

Astrodienst Ephemeris Tables for the year 1770

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 1770 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	₽.	v	Ç	ę,	Day
M 1	6 42 40	10 3 43'49	22≈55	5 云 35	20 х 13	15 ∡ 747	11 ∡ 745	0°R14	7°R37	11°R42	15 ප 15	14°R38	13 ∡ 28	24 × ⁷ 45	20 ∺ 7	M 1
T 2	6 46 37	11°45'00	5) 19	7°10	21°28	16°30	11°58	ON 9	7 8 36	11 m 42	15°17	14 × ⁷ 33	13°25	24°52	20° 8	T 2
W 3	6 50 33	12°46'11	17°57	8°46	22°43	17°14	12°10	0° 5	7°36	11°41	15°19	14°30	13°22	24°58	20°10	W 3
T 4	6 54 30	13°47'21	0 Υ 50	10°22	23°58	17°57	12°23	29959	7°35	11°40	15°21	14°28	13°19	25° 5	20°12	T 4
F 5	6 58 26	14°48'31	14° 3	11°58	25°13	18°41	12°35	29°55	7°34	11°40	15°23	14°D27	13°15	25°12	20°14	F 5
S 6	7 2 23	15°49'40	27°37	13°35	26°28	19°24	12°47	29°51	7°34	11°39	15°25	14°27	13°12	25°18	20°16	S 6
S 7	7 6 20	16°50'49	11834	15°13	27°43	20° 8	13° 0	29°46	7°33	11°38	15°27	14°29	13° 9	25°25	20°18	S 7
M 8	7 10 16	17°51'57	25°54	16°51	2 <u>8</u> °59	20°51	13°12	29°41	7°33	11°37	15°29	14°30	13° 6	25°32	20°20	M 8
T 9	7 14 13	18°53'04	10耳35	18°29	0 궁 14	21°35	13°24	29°36	7°33	11°36	15°31	14°R31	13° 3	25°38	20°22	T 9
W10	7 18 9	19°54'11	25°34	20° 8	1°29	22°19	13°36	29°32	7°32	11°35	15°33	14°31	12°59	25°45	20°24	W10
T 11	7 22 6	20°55'18	109541	21°47	2°44	23° 3	13°49	29°27	7°32	11°35	15°36	14°29	12°56	25°52	20°26	T 11
F 12	7 26 2	21°56'24	25°49	23°27	3°59	23°46	14° 1	29°22	7°32	11°34	15°38	14°25	12°53	25°58	20°29	F 12
S 13	7 29 59	22°57'29	10 Ω 48	25° 7	5°14	24°30	14°12	29°17	7°32	11°33	15°40	14°19	12°50	26° 5	20°31	S 13
S 14	7 33 55	23°58'34	25°29	26°48	6°30	25°14	14°24	29°12	7°32	11°32	15°42	14°13	12°47	26°11	20°33	S 14
M15	7 37 52	24°59'39	9 m /45	28°29	7°45	25°58	14°36	29° 7	7°D32	11°31	15°44	14° 6	12°44	26°18	20°36	M15
T 16	7 41 49	26° 0'43	23°32	0≈11	9° 0	26°42	14°48	29° 2	7°32	11°30	15°46	14° 1	12°40	26°25	20°38	T 16
W17	7 45 45	27° 1'47	6 ₽ 50	1°53	10°15	27°26	15° 0	28°57	7°32	11°29	15°48	13°57	12°37	26°31	20°41	W17
T 18	7 49 42	28° 2'50	19°42	3°36	11°30	28°10	15°11	28°52	7°32	11°28	15°50	13°55	12°34	26°38	20°43	T 18
F 19	7 53 38	29° 3'53	2M10	5°19	12°45	28°54	15°23	28°47	7°32	11°26	15°52	13°D55	12°31	26°45	20°46	F 19
S 20	7 57 35	0≈ 4'55	14°20	7° 2	14° 1	29°38	15°34	28°42	7°32	11°25	15°54	13°55	12°28	26°51	20°48	S 20
S 21	8 1 31	1° 5'57	26°17	8°46	15°16	0 궁 22	15°46	28°37	7°33	11°24	15°56	13°57	12°25	26°58	20°51	S 21
