ	)Å(	<del>,</del>	Р	w v	Ç	ķ
	decl	decl lat	decl	lat decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1	14 s31		29 14s56			21 s20 0n29		6 s52 0n36			21n13 21n 8		
F 2 S 3	14 50 15 9		54 14 12 1 13 28			21 22 0 29 21 24 0 28	15 47 0 52 15 46 0 52	6 54 0 36 6 55 0 36	18 47 1 43 18 46 1 43			16 7 16 8	
S 4			47 12 47				15 45 0 53		18 46 1 43		21 18 21 9		
M 5	-	-	-			21 28 0 28		6 58 0 36			21 20 21 10		
T 6			20 11 36 15 11 7				15 44 0 53 15 43 0 53	6 59 0 36 7 0 0 36			21 21 21 10 21 22 21 11		
T 8	16 39		2 10 44		-		15 43 0 53				21 22 21 11		
F 9	16 56		13 10 27				15 42 0 54				21 23 21 12		
S 10	17 13	19 11 1 2	24 10 16				15 41 0 54	7 4 0 36	18 44 1 44	9 4 12 19	21 23 21 13	16 21	16 7 6 53
S 11	17 30	16 13 2 2	29 10 10	2 7 24 31 1 2	4 24 14 1 31	21 40 0 28	15 41 0 54	7 6 0 36	18 44 1 44	9 4 12 19	21 23 21 13	16 23	16 6 6 53
M12	17 46	12 32 3 2	25 10 10			21 42 0 27		7 7 0 37	18 43 1 44		21 23 21 14		
T 13	18 2	8 21 4	9 10 14	2 18 24 45 1 2	9 24 3 1 30	21 44 0 27	15 40 0 54	7 8 0 37	18 43 1 44	9 4 12 19	21 23 21 14	16 27	16 5 6 55
W14	18 18		41 10 23			21 46 0 27		7 9 0 37			21 24 21 15		
T 15	18 33		59 10 36				15 39 0 55	7 11 0 37			21 26 21 15		
F 16	18 48		4 10 52				15 39 0 55		18 42 1 44		21 28 21 16		
S 17	19 3		55 11 11				15 38 0 55		18 42 1 44		21 30 21 17		
S 18	19 18		33 11 33				15 38 0 55		18 41 1 44		21 32 21 17		
M19			59 11 57	2 18 25 8 1 4			15 38 0 55		-		21 33 21 18		
T 20 W21	19 45 19 59		15 12 22 22 12 49				15 38 0 56 15 37 0 56		18 41 1 44 18 40 1 44		21 35 21 18 21 36 21 19		
T 22	20 12		23 13 17				15 37 0 56		18 40 1 44		21 36 21 19		
	20 24		20 13 46				15 37 0 56		18 40 1 44		21 37 21 20		
S 24	20 37	20 45 0n4	45 14 16	1 55 25 6 1 4	9 22 46 1 26	22 3 0 26	15 37 0 56	7 21 0 37	18 39 1 44	9 2 12 19	21 37 21 20	16 47	16 2 7 0
S 25	20 48	18 40 1 3	50 14 46	1 50 25 4 1 5	1 22 38 1 26	22 5 0 26	15 37 0 57	7 22 0 37	18 39 1 44	9 1 12 19	21 36 21 21	16 49	16 1 7 1
M26	21 0		50 15 16		2 22 29 1 25		15 37 0 57	7 24 0 37	18 39 1 44		21 36 21 22		
	21 11		44 15 46				15 37 0 57	7 25 0 37	18 38 1 44		21 36 21 22		
1	21 22	7 17 4 2					15 37 0 57		18 38 1 44		21 36 21 23		
1	21 32		57 16 46				15 37 0 57		18 38 1 44		21 37 21 23		
F 30	21 s42	3 s 7 5n	9 17s15	1n17 24s40 1s5	7 21 s51 1 s24	22 s13 0n26	15n37 0n58	7 s28 0n37	18n37 1 s44	9n 1 12s19	21n38 21n24	16n58	16n 0 7s 3

Julian Day Number = 2410942.5, Delta T = -3.90 sec Ecliptic obliquity =  $23^{\circ}27'10$ , Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}11'16$ , Lahiri =  $22^{\circ}18'17$ 

DECEMBER 1888 00:00 UT

Day	Sid.t	0	D	ğ	ρ	ð	4	ħ	)∤(	¥	Р	n	ß	Ç	ķ	Day
S 1	4 41 7	9 <b>∡</b> 16'35	4 <b>M</b> .56	24M20	15중 4	29 <b>궁</b> 11	15 <b>×</b> 33	20°R21	20 <b>ჲ</b> 36	0°R41	4°R54	22°R 3	23931	3 <b>П</b> 32	10°R27	S 1
