

# Astrodienst Ephemeris Tables for the year 1783

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 1783 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)ţ(	¥	Р	S.	v	Ç	ķ	Day
W 1	6 42 4	10 <b>ට</b> 33'36	7 <b>√</b> 142	3 <b>ට</b> 27	9 <b>ට</b> 39	25 <b>M</b> 29	10 <b>る</b> 33	4 <b>る</b> 24	5°R 7	10 <b>⊆</b> 12	7≈12	1°R44	2 <b>Υ</b> 2	13 <b>Ⅱ</b> 40	10°R31	W 1
T 2	6 46 1	11°34'48	22°50	5° 2	10°55	26° 9	10°47	4°31	5 <b>9</b> 5	10°13	7°13	1 <b>Y</b> 34	1°59	13°47	10830	T 2
F 3	6 49 57	12°36'00	8중 2	6°37	12°10	26°50	11° 1	4°38	5° 2	10°13	7°15	1°22	1°56	13°54	10°29	F 3
S 4	6 53 54	13°37'11	23° 8	8°12	13°26	27°30	11°15	4°45	5° 0	10°13	7°17	1°11	1°53	14° 0	10°28	S 4
S 5	6 57 50	14°38'23	7≈57	9°48	14°41	28°10	11°29	4°52	4°57	10°14	7°19	1° 1	1°50	14° 7	10°27	S 5
M 6	7 1 47	15°39'34	22°22	11°24	15°57	28°50	11°43	4°59	4°55	10°14	7°20	0°53	1°46	14°14	10°26	M 6
T 7	7 5 43	16°40'44	6 <b>₩</b> 17	13° 0	17°12	29°30	11°56	5° 6	4°52	10°14	7°22	0°48	1°43	14°21	10°26	T 7
W 8	7 9 40	17°41'54	19°43	14°37	18°28	0 <b>√</b> 11	12°10	5°13	4°50	10°14	7°24	0°46	1°40	14°27	10°25	W 8
T 9	7 13 36	18°43'03	2 <b>Υ</b> 41	16°14	19°43	0°51	12°24	5°20	4°47	10°14	7°26	0°D45	1°37	14°34	10°24	T 9
F 10	7 17 33	19°44'12	15°15	17°52	20°59	1°31	12°38	5°27	4°45	10°14	7°27	0°R46	1°34	14°41	10°23	F 10
S 11	7 21 30	20°45'20	27°31	19°30	22°14	2°11	12°52	5°34	4°42	10°R14	7°29	0°46	1°30	14°47	10°23	S 11
S 12	7 25 26	21°46'27	9 <b>8</b> 33	21° 9	23°30	2°52	13° 6	5°41	4°40	10°14	7°31	0°44	1°27	14°54	10°22	S 12
M13	7 29 23	22°47'34	21°27	22°49	24°45	3°32	13°20	5°47	4°37	10°14	7°33	0°40	1°24	15° 1	10°22	M13
T 14	7 33 19	23°48'40	3 <b>I</b> I18	24°28	26° 1	4°12	13°34	5°54	4°35	10°14	7°35	0°33	1°21	15° 8	10°22	T 14
W15	7 37 16	24°49'45	15° 8	26° 9	27°16	4°53	13°48	6° 1	4°32	10°14	7°36	0°24	1°18	15°14	10°21	W15
T 16	7 41 12	25°50'49	27° 2	27°50	28°31	5°33	14° 1	6° 8	4°30	10°14	7°38	0°13	1°15	15°21	10°21	T 16
F 17	7 45 9	26°51'53	995 2	29°31	29°47	6°13	14°15	6°15	4°28	10°14	7°40	0° 0	1°11	15°28	10°21	F 17
S 18	7 49 5	27°52'56	21°10	1≈13	1≈ 2	6°54	14°29	6°22	4°25	10°13	7°42	29 <b>)</b> (48	1° 8	15°34	10°21	S 18
S 19	7 53 2	28°53'58	3 <b>Ω</b> 25	2°55	2°18	7°34	14°43	6°28	4°23	10°13	7°44	29°36	1° 5	15°41	10°D21	S 19
M20	7 56 59	29°55'00	15°50	4°38	3°33	8°15	14°57	6°35	4°21	10°13	7°46	29°27	1° 2	15°48	10°21	M20
T 21	8 0 55	0≈56'00	28°24	6°22	4°48	8°55	15°10	6°42	4°19	10°13	7°47	29°20	0°59	15°55	10°21	T 21
W22	8 4 52	1°57'00	11 Mp 8	8° 5	6° 4	9°35	15°24	6°48	4°16	10°12	7°49	29°15	0°56	16° 1	10°21	W22
T 23	8 8 48	2°58'00	24° 4	9°50	7°19	10°16	15°38	6°55	4°14	10°12	7°51	29°D14	0°52	16° 8	10°21	T 23
F 24	8 12 45	3°58'58	7 <b>≏</b> 12	11°34	8°34	10°56	15°51	7° 2	4°12	10°11	7°53	29°14	0°49	16°15	10°21	F 24
S 25	8 16 41	4°59'56	20°36	13°19	9°50	11°37	16° 5	7° 8	4°10	10°11	7°55	29°15	0°46	16°22	10°22	S 25
S 26	8 20 38	6° 0'54	4 <b>M</b> .16	15° 4	11° 5	12°17	16°19	7°15	4° 8	10°11	7°57	29°R15	0°43	16°28	10°22	S 26
M27	8 24 34	7° 1'51	18°14	16°49	12°20	12°58	16°32	7°21	4° 6	10°10	7°59	29°15	0°40	16°35	10°23	M27
T 28	8 28 31	8° 2'47	2 <b>₹</b> 30	18°34	13°36	13°39	16°46	7°28	4° 4	10° 9	8° 0	29°12	0°36	16°42	10°23	T 28
W29	8 32 28	9° 3'43	1 <u>7°</u> 2	20°19	14°51	14°19	16°59	7°34	4° 2	10° 9	8° 2	29° 7	0°33	16°48	10°24	W29
T 30	8 36 24	10° 4'37	1 <b>조</b> 45	22° 4	16° 6	15° 0	17°13	7°40	4° 0	10° 8	8° 4	29° 1	0°30	16°55	10°25	T 30
F 31	8 40 21	11≈ 5'31	16 <b>궁</b> 34	23≈48	17≈21	15 <b>∡</b> 740	17 <b>る</b> 26	7 <b>궁</b> 47	3 <b>9</b> 58	10☎ 8	8 <b>≈</b> 6	28 <b>米</b> 53	0 <b>Υ</b> 27	17 <b>II</b> 2	10825	F 31

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W 1 T 2 F 3 S 4	23 s 3 22 58 22 52 22 46	28 13 4 57 28 11 4 58	24 42 1 24 43 1	s14 23 s42 0 s35 19 23 38 0 37 24 23 34 0 39 29 23 29 0 41	18 54 0 26 19 4 0 25	23 4 0 3	22 41 0 42 22 41 0 42	23n41 0n19 23 41 0 19 23 41 0 19 23 41 0 19	2 s 3 8 1 n 3 2 2 3 8 1 3 2 2 3 8 1 3 2 2 3 8 1 3 2	24 18 6 2	0n42 0 37 0 33 0 28	0n49 27n1 0 47 27 2 0 46 27 2 0 45 27 2	0 13 6 2 0
S 5 M 6 T 7 W 8 T 9	22 40 22 33 22 26 22 18 22 10	17 2 3 8 11 10 2 6 4 58 0 58	24 36 1 24 31 1 24 25 1		19 33 0 23 19 42 0 23 19 51 0 22		22 41 0 42 22 40 0 42 22 40 0 42	23 41 0 19 23 41 0 19 23 42 0 19 23 42 0 19 23 42 0 19	2 38 1 32 2 38 1 32 2 38 1 32	24 17 6 2 24 16 6 2	0 24 0 21 0 19 0 18 0 18	0 44 27 2 0 42 27 2 0 41 27 2 0 40 27 2 0 39 27 2	5 13 5 2 0 6 13 4 2 0 7 13 4 2 0
F 10 S 11 S 12	22 10 22 1 21 52 21 42	7 11 1 16 12 44 2 17	24 8 1 23 57 1	49 22 32 0 51 52 22 43 0 53 55 22 32 0 55 58 22 22 0 57	20 9 0 21 20 18 0 20	22 56 0 4	22 40 0 42 22 40 0 42	23 42 0 19 23 42 0 19 23 42 0 19 23 42 0 19		24 15 6 2 24 15 6 2		0 39 27 2 0 37 27 2 0 36 27 3 0 35 27 3	9 13 4 1 59 0 13 4 1 59
M13 T 14 W15 T 16 F 17 S 18	21 22	27 28 4 52 28 28 5 2 28 7 4 59	23 15 2 22 58 2 22 39 2	2 21 58 1 1 3 21 45 1 2 4 21 32 1 4 5 21 17 1 5	20 43 0 18 20 51 0 17 20 59 0 17 21 7 0 16	22 52 0 4 22 51 0 4 22 49 0 4 22 48 0 4 22 47 0 4 22 45 0 4	22 39 0 42 22 39 0 41 22 38 0 41 22 38 0 41	-	2 38 1 33 2 38 1 33	24 13 6 2 24 13 6 2 24 13 6 2 24 12 6 2	0 16 0 13 0 10 0 5 0 0 0s 5	0 34 27 3 0 32 27 3 0 31 27 3 0 30 27 3 0 28 27 3 0 27 27 3	3 13 3 1 59 4 13 3 1 59 5 13 3 1 59 6 13 3 1 59
S 19 M20 T 21 W22 T 23 F 24 S 25	20 24 20 12 19 59 19 45 19 31 19 17 19 2	23 30 4 12 19 27 3 30 14 30 2 37	21 34 2 21 9 2 20 42 2 20 14 2 19 44 2 19 13 1	5 20 47 1 9 5 20 31 1 10 3 20 15 1 11 2 19 57 1 13	21 22 0 15 21 29 0 14 21 36 0 13 21 43 0 13 21 49 0 12 21 56 0 11	22 44 0 4 22 42 0 5 22 41 0 5 22 40 0 5 22 38 0 5 22 37 0 5 22 35 0 5	22 37 0 41 22 37 0 41 22 37 0 41 22 37 0 41 22 36 0 41 22 36 0 41	23 43 0 19 23 43 0 19 23 43 0 19 23 43 0 19 23 43 0 19		24 11 6 2 24 11 6 2 24 10 6 2 24 10 6 2 24 9 6 2 24 9 6 2	0 10 0 13 0 16 0 18 0 18 0 18	0 26 27 3 0 25 27 3 0 25 27 3 0 23 27 4 0 22 27 4 0 20 27 4 0 18 27 4	8 13 3 1 59 9 13 3 1 59 0 13 3 1 59 1 13 3 1 59 1 13 3 1 59 2 13 4 1 59 3 13 4 1 59
S 26 M27 T 28 W29 T 30 F 31	18 32 18 17 18 1 17 45	25 10 4 34 27 49 5 0 28 34 5 6	17 30 1 16 53 1 16 14 1 15 34 1	41 18 2 1 20	22 14 0 9 22 20 0 8 22 25 0 7 22 31 0 7	22 29 0 5 22 27 0 6	22 35 0 41 22 35 0 41 22 34 0 41 22 34 0 41	23 43 0 19 23 n43 0n19		24 8 6 3 24 7 6 3 24 7 6 3	0 18 0 18 0 19 0 21 0 24 0 s27	0 17 27 4 0 16 27 4 0 15 27 4 0 13 27 4 0 12 27 4 0n11 27n4	5 13 4 1 59 6 13 4 1 59 7 13 5 1 59 8 13 5 1 59

Julian Day Number = 2372287.5, Delta T = 22.30 sec Ecliptic obliquity =  $23^{\circ}28'12$ , Nutation = -  $0^{\circ}00'00$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}42'38$ , Lahiri =  $20^{\circ}49'38$ Greg. Calendar

FEBRUARY 1783 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	Р	S.	v	Ç	Ŗ	Day
S 1	8 44 17	12≈ 6'24	1≈19	25≈30	18 <b>≈</b> 37	16 <b>×</b> 21	17 <b>る</b> 39	7 <b>궁</b> 53	3°R56	10°R 7	8≈ 8	28°R45	0 <b>Υ</b> 24	17 <b>I</b> 9	10826	S 1
S 2	8 48 14	13° 7'16	15°54	27°12	19°52	17° 2	17°53	7°59	3954	10 <b>♀</b> 6	8°10	28 <b>)</b> 38	0°21	17°15	10°27	S 2
M 3	8 52 10	14° 8'06	0 <b>)</b> 10	28°52	21° 7	17°42	18° 6	8° 5	3°52	10° 6	8°12	28°33	0°17	17°22	10°28	M 3
T 4	8 56 7	15° 8'55	14° 3	0 <b>∺</b> 31	22°22	18°23	18°19	8°11	3°50	10° 5	8°13	28°30	0°14	17°29	10°29	T 4
W 5	9 0 4	16° 9'43	27°31	2° 7	23°38	19° 4	18°32	8°18	3°49	10° 4	8°15	28°D29	0°11	17°35	10°30	W 5
T 6	9 4 0	17°10'29	10 <b>Y</b> 34	3°40	24°53	19°44	18°46	8°24	3°47	10° 3	8°17	28°30	0° 8	17°42	10°31	T 6
F 7	9 7 57	18°11'14	23°14	5° 9	26° 8	20°25	18°59	8°30	3°45	10° 2	8°19	28°31	0° 5	17°49	10°32	F 7
S 8	9 11 53	19°11'57	5 <b>8</b> 34	6°34	27°23	21° 6	19°12	8°36	3°44	10° 1	8°21	28°33	0° 2	17°56	10°33	S 8
S 9	9 15 50	20°12'38	17°40	7°55	28°38	21°46	19°25	8°41	3°42	10° 1	8°23	28°R34	29 <b>米</b> 58	18° 2	10°35	S 9
M10	9 19 46	21°13'18	29°37	9°10	29°53	22°27	19°38	8°47	3°41	10° 0	8°24	28°33	29°55	18° 9	10°36	M10
T 11	9 23 43	22°13'56	11 <b>Ⅱ</b> 29	10°19	1 <b>)</b> 9	23° 8	19°51	8°53	3°39	9°59	8°26	28°31	29°52	18°16	10°37	T 11
W12	9 27 39	23°14'32	23°21	11°21	2°24	23°49	20° 3	8°59	3°38	9°58	8°28	28°28	29°49	18°22	10°39	W12
T 13	9 31 36	24°15'07	59917	12°16	3°39	24°29	20°16	9° 5	3°36	9°57	8°30	28°23	29°46	18°29	10°40	T 13
F 14	9 35 33	25°15'40	17°21	13° 2	4°54	25°10	20°29	9°10	3°35	9°56	8°32	28°17	29°42	18°36	10°42	F 14
S 15	9 39 29	26°16'11	29°35	13°40	6° 9	25°51	20°42	9°16	3°34	9°55	8°33	28°11	29°39	18°43	10°44	S 15
S 16	9 43 26	27°16'41	120 2	14° 8	7°24	26°32	20°54	9°21	3°32	9°53	8°35	28° 5	29°36	18°49	10°45	S 16
M17	9 47 22	28°17'09	24°42	14°26	8°39	27°12	21° 7	9°27	3°31	9°52	8°37	28° 1	29°33	18°56	10°47	M17
T 18	9 51 19	29°17'35	7 <b>m</b> 35	14°R34	9°54	27°53	21°19	9°32	3°30	9°51	8°39	27°58	29°30	19° 3	10°49	T 18
W19	9 55 15	0 <b>)</b> 18′00	20°41	14°32	11° 9	28°34	21°32	9°37	3°29	9°50	8°41	27°56	29°27	19°10	10°51	W19
T 20	9 59 12	1°18'23	3 <b>₾</b> 59	14°20	12°24	29°15	21°44	9°43	3°28	9°49	8°42	27°D56	29°23	19°16	10°53	T 20
F 21	10 3 8	2°18'44	17°30	13°59	13°39	2 <u>9</u> °56	21°56	9°48	3°27	9°48	8°44	27°57	29°20	19°23	10°55	F 21
S 22	10 7 5	3°19'04	1 <b>M</b> .11	13°28	14°53	0 <b>궁</b> 37	22° 8	9°53	3°26	9°46	8°46	27°59	29°17	19°30	10°57	S 22
S 23	10 11 1	4°19'23	15° 2	12°49	16° 8	1°18	22°21	9°58	3°25	9°45	8°47	28° 0	29°14	19°36	10°59	S 23
M24	10 14 58	5°19'40	29° 3	12° 3	17°23	1°59	22°33	10° 3	3°24	9°44	8°49	28°R 1	29°11	19°43	11° 1	M24
T 25	10 18 55	6°19'56	13 <b>×</b> 13	11°10	18°38	2°39	22°45	10° 8	3°23	9°43	8°51	28° 1	29° 8	19°50	11° 3	T 25
W26	10 22 51	7°20'10	2 <u>7</u> °29	10°13	19°53	3°20	22°57	10°13	3°23	9°41	8°53	28° 0	29° 4	19°57	11° 6	W26
T 27	10 26 48	8°20'23	11 <b>る</b> 49	9°12	21° 8	4° 1	23° 8	10°18	3°22	9°40	8°54	27°58	29° 1	20° 3	11° 8	T 27
F 28	10 30 44	9 <b>)</b> 20'35	26 <b>궁</b> 9	8 <b>)</b> 10	22 <b>) (</b> 22	4 <b>⋜</b> 42	23 <b>る</b> 20	10 <b>る</b> 23	3 <b>95</b> 21	9 <b>॒</b> 39	8 <b>≈</b> 56	27 <b>)</b> 55	28 <b>米</b> 58	20 <b>Ⅱ</b> 10	11810	F 28