M22	8 5 28	2° 6'59	8 才 6	10°30	16°31	1° 6	15°57	28°33	7°33	11°23	15°58	13°R58	12°21	27° 5	20°54	M22
T 23	8 9 24	3° 8'00	19°52	12°14	17°46	1°51	16° 8	28°28	7°33	11°22	16° 0	13°58	12°18	27°11	20°56	T 23
W24	8 13 21	4° 9'00	1 궁 38	13°59	19° 1	2°35	16°19	28°23	7°34	11°20	16° 2	13°56	12°15	27°18	20°59	W24
T 25	8 17 18	5° 9'59	13°30	15°43	20°17	3°19	16°30	28°18	7°34	11°19	16° 4	13°52	12°12	27°25	21° 2	T 25
F 26	8 21 14	6°10'58	25°28	17°27	21°32	4° 3	16°41	28°13	7°35	11°18	16° 6	13°45	12° 9	27°31	21° 5	F 26
S 27	8 25 11	7°11'55	7≈35	19°11	22°47	4°48	16°52	28° 8	7°35	11°17	16° 8	13°36	12° 5	27°38	21° 7	S 27
S 28	8 29 7	8°12'52	19°53	20°54	24° 2	5°32	17° 3	28° 3	7°36	11°15	16° 9	13°26	12° 2	27°45	21°10	S 28
M29	8 33 4	9°13'47	2) (21	22°36	25°17	6°17	17°14	27°58	7°37	11°14	16°11	13°15	11°59	27°51	21°13	M29
T 30	8 37 0	10°14'41	15° 1	24°18	26°32	7° 1	17°24	27°54	7°37	11°13	16°13	13° 4	11°56	27°58	21°16	T 30
W31	8 40 57	11≈15'34	27) 52	25≈58	27 る 48	7 ح 46	17 × 35	279549	7 8 38	11 Mp 11	16 궁 15	12 × 755	11 ×7 53	28 ×7 5	21 米 19	W31

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M 1	23 s 2	9s18	4n52	24 s47	1 s26	22 s30	0n37	22 s57	0s15	21 s38	0n36	20n26	0n19	13n40	0 s 2 6	8n 3	0n56	22 s 3	0n33	22 s35	22 s27	22 s21	0 s 2 0	3n54
T 2	22 57	-	-	24 47	1 30		0 34			21 40		20 27	0 19	-							22 26		0 19	3 54
W 3	22 51	-	-	24 45	1 35					21 41		20 28		13 39				-			22 26		0 19	3 54
T 4	22 45			24 43	1 39			23 12		21 43		20 29	0 19								22 25		0 18	3 54
F 5	22 39			24 38	1 43			23 17		21 45		20 30	0 19								22 25		0 18	3 53
S 6	22 32	14 12	3 49	24 33	1 47	23 1	0 24	23 21	0 18	21 46	0 35	20 31	0 19	13 39	0 25	8 4	0 56	22 3	0 32	22 34	22 25	22 18	0 17	3 53
S 7	22 24	18 2	2 51	24 25	1 50	23 5		23 25	0 19	21 48	0 35	20 33	0 19	13 39	0 25	8 4	0 56	22 2	0 32	22 34	22 24	22 18	0 17	3 53
M 8	-		-	24 17	1 53			23 29		21 50		20 34		13 39				22 2			22 24		0 16	3 53
T 9		22 25	0 22		1 56			23 32		21 51		20 35		13 39								22 16	0 16	3 52
W10				23 55	1 58	-		23 36		21 53		20 36		13 39							22 23		0 15	3 52
T 11	21 50		-	23 41	2 1			23 39		21 54		20 37		13 39			0 56				22 23		0 14	3 52
F 12	21 41			23 26				23 42		21 56		20 38		13 39			0 56				22 22		0 14	3 52
S 13	21 31	13 23	4 19	23 10	2 4	23 16	0 6	23 44	0 23	21 57	0 35	20 39	0 20	13 39	0 25	8 7	0 56	22 2	0 31	22 33	22 22	22 14	0 13	3 51
S 14	21 20	8 25		22 52				23 47		21 58		20 40		13 39			0 56				22 21		0 12	3 51
M15	21 10	3 9		22 32		_		23 49	0 24		0 35	-	0 20				0 56				22 21		0 12	3 51