S 2	4 45 4	10°17'28	20° 2	25°50	16°17	29°57	15°47	20\$\Omega21\$	20°39	0 <b>П</b> 39	4 <b>Ⅱ</b> 53	21957	23°27	3°39	10924	S 2
M 3	4 49 0	11°18'24	5 <b>√</b> 18	27°21	17°31	0≈43	16° 0	20°21	20°42	0°37	4°52	21°50	23°24	3°45	10°21	M 3
T 4	4 52 57	12°19'20	20°34	28°52	18°44	1°30	16°14	20°20	20°44	0°36	4°51	21°46	23°21	3°52	10°17	T 4
W 5	4 56 53	13°20'17	5 <b>궁</b> 40	0 <b>∡</b> 123	19°57	2°16	16°27	20°20	20°47	0°34	4°49	21°43	23°18	3°59	10°14	W 5
T 6	5 0 50	14°21'16	20°26	1°55	21°10	3° 3	16°41	20°20	20°50	0°32	4°48	21°D42	23°15	4° 5	10°10	T 6
F 7	5 4 46	15°22'15	4≈47	3°27	22°23	3°49	16°54	20°19	20°52	0°31	4°47	21°42	23°11	4°12	10° 7	F 7
S 8	5 8 43	16°23'14	18°40	4°59	23°36	4°36	17° 8	20°18	20°55	0°29	4°46	21°44	23° 8	4°19	10° 3	S 8
S 9	5 12 39	17°24'15	2 <b>∺</b> 6	6°32	24°48	5°22	17°22	20°17	20°57	0°28	4°45	21°45	23° 5	4°25	10° 0	S 9
M10	5 16 36	18°25'15	15° 6	8° 4	26° 1	6° 9	17°35	20°16	21° 0	0°26	4°44	21°R46	23° 2	4°32	9°56	M10
T 11	5 20 33	19°26'16	27°46	9°37	27°14	6°56	17°49	20°15	21° 2	0°24	4°43	21°46	22°59	4°39	9°52	T 11
W12	5 24 29	20°27'18	10 <b>Y</b> 8	11°10	28°27	7°42	18° 2	20°14	21° 4	0°23	4°42	21°44	22°56	4°45	9°48	W12
T 13	5 28 26	21°28'20	22°17	12°43	29°39	8°29	18°16	20°13	21° 7	0°21	4°41	21°41	22°52	4°52	9°45	T 13
F 14	5 32 22	22°29'23	4816	14°16	0≈52	9°15	18°30	20°11	21° 9	0°20	4°40	21°36	22°49	4°59	9°41	F 14
S 15	5 36 19	23°30'26	16°10	15°49	2° 5	10° 2	18°43	20°10	21°11	0°18	4°38	21°31	22°46	5° 5	9°37	S 15
S 16	5 40 15	24°31'30	28° 1	17°22	3°17	10°49	18°57	20° 8	21°14	0°17	4°37	21°26	22°43	5°12	9°33	S 16
M17	5 44 12	25°32'34	9 <b>Ⅱ</b> 51	18°55	4°29	11°36	19°10	20° 6	21°16	0°15	4°36	21°21	22°40	5°19	9°29	M17
T 18	5 48 8	26°33'39	21°43	20°29	5°42	12°22	19°24	20° 5	21°18	0°14	4°35	21°18	22°37	5°26	9°25	T 18
W19	5 52 5	27°34'45	3938	22° 3	6°54	13° 9	19°38	20° 3	21°20	0°12	4°34	21°15	22°33	5°32	9°21	W19
T 20	5 56 2	28°35'50	15°39	23°37	8° 6	13°56	19°51	20° 1	21°22	0°11	4°33	21°D14	22°30	5°39	9°17	T 20
F 21	5 59 58	29°36'57	27°47	25°11	9°18	14°43	20° 5	19°59	21°24	0° 9	4°32	21°14	22°27	5°46	9°13	F 21
S 22	6 3 55	0 <b>ප</b> 38'04	10 <b>N</b> 3	26°45	10°31	15°29	20°18	19°56	21°26	0° 8	4°31	21°15	22°24	5°52	9° 9	S 22
S 23	6 7 5 1	1°39'11	22°32	28°20	11°43	16°16	20°32	19°54	21°28	0° 6	4°30	21°16	22°21	5°59	9° 5	S 23
M24	6 11 48	2°40'19	5 <b>m</b> 15	29°54	12°54	17° 3	20°45	19°52	21°29	0° 5	4°29	21°18	22°17	6° 6	9° 1	M24
T 25	6 15 44	3°41'28	18°15	1 <b>る</b> 29	14° 6	17°50	20°59	19°49	21°31	0° 4	4°28	21°19	22°14	6°12	8°57	T 25
W26	6 19 41	4°42'37	1 <b>≏</b> 35	3° 5	15°18	18°37	21°12	19°46	21°33	0° 2	4°27	21°R20	22°11	6°19	8°53	W26
T 27	6 23 37	5°43'46	15°17	4°40	16°30	19°23	21°25	19°44	21°35	0° 1	4°26	21°20	22° 8	6°26	8°49	T 27