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S 1	17s11	24 s 6	4s19	14s12	1 s14	16s35	1 s23	22 s41	0n 5	22 s24	0 s 6	22 s33	0n41	23n44	0n19	2 s34	1n34	24s 6	6s 3	0 s30	0n 9	27n50	13n 5	1 s59
S 2	16 54	19 25	3 29	13 29	1 5	16 12	1 24	22 46	0 4	22 22	0 6	22 33	0 41	23 44	0 19	2 34	1 34	24 5	6 3	0 32	0 8	27 51	13 6	1 59
M 3	16 37	13 43	2 27	12 45	0 56	15 49	1 25	22 51	0 3	22 21	0 6	22 33	0 41	23 44	0 19	2 34	1 34	24 5	6 3	0 35	0 7	27 52	13 6	1 59
T 4	16 19	7 28	1 17	12 1	0 46	15 25	1 25	22 55	0 3	22 19	0 6	22 32	0 41	23 44	0 19	2 33	1 34	24 4	6 3	0 36	0 6	27 53	13 6	1 59
W 5	16 1	1 4	0 5	11 17	0 35	15 1	1 26	22 59	0 2	22 17	0 6	22 32	0 41	23 44	0 19	2 33	1 34	24 4	6 3	0 36	0 4	27 53	13 7	1 59
T 6	15 42	5n11	1n 5	10 33	0 23	14 36	1 26	23 3	0 1	22 16	0 6	22 32	0 41	23 44	0 19	2 33	1 34	24 4	6 3	0 36	0 3	27 54	13 7	1 59
F 7	15 24	11 3	2 10	9 48	0 11	14 11	1 27	23 7	0 0	22 14	0 6	22 31	0 41	23 44	0 19	2 32	1 34	24 3	6 4	0 35	0 2	27 55	13 8	1 58
S 8	15 5	16 20	3 8	9 5	0n 2	13 45	1 27	23 11	0 s 1	22 12	0 7	22 31	0 41	23 44	0 19	2 32	1 34	24 3	6 4	0 35	0 1	27 56	13 8	1 58
S 9	14 46	20 53	3 55	8 22	0 16	13 20	1 27	23 14	0 1	22 10	0 7	22 31	0 41	23 44	0 19	2 31	1 34	24 2	6 4	0 34	0 s 1	27 57	13 8	1 58
M10	14 27	24 31	4 32	7 41	0 30	12 53	1 28	23 18	0 2	22 9	0 7	22 30	0 40	23 44	0 19	2 31	1 34	24 2	6 4	0 35	0 2	27 57	13 9	1 58
T 11	14 7	27 6	4 57	7 1	0 45	12 27	1 28	23 21	0 3	22 7	0 7	22 30	0 40	23 44	0 19	2 31	1 34	24 2	6 4	0 35	0 3	27 58	13 9	1 58
W12	13 47	28 27	5 10	6 23	1 0	12 0	1 28	23 23	0 4	22 5	0 7	22 30	0 40	23 44	0 19	2 30	1 34	24 1	6 4	0 37	0 4	27 59	13 10	1 58
T 13	13 27	28 30	5 9	5 48	1 16	11 33	1 28	23 26	0 5	22 3	0 7	22 29	0 40	23 44	0 19	2 30	1 34	24 1	6 4	0 39	0 6	28 0	13 10	1 58
F 14	13 7	27 12	4 54	5 16	1 31	11 5	1 28	23 29	0 6	22 1	0 7	22 29	0 40	23 44	0 19	2 29	1 34	24 0	6 4	0 41	0 7	28 1	13 11	1 58
S 15	12 47	24 36	4 26	4 47	1 47	10 38	1 28	23 31	0 7	22 0	0 7	22 28	0 40	23 44	0 19	2 29	1 35	24 0	6 4	0 44	0 8	28 1	13 11	1 58
S 16	12 26	20 48	3 45	4 22	2 3	10 10	1 28	23 33	0 8	21 58	0 7	22 28	0 40	23 44	0 19	2 28	1 35	24 0	6 5	0 46	0 10	28 2	13 12	1 58
M17	12 5	16 0	2 52	4 1	2 18	9 41	1 27	23 35	0 8	21 56	0 8	22 28	0 40	23 44	0 19	2 28	1 35	23 59	6 5	0 48	0 11	28 3	13 12	1 58
T 18	11 44	10 25	1 49	3 44	2 33	9 13	1 27	23 37	0 9	21 54	0 8	22 27	0 40	23 44	0 19	2 27	1 35	23 59	6 5	0 49	0 12	28 4	13 13	1 58
W19	11 23	4 18	0 40	3 32	2 47	8 44	1 27	23 38	0 10	21 52	0 8	22 27	0 40	23 44	0 19	2 27	1 35	23 59	6 5	0 49	0 13	28 4	13 14	1 58
T 20	11 1	2s 6	0s33	3 24	3 0	8 15	1 26	23 39	0 11	21 51	0 8	22 27	0 40	23 44	0 19	2 26	1 35	23 58	6 5	0 49	0 15	28 5	13 14	1 58
F 21	10 40	8 30	1 45	3 22	3 11	7 46	1 26	23 40	0 12	21 49	0 8	22 26	0 40	23 44	0 19	2 26	1 35	23 58	6 5	0 49	0 16	28 6	13 15	1 58
S 22	10 18	14 36	2 53	3 24	3 21	7 16	1 25	23 41	0 13	21 47	0 8	22 26	0 40	23 44	0 19	2 25	1 35	23 58	6 5	0 48	0 17	28 6	13 16	1 58
S 23	9 56	20 2	3 50	3 32	3 30	6 46	1 25	23 42	0 14	21 45	0 8	22 26	0 40	23 44	0 19	2 25	1 35	23 57	6 5	0 48	0 18	28 7	13 16	1 58
M24	9 34	24 27	4 35	3 43	3 36	6 17	1 24	23 42	0 15	21 43	0 8	22 25	0 40	23 44	0 19	2 24	1 35	23 57	6 6	0 47	0 20	28 8	13 17	1 58
T 25	9 12	27 27	5 4	3 59	3 41	5 47	1 23	23 43	0 16	21 41	0 8	22 25	0 40	23 44	0 19	2 24	1 35	23 57	6 6	0 47	0 21	28 9	13 18	1 58
W26	8 50	28 41	5 15	4 18	3 43	5 16	1 22	23 43	0 17	21 39	0 9	22 25	0 40	23 44	0 19	2 23	1 35	23 56	6 6	0 48	0 22	28 9	13 18	1 58
T 27	8 27	28 1	5 6	4 41	3 43	4 46	1 21	23 42	0 18	21 38	0 9	22 24	0 40	23 44	0 19	2 23	1 35	23 56	6 6	0 49	0 23	28 10	13 19	1 58
F 28	8s 5	25 s29	4s37	5s 6	3n41	4s16	1 s20	23 s42	0s19	21 s36	0s 9	22 s24	0n40	23n44	0n19	2 s22	1n35	23 s56	6s 6	0 s 5 0	0 s25	28n11	13n20	1 s58

Julian Day Number = 2372318.5, Delta T = 22.30 sec Ecliptic obliquity = 23°28'12, Nutation = 0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}42'42$ , Lahiri =  $20^{\circ}49'43$ Greg. Calendar

MARCH 1783 00:00 UT

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Day	Sid.t	0	D	ğ	·	ď	4	ħ	)∤(	¥	Р	₽.	v	Ç	ķ	Day
S 1	10 34 41	10 <b>)</b> € 20'45	10≈24	7°R 7	23 <b>)</b> 37	5 <b>る</b> 23	23 <b>る</b> 32	10 <b>ට</b> 27	3°R21	9°R37	8 <b>≈</b> 57	27°R53	28 <b>米</b> 55	20 <b>I</b> I7	11 <b>8</b> 13	S 1
S 2	10 38 37	11°20'53	24°31	6 <b>¥</b> 6	24°52	6° 4	23°43	10°32	3920	9 <b>ჲ</b> 36	8°59	27 <b>)</b> 51	28°52	20°23	11°15	S 2
M 3	10 42 34	12°20'59	8 <b>∺</b> 25	5° 7	26° 6	6°45	23°55	10°36	3°20	9°34	9° 1	27°49	28°48	20°30	11°18	M 3
T 4	10 46 31	13°21'03	22° 2	4°12	27°21	7°26	24° 6	10°41	3°19	9°33	9° 2	27°D48	28°45	20°37	11°20	T 4
W 5	10 50 27	14°21'05	5 <b>Υ</b> 20	3°21	28°36	8° 7	24°18	10°45	3°19	9°31	9° 4	27°48	28°42	20°44	11°23	W 5
T 6	10 54 24	15°21'06	18°18	2°36	29°50	8°48	24°29	10°49	3°18	9°30	9° 5	27°49	28°39	20°50	11°25	T 6
F 7	10 58 20	16°21'04	0 <b>ප</b> 57	1°56	1 <b>Υ</b> 5	9°29	24°40	10°54	3°18	9°29	9° 7	27°50	28°36	20°57	11°28	F 7
S 8	11 2 17	17°21'00	13°20	1°23	2°20	10°10	24°51	10°58	3°18	9°27	9° 9	27°51	28°33	21° 4	11°31	S 8
S 9	11 613	18°20'54	25°28	0°56	3°34	10°51	25° 2	11° 2	3°18	9°26	9°10	27°52	28°29	21°11	11°34	S 9
M10	11 10 10	19°20'46	7∏27	0°36	4°49	11°32	25°13	11° 6	3°18	9°24	9°12	27°53	28°26	21°17	11°37	M10
T 11	11 14 6	20°20'36	19°21	0°22	6° 3	12°13	25°24	11°10	3°18	9°22	9°13	27°R53	28°23	21°24	11°40	T 11
W12	11 18 3	21°20'23	19914	0°15	7°18	12°54	25°35	11°14	3°D18	9°21	9°15	27°53	28°20	21°31	11°42	W12
T 13	11 21 59	22°20'09	13°11	0°D14	8°32	13°35	25°45	11°17	3°18	9°19	9°16	27°52	28°17	21°37	11°45	T 13
F 14	11 25 56	23°19'52	25°16	0°19	9°46	14°16	25°56	11°21	3°18	9°18	9°17	27°52	28°14	21°44	11°48	F 14
S 15	11 29 53	24°19'32	7 <b>Ω</b> 34	0°29	11° 1	14°57	26° 6	11°25	3°18	9°16	9°19	27°51	28°10	21°51	11°52	S 15
S 16	11 33 49	25°19'11	20° 8	0°46	12°15	15°38	26°16	11°28	3°18	9°15	9°20	27°51	28° 7	21°58	11°55	S 16
M17	11 37 46	26°18'47	2 <b>m</b> 59	1° 7	13°29	16°19	26°27	11°31	3°18	9°13	9°22	27°51	28° 4	22° 4	11°58	M17
T 18	11 41 42	27°18'21	16° 8	1°33	14°44	17° 0	26°37	11°35	3°19	9°11	9°23	27°51	28° 1	22°11	12° 1	T 18
W19	11 45 39	28°17'53	29°36	2° 4	15°58	17°41	26°47	11°38	3°19	9°10	9°24	27°51	27°58	22°18	12° 4	W19
T 20	11 49 35	29°17'23	13 <b>₾</b> 20	2°39	17°12	18°22	26°56	11°41	3°20	9° 8	9°26	27°51	27°54	22°24	12° 7	T 20
F 21	11 53 32	0 <b>Υ</b> 16'51	27°19	3°18	18°26	19° 3	27° 6	11°44	3°20	9° 7	9°27	27°51	27°51	22°31	12°11	F 21
S 22	11 57 28	1°16'17	11 <b>M</b> 27	4° 1	19°40	19°44	27°16	11°47	3°21	9° 5	9°28	27°50	27°48	22°38	12°14	S 22
S 23	12 1 25	2°15'41	25°42	4°47	20°54	20°25	27°25	11°50	3°21	9° 3	9°29	27°50	27°45	22°45	12°18	S 23
M24	12 5 22	3°15'04	10 <b>×</b> 0	5°37	22° 8	21° 6	27°35	11°53	3°22	9° 2	9°31	27°49	27°42	22°51	12°21	M24
T 25	12 9 18	4°14'25	24°17	6°31	23°22	21°47	27°44	11°56	3°22	9° 0	9°32	27°49	27°39	22°58	12°24	T 25
W26	12 13 15	5°13'44	8 <b>云</b> 30	7°27	24°36	22°28	27°53	11°58	3°23	8°58	9°33	27°D49	27°35	23° 5	12°28	W26
T 27	12 17 11	6°13'01	22°37	8°26	25°50	23° 9	28° 2	12° 1	3°24	8°57	9°34	27°49	27°32	23°12	12°31	T 27
F 28	12 21 8	7°12'17	6≈36	9°28	27° 4	23°50	28°11	12° 3	3°25	8°55	9°35	27°50	27°29	23°18	12°35	F 28
S 29	12 25 4	8°11'30	20°25	10°32	28°18	24°31	28°20	12° 5	3°26	8°53	9°37	27°51	27°26	23°25	12°38	S 29
S 30	12 29 1	9°10'42	4 <b>)</b> € 3	11°39	29°32	2 <u>5</u> °12	2 <u>8°</u> 29	1 <u>2°</u> 8	3°27	8°52	9°38	27°52	27°23	23°32	12°42	S 30
M31	12 32 57	10 <b>°</b> 9'52	17 <b>米</b> 29	12 <b>)</b> 48	0 <b>8</b> 46	25 <b>る</b> 53	28 <b>궁</b> 37	12 <b>る</b> 10	3 <b>9</b> 528	8 <b>ჲ</b> 50	9 <b>≈</b> 39	27 <b>米</b> 52	27 <b>米</b> 19	23 <b>II</b> 38	12846	M31

Day	0	D	ğ	Q		3	2	ł	ħ	l	)į	ł(	¥		Р		n	Ω	Ç	ď	5
	decl	decl lat	decl lat	decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl la	ıt	decl	lat	decl	decl	decl	decl	lat
S 1	7 s42	21 s23 3 s5	2 5 s 3 3 31	n37 3 s45	1 s 19 23 s 42	0 s20	21 s34	0s 9	22 s24	0n40	23n44	0n19	2 s22	1n35	23 s55	6s 6	0 s51	0 s26	28n11	13n21	1 s58
S 2	7 19			31 3 15	1 18 23 41		21 32		22 23		23 44				23 55	6 7	0 51		28 12		1 58
M 3 T 4	6 56 6 33	10 3 1 4 3 39 0 3		23 2 44 13 2 13	1 17 23 40 1 16 23 39		21 30 21 28	0 9	_			0 19	-		23 55 23 55	6 7	0 52 0 52		28 12 28 13		1 58 1 58
W 5	6 10	2n45 0n4		-	1 15 23 37		21 26		22 23			0 19	-		23 54	6 7 6 7	0 52		28 14		1 58
T 6	5 47	8 54 1 5		-	1 13 23 36		21 24		22 22			0 19			23 54	6 7	0 52		28 14	-	1 58
F 7	5 24			38 0 40	1 12 23 34		21 23		22 22		23 44				23 54	6 7	0 52		28 15		1 58
S 8	5 0	19 27 3 4	6 8 45 2	24 0 9	1 11 23 32	0 27	21 21	0 10	22 21	0 40	23 44	0 19	2 17	1 35	23 54	6 8	0 51	0 35	28 15	13 26	1 58
S 9	4 37	23 29 4 2	8 9 8 2	10 0n22	1 9 23 30	0 28	21 19	0 10	22 21	0 40	23 44	0 19	2 17	1 35	23 53	6 8	0 51	0 36	28 16	13 27	1 58
M10	4 13			56 0 53	1 8 23 27		21 17		22 21	0 40					23 53	6 8	0 51		28 17		1 58
T 11	3 50	28 15 5 1	9 47 1	41 1 24	1 6 23 25	0 30	21 15	0 10	22 20	0 40	23 44	0 19	2 16	1 35	23 53	6 8	0 51	0 39	28 17	13 29	1 58
W12	3 26	28 44 5 1	5 10 3 1	26 1 55	1 4 23 22	0 32	21 13	0 10	22 20	0 40	23 44	0 19	2 15	1 35	23 53	6 8	0 51	0 40	28 18	13 30	1 58
T 13	3 3	27 53 5	5 10 17 1	12 2 26	1 3 23 19		21 11	0 10	22 20	0 40	-	0 19	2 14	1 35	23 52	6 8	0 51		28 18		1 58
F 14	2 39			58 2 57	1 1 23 16		21 10		22 19		23 44				23 52	6 9	0 51		28 19		1 58
S 15	2 15	22 20 4	4 10 38 0	44 3 27	0 59 23 13	0 35	21 8	0 11	22 19	0 40	23 44	0 19	2 13	1 35	23 52	6 9	0 51	0 44	28 19	13 33	1 58
S 16	1 52	17 52 3 1	4 10 45 0	30 3 58	0 57 23 9	0 36	21 6	0 11	22 19	0 40	23 44	0 19	2 12	1 35	23 52	6 9	0 51	0 45	28 20	13 34	1 58
M17	1 28	12 30 2 1	4 10 50 0	17 4 29	0 55 23 5	0 37		0 11		0 40		0 19	2 12	1 35	23 52	6 9	0 51		28 20		1 58
T 18	1 4	6 28 1			0 53 23 1	0 38		0 11			23 44	0 19			23 51	6 9	0 51		28 21		1 58
W19	0 41	0 1 0s1			0 51 22 57	0 40			22 18		23 44	0 19			23 51	6 10	0 51		28 21		1 58
T 20	0 17	6s34 1 2		21 6 0	0 49 22 53		20 59		22 18		23 44	0 19		1 36		6 10	0 51		28 22		1 58
F 21	0n 7	12 57 2 3		32 6 30	0 47 22 48	-	20 57		22 17		23 44	0 19			23 51	6 10	0 52		28 22		1 58
S 22	0 30	18 45 3 3	9 10 43 0	43 7 1	0 45 22 44	0 43	20 55	0 12	22 17	0 40	23 44	0 19	2 8	1 36	23 51	6 10	0 52		28 23		1 58
S 23				54 7 31	0 43 22 39		20 54		22 17		23 44	0 19			23 51	6 10	0 52		28 23		1 58
M24	1 18		2 10 27 1	4 8 0	0 41 22 34		20 52		22 17	0 40		0 19			23 50	6 11	0 52		28 24		1 58
T 25	1 41			13 8 30	0 38 22 28		20 50		22 16		23 44	0 19			23 50	6 11	0 52		28 24		
W26	2 5	28 22 5 1		22 8 59	0 36 22 23		20 49		22 16		23 44	0 19			23 50	6 11	0 52			13 44	1 58
T 27	-			31 9 28	0 34 22 17		20 47		22 16		23 44	0 19			23 50	6 11	0 52		28 25		1 58
F 28 S 29		22 38 4		38 9 57	0 31 22 12 0 29 22 6		20 45		22 16		23 44 23 44	0 19			23 50	6 11	0 52		28 26		1 58 1 58
	3 13	17 45 3 1	9 15 1	46 10 26	0 29 22 6	0 32	20 44	0 13	22 16	0 40	23 44	0 18	2 4	1 36	23 50	6 12	0 51		28 26		
S 30	3 39			53 10 55	0 26 21 59		20 42		22 15		23 44	0 18			23 50	6 12			28 26		
M31	4n 2	5 s 5 0 0 s 5	7 8 s 35 1	s59 11n23	0 s 24 21 s 53	0s54	20 s40	0 s13	22 s15	0n40	23n44	0n18	2 s 3	1n36	23 s50	6s12	0 s 5 1	1 s 4	28n27	13n49	1 s58