T 16	20 58	2s 7			2 5			23 51	0 25		0 35		0 20				0 57				22 21		0 11	3 51
W17	20 47	7 6		21 48	2 5	23 9	0 4		0 26		0 35		0 21				0 57				22 20		0 10	3 50
T 18		11 36	4 12		2 5	23 5		23 54	0 27		0 35		0 21				0 57				22 20		0 9	3 50
F 19 S 20		15 29 18 36		20 57 20 30				23 55 23 56	0 27 0 28		0 35	20 46 20 47	0 21 0 21				0 57 0 57				22 19 22 19		0 8	3 50 3 50
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S 21		20 52	1 34		1 59			23 57	0 29			20 48	0 21					-			22 19		0 7	3 50
M22		22 12		19 30		22 43		23 57	0 29			20 49	0 21				0 57	-			22 18		0 6	3 49
T 23		22 33		18 58	1 53			23 57		22 10		20 50	0 21				0 57	22 0	0 31		22 18		0 5	3 49
W24		21 54		18 24	1 49			23 57		22 11		20 52	0 21					-	0 31		22 17		0 4	3 49
T 25 F 26		20 15 17 43		17 49	1 45 1 39			23 57		22 12		20 53 20 54	0 21 0 22					-			22 17		0 3	3 49 3 48
S 27		17 43		17 12 16 34	1 39			23 56 23 56		22 13 22 14		20 54		13 40							22 17 22 16		0 2 0 2	3 48
S 28	_			15 55		21 50		23 55		22 15		20 56		13 40				21 59			22 16		0 1	3 48
M29	17 58	5 59		15 15		21 39		23 53		22 16		20 57		13 41	0 25			21 59			22 15		0n 0	3 48
T 30	17 42			14 34		21 27		23 52		22 17		20 58		13 41	0 25			21 59			22 15		0 1	3 48
W31	17 s25	3n39	4n55	13 s52	1s 3	21 s15	0s38	23 s50	0s35	22 s 18	0n35	20n59	0n22	13n41	0 s25	8n15	0n57	21 s59	0n30	22 s23	22 s14	22 s 1	0n 2	3n47

 $\label{eq:Julian Day Number = 2367539.5, Delta T = 21.14 sec} \\ Ecliptic obliquity = 23°28'06, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°31'45, Lahiri = 20°38'45Greg. Calendar$

00:00 UT FEBRUARY 1770

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(卉	Р	ß	Ω	ţ	Ŷ,	Day
T 1	8 44 53	12≈16'26	10 Υ 55	27≈36	29궁 3	8 ට 30	17 ∡ 745	27°R44	7 8 39	11°R10	16 ට 17	12°R48	11 × 750	28 × 11	21 米 22	T 1
F 2	8 48 50	13°17'16	24°12	29°12	0≈18	9°15	17°55	27939	7°40	11 Mp 8	16°19	12 ×7 44	11°46	28°18	21°25	F 2
S 3	8 52 47	14°18'04	7 8 43	0) €45	1°33	9°59	18° 6	27°35	7°41	11° 7	16°21	12°43	11°43	28°24	21°28	S 3
S 4	8 56 43	15°18'51	21°30	2°14	2°48	10°44	18°16	27°30	7°42	11° 5	16°23	12°D42	11°40	28°31	21°32	S 4
M 5	9 0 40	16°19'37	5 Ⅱ 34	3°40	4° 3	11°29	18°26	27°26	7°43	11° 4	16°25	12°R43	11°37	28°38	21°35	M 5
T 6	9 4 36	17°20'21	19°54	5° 2	5°18	12°13	18°36	27°21	7°44	11° 3	16°26	12°43	11°34	28°44	21°38	T 6
W 7	9 8 33	18°21'03	49529	6°18	6°33	12°58	18°46	27°17	7°45	11° 1	16°28	12°41	11°31	28°51	21°41	W 7