F 28	6 27 34	6°44'56	29°21	6°16	17°41	20°10	21°39	19°41	21°36	29 <b>8</b> 59	4°25	21°19	22° 5	6°32	8°45	F 28
S 29	6 31 31	7°46'07	13 <b>M</b> 48	7°52	18°53	20°57	21°52	19°38	21°38	29°58	4°24	21°17	22° 2	6°39	8°40	S 29
S 30	6 35 27	8°47'18	28°33	9°29	20° 4	21°44	22° 6	19°35	21°39	29°57	4°23	21°16	21°58	6°46	8°36	S 30
M31	6 39 24	9 <b>ප්</b> 48'29	13 <b>∡</b> 30	11중 6	21≈16	22≈31	22 <b>×</b> 19	19 <b>N</b> 32	21 <b>≏</b> 41	29 <b>8</b> 56	4 <b>Ⅱ</b> 23	219514	21955	6耳52	8932	M31

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S 1	21 s51	8 s26 5n	17s44	1n10 24s3	3 1 s 58 21	s41 1 s23	22 s15	0n26	15n38	0n58	7 s29	0n37	18n37	1 s44	9n 0	12s18	21n39	21n24	17n 0	16n 0	7s 4
S 2	22 0	13 22 4	33 18 13	1 2 24 2	5 1 59 21	31 1 23	22 16	0 25	15 38	0 58	7 30	0 37	18 37	1 43	9 0	12 18	21 40	21 25	17 2	16 0	7 4
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S 9	22 51	13 53 3	23 21 13	0 12 23 1	2 2 4 20	13 1 19	22 26	0 25	15 40	0 59	7 37	0 37	18 34	1 43	9 0	12 18	21 42	21 29	17 14	15 59	7 7
M10	22 57	9 44 4	11 21 35	0 5 22 5	9 2 4 20	1 1 19	22 28	0 25	15 41	1 0	7 38	0 37	18 34	1 43	8 59	12 18	21 42	21 29	17 16	15 59	7 7
T 11	23 2		46 21 56				22 29	0 25		1 0	7 38	0 37	18 34	1 43	8 59			21 30			7 7
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S 16	23 20	15 38 4	12 23 27	0 36 21 2	5 2 4 18	45 1 16	22 35	0 24	15 44	1 1	7 43	0 37	18 32	1 43	8 59	12 17	21 45	21 32	17 26	15 59	7 9
M17	23 23	18 31 3	28 23 41	0 42 21	9 2 3 18	31 1 15	22 37	0 24	15 45	1 1	7 43	0 37	18 32	1 43	8 59	12 17	21 45	21 33	17 28	15 59	7 9
T 18	23 24		35 23 55				22 38	0 24		1 1	7 44	0 37	18 32	1 43	8 59			21 33			7 9
W19	23 26			0 54 20 3			22 39	0 24		1 1	7 45		18 31	1 43	8 59			21 34			7 10
T 20 F 21	23 27 23 27		31 24 18 36 24 28				22 40 22 41	0 24 0 24		1 2 1 2	7 46 7 46		18 31 18 31	1 43 1 43				21 34 21 35			7 10 7 10
S 22	23 27	-	42 24 36				22 41	0 24		1 2	7 47	0 37		1 43				21 35			
S 23	23 27	16 36 2	44 24 43	1 17 19 1	1 1 59 17	7 1 12	22 43	0 24	15 50	1 2	7 48	0 37	18 30	1 43	8 59	12 16	21 46	21 36	17 39	15 59	7 10
M24	23 26		40 24 49	1 22 18 5			22 44	0 24		1 2	7 48		18 30	1 43	8 59			21 36			7 11
T 25	23 24	8 43 4	25 24 53	1 27 18 2	8 1 57 16	37 1 11	22 45	0 24	15 52	1 2	7 49	0 37	18 30	1 43	8 59	12 16	21 46	21 37	17 42	15 59	7 11
W26			58 24 56				22 46	0 23		1 3	7 50		18 30	1 43	8 59			21 37			
T 27	23 20		15 24 58	1 36 17 4			22 47	0 23		1 3	7 50		18 29	1 43	8 59			21 38			
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Julian Day Number = 2410972.5, Delta T = -3.89 sec Ecliptic obliquity =  $23^{\circ}27'09$ , Nutation = - $0^{\circ}00'17$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $23^{\circ}11'20$ , Lahiri =  $22^{\circ}18'21$