 $\label{eq:Julian Day Number = 2372346.5, Delta T = 22.30 sec} \\ Ecliptic obliquity = 23°28'12, Nutation = 0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°42'46, Lahiri = 20°49'47Greg. Calendar$ 

APRIL 1783 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	<del>¥</del>	В	n	v	Ç	Ŷ,	Day
T 1	12 36 54	11 <b>Y</b> 9'00	0 <b>Υ</b> 42	14 <b>)</b> 0	2 <b>8</b> 0	26 <b>궁</b> 34	28 <b>3</b> 46	12 <b>る</b> 12	3929	8°R49	9≈40	27°R52	27 <b>)</b> 16	23 <b>Ⅱ</b> 45	12849	T 1
W 2	12 40 51	12° 8'06	13°41	15°13	3°13	27°15	28°54	12°14	3°30	8 <b>≏</b> 47	9°41	27 <b>米</b> 52	27°13	23°52	12°53	W 2
T 3	12 44 47	13° 7'10	26°25	16°29	4°27	27°56	29° 2	12°16	3°31	8°45	9°42	27°51	27°10	23°59	12°57	T 3
F 4	12 48 44	14° 6'12	8 <b>8</b> 56	17°47	5°41	28°37	29°10	12°18	3°32	8°44	9°43	27°49	27° 7	24° 5	13° 1	F 4
S 5	12 52 40	15° 5'11	21°14	19° 6	6°55	29°18	29°18	12°19	3°33	8°42	9°44	27°46	27° 4	24°12	13° 4	S 5
S 6	12 56 37	16° 4'09	3Ⅲ21	20°28	8° 8	29°59	29°26	12°21	3°35	8°40	9°45	27°43	27° 0	24°19	13° 8	S 6
M 7	13 0 33	17° 3'04	15°20	21°51	9°22	0≈40	29°33	12°22	3°36	8°39	9°46	27°40	26°57	24°26	13°12	M 7
T 8	13 4 30	18° 1'58	27°14	23°16	10°35	1°21	29°41	12°24	3°38	8°37	9°47	27°38	26°54	24°32	13°16	T 8
W 9	13 8 26	19° 0'49	999 6	24°43	11°49	2° 2	29°48	12°25	3°39	8°35	9°47	27°37	26°51	24°39	13°20	W 9
T 10	13 12 23	19°59'37	21° 2	26°11	13° 2	2°43	29°55	12°26	3°41	8°34	9°48	27°D37	26°48	24°46	13°24	T 10
F 11	13 16 20	20°58'24	3 <b>N</b> 7	27°42	14°16	3°24	0≈ 2	12°27	3°42	8°32	9°49	27°37	26°45	24°52	13°28	F 11
S 12	13 20 16	21°57'08	15°24	29°14	15°29	4° 5	0° 9	12°28	3°44	8°31	9°50	27°38	26°41	24°59	13°31	S 12
S 13	13 24 13	22°55'49	27°58	0 <b>Ƴ</b> 47	16°42	4°46	0°16	12°29	3°45	8°29	9°51	27°40	26°38	25° 6	13°35	S 13
M14	13 28 9	23°54'29	10 <b>m</b> 53	2°22	17°56	5°26	0°22	12°30	3°47	8°27	9°51	27°41	26°35	25°13	13°39	M14
T 15	13 32 6	24°53'06	24°11	3°59	19° 9	6° 7	0°29	12°31	3°49	8°26	9°52	27°R42	26°32	25°19	13°43	T 15
W16	13 36 2	25°51'42	7 <b>≏</b> 53	5°38	20°22	6°48	0°35	12°31	3°51	8°24	9°53	27°42	26°29	25°26	13°47	W16
T 17	13 39 59	26°50'15	21°58	7°18	21°35	7°29	0°41	12°32	3°52	8°23	9°53	27°40	26°25	25°33	13°51	T 17
F 18	13 43 55	27°48'46	6ML21	9° 0	22°48	8° 9	0°47	12°32	3°54	8°21	9°54	27°37	26°22	25°39	13°55	F 18
S 19	13 47 52	28°47'16	20°59	10°44	24° 1	8°50	0°53	12°32	3°56	8°20	9°55	27°33	26°19	25°46	13°59	S 19
S 20	13 51 49	29°45'44	5 <b>₹</b> 42	12°29	25°14	9°31	0°58	12°33	3°58	8°18	9°55	27°28	26°16	25°53	14° 4	S 20
M21	13 55 45	0 <b>8</b> 44'10	20°25	14°16	26°27	10°12	1° 4	12°33	4° 0	8°17	9°56	27°24	26°13	26° 0	14° 8	M21
T 22	13 59 42	1°42'34	5 <b>る</b> 0	16° 4	27°40	10°52	1° 9	12°R33	4° 2	8°15	9°56	27°20	26°10	26° 6	14°12	T 22
W23	14 3 38	2°40'57	19°22	17°55	28°53	11°33	1°14	12°33	4° 4	8°14	9°57	27°18	26° 6	26°13	14°16	W23
T 24	14 7 35	3°39'19	3 <b>≈</b> 29	19°47	0 <b>I</b> 6	12°14	1°19	12°33	4° 6	8°12	9°57	27°D17	26° 3	26°20	14°20	T 24
F 25	14 11 31	4°37'39	17°18	21°40	1°19	12°54	1°24	12°32	4° 9	8°11	9°58	27°18	26° 0	26°27	14°24	F 25
S 26	14 15 28	5°35'57	0 <b>∺</b> 51	23°36	2°32	13°35	1°29	12°32	4°11	8° 9	9°58	27°19	25°57	26°33	14°28	S 26
S 27	14 19 24	6°34'13	14° 8	25°33	3°44	14°15	1°33	12°31	4°13	8° 8	9°59	27°21	25°54	26°40	14°32	S 27
M28	14 23 21	7°32'29	27°11	27°31	4°57	14°56	1°37	12°31	4°15	8° 6	9°59	27°R21	25°51	26°47	14°37	M28
T 29	14 27 18	8°30'42	10 <b>Y</b> 2	29°32	6°10	15°36	1°41	12°30	4°18	8° 5	9°59	27°21	25°47	26°53	14°41	T 29
W30	14 31 14	9 <b>8</b> 28'54	22 <b>Y</b> 40	1834	7 <b>Ⅱ</b> 22	16≈17	1≈45	12 <b>る</b> 29	4920	8 <b>요</b> 4	10≈ 0	27 <b>米</b> 18	25 <b>)</b> 44	27 <b>II</b> 0	14845	W30

Day	0	D	ğ	φ	ď	4	ŧ	l	) <sub>į</sub>	γ(	并	Р		n	Ω	Ç	ę,	
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl	lat	decl	lat	decl lat	decl la	at	decl	decl	decl	decl la	ıt
T 1	4n25	0n31 0n16					s13 22 s15		23n44					0 s51		28n27		1 s58
W 2	4 48	6 44 1 26					13 22 15		23 44	0 18	2 1 1 3			0 51				1 58
T 3	5 11	12 33 2 31	1				13 22 15		23 44	0 18	2 1 1 3		-	0 52				1 58
F 4 S 5	5 34 5 57	17 46 3 28 22 10 4 13			4 21 26 0 59 1 21 19 1		13 22 15 14 22 14	0 40	23 44 23 44	0 18 0 18	2 0 1 3 1 59 1 3			0 52 0 53		28 28 28 29		1 58 1 58
			0 30 2 2	22 13 40 0 1						0 18	1 39 1 3	3 23 49	0 13	0 33				
S 6		25 33 4 47	1 -				14 22 14		23 44	0 18	1 59 1 3		-	0 54		28 29		1 58
M 7	6 42		0 00 2 2				14 22 14	0 40		0 18	1 58 1 3		-	0 56		28 29		1 58
T 8	7 5	28 41 5 15					14 22 14		23 44		1 57 1 3			0 56		28 30		1 58
W 9 T 10		28 17 5 8 26 35 4 49	1 1				14 22 14 14 22 14		23 44 23 44	0 18 0 18	1 57 1 3 1 56 1 3		-		-	28 30 28 30		1 58 1 58
F 11		23 39 4 49					15 22 14		23 43	0 18	1 55 1 3		-	0 57		28 31		1 58
S 12	-	19 37 3 32					15 22 14		23 43	0 18			-			28 31		1 58
S 13	8 56						15 22 14		23 43		-		-		1 20		_	1 58
M14 T 15	9 17 9 39	8 54 1 31 2 37 0 19	1 -				15 22 14 15 22 13	0 40	23 43 23 43	0 18 0 18	1 54 1 3 1 53 1 3		-	0 55				1 58 1 58
W16	10 0	3 s 59 0 s 5 5					15 22 13		23 43	0 18	1 52 1 3			0 55		28 32	-	1 58
T 17		10 33 2 9	1 -	26 18 32 0 2			15 22 13	0 40		0 18	1 52 1 3		-			28 32		1 58
F 18	-	16 44 3 16	011.0				16 22 13		23 43	0 18	1 51 1 3					28 32		1 58
S 19	11 3	22 3 4 11					16 22 13		23 43	0 18			6 17			28 33		1 59
S 20	11 24	26 2 4 49	2 51 2	16 19 35 0 3	0 19 12 1 22	2 20 14 0	16 22 13	0.39	23 43	0 18	1 50 1 3	5 23 49	6 17	1 0	1 29	28 33	14 11	1 59
M21	11 45			11 19 55 0 3			16 22 13		23 43		1 49 1 3			1 2		28 33		1 59
T 22	12 5	28 31 5 9		6 20 14 0 3			16 22 13		23 43		1 49 1 3		6 17	1 4		28 33		1 59
W23	12 25	26 50 4 49	5 11 2	0 20 33 0 3	8 18 43 1 20	20 11 0	16 22 13	0 39	23 43	0 18	1 48 1 3	5 23 50	6 18	1 4	1 33	28 34	14 15	1 59
T 24	12 45	23 29 4 12	5 59 1 5	54 20 52 0 4	1 18 33 1 28	20 10 0	17 22 13	0 39	23 43	0 18	1 48 1 3	5 23 50	6 18	1 5	1 34	28 34	14 16	1 59
F 25	13 5	18 51 3 20	6 47 1 4	48 21 9 0 4	3 18 23 1 29	20 9 0	17 22 13	0 39	23 43	0 18	1 47 1 3	5 23 50	6 18	1 5	1 36	28 34	14 17	1 59
S 26	13 24	13 21 2 19	7 37 1 4	41 21 27 0 4	6 18 13 1 3	20 8 0	17 22 14	0 39	23 43	0 18	1 47 1 3	5 23 50	6 18	1 4	1 37	28 34	14 18	1 59
S 27	13 44	7 21 1 11	8 26 1 3	33 21 43 0 4	9 18 3 1 32	2 20 7 0	17 22 14	0 39	23 42	0 18	1 46 1 3	5 23 50	6 18	1 3	1 38	28 34	14 20	1 59
M28	14 3	1 8 0 1	9 17 1 2	25 22 0 0 5	1 17 52 1 34	20 6 0	17 22 14	0 39	23 42	0 18	1 46 1 3	5 23 50	6 19	1 3	1 39	28 34	14 21	1 59
T 29	14 22	5n 1 1n 8	3 10 7 1	17 22 15 0 5	4 17 42 1 3	20 6 0	17 22 14	0 39	23 42	0 18	1 45 1 3	5 23 50	6 19	1 3	1 41	28 35	14 22	1 59
W30	14n40	10n53 2n13	10n58 1s	8 22n30 0n5	7 17 s31 1 s3'	20s 5 0s	s18 22 s14	0n39	23n42	0n18	1 s44 1n3	5 23 s51	6s19	1 s 5	1 s42	28n35	14n23	1 s59

Julian Day Number = 2372377.5, Delta T = 22.30 sec Ecliptic obliquity =  $23^{\circ}28'13$ , Nutation =  $0^{\circ}00'01$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}42'50$ , Lahiri =  $20^{\circ}49'51$ Greg. Calendar

MAY 1783 00:00 UT

11/41	1703														00.00	0 0 1
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	В	N.	v	Ç	Ŗ	Day
T 1	14 35 11	10827'04	5 <b>8</b> 8	3 <b>8</b> 37	8П35	16≈57	1≈49	12°R29	49523	8°R 2	10≈ 0	27°R13	25 <b>)</b> (41	27 <b>II</b> 7	14849	T 1
F 2	14 39 7	11°25'13	17°27	5°42	9°47	17°37	1°53	12る28	4°25	8 <b>º</b> 1	10° 0	27 <b>米</b> 6	25°38	27°14	14°53	F 2
S 3	14 43 4	12°23'20	29°36	7°48	11° 0	18°18	1°56	12°27	4°28	8° 0	10° 0	26°58	25°35	27°20	14°57	S 3
S 4	14 47 0	13°21'25	11 <b>Ⅲ</b> 38	9°56	12°12	18°58	1°59	12°25	4°30	7°58	10° 1	26°50	25°31	27°27	15° 2	S 4
M 5	14 50 57	14°19'29	23°34	12° 4	13°25	19°38	2° 2	12°24	4°33	7°57	10° 1	26°41	25°28	27°34	15° 6	M 5
T 6	14 54 53	15°17'30	5926	14°13	14°37	20°18	2° 5	12°23	4°35	7°56	10° 1	26°33	25°25	27°41	15°10	T 6
W 7	14 58 50	16°15'30	17°18	16°24	15°49	20°59	2° 8	12°22	4°38	7°55	10° 1	26°27	25°22	27°47	15°14	W 7
T 8	15 2 47	17°13'28	29°12	18°34	17° 1	21°39	2°10	12°20	4°41	7°54	10° 1	26°24	25°19	27°54	15°18	T 8
F 9	15 6 43	18°11'25	11 <b>Ω</b> 14	20°45	18°14	22°19	2°13	12°18	4°43	7°52	10° 1	26°22	25°16	28° 1	15°22	F 9
S 10	15 10 40	19° 9'19	23°28	22°56	19°26	22°58	2°15	12°17	4°46	7°51	10° 1	26°D22	25°12	28° 7	15°27	S 10
S 11	15 14 36	20° 7'12	5 <b>m</b> 59	25° 6	20°38	23°38	2°17	12°15	4°49	7°50	10°R 1	26°22	25° 9	28°14	15°31	S 11
M12	15 18 33	21° 5'02	18°51	27°16	21°50	24°18	2°19	12°13	4°52	7°49	10° 1	26°23	25° 6	28°21	15°35	M12
T 13	15 22 29	22° 2'51	2 <b>₾</b> 9	29°25	23° 2	24°58	2°20	12°11	4°55	7°48	10° 1	26°R23	25° 3	28°28	15°39	T 13
W14	15 26 26	23° 0'39	15°55	1 <b>Ⅲ</b> 32	24°13	25°38	2°22	12° 9	4°57	7°47	10° 1	26°22	25° 0	28°34	15°43	W14
T 15	15 30 22	23°58'25	OM 9	3°38	25°25	26°17	2°23	12° 7	5° 0	7°46	10° 1	26°18	24°56	28°41	15°48	T 15
F 16	15 34 19	24°56'09	14°47	5°43	26°37	26°57	2°24	12° 5	5° 3	7°45	10° 1	26°12	24°53	28°48	15°52	F 16
S 17	15 38 16	25°53'52	29°44	7°46	27°49	27°36	2°25	12° 2	5° 6	7°44	10° 1	26° 4	24°50	28°54	15°56	S 17
S 18	15 42 12	26°51'33	14 <b>×</b> 751	9°46	29° 0	28°16	2°25	12° 0	5° 9	7°43	10° 1	25°55	24°47	29° 1	16° 0	S 18
M19	15 46 9	27°49'14	29°57	11°44	09512	28°55	2°26	11°58	5°12	7°42	10° 1	25°46	24°44	29° 8	16° 4	M19
T 20	15 50 5	28°46'53	14 <b>る</b> 53	13°40	1°23	29°35	2°26	11°55	5°15	7°41	10° 0	25°39	24°41	29°15	16° 8	T 20
W21	15 54 2	29°44'31	29°32	15°33	2°35	0 <b>) (</b> 14	2°R26	11°52	5°18	7°40	10° 0	25°33	24°37	29°21	16°12	W21
T 22	15 57 58	0∏42'09	13≈48	17°24	3°46	0°53	2°26	11°50	5°21	7°39	10° 0	25°30	24°34	29°28	16°16	T 22
F 23	16 1 55	1°39'45	27°40	19°12	4°58	1°32	2°26	11°47	5°25	7°38	9°59	25°D29	24°31	29°35	16°21	F 23
S 24	16 5 51	2°37'20	11 <b>米</b> 8	20°57	6° 9	2°11	2°25	11°44	5°28	7°38	9°59	25°29	24°28	29°42	16°25	S 24
S 25	16 9 48	3°34'54	24°16	22°39	7°20	2°50	2°24	11°41	5°31	7°37	9°59	25°R29	24°25	29°48	16°29	S 25
M26	16 13 45	4°32'28	7 <b>⋎</b> 5	24°18	8°31	3°29	2°24	11°38	5°34	7°36	9°58	25°29	24°22	29°55	16°33	M26
T 27	16 17 41	5°30'00	19°40	25°54	9°42	4° 8	2°22	11°35	5°37	7°35	9°58	25°26	24°18	0ණ 2	16°37	T 27
W28	16 21 38	6°27'32	2 <b>8</b> 3	27°27	10°53	4°46	2°21	11°32	5°41	7°35	9°58	25°21	24°15	0° 8	16°41	W28
T 29	16 25 34	7°25'03	14°17	28°57	12° 4	5°25	2°20	11°29	5°44	7°34	9°57	25°13	24°12	0°15	16°45	T 29
F 30	16 29 31	8°22'33	26°24	0925	13°15	6° 3	2°18	11°26	5°47	7°33	9°57	25° 3	24° 9	0°22	16°49	F 30
S 31	16 33 27	9∏20'02	8Ⅲ24	19549	149526	6 <b>)</b> €42	2≈16	11 <b>る</b> 22	5 <b>9</b> 51	7 <b>≏</b> 33	9≈56	24 <b>米</b> 51	24 <b>∺</b> 6	0929	16 <b>8</b> 53	S 31