T 8	9 12 29	19°21'44	19°13	7°28	7°48	13°43	18°55	27°12	7°46	11° 0	16°30	12°37	11°27	28°58	21°44	T 8
F 9	9 16 26	20°22'23	4 Ω 2	8°31	9° 4	14°28	19° 5	27° 8	7°48	10°58	16°32	12°30	11°24	29° 4	21°48	F 9
S 10	9 20 22	21°23'01	18°48	9°27	10°19	15°12	19°14	27° 4	7°49	10°56	16°33	12°20	11°21	29°11	21°51	S 10
S 11	9 24 19	22°23'37	3 m 21	10°15	11°34	15°57	19°24	27° 0	7°50	10°55	16°35	12° 9	11°18	29°18	21°54	S 11
M12	9 28 16	23°24'12	17°35	10°54	12°49	16°42	19°33	26°55	7°52	10°53	16°37	11°58	11°15	29°24	21°57	M12
T 13	9 32 12	24°24'45	1 ≏ 24	11°24	14° 4	17°27	19°42	26°51	7°53	10°52	16°39	11°47	11°11	29°31	22° 1	T 13
W14	9 36 9	25°25'17	14°47	11°44	15°19	18°12	19°51	26°47	7°55	10°50	16°40	11°39	11°8	29°38	22° 4	W14
T 15	9 40 5	26°25'48	27°44	11°R53	16°34	18°57	20° 0	26°43	7°56	10°49	16°42	11°33	11° 5	29°44	22° 8	T 15
F 16	9 44 2	27°26'17	10 M .16	11°53	17°49	19°42	20° 9	26°39	7°58	10°47	16°44	11°30	11° 2	29°51	22°11	F 16
S 17	9 47 58	28°26'45	22°29	11°42	19° 4	20°27	20°17	26°36	7°59	10°45	16°45	11°28	10°59	29°58	22°14	S 17
S 18	9 51 55	29°27'12	4 ₹ 28	11°21	20°19	21°12	20°26	26°32	8° 1	10°44	16°47	11°D28	10°56	0중 4	22°18	S 18
M19	9 55 51	0) €27'37	16°18	10°51	21°34	21°57	20°34	26°28	8° 3	10°42	16°48	11°R28	10°52	0°11	22°21	M19
T 20	9 59 48	1°28'01	28° 5	10°13	22°49	22°42	20°42	26°25	8° 5	10°40	16°50	11°27	10°49	0°18	22°25	T 20
W21	10 3 45	2°28'24	9 궁 53	9°26	24° 4	23°27	20°51	26°21	8° 6	10°39	16°52	11°24	10°46	0°24	22°28	W21
T 22	10 741	3°28'45	21°48	8°33	25°19	24°13	20°59	26°18	8° 8	10°37	16°53	11°18	10°43	0°31	22°32	T 22
F 23	10 11 38	4°29'04	3≈54	7°36	26°34	24°58	21° 6	26°14	8°10	10°35	16°55	11°10	10°40	0°38	22°35	F 23
S 24	10 15 34	5°29'22	16°12	6°34	27°49	25°43	21°14	26°11	8°12	10°34	16°56	10°58	10°37	0°44	22°39	S 24
S 25	10 19 31	6°29'38	28°44	5°31	29° 4	26°28	21°22	26° 8	8°14	10°32	16°58	10°45	10°33	0°51	22°43	S 25
M26	10 23 27	7°29'53	11) 30	4°27	0 ∺ 19	27°14	21°29	26° 5	8°16	10°30	16°59	10°31	10°30	0°57	22°46	M26
T 27	10 27 24	8°30'05	24°31	3°25	1°34	27°59	21°37	26° 2	8°18	10°29	17° 1	10°18	10°27	1° 4	22°50	T 27
W28	10 31 20	9 ∺ 30'16	7 Ƴ 43	2) 25	2){ 49	28 중 44	21 ~ 144	25959	8 8 20	10 m 27	17る 2	10 ∡ 6	10 ∡ 124	1 ਰ 11	22 米 53	W28

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T 1	17 s 8	8n27	4n29	13 s 9	0s53	21 s 1	0 s40	23 s48	0s36	22 s 19	0n35	21n 0	0n22	13n41	0 s25	8n16	0n57	21 s59	0n30	22 s22	22 s14	22 s 0	0n 3	3n47
F 2	16 51	12 57	3 49	12 26	0 43	20 48		23 46		22 20	0 35		0 22	13 42	0 25	8 17	0 57	21 59				21 59	0 4	3 47