Day	0	J	)	ζ	5	Q		ď	7	2	+	ħ	<u> </u>	);	<del>β</del> (	并		2	n	S	Ç	ď	;
	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	14n59	-	-	11n49		22n44		17 s20		20s 4		22 s14		23n42			n35 23 s51	6s19	1 s 6	-	28n35		1 s59
F 2	15 17	20 51	3 57	12 40	0 49	22 58	1 2	17 9	1 40	20 4	0 18	22 14	0 39	23 42	0 18	1 43 1	35 23 51	6 20	1 9	1 44	28 35	14 25	1 59
S 3	15 34	24 32	4 33	13 30	0 40	23 11	1 4	16 58	1 42	20 3	0 18	22 14	0 39	23 42	0 18	1 43 1	35 23 51	6 20	1 12	1 46	28 35	14 26	1 59
S 4	15 52			14 21		23 23		16 47	1 43	-		22 14		23 42			35 23 51	6 20	1 16		28 35	-	2 0
M 5	16 9	28 25	5 6	15 10	0 19	23 35	1 9	16 36	1 45	20 2	0 19	22 14	0 39	23 42	0 18	1 42 1	35 23 52	6 20	1 19	1 48	28 35	14 29	2 0
T 6	16 27	28 24	5 3	15 59	0 9	23 46	1 12	16 25	1 46	20 1	0 19	22 15	0 39	23 42	0 18	1 42 1	35 23 52	6 21	1 22	-	28 35		2 0
W 7	16 43	27 6	4 47	16 47	0n 2	23 57	1 14	16 14	1 48	20 1	0 19	22 15	0 39	23 42	0 18	1 41 1	35 23 52	6 21	1 25	1 51	28 35	14 31	2 0
T 8	17 0	24 33	4 18	17 34	0 12	24 6	1 17	16 2	1 50	20 1	0 19	22 15	0 39	23 41	0 18	1 41 1	35 23 52	6 21	1 26	1 52	28 36	14 32	2 0
F 9	17 16	20 55	3 38	18 20	0 23	24 15	1 19	15 51	1 51	20 0	0 19	22 15	0 39	23 41	0 18	1 40 1	35 23 52	6 21	1 27	1 53	28 36	14 33	2 0
S 10	17 32	16 21	2 47	19 4	0 33	24 24	1 21	15 39	1 53	20 0	0 19	22 15	0 39	23 41	0 18	1 40 1	35 23 53	6 22	1 27	1 54	28 36	14 34	2 0
S 11	17 48	10 59	1 47	19 46	0 44	24 32	1 23	15 28	1 55	20 0	0 20	22 15	0 39	23 41	0 18	1 39 1	35 23 53	6 22	1 27	1 56	28 36	14 35	2 0
M12	18 3	5 2	0 40	20 26	0 54	24 39	1 26	15 16	1 56	20 0	0 20	22 16	0 39	23 41	0 18	1 39 1	35 23 53	6 22	1 26	1 57	28 36	14 37	2 0
T 13	18 18	1 s20	0s31	21 5	1 3	24 45	1 28	15 4	1 58	19 59	0 20	22 16	0 39	23 41	0 18	1 39 1	35 23 53	6 22	1 26	1 58	28 36	14 38	2 0
W14	18 33	7 51	1 43	21 41	1 12	24 50	1 30	14 52	2 0	19 59	0 20	22 16	0 39	23 41	0 18	1 38 1	35 23 54	6 23	1 27	1 59	28 36	14 39	2 0
T 15	18 47	14 12	2 50	22 14	1 21	24 55	1 32	14 40	2 1	19 59	0 20	22 16	0 39	23 41	0 18	1 38 1	35 23 54	6 23	1 28	2 1	28 36	14 40	2 1
F 16	19 2	19 56	3 49	22 45	1 29	25 0	1 34	14 28	2 3	19 59	0 21	22 16	0 39	23 41	0 18	1 37 1	35 23 54	6 23	1 31	2 2	28 36	14 41	2 1
S 17	19 15	24 33	4 33	23 13	1 37	25 3	1 36	14 16	2 5	19 59	0 21	22 17	0 39	23 41	0 18	1 37 1	35 23 54	6 23	1 34	2 3	28 36	14 42	2 1
S 18	19 29	27 33	4 58	23 39	1 44	25 6	1 38	14 4	2 6	19 59	0 21	22 17	0 39	23 40	0 18	1 37 1	35 23 55	6 24	1 38	2 5	28 36	14 43	2 1
M19	19 42	28 31	5 3	24 2	1 50	25 8	1 40	13 52	2 8	19 59	0 21	22 17	0 39	23 40	0 18	1 36 1	35 23 55	6 24	1 41	2 6	28 36	14 44	2 1
T 20	19 55	27 23	4 47	24 23	1 56	25 9	1 41	13 40	2 10	19 59	0 21	22 17	0 39	23 40	0 18	1 36 1	35 23 55	6 24	1 44	2 7	28 36	14 45	2 1
W21	20 7	24 23	4 12	24 41	2 1	25 10	1 43	13 27	2 11	19 59	0 22	22 18	0 39	23 40	0 18	1 36 1	35 23 56	6 24	1 46	2 8	28 36	14 46	2 1
T 22	20 19	19 56	3 23	24 56	2 5	25 10	1 45	13 15	2 13	20 0	0 22	22 18	0 39	23 40	0 18	1 35 1	35 23 56	6 25	1 48	2 10	28 36	14 47	2 1
F 23	20 31	14 32	2 22	25 9	2 8	25 9	1 46	13 3	2 15	20 0	0 22	22 18	0 39	23 40	0 18	1 35 1	35 23 56	6 25	1 48	2 11	28 36	14 48	2 1
S 24	20 43	8 34	1 16	25 20	2 10	25 7	1 48	12 50	2 17	20 0	0 22	22 19	0 39	23 40	0 18	1 35 1	35 23 56	6 25	1 48	2 12	28 36	14 49	2 2
S 25	20 54	2 23	0 7	25 28	2 12	25 5	1 49	12 38	2 18	20 1	0 22	22 19	0 39	23 40	0 18	1 35 1	35 23 57	6 25	1 48	2 13	28 36	14 51	2 2
M26	21 5	3n45	1n 1	25 34	2 13	25 2	1 51	12 25	2 20	20 1	0 23	22 19	0 39	23 39	0 18	1 34 1	35 23 57	6 26	1 48	2 15	28 35	14 52	2 2
T 27	21 15	9 37	2 5	25 38	2 13	24 59	1 52	12 13	2 22	20 1	0 23	22 19	0 39	23 39	0 18	1 34 1	35 23 57	6 26	1 49	2 16	28 35	14 53	2 2
W28	21 25	15 2	3 1	25 39	2 13	24 54	1 53	12 0	2 24	20 2	0 23	22 20	0 38	23 39	0 18	1 34 1	35 23 58	6 26	1 51	2 17	28 35	14 54	2 2
T 29	21 35	19 46	3 48	25 39	2 11	24 49	1 54	11 48	2 26	20 2	0 23	22 20	0 38	23 39	0 18	1 34 1	34 23 58	6 26	1 54	2 18	28 35	14 55	2 2
F 30	21 44	23 39	4 24	25 37	2 9	24 43	1 56	11 35	2 27	20 3	0 23	22 20	0 38	23 39	0 18	1 33 1	34 23 59	6 27	1 58	2 20	28 35	14 56	2 2
S 31	21n53	26n29	4n48	25n33	2n 6	24n37	1n57	11 s22	2 s 2 9	20s 4	0 s23	22 s21	0n38	23n39	0n18	1 s33	n34 23 s59	6 s 2 7	2 s 3	2s21	28n35	14n57	2 s 2
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Julian Day Number = 2372407.5, Delta T = 22.29 sec Ecliptic obliquity =  $23^{\circ}28'12$ , Nutation = -  $0^{\circ}00'00$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}42'55$ , Lahiri =  $20^{\circ}49'55$ Greg. Calendar

JUNE 1783 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	¥	В	S.	ß	Ç	Ŗ	Day
S 1	16 37 24	10 <b>Ⅱ</b> 17'30	20∏20	395 9	15937	7 <b>∺</b> 20	2°R14	11°R19	5954	7°R32	9°R56	24°R37	24 <b>)</b> 2	0935	16 <b>8</b> 57	S 1
M 2	16 41 20	11°14'57	29513	4°27	16°47	7°58	2≈12	11 <b>궁</b> 15	5°57	7 <b>≙</b> 32	9≈55	24 <b>)</b> 24	23°59	0°42	17° 1	M 2
T 3	16 45 17	12°12'23	14° 4	5°42	17°58	8°36	2°10	11°12	6° 1	7°31	9°55	24°12	23°56	0°49	17° 4	T 3
W 4	16 49 14	13° 9'49	25°56	6°53	19° 9	9°14	2° 7	11°8	6° 4	7°31	9°54	24° 2	23°53	0°56	17° 8	W 4
T 5	16 53 10	14° 7'13	7 <b>Ω</b> 51	8° 1	20°19	9°51	2° 4	11° 5	6° 7	7°30	9°53	23°55	23°50	1° 2	17°12	T 5
F 6	16 57 7	15° 4'35	19°52	9° 5	21°29	10°29	2° 1	11° 1	6°11	7°30	9°53	23°50	23°47	1° 9	17°16	F 6
S 7	17 1 3	16° 1'57	2 m 5	10° 6	22°40	11° 7	1°58	10°57	6°14	7°29	9°52	23°48	23°43	1°16	17°20	S 7
S 8	17 5 0	16°59'18	14°33	11° 4	23°50	11°44	1°55	10°53	6°18	7°29	9°51	23°48	23°40	1°22	17°24	S 8
M 9	17 8 56	17°56'38	27°21	11°58	25° 0	12°21	1°51	10°50	6°21	7°29	9°51	23°48	23°37	1°29	17°27	M 9
T 10	17 12 53	18°53'57	10 <b>≏</b> 34	12°48	26°10	12°58	1°48	10°46	6°25	7°28	9°50	23°47	23°34	1°36	17°31	T 10
W11	17 16 49	19°51'14	24°15	13°34	27°20	13°35	1°44	10°42	6°28	7°28	9°49	23°45	23°31	1°43	17°35	W11
T 12	17 20 46	20°48'31	8M26	14°17	28°30	14°12	1°40	10°38	6°32	7°28	9°48	23°40	23°28	1°49	17°39	T 12
F 13	17 24 43	21°45'48	23° 5	14°55	29°40	14°48	1°36	10°34	6°35	7°28	9°48	23°33	23°24	1°56	17°42	F 13
S 14	17 28 39	22°43'03	8 <b>.</b> ₹8	15°29	0 <b>Ω</b> 49	15°25	1°31	10°30	6°39	7°28	9°47	23°23	23°21	2° 3	17°46	S 14
S 15	17 32 36	23°40'18	23°24	16° 0	1°59	16° 1	1°27	10°26	6°42	7°28	9°46	23°13	23°18	2° 9	17°49	S 15
M16	17 36 32	24°37'33	8 <b>云</b> 43	16°25	3° 8	16°37	1°22	10°21	6°46	7°27	9°45	23° 2	23°15	2°16	17°53	M16
T 17	17 40 29	25°34'47	23°54	16°47	4°18	17°13	1°18	10°17	6°49	7°27	9°44	22°53	23°12	2°23	17°57	T 17
W18	17 44 25	26°32'00	8≈47	17° 4	5°27	17°49	1°13	10°13	6°53	7°27	9°43	22°46	23° 9	2°30	18° 0	W18
T 19	17 48 22	27°29'14	23°16	17°16	6°36	18°25	1° 8	10° 9	6°57	7°D27	9°42	22°41	23° 5	2°36	18° 4	T 19
F 20	17 52 19	28°26'27	7 <b>)</b> €16	17°24	7°45	19° 0	1° 2	10° 5	7° 0	7°27	9°41	22°39	23° 2	2°43	18° 7	F 20
S 21	17 56 15	29°23'40	20°49	17°R27	8°54	19°35	0°57	10° 0	7° 4	7°27	9°40	22°39	22°59	2°50	18°10	S 21
S 22	18 0 12	09520'53	3 <b>Y</b> 56	17°26	10° 3	20°11	0°51	9°56	7° 7	7°27	9°39	22°39	22°56	2°57	18°14	S 22
M23	18 4 8	1°18'06	16°42	17°20	11°12	20°45	0°46	9°52	7°11	7°28	9°38	22°38	22°53	3° 3	18°17	M23
T 24	18 8 5	2°15'19	29°10	17°10	12°21	21°20	0°40	9°47	7°15	7°28	9°37	22°36	22°49	3°10	18°21	T 24
W25	18 12 1	3°12'32	11825	16°56	13°29	21°54	0°34	9°43	7°18	7°28	9°36	22°31	22°46	3°17	18°24	W25
T 26	18 15 58	4° 9'45	23°30	16°37	14°38	22°29	0°28	9°39	7°22	7°28	9°35	22°23	22°43	3°23	18°27	T 26
F 27	18 19 54	5° 6'58	5 <b>Ⅱ</b> 29	16°15	15°46	23° 3	0°22	9°34	7°25	7°28	9°34	22°13	22°40	3°30	18°30	F 27
S 28	18 23 51	6° 4'11	17°24	15°49	16°54	23°36	0°15	9°30	7°29	7°29	9°33	22° 1	22°37	3°37	18°33	S 28
S 29	18 27 48	7° 1'24	29°16	15°20	18° 2	24°10	0° 9	9°25	7°33	7°29	9°32	21°47	22°34	3°44	18°37	S 29
M30	18 31 44	7958'37	1195 8	149548	$19\Omega10$	24 <b>) (</b> 43	0≈ 2	9 <b>ට</b> 21	7936	7 <b>₽</b> 29	9≈31	21 <b>米</b> 34	22 <b>)</b> 30	3950	18840	M30

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S 1	22n 1	28n 6	4n59	25n28		24n30		11 s10		20s 4		22 s21	0n38	23n39	0n18	1 s33	1n34	23 s59	6 s 2 7	2 s 8		28n35		2 s 3
M 2	22 9			25 21		24 22		10 57		20 5		22 21		23 38		1 33	1 34		6 27	2 14		28 35		2 3
T 3		27 25	-	25 12	1 52			10 45	2 35			22 22		23 38		1 33	1 34		6 27	2 18		28 35		2 3
W 4	22 24		4 16		1 46	-	2 0		2 36		0 24			23 38		1 33	1 34	-	6 28	2 22		28 34	15 0	2 3
T 5		21 50		24 52	1 39		2 0							23 38		1 32	1 34		6 28	2 25		28 34		2 3
F 6	22 38			24 40	1 31	_	2 1	10 7	2 40			22 23		23 38		1 32	1 34		6 28	2 27		28 34		2 3
S 7	22 44	12 30	1 52	24 27	1 22	23 33	2 1	9 54	2 42	20 9	0 25	22 23	0 38	23 38	0 18	1 32	1 34	24 2	6 28	2 28	2 30	28 34	15 3	2 3
S 8	22 50	6 50	0 49	24 13	1 13	23 22	2 2	9 42	2 44	20 10	0 25	22 24	0 38	23 37	0 18	1 32	1 34	24 2	6 29	2 28	2 31	28 34	15 4	2 3
M 9	22 55	0 46	0s19	23 59	1 3	23 9	2 2	9 29	2 46	20 11	0 25	22 24	0 38	23 37	0 18	1 32	1 34	24 2	6 29	2 28	2 32	28 34	15 5	2 4
T 10	23 0	5 s32	1 27	23 44	0 53	22 56	2 2	9 17	2 47	20 12	0 25	22 24	0 38	23 37	0 18	1 32	1 34	24 3	6 29	2 28	2 33	28 33	15 6	2 4
W11	23 5	11 48	2 33	23 28	0 41	22 43	2 2	9 4	2 49	20 13	0 26	22 25	0 38	23 37	0 18	1 32	1 34	24 3	6 29	2 29	2 35	28 33	15 7	2 4
T 12	23 9	17 41	3 32	23 11	0 29	22 29	2 2	8 51	2 51	20 14	0 26	22 25	0 38	23 37	0 18	1 32	1 34	24 4	6 29	2 31	2 36	28 33	15 8	2 4
F 13	23 13	22 45	4 19	22 55	0 17	22 14	2 2	8 39	2 53	20 15	0 26	22 25	0 38	23 37	0 18	1 32	1 34	24 4	6 30	2 34	2 37	28 33	15 9	2 4
S 14	23 16	26 27	4 50	22 38	0 4	21 59	2 2	8 27	2 55	20 16	0 26	22 26	0 38	23 36	0 18	1 32	1 34	24 4	6 30	2 38	2 39	28 32	15 10	2 4
S 15	23 19	28 18	5 0	22 20	0s10	21 43	2 1	8 14	2 57	20 18	0 26	22 26	0 38	23 36	0 18	1 32	1 34	24 5	6 30	2 42	2 40	28 32	15 10	2 5
M16	23 22	27 59	4 49	22 3	0 25	21 27	2 1	8 2	2 59	20 19	0 27	22 27	0 37	23 36	0 18	1 32	1 34	24 5	6 30	2 46	2 41	28 32	15 11	2 5
T 17	23 24	25 35	4 18	21 46	0 39	21 10	2 1	7 49	3 1	20 20	0 27	22 27	0 37	23 36	0 18	1 32	1 34	24 6	6 31	2 50	2 42	28 32	15 12	2 5
W18	23 25	21 27	3 29	21 29	0 55	20 52	2 0	7 37	3 2	20 21	0 27	22 27	0 37	23 36	0 18	1 32	1 34	24 6	6 31	2 53	2 44	28 31	15 13	2 5
T 19	23 27	16 7	2 28	21 12	1 10	20 34	1 59	7 25	3 4	20 23	0 27	22 28	0 37	23 36	0 18	1 32	1 34	24 7	6 31	2 54	2 45	28 31	15 14	2 5
F 20	23 28	10 6	1 20	20 55	1 26	20 16	1 58	7 13	3 6	20 24	0 27	22 28	0 37	23 35	0 18	1 32	1 34	24 7	6 31	2 55	2 46	28 31	15 14	2 5
S 21	23 28	3 48	0 10	20 38	1 42	19 57	1 58	7 1	3 8	20 25	0 28	22 29	0 37	23 35	0 18	1 32	1 33	24 8	6 31	2 55	2 47	28 30	15 15	2 6
S 22	23 28	2n29	0n59	20 22	1 58	19 37	1 57	6 48	3 10	20 27	0 28	22 29	0 37	23 35	0 18	1 32	1 33	24 8	6 32	2 55	2 49	28 30	15 16	2 6
M23	23 28	8 28	2 3	20 7	2 15	19 17	1 55	6 36	3 12	20 28	0 28	22 29	0 37	23 35	0 18	1 32	1 33	24 8	6 32	2 56	2 50	28 30	15 17	2 6
T 24	23 27	14 0	3 0	19 52	2 31	18 57	1 54	6 24	3 14	20 30	0 28	22 30	0 37	23 35	0 18	1 32	1 33	24 9	6 32	2 57	2 51	28 30	15 17	2 6
W25	23 26	18 53	3 47	19 38	2 47	18 36	1 53	6 13	3 16	20 31	0 28	22 30	0 37	23 34	0 18	1 32	1 33	24 9	6 32	2 59	2 52	28 29	15 18	2 6
T 26	23 24	22 55	4 24	19 25	3 2	18 15	1 51	6 1	3 18	20 32	0 29	22 31	0 37	23 34	0 18	1 32	1 33	24 10	6 32	3 2	2 54	28 29	15 19	2 6
F 27	23 22	25 58	4 48	19 13	3 17	17 53	1 50	5 49	3 20	20 34	0 29	22 31	0 37	23 34	0 18	1 33	1 33	24 10	6 32	3 6	2 55	28 29	15 20	2 7
S 28	23 20	27 50	4 59	19 2	3 32	17 31	1 48	5 37	3 21	20 36	0 29	22 31	0 37	23 34	0 18	1 33	1 33	24 11	6 33	3 10	2 56	28 28	15 20	2 7
S 29	23 17	28 26	4 58	18 52	3 45	17 8	1 47	5 26	3 23	20 37	0 29	22 32	0 36	23 34	0 18	1 33	1 33	24 11	6 33	3 16	2 57	28 28	15 21	2 7
M30	23n14	27n42	4n43	18n42	3 s 5 8	16n45	1n45	5 s14	3 s25	20 s39	0 s29	22 s32	0n36	23n33	0n18	1 s33	1n33	24s12	6 s 3 3	$3\mathrm{s}21$	2 s59	28n27	15n22	2 s 7

 $\label{eq:Julian Day Number = 2372438.5, Delta T = 22.29 sec} \\ Ecliptic obliquity = 23°28'11, Nutation = 0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°42'59, Lahiri = 20°49'59Greg. Calendar$ 

JULY 1783 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ұ(	卉	Р	ß	Ω	Ç	<b>к</b> 0	Day
T 1	18 35 41	8955'50	2395 0	14°R14	20№18	25 <b>)</b> 16	29°R56	9°R17	79540	7 <b>≏</b> 30	9°R30	21°R22	22 <b>)</b> 27	3957	18 <b>8</b> 43	T 1
W 2	18 39 37	9°53'03	4 <b>Ω</b> 55	13938	21°26	25°49	29 <b>궁</b> 49	9 <b>る</b> 12	7°44	7°30	9≈29	21 <b>)</b> 12	22°24	4° 4	18°46	W 2
T 3	18 43 34	10°50'16	16°54	13° 1	22°34	26°21	29°42	9° 8	7°47	7°31	9°28	21° 5	22°21	4°10	18°49	T 3
F 4	18 47 30	11°47'29	29° 0	12°24	23°41	26°54	29°35	9° 3	7°51	7°31	9°26	21° 1	22°18	4°17	18°52	F 4
S 5	18 51 27	12°44'41	11 <b>M</b> 16	11°46	24°48	27°25	29°28	8°59	7°54	7°32	9°25	20°58	22°15	4°24	18°54	S 5
S 6	18 55 23	13°41'54	23°46	11°10	25°56	27°57	29°21	8°54	7°58	7°32	9°24	20°D58	22°11	4°31	18°57	S 6
M 7	18 59 20	14°39'06	6 <b>≏</b> 34	10°35	27° 3	28°28	29°14	8°50	8° 2	7°33	9°23	20°58	22° 8	4°37	19° 0	M 7
T 8	19 3 17	15°36'18	19°43	10° 1	28° 9	28°59	29° 6	8°46	8° 5	7°33	9°22	20°R59	22° 5	4°44	19° 3	T 8
W 9	19 7 13	16°33'30	3 <b>M</b> .18	9°31	29°16	29°30	28°59	8°41	8° 9	7°34	9°20	20°57	22° 2	4°51	19° 6	W 9
T 10	19 11 10	17°30'42	17°21	9° 4	0 <b>m</b> 23	0 <b>Υ</b> 1	28°51	8°37	8°12	7°35	9°19	20°54	21°59	4°58	19°8	T 10
F 11	19 15 6	18°27'55	1 <b>₹</b> 750	8°40	1°29	0°31	28°44	8°33	8°16	7°35	9°18	20°49	21°55	5° 4	19°11	F 11
S 12	19 19 3	19°25'07	16°43	8°21	2°35	1° 0	28°36	8°28	8°20	7°36	9°17	20°41	21°52	5°11	19°13	S 12
S 13	19 22 59	20°22'20	1 <b>3</b> 52	8° 6	3°42	1°30	28°29	8°24	8°23	7°37	9°15	20°33	21°49	5°18	19°16	S 13
M14	19 26 56	21°19'32	17° 9	7°56	4°47	1°59	28°21	8°20	8°27	7°38	9°14	20°24	21°46	5°24	19°18	M14
T 15	19 30 52	22°16'46	2≈21	7°D51	5°53	2°28	28°14	8°16	8°30	7°38	9°13	20°17	21°43	5°31	19°21	T 15
W16	19 34 49	23°13'59	17°19	7°51	6°59	2°56	28° 6	8°11	8°34	7°39	9°11	20°11	21°40	5°38	19°23	W16
T 17	19 38 46	24°11'13	1 <b>) (</b> 54	7°57	8° 4	3°24	27°58	8° 7	8°37	7°40	9°10	20° 7	21°36	5°45	19°26	T 17
F 18	19 42 42	25° 8'28	16° 3	8° 9	9° 9	3°52	27°50	8° 3	8°41	7°41	9° 9	20°D 6	21°33	5°51	19°28	F 18
S 19	19 46 39	26° 5'44	29°43	8°26	10°14	4°19	27°43	7°59	8°44	7°42	9° 8	20° 6	21°30	5°58	19°30	S 19
S 20	19 50 35	27° 3'00	12 <b>Y</b> 55	8°49	11°19	4°46	27°35	7°55	8°48	7°43	9° 6	20° 7	21°27	6° 5	19°32	S 20
M21	19 54 32	28° 0'17	25°44	9°18	12°23	5°12	27°27	7°51	8°51	7°44	9° 5	20°R 8	21°24	6°11	19°34	M21
T 22	19 58 28	28°57'35	8 <b>8</b> 13	9°53	13°28	5°38	27°19	7°47	8°55	7°45	9° 4	20° 7	21°20	6°18	19°36	T 22
W23	20 2 25	29°54'55	20°26	10°33	14°32	6° 4	27°12	7°43	8°58	7°46	9° 2	20° 5	21°17	6°25	19°38	W23
T 24	20 6 21	$0$ <b>\Omega</b> 52'15	2 <b>II</b> 28	11°19	15°36	6°29	27° 4	7°39	9° 2	7°47	9° 1	20° 1	21°14	6°32	19°40	T 24
F 25	20 10 18	1°49'36	14°24	12°11	16°39	6°53	26°56	7°35	9° 5	7°48	8°59	19°55	21°11	6°38	19°42	F 25
S 26	20 14 15	2°46'58	26°16	13° 9	17°43	7°17	26°49	7°32	9° 8	7°49	8°58	19°47	21° 8	6°45	19°44	S 26
S 27	20 18 11	3°44'21	89 7	14°12	18°46	7°41	26°41	7°28	9°12	7°51	8°57	19°38	21° 5	6°52	19°46	S 27
M28	20 22 8	4°41'45	20° 0	15°20	19°49	8° 4	26°33	7°24	9°15	7°52	8°55	19°30	21° 1	6°58	19°48	M28
T 29	20 26 4	5°39'10	1 <b>Ω</b> 57	16°34	20°52	8°27	26°26	7°21	9°19	7°53	8°54	19°22	20°58	7° 5	19°49	T 29
W30	20 30 1	6°36'35	13°59	17°53	21°54	8°49	26°18	7°17	9°22	7°54	8°53	19°16	20°55	7°12	19°51	W30
T 31	20 33 57	$7\Omega 34'02$	26 <b>Ω</b> 8	199517	22 Mp 56	9 <b>Υ</b> 10	26 <b>궁</b> 11	7 <b>云</b> 13	9925	7 <b>≙</b> 56	8 <b>≈</b> 51	19 <b>米</b> 11	20 <b>∺</b> 52	7 <b>9</b> 519	19 <b>8</b> 53	T 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1 W 2 T 3	23n10 23 6 23 2		18n34 4s 9 18 28 4 20 18 22 4 29	0 15 58 1 41	4 52 3 29		22 33 0 36	23n33	1 33 1 33		3 s26 3 29 3 32	3 s 0 28n27 3 1 28 27 3 2 28 26	15 23 2 8
F 4 S 5	22 57 22 52	13 37 1 54	18 18 4 30		4 30 3 33 4 19 3 35	20 45 0 30 20 47 0 30	22 34 0 36 22 34 0 36	23 33 0 18 23 32 0 18	1 34 1 33		3 34	3 4 28 26 3 5 28 25	15 24 2 8 15 25 2 8
	22 19 22 12	3 s 5 2 1 2 2 2 7 1 5 5 1 3 2 5 2 1 5 4 1 4	18 15 4 5 18 18 4 5 18 21 4 49 18 26 4 43	0 13 54 1 29 1 13 28 1 26 1 13 2 1 23 9 12 36 1 20 5 12 10 1 17	3 57 3 39 3 46 3 41 3 36 3 43 3 26 3 44 3 15 3 46	20 50 0 30 20 52 0 31 20 53 0 31 20 55 0 31 20 57 0 31	22 35 0 36 22 35 0 36 22 36 0 36 22 36 0 35 22 36 0 35	23 32 0 18 23 32 0 18 23 32 0 18 23 32 0 18 23 31 0 18 23 31 0 19 23 31 0 19	1 35 1 33 1 35 1 33 1 35 1 33 1 36 1 33 1 36 1 33	24 16 6 34 24 16 6 34 24 17 6 35 24 17 6 35	3 35 3 35 3 35 3 35 3 37 3 39 3 42	3 6 28 25 3 7 28 25 3 9 28 24 3 10 28 24 3 11 28 23 3 12 28 23 3 14 28 22	15 26 2 8 15 27 2 9 15 27 2 9 15 28 2 9 15 28 2 9
S 13 M14 T 15 W16 T 17 F 18	21 55 21 47	28 25 4 58 26 52 4 32 23 20 3 46 18 18 2 46 12 18 1 36 5 51 0 22	18 40 4 34 18 48 4 20 18 57 4 17 19 7 4 5 19 18 3 57	4 11 16 1 11 6 10 49 1 7 7 10 21 1 4 8 9 54 1 0 7 9 26 0 57 5 8 58 0 53	2 55 3 50 2 46 3 52 2 36 3 54 2 26 3 56 2 17 3 58 2 8 4 0	21 0 0 31 21 2 0 32 21 4 0 32 21 5 0 32 21 7 0 32 21 9 0 32	22 37 0 35 22 37 0 35 22 38 0 35 22 38 0 35 22 38 0 35 22 38 0 35 22 39 0 35	23 31 0 19 23 31 0 19 23 31 0 19 23 30 0 19	1 37 1 32 1 37 1 32 1 37 1 32 1 38 1 32 1 38 1 32 1 38 1 32	24 18 6 35 24 18 6 35 24 19 6 35 24 19 6 35 24 20 6 35	3 45 3 48 3 51 3 54 3 55 3 56	3 15 28 22 3 16 28 21 3 17 28 21 3 19 28 20 3 20 28 20 3 21 28 19 3 22 28 19	15 29 2 10 15 30 2 10 15 30 2 10 15 30 2 10 15 31 2 11 15 31 2 11
S 20 M21 T 22 W23 T 24 F 25 S 26	20 12 19 59 19 47	12 44 2 59 17 52 3 49 22 10 4 27 25 28 4 53	20 15 2 5 20 27 2 3 20 38 2 22 20 48 2	5 7 33 0 41 1 7 4 0 36 7 6 35 0 32 2 6 7 0 28 7 5 38 0 23	1 41 4 5 1 32 4 7 1 24 4 9 1 16 4 11 1 8 4 12	21 14 0 33 21 15 0 33 21 17 0 33 21 19 0 33 21 20 0 33	22 40 0 34 22 40 0 34 22 41 0 34 22 41 0 34 22 41 0 34	23 29 0 19 23 29 0 19 23 29 0 19 23 29 0 19 23 28 0 19 23 28 0 19 23 28 0 19	1 40 1 32 1 40 1 32 1 41 1 32 1 41 1 32 1 42 1 32	24 22 6 36 24 23 6 36 24 23 6 36 24 24 6 36	3 55 3 55 3 55 3 56 3 58 4 0 4 3	3 24 28 18 3 25 28 18 3 26 28 17 3 27 28 17 3 29 28 16 3 30 28 15 3 31 28 15	15 32 2 11 15 33 2 12 15 33 2 12 15 33 2 12 15 34 2 12
S 27 M28 T 29 W30 T 31	18 53 18 39	26 21 4 25 23 26 3 47 19 30 2 59	21 14 1 22	2 4 10 0 9 7 3 41 0 4 2 3 12 0s 1	0 45 4 18 0 37 4 20 0 30 4 21	21 25 0 34 21 27 0 34 21 28 0 34	22 42 0 34 22 43 0 34 22 43 0 33	23 28 0 19 23 27 0 19 23 27 0 19 23 27 0 19 23n27 0n19	1 43 1 32 1 44 1 32 1 44 1 32	<b>24 26</b> 6 37	4 6 4 10 4 13 4 15 4 s17	3 32 28 14 3 34 28 14 3 35 28 13 3 36 28 12 3 s38 28n12	15 34 2 13 15 35 2 13 15 35 2 13

 $\label{eq:Julian Day Number = 2372468.5, Delta T = 22.29 sec} \\ Ecliptic obliquity = 23°28'11, Nutation = 0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°43'03, Lahiri = 20°50'03Greg. Calendar$ 