S 3	16 34	16 52	2 56	11 43	0 31	20 33	0 44	23 43	0 38	22 21	0 35	21 2	0 22	13 42	0 25	8 17	0 57	21 59	0 30	22 21	22 13	21 59	0 5	3 47
S 4	16 16	19 57	1 51	11 0	0 20	20 18	0 46	23 40	0 38	22 22	0 35	21 3	0 22	13 42	0 25	8 18	0 57	21 58	0 30	22 21	22 13	21 58	0 6	3 47
M 5	15 58	21 53	0 38	10 17		20 3		23 37	0 39	22 23	0 35			13 43		8 18	0 57	21 58				21 57	0 8	3 47
T 6	15 39	22 27	0s38	9 35	0n 7	19 47		23 34	0 40	22 24	0 35	21 5	0 23	13 43	0 25	8 19	0 57	21 58				21 56	0 9	3 46
W 7	15 21	21 30	1 53	8 54	0 21	19 30		23 30	0 40	22 25	0 35	21 6	0 23	13 44	0 25	8 19	0 57	21 58				21 56	0 10	3 46
T 8	15 2	19 6	3 1	8 14				23 27		22 26	0 35			13 44		8 20		21 58				21 55	0 11	3 46
F 9	14 43	15 25	3 58	7 36	0 50	18 55	0 56	23 22	0 42	22 26	0 35	21 8	0 23	13 44	0 24	8 21	0 57	21 58		-	22 11	-	0 12	3 46
S 10	14 23	10 48	4 38	7 1	1 6	18 36	0 58	23 18	0 42	22 27	0 35	21 9	0 23	13 45	0 24	8 21	0 57	21 58	0 29	22 18	22 10	21 53	0 13	3 46
S 11	14 4	5 39	4 59	6 28	1 22	18 17	0 59	23 14	0 43	22 28	0 35	21 10	0 23	13 45	0 24	8 22	0 57	21 57	0 29	22 17	22 10	21 52	0 14	3 46
M12	13 44	0 18	5 1	5 59	1 38	17 58	1 1	23 9	0 44	22 29	0 35	21 11	0 23	13 46	0 24	8 22	0 57	21 57	0 29	22 15	22 9	21 52	0 15	3 45
T 13	13 24	4 s 5 5	4 45	5 33	1 54	17 38	1 3	23 4	0 45	22 29	0 35	21 11	0 23	13 46	0 24	8 23	0 57	21 57	0 29	22 14	22 9	21 51	0 17	3 45
W14	13 4	9 44	4 14	5 11	2 10	17 17	1 4	22 59	0 45	22 30	0 35	21 12	0 23	13 47	0 24	8 24	0 57	21 57	0 29	22 13	22 8	21 50	0 18	3 45
T 15	12 43	13 57	3 30	4 53	2 25	16 56	1 6	22 53	0 46	22 31	0 35	21 13	0 23	13 47	0 24	8 24	0 57	21 57	0 29	22 12	22 8	21 49	0 19	3 45
F 16	12 23	17 25	2 38	4 39	2 40	16 35	1 8	22 47	0 47	22 31	0 35	21 14	0 23	13 48	0 24	8 25	0 57	21 57	0 29	22 11	22 7	21 48	0 20	3 45
S 17	12 2	20 1	1 39	4 31	2 53	16 13	1 9	22 41	0 47	22 32	0 35	21 15	0 24	13 48	0 24	8 26	0 57	21 57	0 28	22 11	22 7	21 47	0 21	3 45
S 18	11 41	21 40	0 37	4 27	3 6	15 51	1 10	22 35	0 48	22 33	0 35	21 16	0 24	13 49	0 24	8 26	0 57	21 57	0 28	22 11	22 7	21 47	0 23	3 44
M19	11 19	22 20	0n26	4 28	3 17	15 28	1 12	22 29	0 49	22 33	0 35	21 16	0 24	13 50	0 24	8 27	0 57	21 57	0 28	22 11	22 6	21 46	0 24	3 44
T 20	10 58	22 0	1 27	4 34	3 26	15 5	1 13	22 22	0 49	22 34	0 35	21 17	0 24	13 50	0 24	8 28	0 57	21 56	0 28	22 11	22 6	21 45	0 25	3 44
W21	10 36	20 42	2 25	4 44	3 34	14 41	1 14	22 15	0 50	22 34	0 35	21 18	0 24	13 51	0 24	8 28	0 57	21 56	0 28	22 11	22 5	21 44	0 26	3 44