AUGUST 1783 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	n	v	Ç	ę,	Day
F 1	20 37 54	8 <b>Ω</b> 31'29	8 Mp 24	209645	23 m/58	9 <b>Υ</b> 31	26°R 3	7°R10	99529	7 <b>≙</b> 57	8°R50	19°R 9	20 <b>)</b> (49	7925	19854	F 1
S 2	20 41 51	9°28'57	20°52	22°18	25° 0	9°52	25 <b>궁</b> 56	7중 7	9°32	7°58	8 <b>≈</b> 49	19°D 8	20°46	7°32	19°56	S 2
S 3	20 45 47	10°26'26	3 <b>॒</b> 31	23°56	26° 1	10°11	25°48	7° 3	9°35	8° 0	8°47	19 <b>米</b> 9	20°42	7°39	19°57	S 3
M 4	20 49 44	11°23'55	16°26	25°37	27° 2	10°31	25°41	7° 0	9°38	8° 1	8°46	19°11	20°39	7°45	19°58	M 4
T 5	20 53 40	12°21'26	29°39	27°22	28° 3	10°49	25°34	6°57	9°41	8° 2	8°44	19°12	20°36	7°52	20° 0	T 5
W 6	20 57 37	13°18'57	13 <b>M</b> .12	29°11	29° 4	11° 7	25°27	6°54	9°45	8° 4	8°43	19°R13	20°33	7°59	20° 1	W 6
T 7	21 1 33	14°16'29	27° 7	1 <b>Q</b> 2	0요 4	11°25	25°20	6°51	9°48	8° 5	8°42	19°12	20°30	8° 6	20° 2	T 7
F 8	21 5 30	15°14'02	11 <b>×</b> 23	2°56	1° 3	11°42	25°13	6°48	9°51	8° 7	8°40	19°10	20°26	8°12	20° 3	F 8
S 9	21 9 26	16°11'36	25°59	4°52	2° 3	11°58	25° 6	6°45	9°54	8° 8	8°39	19° 6	20°23	8°19	20° 4	S 9
S 10	21 13 23	17° 9'11	10 <b>ਰ</b> 49	6°50	3° 2	12°13	25° 0	6°42	9°57	8°10	8°38	19° 2	20°20	8°26	20° 5	S 10
M11	21 17 20	18° 6'47	25°48	8°49	4° 0	12°28	24°53	6°39	10° 0	8°11	8°36	18°58	20°17	8°33	20° 6	M11
T 12	21 21 16	19° 4'24	10≈46	10°50	4°59	12°42	24°47	6°37	10° 3	8°13	8°35	18°54	20°14	8°39	20° 7	T 12
W13	21 25 13	20° 2'02	25°34	12°51	5°56	12°56	24°40	6°34	10° 6	8°15	8°34	18°51	20°11	8°46	20° 8	W13
T 14	21 29 9	20°59'41	10 <b>米</b> 5	14°53	6°54	13° 9	24°34	6°31	10° 9	8°16	8°32	18°50	20° 7	8°53	20° 9	T 14
F 15	21 33 6	21°57'22	24°14	16°55	7°51	13°21	24°28	6°29	10°12	8°18	8°31	18°D49	20° 4	8°59	20° 9	F 15
S 16	21 37 2	22°55'04	7 <b>Ƴ</b> 57	18°56	8°47	13°32	24°22	6°27	10°15	8°20	8°30	18°50	20° 1	9° 6	20°10	S 16
S 17	21 40 59	23°52'48	21°14	20°58	9°43	13°42	24°16	6°24	10°18	8°21	8°28	18°52	19°58	9°13	20°10	S 17
M18	21 44 55	24°50'34	4 <b>8</b> 7	22°59	10°39	13°52	24°10	6°22	10°21	8°23	8°27	18°53	19°55	9°20	20°11	M18
T 19	21 48 52	25°48'21	16°40	24°59	11°34	14° 1	24° 5	6°20	10°23	8°25	8°26	18°54	19°52	9°26	20°11	T 19
W20	21 52 49	26°46'10	28°55	26°58	12°28	14° 9	23°59	6°18	10°26	8°26	8°24	18°R55	19°48	9°33	20°12	W20
T 21	21 56 45	27°44'00	10耳59	28°56	13°22	14°17	23°54	6°16	10°29	8°28	8°23	18°54	19°45	9°40	20°12	T 21
F 22	22 0 42	28°41'53	22°54	0 <b>m</b> 54	14°16	14°23	23°49	6°14	10°32	8°30	8°22	18°52	19°42	9°46	20°12	F 22
S 23	22 4 38	29°39'47	49546	2°50	15° 9	14°29	23°44	6°12	10°34	8°32	8°21	18°50	19°39	9°53	20°13	S 23
S 24	22 8 35	0 <b>m</b> 37'43	16°39	4°45	16° 1	14°34	23°39	6°11	10°37	8°34	8°19	18°47	19°36	10° 0	20°13	S 24
M25	22 12 31	1°35'40	28°35	6°39	16°53	14°38	23°34	6° 9	10°39	8°36	8°18	18°45	19°32	10° 7	20°13	M25
T 26	22 16 28	2°33'40	10 <b>Ω</b> 37	8°31	17°44	14°41	23°30	6° 8	10°42	8°37	8°17	18°42	19°29	10°13	20°R13	T 26
W27	22 20 24	3°31'41	22°48	10°23	18°34	14°44	23°26	6° 6	10°45	8°39	8°16	18°40	19°26	10°20	20°13	W27
T 28	22 24 21	4°29'43	5 <b>m</b> 10	12°13	19°24	14°45	23°21	6° 5	10°47	8°41	8°14	18°39	19°23	10°27	20°13	T 28
F 29	22 28 18	5°27'47	17°43	14° 1	20°13	14°R46	23°17	6° 4	10°50	8°43	8°13	18°D39	19°20	10°33	20°12	F 29
S 30	22 32 14	6°25'53	0 <b>ჲ</b> 28	15°49	21° 2	14°46	23°14	6° 3	10°52	8°45	8°12	18°39	19°17	10°40	20°12	S 30
S 31	22 36 11	7 <b>m</b> 24'00	13 <b>≏</b> 27	17 <b>m</b> 35	21 <b>≏</b> 49	14 <b>Y</b> 44	23 <b>궁</b> 10	6 <b>ප</b> 2	10954	8 <b>≏</b> 47	8 <b>≈</b> 11	18 <b>)</b> €40	19 <b>∺</b> 13	109547	20812	S 31

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F 1 S 2	18n 9 17 54		21n28 0s24 21 27 0 10					23n27 0n19 23 26 0 19		24s27 6s37 24 27 6 37	4 s 1 8 4 1 8	3 s39 2 3 40 2		
S 3 M 4 T 5 W 6	17 39 17 23 17 7 16 51	8 40 2 23 14 31 3 23 19 50 4 12	21 9 0 27 20 58 0 38	0 45 0 28 0 15 0 34 0 s14 0 40	0n 2 4 30 0 8 4 31 0 13 4 33	21 36 0 34 21 37 0 34 21 39 0 34	22 44 0 33 22 45 0 33 22 45 0 33	23 26 0 19 23 26 0 19	1 47 1 32 1 48 1 32 1 48 1 31	24 28 6 37 24 29 6 37 24 29 6 37	4 18 4 17 4 17 4 17	3 41 2 3 43 2 3 44 2 3 45 2	28 9 28 8 28 8	15 36 2 14 15 36 2 15 15 36 2 15
T 7 F 8 S 9	16 34 16 17 16 0	27 16 5 9	20 28 0 58	1 13 0 52	0 24 4 36	21 41 0 35		23 25 0 19 23 25 0 19 23 25 0 19	1 49 1 31	24 29 6 37 24 30 6 37 24 30 6 37	4 17 4 18 4 19	3 46 2 3 48 2 3 49 2	28 6	15 36 2 15 15 36 2 15 15 36 2 16
S 10 M11 T 12 W13 T 14 F 15 S 16	15 25 15 7	25 6 4 10 20 39 3 13	18 56 1 27 18 27 1 32 17 56 1 36 17 22 1 40	2 40 1 10 3 9 1 17 3 38 1 23 4 7 1 30 4 35 1 36	0 38 4 41 0 42 4 42 0 46 4 43 0 49 4 45 0 53 4 46	21 45 0 35 21 46 0 35 21 48 0 35 21 49 0 35 21 50 0 35	22 46 0 32 22 46 0 32 22 47 0 32 22 47 0 32 22 47 0 31	23 25 0 19 23 24 0 19 23 23 0 19	1 51 1 31 1 52 1 31 1 53 1 31 1 53 1 31 1 54 1 31	24 31 6 38 24 32 6 38 24 32 6 38 24 32 6 38	4 21 4 22 4 24 4 25 4 26 4 26 4 25	3 50 2 3 51 2 3 53 2 3 54 2 3 55 2 3 56 2 3 58 2	28 4 28 4 28 3 28 2 28 1	15 36 2 16 15 36 2 16 15 36 2 16 15 36 2 17 15 36 2 17 15 36 2 17 15 36 2 17
S 17 M18 T 19 W20 T 21 F 22 S 23	13 35 13 15 12 56 12 36 12 17 11 57	10 54 2 49 16 25 3 44 21 5 4 26 24 45 4 56 27 16 5 12	16 11 1 44 15 32 1 46 14 53 1 46 14 12 1 46 13 30 1 45 12 47 1 43	5 32 1 50 6 0 1 56 6 28 2 3 6 56 2 10 7 24 2 17 7 51 2 24	0 59 4 49 1 2 4 50 1 4 4 51 1 6 4 52 1 8 4 53 1 10 4 54	21 52 0 35 21 53 0 35 21 54 0 36 21 55 0 36 21 56 0 36 21 57 0 36	22 48 0 31 22 48 0 31 22 48 0 31 22 48 0 31 22 49 0 31 22 49 0 31	23 23 0 19 23 23 0 19 23 23 0 19 23 23 0 19 23 23 0 19	1 55 1 31 1 56 1 31 1 57 1 31 1 57 1 31 1 58 1 31 1 59 1 31	24 33 6 38 24 34 6 38 24 34 6 38 24 35 6 38 24 35 6 38	4 25 4 24 4 24 4 24 4 24 4 24 4 25	3 59 2 4 0 2 4 1 2 4 3 2 4 4 2 4 5 2	28 0 27 59 27 58 27 57 27 57 27 56	15 36 2 18 15 35 2 19 15 35 2 19
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	10 55 10 35 10 14	24 25 4 2 20 43 3 15	9 48 1 32 9 3 1 28 8 17 1 24 7 30 1 19 6 44 1 14	9 12 2 46 9 38 2 54 10 5 3 1 10 31 3 9 10 56 3 16 11 22 3 24	1 13 4 56 1 14 4 57 1 14 4 58 1 14 4 58 1 14 4 58 1 14 4 59	22 0 0 36 22 1 0 36 22 2 0 36 22 2 0 36 22 3 0 36 22 4 0 36	22 50 0 30 22 50 0 30		2 1 1 31 2 2 1 31 2 3 1 31 2 3 1 31 2 4 1 31 2 5 1 31	24 37 6 38 24 37 6 38 24 37 6 38 24 38 6 38	4 26 4 28 4 29 4 29 4 30 4 30 4 30 4 30	4 9 2	27 53 27 52 27 52 27 51 27 50 27 49	15 34 2 20 15 34 2 21

Julian Day Number = 2372499.5, Delta T = 22.29 sec Ecliptic obliquity = 23°28'12, Nutation =  $0^{\circ}00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}43'07$ , Lahiri =  $20^{\circ}50'08$ Greg. Calendar

SEPTEMBER 1783 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)મ(	卉	Р	n	v	Ç	ę,	Day
M 1	22 40 7	8 Mg 22'09	26 <b>₽</b> 39	19 <b>m</b> 20	22 <b>£</b> 36	14°R43	23°R 6	6°R 1	10957	8 <b>≏</b> 49	8°R10	18 <b>) (</b> 40	19 <b>米</b> 10	10954	20°R12	M 1
T 2	22 44 4	9°20'19	10 <b>M</b> 5	21° 4	23°22	14 <b>Y</b> 40	23중 3	6 ව	10°59	8°51	8 <b>≈</b> 9	18°41	19° 7	11° 0	20811	T 2
W 3	22 48 0	10°18'31	23°45	22°47	24° 7	14°36	23° 0	5°59	11° 1	8°53	8° 7	18°42	19° 4	11° 7	20°11	W 3
T 4	22 51 57	11°16'45	7 <b>.₹</b> 40	24°28	24°52	14°31	22°57	5°58	11° 3	8°55	8° 6	18°R42	19° 1	11°14	20°10	T 4
F 5	22 55 53	12°15'00	21°48	26° 8	25°35	14°26	22°54	5°58	11° 6	8°57	8° 5	18°42	18°58	11°20	20° 9	F 5
S 6	22 59 50	13°13'16	6 <b>궁</b> 8	27°48	26°17	14°20	22°52	5°58	11° 8	8°59	8° 4	18°42	18°54	11°27	20° 9	S 6
S 7	23 3 47	14°11'34	20°36	29°26	26°59	14°13	22°49	5°57	11°10	9° 1	8° 3	18°41	18°51	11°34	20° 8	S 7
M 8	23 7 43	15° 9'53	5≈ 9	1 <b>♀</b> 2	27°39	14° 5	22°47	5°57	11°12	9° 3	8° 2	18°41	18°48	11°41	20° 7	M 8
T 9	23 11 40	16° 8'14	19°41	2°38	28°18	13°56	22°45	5°57	11°14	9° 5	8° 1	18°41	18°45	11°47	20° 6	T 9
W10	23 15 36	17° 6'37	4 <b>∺</b> 7	4°13	28°56	13°47	22°43	5°D57	11°16	9° 7	8° 0	18°40	18°42	11°54	20° 5	W10
T 11	23 19 33	18° 5'01	18°20	5°46	29°33	13°37	22°42	5°57	11°18	9°10	7°59	18°40	18°38	12° 1	20° 4	T 11
F 12	23 23 29	19° 3'28	2 <b>Υ</b> 17	7°18	OM 9	13°26	22°40	5°57	11°19	9°12	7°58	18°40	18°35	12° 7	20° 3	F 12
S 13	23 27 26	20° 1'56	15°55	8°50	0°43	13°14	22°39	5°57	11°21	9°14	7°57	18°40	18°32	12°14	20° 2	S 13
S 14	23 31 22	21° 0'26	29°10	10°20	1°16	13° 2	22°38	5°57	11°23	9°16	7°56	18°40	18°29	12°21	20° 1	S 14
M15	23 35 19	21°58'58	12 <b>8</b> 5	11°49	1°48	12°49	22°37	5°58	11°25	9°18	7°55	18°40	18°26	12°27	20° 0	M15
T 16	23 39 15	22°57'33	24°40	13°17	2°18	12°35	22°37	5°58	11°26	9°20	7°54	18°39	18°23	12°34	19°59	T 16
W17	23 43 12	23°56'10	6 <b>Ⅱ</b> 58	14°44	2°47	12°21	22°36	5°59	11°28	9°22	7°54	18°39	18°19	12°41	19°57	W17
T 18	23 47 9	24°54'49	19° 3	16°10	3°14	12° 6	22°36	6° 0	11°30	9°25	7°53	18°39	18°16	12°48	19°56	T 18
F 19	23 51 5	25°53'30	0959	17°35	3°40	11°51	22°D36	6° 1	11°31	9°27	7°52	18°D39	18°13	12°54	19°54	F 19
S 20	23 55 2	26°52'13	12°52	18°58	4° 4	11°35	22°36	6° 1	11°33	9°29	7°51	18°39	18°10	13° 1	19°53	S 20
S 21	23 58 58	27°50'59	24°45	20°21	4°26	11°18	22°36	6° 3	11°34	9°31	7°50	18°40	18° 7	13° 8	19°51	S 21
M22	0 2 55	28°49'47	$6\Omega43$	21°42	4°47	11° 2	22°37	6° 4	11°36	9°33	7°50	18°41	18° 4	13°14	19°50	M22
T 23	0 6 5 1	29°48'37	18°50	23° 2	5° 5	10°44	22°38	6° 5	11°37	9°35	7°49	18°42	18° 0	13°21	19°48	T 23
W24	0 10 48	0 <b>ჲ</b> 47'29	1 <b>m</b> ) 9	24°20	5°22	10°27	22°39	6° 6	11°38	9°38	7°48	18°43	17°57	13°28	19°46	W24
T 25	0 14 44	1°46'23	13°43	25°37	5°37	10° 9	22°40	6° 8	11°39	9°40	7°47	18°R43	17°54	13°35	19°45	T 25
F 26	0 18 41	2°45'20	26°34	26°53	5°50	9°51	22°41	6° 9	11°41	9°42	7°47	18°43	17°51	13°41	19°43	F 26
S 27	0 22 38	3°44'18	9 <b>≏</b> 41	28° 8	6° 1	9°33	22°43	6°11	11°42	9°44	7°46	18°42	17°48	13°48	19°41	S 27
S 28	0 26 34	4°43'19	23° 4	29°20	6°10	9°15	22°44	6°12	11°43	9°47	7°46	18°41	17°44	13°55	19°39	S 28
M29	0 30 31	5°42'21	6 <b>M</b> .42	0 <b>M</b> .31	6°16	8°56	2 <u>2</u> °46	6°14	11°44	9°49	7°45	18°39	17°41	14° 1	19°37	M29
T 30	0 34 27	6 <b>₽</b> 41'25	20 <b>M</b> 32	1 <b>M</b> 41	6M20	8 <b>Ƴ</b> 38	22 <b>る</b> 48	6 <b>ප</b> 16	119545	9 <b>≏</b> 51	7 <b>≈</b> 44	18 <b>∺</b> 36	17 <b>米</b> 38	1495 8	19 <b>8</b> 35	T 30
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M 1	8n27	13 s 19 3 s 15	5n11 1n	3 12s12 3s39	1n12 4s5	9 22s 5	0 s36	22 s51	0n29	23n20	0n19	2s 7	1n31	24s38 6	6s38	4 s29	4s17	27n47	15n33	2 s21
T 2	8 5	18 46 4 8	4 25 0 5	7 12 36 3 47	1 11 4 5	9 22 6	0 36	22 51	0 29	23 20	0 19	2 7	1 31	24 39 6	6 38	4 29	4 19	27 46	15 33	2 21
W 3	7 43	23 22 4 47	3 38 0 5	0 13 0 3 55	1 10 4 5	9 22 6	0 36	22 51	0 29	23 20	0 19	2 8	1 31	24 39 6	6 38	4 29	4 20	27 45	15 32	2 22
T 4	7 21	26 44 5 11	2 52 0 4	4 13 24 4 3	1 8 4 5	9 22 7	0 36	22 51	0 29	23 20	0 19	2 9	1 31	24 39 6	6 38	4 28	4 21	27 45	15 32	2 22
F 5	6 58	28 29 5 16	2 6 0 3	7 13 47 4 10	1 6 4 5	9 22 7	0 36	22 51	0 29	23 20	0 19	2 10	1 31	24 40	6 38	4 28	4 22			2 22
S 6	6 36	28 22 5 2	1 21 0 3	0 14 10 4 18	1 4 4 5	9 22 8	0 36	22 51	0 29	23 20	0 20	2 11	1 31	24 40	6 38	4 29	4 24	27 43	15 31	2 22
S 7	6 14	26 19 4 29	0 35 0 2	3 14 32 4 26	1 2 4 5	8 22 8	0 36	22 52	0 29	23 19	0 20	2 11	1 31	24 40	6 38	4 29	4 25	27 42	15 31	2 23
M 8	5 51	22 32 3 39	0s10 0 1	6 14 54 4 34	0 59 4 5	8 22 8	0 36	22 52	0 28	23 19	0 20	2 12	1 31	24 40	6 38	4 29	4 26	27 41	15 30	2 23
T 9	5 29	17 22 2 34	0 55 0	9 15 16 4 42	0 57 4 5	7 22 9	0 36	22 52	0 28	23 19	0 20	2 13	1 31	24 41 6	6 37	4 29	4 27	27 40	15 30	2 23
W10	5 6	11 15 1 20	1 39 0	2 15 37 4 50		6 22 9	0 36	22 52		23 19		2 14	1 31	24 41 6	6 37	4 29		27 39		2 23
T 11	4 43	4 39 0 2	2 23 0s	6 15 58 4 58	0 51 4 5	5 22 9	0 36	22 52	0 28	23 19	0 20	2 15	1 31	24 41 6	6 37	4 29		27 38		2 24
F 12	4 20	2n 3 1n15	3 6 0 1			4 22 10		22 52		23 19		2 16	1 31	24 41 6	6 37	4 29		27 37		2 24
S 13	3 57	8 30 2 25	3 50 0 2	1 16 37 5 13	0 44 4 5	3 22 10	0 36	22 52	0 28	23 19	0 20	2 16	1 31	24 41 6	6 37	4 29	4 32	27 36	15 28	2 24
S 14	3 34	14 24 3 26	4 32 0 2	9 16 56 5 21	0 41 4 5	1 22 10	0 36	22 52	0 28	23 19	0 20	2 17	1 31	24 42 6	6 37	4 29	4 34	27 35	15 27	2 24
M15	3 11	19 31 4 15	5 14 0 3	6 17 15 5 29	0 37 4 5	0 22 10	0 36	22 53	0 28	23 18	0 20	2 18	1 31	24 42 6	6 37	4 29	4 35	27 34	15 27	2 24
T 16	2 48	23 38 4 50	5 56 0 4	4 17 32 5 36	0 33 4 4	8 22 10	0 37	22 53	0 27	23 18	0 20	2 19	1 31	24 42 6	6 37	4 30		27 33		2 25
W17	2 25	26 36 5 10	6 37 0 5	52 17 50 5 44		7 22 10		22 53	0 27		0 20	2 20		24 42 6	6 37	4 30		27 32		2 25
T 18	2 1	28 17 5 17	7 17 1	0 18 6 5 51	0 25 4 4	5 22 10		22 53	0 27		0 20	2 21	1 31	24 42 6	6 37	4 30	4 39	27 31	15 25	2 25
F 19		28 37 5 9		7 18 22 5 59		3 22 10		22 53	0 27			2 22			6 37	4 30		27 30		2 25
S 20	1 15	27 38 4 49	8 36 1 1	5 18 37 6 6	0 17 4 4	0 22 10	0 37	22 53	0 27	23 18	0 20	2 22	1 31	24 43 6	6 37	4 30	4 41	27 29	15 24	2 26
S 21	0 51	25 24 4 16	9 14 1 2	3 18 52 6 13	0 13 4 3	8 22 10	0 37	22 53	0 27	23 18	0 20	2 23	1 31	24 43 6	6 37	4 29	4 42	27 28	15 23	2 26
M22	0 28	22 2 3 32	9 52 1 3	0 19 5 6 20	0 8 4 3	6 22 10	0 37	22 53	0 27	23 18	0 20	2 24	1 31	24 43	6 37	4 29	4 44	27 27	15 22	2 26
T 23	0 5	17 42 2 38	10 29 1 3	8 19 18 6 27	0 4 4 3	3 22 10	0 37	22 53	0 27	23 18	0 20	2 25	1 31	24 43 6	6 37	4 29	4 45	27 26	15 22	2 26
W24	0s19	12 34 1 36	11 5 1 4	5 19 30 6 34	0s 0 4 3	0 22 10	0 37	22 53	0 26	23 17	0 20	2 26	1 31	24 43	6 37	4 28	4 46	27 25	15 21	2 26
T 25	0 42	6 50 0 28	11 40 1 5	3 19 42 6 41	0 5 4 2	8 22 10	0 37	22 53	0 26	23 17	0 20	2 27	1 31	24 43 6	6 36	4 28	4 47	27 23	15 20	2 27
F 26	1 6	0 42 0 s43	12 14 2	0 19 52 6 47		5 22 10		22 53	0 26	23 17	0 20	2 28	1 31	24 43 6	6 36	4 28		27 22		2 27
S 27	1 29	5 s 3 5 1 5 3	12 48 2	7 20 1 6 53	0 13 4 2	2 22 9	0 37	22 53	0 26	23 17	0 20	2 29	1 31	24 43	6 36	4 28	4 50	27 21	15 19	2 27
S 28	1 53	11 44 2 58	13 20 2 1	4 20 10 6 59	0 17 4 1	8 22 9	0 37	22 54	0 26	23 17	0 20	2 29	1 31	24 44 6	6 36	4 29	4 51	27 20	15 18	2 27
M29	2 16	17 27 3 55	13 52 2 2	21 20 17 7 4	0 22 4 1	5 22 9	0 37	22 54	0 26	23 17	0 20	2 30	1 31	24 44 6	6 36	4 30	4 52	27 19	15 17	2 28
T 30	2 s40	22 s22 4 s38	14 s22 2 s2	27 20 s23 7 s 9	0 s26 4 s1	2 22 s 8	0 s37	22 s54	0n26	23n17	0n20	2 s 3 1	1n31	24 s44 6	6s36	$4  \mathrm{s} 31$	4 s 5 4	27n18	15n17	$2\mathrm{s}28$