T 22	10 15	18 28	3 16	4 59	3 39	14 17	1 15	22 8	0 51	22 35	0 35	21 19	0 24	13 51	0 24	8 29	0 57	21 56	0 28	22 10	22 5	21 43	0 28	3 44
F 23	9 53	15 25	4 0	5 17	3 43	13 52	1 17	22 0	0 51	22 35	0 35	21 19	0 24	13 52	0 24	8 29	0 57	21 56	0 28	22 9	22 4	21 42	0 29	3 44
S 24	9 31	11 39	4 33	5 39	3 44	13 28	1 18	21 53	0 52	22 36	0 35	21 20	0 24	13 53	0 24	8 30	0 57	21 56	0 28	22 7	22 4	21 41	0 30	3 44
S 25	9 8	7 20	4 54	6 3	3 43	13 2	1 19	21 45	0 53	22 36	0 35	21 21	0 24	13 53	0 24	8 31	0 57	21 56	0 28	22 5	22 3	21 41	0 32	3 44
M26	8 46	2 38	5 0	6 29	3 40	12 37	1 20	21 37	0 53	22 37	0 35	21 21	0 24	13 54	0 24	8 31	0 57	21 56	0 28	22 3	22 3	21 40	0 33	3 43
T 27	8 24	2n16	4 51	6 56	3 34	12 11	1 20	21 28	0 54	22 37	0 35	21 22	0 24	13 55	0 24	8 32	0 57	21 56	0 28	22 1	22 3	21 39	0 34	3 43
W28	8 s 1	7n 9	4n26	$7 \mathrm{s} 24$	3n27	11 s45	1 s21	21 s20	0s55	22 s38	0n35	21n23	0n24	13n55	0 s24	8n33	0n57	$21\mathrm{s}56$	0n28	21 s59	22 s 2	21 s38	0n35	3n43

Julian Day Number = 2367570.5, Delta T = 21.15 sec Ecliptic obliquity = $23^{\circ}28'06$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}31'49$, Lahiri = $20^{\circ}38'50$ Greg. Calendar

MARCH 1770 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	R	v	Ç	ę,	Day
T 1	10 35 17	10) 30'24	21 ° 7	1°R28	4)	29 궁 30	21 × 751	25°R56	8 8 23	10°R25	17る 3	9°R57	10 × 21	1 궁 17	22) 57	T 1
F 2	10 39 14	11°30'31	4841	0 ∺ 36	5°19	0≈15	21°58	25953	8°25	10 m 24	17° 5	9 ∡ 751	10°17	1°24	23° 1	F 2
S 3	10 43 10	12°30'36	18°23	29≈50	6°33	1° 0	22° 4	25°51	8°27	10°22	17° 6	9°48	10°14	1°31	23° 4	S 3
S 4	10 47 7	13°30'38	2П13	29° 9	7°48	1°46	22°11	25°48	8°29	10°20	17° 7	9°46	10°11	1°37	23° 8	S 4
M 5	10 51 3	14°30'39	16°13	28°35	9° 3	2°31	22°17	25°46	8°32	10°19	17° 9	9°46	10° 8	1°44	23°11	M 5
T 6	10 55 0	15°30'37	0920	28° 8	10°18	3°17	22°24	25°43	8°34	10°17	17°10	9°46	10° 5	1°51	23°15	T 6
W 7	10 58 56	16°30'33	14°35	27°47	11°33	4° 2	22°30	25°41	8°36	10°15	17°11	9°44	10° 2	1°57	23°19	W 7
T 8	11 2 53	17°30'26	28°55	27°33	12°48	4°48	22°36	25°39	8°39	10°14	17°12	9°39	9°58	2° 4	23°22	T 8
F 9	11 6 49	18°30'17	13 Ω 17	27°25	14° 2	5°33	22°42	25°37	8°41	10°12	17°14	9°32	9°55	2°11	23°26	F 9
S 10	11 10 46	19°30'07	27°36	27°D24	15°17	6°19	22°47	25°35	8°44	10°10	17°15	9°21	9°52	2°17	23°30	S 10
S 11	11 14 43	20°29'54	11 m)47	27°29	16°32	7° 4	22°53	25°33	8°46	10° 9	17°16	9°10	9°49	2°24	23°34	S 11
M12	11 18 39	21°29'39	25°43	27°39	17°47	7°50	22°58	25°32	8°49	10° 7	17°17	8°58	9°46	2°31	23°37	M12