 $\label{eq:Julian Day Number = 2372530.5, Delta T = 22.28 sec} \\ Ecliptic obliquity = 23°28'12, Nutation = 0°00'04, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°43'11, Lahiri = 20°50'12Greg. Calendar$ 

OCTOBER 1783 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	Р	n	v	Ç	Š,	Day
W 1	0 38 24	7 <b>≏</b> 40'32	4 <b>₹</b> 31	2 <b>M</b> .48	6°R22	8°R19	22 <b>る</b> 50	6 <b>ට</b> 18	119546	9 <b>≙</b> 53	7°R44	18°R34	17 <b>)</b> 35	149915	19°R33	W 1
T 2	0 42 20	8°39'40	18°37	3°53	6M22	8 <b>Y</b> 1	22°53	6°20	11°47	9°56	7≈43	18 <b>∺</b> 32	17°32	14°22	19831	T 2
F 3	0 46 17	9°38'50	2 <b>궁</b> 47	4°56	6°19	7°43	22°56	6°22	11°48	9°58	7°43	18°31	17°29	14°28	19°28	F 3
S 4	0 50 13	10°38'01	16°59	5°57	6°14	7°25	22°58	6°25	11°48	10° 0	7°42	18°D31	17°25	14°35	19°26	S 4
S 5	0 54 10	11°37'15	1≈11	6°55	6° 7	7° 7	23° 2	6°27	11°49	10° 2	7°42	18°32	17°22	14°42	19°24	S 5
M 6	0 58 7	12°36'30	15°20	7°50	5°57	6°49	23° 5	6°29	11°50	10° 4	7°41	18°33	17°19	14°48	19°22	M 6
T 7	1 2 3	13°35'46	29°24	8°42	5°44	6°32	23° 8	6°32	11°50	10° 7	7°41	18°35	17°16	14°55	19°19	T 7
W 8	1 6 0	14°35'05	13 <b>)</b> (21	9°30	5°30	6°16	23°12	6°35	11°51	10° 9	7°41	18°R35	17°13	15° 2	19°17	W 8
T 9	1 9 56	15°34'25	27° 9	10°15	5°12	5°59	23°16	6°37	11°51	10°11	7°40	18°35	17° 9	15° 8	19°14	T 9
F 10	1 13 53	16°33'48	10 <b>Y</b> 45	10°56	4°53	5°43	23°19	6°40	11°52	10°13	7°40	18°34	17° 6	15°15	19°12	F 10
S 11	1 17 49	17°33'12	24° 6	11°32	4°31	5°28	23°24	6°43	11°52	10°16	7°40	18°31	17° 3	15°22	19° 9	S 11
S 12	1 21 46	18°32'38	7 <b>8</b> 11	12° 3	4° 7	5°13	23°28	6°46	11°53	10°18	7°39	18°26	17° 0	15°29	19° 7	S 12
M13	1 25 42	19°32'07	20° 0	12°29	3°42	4°58	23°32	6°49	11°53	10°20	7°39	18°21	16°57	15°35	19° 4	M13
T 14	1 29 39	20°31'38	2 <b>Ⅲ</b> 32	12°48	3°14	4°44	23°37	6°52	11°53	10°22	7°39	18°16	16°54	15°42	19° 1	T 14
W15	1 33 36	21°31'11	14°50	13° 2	2°44	4°31	23°42	6°56	11°53	10°24	7°39	18°11	16°50	15°49	18°59	W15
T 16	1 37 32	22°30'47	26°55	13°R 8	2°13	4°18	23°47	6°59	11°53	10°27	7°39	18° 6	16°47	15°55	18°56	T 16
F 17	1 41 29	23°30'24	8951	13° 7	1°40	4° 6	23°52	7° 2	11°54	10°29	7°39	18° 3	16°44	16° 2	18°53	F 17
S 18	1 45 25	24°30'04	20°42	12°57	1° 7	3°55	23°58	7° 6	11°R54	10°31	7°38	18°D 2	16°41	16° 9	18°51	S 18
S 19	1 49 22	25°29'46	2⋒34	12°40	0°32	3°45	24° 3	7° 9	11°54	10°33	7°38	18° 2	16°38	16°16	18°48	S 19
M20	1 53 18	26°29'31	14°32	12°13	29 <b>ჲ</b> 56	3°35	24° 9	7°13	11°53	10°35	7°38	18° 4	16°35	16°22	18°45	M20
T 21	1 57 15	27°29'17	26°40	11°37	29°20	3°26	24°15	7°17	11°53	10°38	7°D38	18° 5	16°31	16°29	18°42	T 21
W22	2 1 11	28°29'06	9Mm, 2	10°53	28°43	3°17	24°21	7°21	11°53	10°40	7°38	18° 7	16°28	16°36	18°39	W22
T 23	2 5 8	29°28'57	21°44	10° 0	28° 7	3°10	24°27	7°25	11°53	10°42	7°38	18°R 7	16°25	16°42	18°36	T 23
F 24	2 9 5	0ML28'50	4 <b>≏</b> 47	8°59	27°30	3° 3	24°33	7°29	11°53	10°44	7°38	18° 6	16°22	16°49	18°33	F 24
S 25	2 13 1	1°28'45	18°12	7°51	26°54	2°57	24°40	7°33	11°52	10°46	7°38	18° 2	16°19	16°56	18°30	S 25
S 26	2 16 58	2°28'42	1 <b>M</b> 59	6°39	26°19	2°51	24°46	7°37	11°52	10°48	7°39	17°57	16°15	17° 2	18°27	S 26
M27	2 20 54	3°28'42	16° 5	5°22	25°45	2°47	24°53	7°41	11°51	10°50	7°39	17°50	16°12	17° 9	18°24	M27
T 28	2 24 51	4°28'43	0 <b>∡</b> 124	4° 5	25°11	2°43	25° 0	7°45	11°51	10°52	7°39	17°42	16° 9	17°16	18°21	T 28
W29	2 28 47	5°28'46	14°51	2°49	24°39	2°40	25° 7	7°50	11°50	10°55	7°39	17°35	16° 6	17°23	18°18	W29
T 30	2 32 44	6°28'50	29°19	1°36	24° 9	2°39	25°15	7°54	11°50	10°57	7°39	17°28	16° 3	17°29	18°15	T 30
F 31	2 36 40	7 <b>M</b> 28'57	13 <b>る</b> 44	0M29	23 <u>₽</u> 40	2 <b>Y</b> 37	25 <b>る</b> 22	7 <b>云</b> 59	119549	10 <b>≏</b> 59	7≈40	17 <b>)</b> 24	16 <b>米</b> 0	17936	18812	F 31

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S 5 M 6 T 7 W 8	4 36 4 59 5 22 5 45	19 1 2 53 13 19 1 43	16 59 3	56 20 37 7 29 0 20 36 7 31 4 20 33 7 33 8 20 30 7 34	0 44 3 53 0 47 3 49 0 50 3 45 0 53 3 40	22 6 0 37 22 5 0 37	22 54 0 25 22 54 0 25 22 54 0 25	23 17 0 20 23 17 0 20 23 17 0 20 23 17 0 20	2 36 1 31 2 37 1 31		4 33 4 32 4 31 4 31	5 3 27 9	15 12 2 29 15 11 2 29
T 9 F 10 S 11 S 12	6 8 6 31 6 54 7 17	6n 4 1 58 12 11 3 2	18 12 3 18 25 3	11 20 24 7 35 14 20 18 7 35 16 20 9 7 34 17 20 0 7 33	0 56 3 36 0 58 3 32 1 0 3 27 1 2 3 23	22 3 0 37 22 2 0 37	22 54 0 25 22 54 0 24	23 17 0 20 23 17 0 20 23 17 0 20 23 17 0 20	2 40 1 31	24 44 6 35 24 44 6 35	4 31 4 32 4 33 4 35	5 5 27 8 5 6 27 6 5 7 27 5 5 8 27 4	15 9 2 30 15 8 2 30
M13 T 14 W15 T 16 F 17 S 18	7 39 8 2 8 24 8 46 9 8 9 30	25 36 5 0 27 45 5 11 28 34 5 8 28 1 4 51	18 49 3 18 51 3 18 50 3 18 46 3	17 19 48 7 30 16 19 36 7 27 14 19 22 7 23 12 19 6 7 18 7 18 49 7 13 2 18 31 7 6	1 7 3 5 1 8 3 1	22 0 0 37 21 59 0 37 21 58 0 37 21 57 0 36	22 53 0 24 22 53 0 24 22 53 0 24 22 53 0 24	23 17 0 21 23 17 0 21	2 42 1 31 2 43 1 31 2 44 1 31 2 45 1 31 2 46 1 31 2 47 1 31	24 44 6 35 24 44 6 35 24 44 6 35 24 44 6 35 24 44 6 34 24 44 6 34	4 37 4 39 4 41 4 43 4 44 4 44	5 10 27 3 5 11 27 1 5 12 27 0 5 13 26 59 5 15 26 58 5 16 26 56	15 5 2 30 15 4 2 31 15 3 2 31 15 2 2 31
S 19 M20 T 21 W22 T 23 F 24 S 25	9 52 10 14 10 36 10 57 11 18 11 39 12 0	19 14 2 52 14 26 1 54 8 57 0 49 2 59 0s20 3s16 1 29	18 9 2 17 48 2 17 22 2 16 52 2 16 17 1	54 18 12 6 59 46 17 52 6 51 35 17 30 6 42 23 17 8 6 32 9 16 45 6 22 53 16 21 6 11 35 15 57 5 59	1 8 2 47 1 7 2 42 1 6 2 38 1 5 2 33 1 4 2 29	21 55 0 36 21 53 0 36 21 52 0 36 21 51 0 36 21 50 0 36	22 53 0 23 22 53 0 23 22 53 0 23 22 53 0 23 22 53 0 23	23 17 0 21 23 17 0 21 23 17 0 21	2 48 1 31 2 48 1 31 2 49 1 31 2 50 1 31 2 51 1 31 2 52 1 31 2 52 1 31	24 43 6 34 24 43 6 34 24 43 6 34 24 43 6 34 24 43 6 34	4 44 4 44 4 43 4 42 4 42 4 43 4 44	5 17 26 55 5 18 26 54 5 20 26 53 5 21 26 51 5 22 26 50 5 23 26 49 5 24 26 47	15 0 2 32 14 59 2 32 14 58 2 32 14 57 2 32 14 56 2 32
S 26 M27 T 28 W29 T 30 F 31	12 41 13 2 13 22 13 42	20 51 4 22 25 2 4 53 27 41 5 7 28 29 5 1	14 13 0 13 28 0 12 42 0 11 58 0n	17 15 32 5 46 57 15 8 5 33 36 14 43 5 20 16 14 18 5 6 n 5 13 53 4 52 n25 13 s29 4 s37	0 58 2 16 0 56 2 11 0 53 2 7 0 50 2 3	21 47 0 36 21 45 0 36 21 44 0 36 21 43 0 36	22 52 0 23 22 52 0 23 22 52 0 22 22 52 0 22		2 54 1 31 2 55 1 31 2 56 1 31 2 56 1 31	24 43 6 33 24 43 6 33 24 42 6 33 24 42 6 33 24 42 6 33 24 s42 6 s33	4 46 4 49 4 52 4 55 4 57 4 s59	5 26 26 46 5 27 26 45 5 28 26 43 5 29 26 42 5 31 26 41 5 832 26n39	14     53     2     33       14     52     2     33       14     51     2     33       14     50     2     33

Julian Day Number = 2372560.5, Delta T = 22.28 sec Ecliptic obliquity = 23°28'12, Nutation =  $0^{\circ}00'03$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}43'16$ , Lahiri =  $20^{\circ}50'16$ Greg. Calendar

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S 1	2 40 37	8M29'04	28 <b>궁</b> 1	29°R31	23°R13	2°D37	25 <b>궁</b> 30	8 <b>궁</b> 3	11°R48	11 <b>ଦ</b> 1	7≈40	17°R21	15 <b>¥</b> 56	179543	18°R 9	S 1
S 2	2 44 34	9°29'14	12≈ 7	28 <b>≏</b> 41	22 <b>£</b> 48	2 <b>Y</b> 37	25°38	8° 8	119548	11° 3	7°40	17°D21	15°53	17°49	18 <b>8</b> 6	S 2
M 3	2 48 30	10°29'24	26° 3	28° 3	22°25	2°39	25°46	8°13	11°47	11° 5	7°41	17 <b>)</b> 22	15°50	17°56	18° 2	M 3
T 4	2 52 27	11°29'37	9 <b>∺</b> 46	27°36	22° 4	2°41	25°54	8°18	11°46	11° 7	7°41	17°23	15°47	18° 3	17°59	T 4
W 5	2 56 23	12°29'50	23°19	27°20	21°46	2°44	26° 2	8°23	11°45	11° 9	7°41	17°R23	15°44	18°10	17°56	W 5
T 6	3 0 20	13°30'05	6 <b>Ƴ</b> 41	27°D16	21°30	2°47	26°10	8°28	11°44	11°11	7°42	17°21	15°41	18°16	17°53	T 6
F 7	3 4 16	14°30'22	19°52	27°23	21°16	2°52	26°19	8°33	11°43	11°13	7°42	17°16	15°37	18°23	17°50	F 7
S 8	3 8 13	15°30'40	2 <b>8</b> 52	27°41	21° 5	2°57	26°27	8°38	11°42	11°15	7°43	17° 9	15°34	18°30	17°47	S 8
S 9	3 12 9	16°31'01	15°40	28° 8	20°57	3° 3	26°36	8°43	11°41	11°16	7°43	17° 0	15°31	18°36	17°43	S 9
M10	3 16 6	17°31'22	28°16	28°45	20°50	3° 9	26°45	8°48	11°40	11°18	7°44	16°49	15°28	18°43	17°40	M10
T 11	3 20 3	18°31'46	10 <b>Ⅱ</b> 40	29°29	20°47	3°17	26°54	8°53	11°38	11°20	7°44	16°37	15°25	18°50	17°37	T 11
W12	3 23 59	19°32'11	22°52	0 <b>M</b> 20	20°D45	3°25	27° 3	8°59	11°37	11°22	7°45	16°26	15°21	18°56	17°34	W12
T 13	3 27 56	20°32'38	49554	1°18	20°47	3°33	27°12	9° 4	11°36	11°24	7°46	16°15	15°18	19° 3	17°31	T 13
F 14	3 31 52	21°33'07	16°48	2°21	20°50	3°43	27°22	9°10	11°34	11°26	7°46	16° 7	15°15	19°10	17°27	F 14
S 15	3 35 49	22°33'38	28°38	3°28	20°56	3°53	27°31	9°15	11°33	11°28	7°47	16° 2	15°12	19°17	17°24	S 15
S 16	3 39 45	23°34'10	10 <b>Ω</b> 28	4°40	21° 4	4° 4	27°41	9°21	11°32	11°29	7°48	15°59	15° 9	19°23	17°21	S 16
M17	3 43 42	24°34'45	22°23	5°55	21°15	4°15	27°51	9°26	11°30	11°31	7°48	15°D58	15° 6	19°30	17°18	M17
T 18	3 47 38	25°35'21	4 Mp 27	7°14	21°28	4°27	28° 0	9°32	11°28	11°33	7°49	15°58	15° 2	19°37	17°15	T 18
W19	3 51 35	26°35'58	16°48	8°34	21°43	4°40	28°10	9°38	11°27	11°35	7°50	15°R58	14°59	19°43	17°12	W19
T 20	3 55 32	27°36'37	29°29	9°57	22° 0	4°53	28°21	9°44	11°25	11°36	7°51	15°58	14°56	19°50	17° 8	T 20
F 21	3 59 28	28°37'18	12 <b>≏</b> 35	11°22	22°19	5° 7	28°31	9°50	11°24	11°38	7°51	15°55	14°53	19°57	17° 5	F 21
S 22	4 3 25	29°38'01	26° 8	12°48	22°40	5°21	28°41	9°55	11°22	11°40	7°52	15°49	14°50	20° 3	17° 2	S 22
S 23	4 7 21	0 <b>₮</b> 38'45	10 <b>M</b> 9	14°16	23° 3	5°36	28°52	10° 1	11°20	11°41	7°53	15°41	14°47	20°10	16°59	S 23
M24	4 11 18	1°39'31	24°34	15°44	23°27	5°52	29° 2	10° 7	11°18	11°43	7°54	15°31	14°43	20°17	16°56	M24
T 25	4 15 14	2°40'18	9 <b>~</b> 18	17°13	23°54	6° 8	29°13	10°14	11°17	11°44	7°55	15°19	14°40	20°23	16°53	T 25
W26	4 19 11	3°41'07	24°12	18°43	24°22	6°25	29°24	10°20	11°15	11°46	7°56	15° 7	14°37	20°30	16°50	W26
T 27	4 23 7	4°41'56	9る8	20°14	24°52	6°42	29°34	10°26	11°13	11°47	7°57	14°57	14°34	20°37	16°47	T 27
F 28	4 27 4	5°42'47	23°56	21°45	25°23	7° 0	29°45	10°32	11°11	11°49	7°58	14°49	14°31	20°44	16°44	F 28
S 29	4 31 1	6°43'39	8≈30	23°17	25°56	7°18	29°57	10°38	11° 9	11°50	7°59	14°45	14°27	20°50	16°41	S 29
S 30	4 34 57	7 <b>∡</b> 144'31	22≈45	24 <b>M</b> 49	26 <b>♀</b> 30	7 <b>Y</b> 37	0≈ 8	10 <b>궁</b> 45	1195 7	11 <b>≏</b> 52	8≈ 0	14 <b>) (</b> 42	14 <b>) (</b> 24	20957	16 <b>8</b> 38	S 30

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S 1	14 s21	24 s24	3 s53	10s38	0n44	13 s 5	4 s22	0 s42	1 s54	21 s40	0 s36	22 s51	0n22	23n18	0n21	2 s 5 8	1n31	24 s42	6 s 3 3	5 s 0	5 s33	26n38	14n48	2 s33
S 2	14 40	20 1	2 58	10 4	1 1	12 42	4 7	0 39	1 50	21 38	0 36	22 51	0 22	23 18	0 21	2 59	1 31	24 41	6 33	5 0	5 34	26 37	14 47	2 33
M 3	14 59	14 37	1 52	9 36	1 17	12 19	3 52	0 34	1 46	21 37	0 36	22 51	0 22	23 18	0 21	3 0	1 31	24 41	6 33	5 0	5 36	26 35	14 46	2 33
T 4	15 18	8 33	0 41	9 13	1 31	11 58	3 37	0 30		21 35	0 36	22 51	0 22			3 0	1 31	24 41	6 32	5 0	5 37	26 34	14 45	2 34
W 5	15 36	-	0n32	8 56	-	11 37	3 22	0 25		21 34		22 51		23 18		3 1	1 31	24 41	6 32	5 0		26 33		2 34
T 6	15 55	-	1 41	8 45	-	11 16	3 7	0 20		21 32		22 50		23 18		3 2	1 31	24 41	6 32	5 0		26 31	-	2 34
F 7	16 13	-	2 45	8 39		10 57	2 52	0 15		21 31		22 50		23 18		3 2	1 31		6 32	5 2		26 30		2 34
S 8	16 30	15 54	3 38	8 39	2 9	10 39	2 37	0 9	1 27	21 29	0 36	22 50	0 21	23 18	0 21	3 3	1 31	24 40	6 32	5 5	5 42	26 28	14 41	2 34
S 9	16 48	20 41	4 19	8 44	2 14	10 22	2 22	0 3	1 23	21 27	0 36	22 50	0 21	23 18	0 21	3 4	1 31	24 40	6 32	5 8	5 43	26 27	14 40	2 34
M10	17 5	24 28	4 47	8 54	2 17	10 7	2 7	0n 2	1 19	21 26	0 36	22 49	0 21	23 19	0 21	3 5	1 31	24 40	6 32	5 13	5 44	26 25	14 39	2 34
T 11	17 22	27 3	5 1	9 8	2 20	9 52	1 53	0 9	1 16	21 24	0 36	22 49	0 21	23 19	0 21	3 5	1 31	24 39	6 32	5 17	5 45	26 24	14 38	2 34
W12	17 38	28 17	5 1	9 25	2 21	9 39	1 39	0 15	1 12	21 22	0 36	22 49	0 21	23 19	0 21	3 6	1 31	24 39	6 32	5 22	5 47	26 23	14 37	2 34
T 13	17 55	28 10	4 47	9 45	2 20	9 26	1 25	0 22	1 9	21 20	0 36	22 49	0 21	23 19	0 21	3 7	1 31	24 39	6 31	5 26	5 48	26 21	14 36	2 35
F 14	18 10	26 44	4 21	10 8	2 19	9 15	1 12	0 29	1 5	21 19	0 36	22 48	0 21	23 19	0 21	3 7	1 31	24 39	6 31	5 29	5 49	26 20	14 35	2 35
S 15	18 26	24 7	3 44	10 33	2 17	9 5	0 59	0 36	1 2	21 17	0 36	22 48	0 21	23 19	0 21	3 8	1 32	24 38	6 31	5 31	5 50	26 18	14 34	2 35
S 16	18 41	20 28	2 57	10 59	2 14	8 57	0 46	0 43	0 59	21 15	0 36	22 48	0 21	23 19	0 21	3 9	1 32	24 38	6 31	5 32	5 52	26 17	14 33	2 35
M17	18 56	16 0	2 2	11 28	2 10	8 49	0 34	0 51	0 56	21 13	0 36	22 48	0 21	23 20	0 21	3 9	1 32	24 38	6 31	5 33	5 53	26 15	14 32	2 35
T 18	19 11	10 50	1 1	11 57	2 6	8 43	0 22	0 58	0 52	21 11	0 36	22 47	0 20	23 20	0 21	3 10	1 32	24 37	6 31	5 32	5 54	26 14	14 32	2 35
W19	19 25	5 9	0s 4	12 27	2 2	8 37	0 10	1 6	0 49	21 9	0 36	22 47	0 20	23 20	0 21	3 11	1 32	24 37	6 31	5 32	5 55	26 12	14 31	2 35
T 20	19 39	0 s53	1 11	12 59	1 56	8 33	0n 2	1 14	0 46	21 7	0 36	22 47	0 20	23 20	0 21	3 11	1 32	24 37	6 31	5 33	5 57	26 11	14 30	2 35
F 21	19 53	7 4	2 16	13 30	1 51	8 30	0 13	1 22	0 43	21 5	0 36	22 46	0 20	23 20	0 22	3 12	1 32	24 37	6 31	5 34	5 58	26 9	14 29	2 35
S 22	20 6	13 8	3 16	14 2	1 45	8 28	0 23	1 31	0 40	21 3	0 36	22 46	0 20	23 20	0 22	3 12	1 32	24 36	6 31	5 36	5 59	26 8	14 28	2 35
S 23	20 19	18 45	4 5	14 34	1 39	8 27	0 33	1 39	0 37	21 0	0 36	22 46	0 20	23 21	0 22	3 13	1 32	24 36	6 30	5 39	6 0	26 6	14 27	2 35
M24	20 31	23 28	4 41	15 6	1 32	8 27	0 43	1 48	0 35	20 58	0 36	22 45	0 20	23 21	0 22	3 14	1 32	24 36	6 30	5 43	6 1	26 5	14 26	2 35
T 25	20 43	26 48	4 59	15 37	1 26	8 28	0 53	1 57	0 32	20 56	0 36	22 45	0 20	23 21	0 22	3 14	1 32	24 35	6 30	5 48	6 3	26 3	14 25	2 35
W26	20 55	28 17	4 57	16 9	1 19	8 30	1 2	2 6	0 29	20 54	0 36	22 44	0 20	23 21	0 22	3 15	1 32	24 35	6 30	5 52	6 4	26 2	14 24	2 35
T 27	21 6	27 43	4 35	16 40	1 12	8 32	1 11	2 15	0 26	20 52	0 36	22 44	0 20	23 21	0 22	3 15	1 32	24 35	6 30	5 56	6 5	26 0	14 23	2 35
F 28	21 17	25 11	3 54	17 11	1 5	8 36	1 19	2 25	0 24	20 49	0 36	22 44	0 20	23 21	0 22	3 16	1 32	24 34	6 30	5 59	6 6	25 58	14 22	2 36
S 29	21 28	21 2	2 59	17 41	0 58	8 40	1 28	2 34	0 21	20 47	0 36	22 43	0 19	23 22	0 22	3 16	1 32	24 34	6 30	6 1	6 8	25 57	14 21	2 36
S 30	21 s38	15 s44	1 s53	18s10	0n51	8 s45	1n35	2n44	0s19	20 s45	0 s36	22 s43	0n19	23n22	0n22	3 s 1 7	1n32	24 s33	6s30	6s 2	6s 9	25n55	14n21	2 s36

Julian Day Number = 2372591.5, Delta T = 22.28 sec Ecliptic obliquity = 23°28'12, Nutation =  $0^{\circ}00'03$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}43'20$ , Lahiri =  $20^{\circ}50'20$ Greg. Calendar

DECEMBER 1783 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)ұ(	¥	Р	S.	v	Ç	ķ	Day
M 1	4 38 54	8 <b>∡</b> 745'24	6 <b>)</b> €41	26M21	27 <b>♀</b> 6	7 <b>Υ</b> 56	0≈19	10 <b>ට</b> 51	11°R 5	11 <b>≏</b> 53	8≈ 1	14°R42	14 <b>)</b> (21	2195 4	16°R35	M 1
T 2	4 42 50	9°46'18	20°18	27°53	27°43	8°16	0°30	10°57	1195 3	11°55	8° 2	14 <b>) (</b> 42	14°18	21°10	16 <b>8</b> 32	T 2
W 3	4 46 47	10°47'12	3 <b>Ƴ</b> 37	29°26	28°21	8°36	0°42	11° 4	11° 1	11°56	8° 3	14°41	14°15	21°17	16°29	W 3
T 4	4 50 43	11°48'08	16°41	0 <b>₹</b> 59	29° 1	8°56	0°53	11°10	10°58	11°57	8° 4	14°38	14°12	21°24	16°27	T 4
F 5	4 54 40	12°49'04	29°32	2°31	29°42	9°17	1° 5	11°17	10°56	11°59	8° 6	14°32	14° 8	21°30	16°24	F 5
S 6	4 58 36	13°50'01	12812	4° 4	0 <b>M</b> 24	9°39	1°17	11°23	10°54	12° 0	8° 7	14°23	14° 5	21°37	16°21	S 6
S 7	5 2 33	14°50'58	24°42	5°37	1° 7	10° 1	1°29	11°30	10°52	12° 1	8° 8	14°11	14° 2	21°44	16°18	S 7
M 8	5 6 30	15°51'57	7 <b>I</b> I 3	7°10	1°51	10°23	1°41	11°36	10°50	12° 2	8° 9	13°57	13°59	21°51	16°16	M 8
T 9	5 10 26	16°52'56	19°15	8°44	2°36	10°46	1°53	11°43	10°47	12° 4	8°11	13°43	13°56	21°57	16°13	T 9
W10	5 14 23	17°53'57	19519	10°17	3°22	11° 9	2° 5	11°50	10°45	12° 5	8°12	13°28	13°53	22° 4	16°10	W10
T 11 F 12	5 18 19	18°54'58 19°56'00	13°16 25° 8	11°50 13°24	4° 9 4°58	11°32 11°56	2°17 2°29	11°56 12° 3	10°43 10°40	12° 6 12° 7	8°13 8°14	13°15 13° 4	13°49 13°46	22°11 22°17	16° 8 16° 5	T 11 F 12
S 13	5 22 16 5 26 12	20°57'03	6 <b>Ω</b> 56	13°24 14°57	5°47	12°20	2°42	12° 3	10°40 10°38	12° /	8°14 8°16	13° 4 12°56	13°43	22°24	16° 3	S 13
S 14	5 30 9	21°58'06	18°45	16°31	6°36	12°45	2°54	12°17	10°35	12° 9	8°17	12°52	13°40	22°31	16° 0	S 14
M15	5 34 6	22°59'11	0 <b>m</b> 38	18° 5	7°27	13° 9	3° 6	12°23	10°33	12°10	8°19	12°49	13°37	22°37	15°58	M15
T 16	5 38 2	24° 0'16	12°39	19°39	8°19	13°34	3°19	12°30	10°31	12°11	8°20	12°D49	13°33	22°44	15°56	T 16
W17	5 41 59 5 45 55	25° 1'22 26° 2'29	24°56 7 <b>Ω</b> 31	21°13 22°47	9°11 10°4	14° 0 14°26	3°32 3°44	12°37 12°44	10°28 10°26	12°12 12°13	8°21 8°23	12°R49 12°48	13°30 13°27	22°51 22°57	15°53 15°51	W17 T 18
T 18 F 19	5 49 52	26° 2'29 27° 3'37	20°32	24°22	10° 4	14°26 14°52	3°57	12°44 12°51	10°26 10°23	12°13	8°24	12°48	13°27	23° 4	15°49	F 19
S 20	5 53 48	28° 4'45	4ML 1	25°57	11°52	14 32 15°18	4°10	12°58	10°23	12°15	8°26	12°42	13°21	23°11	15°47	S 20
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S 21	5 57 45	29° 5'55 0 <b>る</b> 7'05	18° 1	27°31 29° 7	12°47	15°45	4°23	13° 5	10°18	12°16	8°27	12°34	13°18	23°18	15°45	S 21
M22 T 23	6 1 41 6 5 38	0 <b>る</b> 7'05 1° 8'15	2 <b>₹</b> 29 17°23	29° / 0 <b>云</b> 42	13°42 14°38	16°12 16°39	4°36 4°49	13°12 13°19	10°16 10°13	12°16 12°17	8°29 8°30	12°25 12°14	13°14 13°11	23°24 23°31	15°43 15°41	M22 T 23
W24	6 9 3 5	2° 9'26	2 <b>ろ</b> 32	2°18	15°35	16 39 17° 6	5° 2	13°26	10°13	12 17 12°18	8°32	12 14 12° 3	13° 8	23°38	15°39	W24
T 25	6 13 31	3°10'37	17°47	3°53	16°32	17°34	5°15	13°23	10° 10	12°19	8°33	11°53	13° 5	23°44	15°37	T 25
F 26	6 17 28	4°11'48	2 <b>≈</b> 57	5°30	17°30	18° 2	5°28	13°40	10° 5	12°19	8°35	11°46	13° 2	23°51	15°35	F 26
S 27	6 21 24	5°13'00	17°52	7° 6	18°29	18°30	5°42	13°47	10° 3	12°20	8°36	11°41	12°59	23°58	15°33	S 27
S 28	6 25 21	6°14'11	2 <b>₩</b> 26	8°43	19°27	18°59	5°55	13°54	10° 0	12°20	8°38	11°39	12°55	24° 4	15°31	S 28
M29	6 29 17	7°15'22	16°34	10°20	20°27	19°28	6° 8	14° 1	9°57	12°21	8°40	11°D38	12°52	24°11	15°30	M29
T 30	6 33 14	8°16'32	0 <b>Υ</b> 17	11°57	21°27	19°56	6°22	14° 8	9°55	12°21	8°41	11°39	12°49	24°18	15°28	T 30
W31	6 37 10	9 <b>ප</b> 17'43	13 <b>Y</b> 36	13 <b>る</b> 35	22 <b>M</b> 27	20Υ26	6≈35	14 <b>පි</b> 15	9952	12 <b>≏</b> 22	8≈43	11°R39	12 <b>)</b> 46	249524	15827	W31

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S 28 M29 T 30 W31	23 19 23 16 23 13 23 s 9	4 54 0n26 1n36 1 38	-	1 53 14 22 1 56 14 37 1 59 14 53 2s 1 15s 8	3 22 7 5 3 23 8 3 23 8 2 3n23 8n3	9 0 35 2 0 36	19 25 19 22 19 18 19 18	0 37 0 37	22 28 22 27 22 26 22 s26	0 17 0 17	23 28 23 28 23 28 23n28	0 22 0 22	3 27 1 3 27 1	34 24 22 34 24 21 34 24 21 n34 24s20	6 28 6 28	7 12 7 12 7 12 7 s12	6 43 6 44 6 45 6 s47	25 7		2 35 2 35 2 35 2 s35

Julian Day Number = 2372621.5, Delta T = 22.28 sec Ecliptic obliquity = 23°28'11, Nutation =  $0^{\circ}00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $21^{\circ}43'24$ , Lahiri =  $20^{\circ}50'24$ Greg. Calendar