T 13	11 22 36	22°29'22	9 ≏ 20	27°56	19° 1	8°35	23° 3	25°30	8°51	10° 6	17°18	8°46	9°42	2°37	23°41	T 13
W14	11 26 32	23°29'03	22°36	28°17	20°16	9°21	23° 8	25°29	8°54	10° 4	17°19	8°37	9°39	2°44	23°45	W14
T 15	11 30 29	24°28'42	5 M 30	28°43	21°31	10° 7	23°13	25°27	8°57	10° 2	17°20	8°30	9°36	2°51	23°48	T 15
F 16	11 34 25	25°28'20	18° 3	29°14	22°45	10°52	23°18	25°26	8°59	10° 1	17°21	8°26	9°33	2°57	23°52	F 16
S 17	11 38 22	26°27'55	0 ∡ 17	29°49	24° 0	11°38	23°23	25°25	9° 2	9°59	17°22	8°24	9°30	3° 4	23°56	S 17
S 18	11 42 18	27°27'29	12°18	0 ∺ 29	25°15	12°24	23°27	25°24	9° 5	9°58	17°23	8°D24	9°27	3°11	23°59	S 18
M19	11 46 15	28°27'02	24°10	1°12	26°29	13° 9	23°31	25°23	9° 8	9°56	17°24	8°R24	9°23	3°17	24° 3	M19
T 20	11 50 11	29°26'32	5 云 58	1°59	27°44	13°55	23°35	25°22	9°11	9°54	17°25	8°24	9°20	3°24	24° 7	T 20
W21	11 54 8	0 Υ 26'01	17°49	2°49	28°59	14°41	23°39	25°21	9°13	9°53	17°26	8°22	9°17	3°31	24°10	W21
T 22	11 58 5	1°25'28	29°47	3°42	0 Υ 13	15°27	23°43	25°20	9°16	9°51	17°27	8°19	9°14	3°37	24°14	T 22
F 23	12 2 1	2°24'53	11 ≈ 57	4°39	1°28	16°12	23°46	25°20	9°19	9°50	17°27	8°12	9°11	3°44	24°18	F 23
S 24	12 5 58	3°24'16	24°22	5°38	2°43	16°58	23°49	25°19	9°22	9°48	17°28	8° 4	9° 8	3°51	24°21	S 24
S 25	12 9 54	4°23'37	7 ₩ 5	6°40	3°57	17°44	23°53	25°19	9°25	9°47	17°29	7°53	9° 4	3°57	24°25	S 25
M26	12 13 51	5°22'56	20° 7	7°44	5°12	18°30	23°56	25°19	9°28	9°45	17°30	7°42	9° 1	4° 4	24°29	M26
T 27	12 17 47	6°22'13	3 Υ 26	8°51	6°26	19°15	23°58	25°D19	9°31	9°44	17°30	7°32	8°58	4°10	24°32	T 27
W28	12 21 44	7°21'29	17° 2	10° 0	7°41	20° 1	24° 1	25°19	9°34	9°42	17°31	7°22	8°55	4°17	24°36	W28
T 29	12 25 40	8°20'42	0 8 51	11°12	8°55	20°47	24° 3	25°19	9°37	9°41	17°32	7°15	8°52	4°24	24°40	T 29
F 30	12 29 37	9°19'53	14°49	12°25	10°10	21°33	24° 6	25°19	9°40	9°40	1 <u>7</u> °32	7°10	8°48	<u>4°30</u>	24°43	F 30
S 31	12 33 34	10 Y 19'02	28 8 54	13 米 41	11 Y 24	22≈19	24 ⋌ 8	25920	9 8 43	9 ₥ 38	17 る 33	7 .₹ 8	8 . ₹45	4 궁 37	24) 47	S 31

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	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7 s38		3n47	7 s 5 2		11s18	-	21 s11		22 s38		21n23		13n56		8n33		21 s55				21 s37	0n37	3n43
F 2	,		2 54	8 20	3 8		-	21 2		22 39		21 24		13 57		8 34		21 55		21 57		21 36	0 38	3 43
S 3	6 52	19 5	1 51	8 47	2 57	10 24	1 23	20 53	0 57	22 39	0 35	21 24	0 25	13 58	0 24	8 35	0 58	21 55	0 27	21 57	22 1	21 35	0 39	3 43
S 4	6 29		0 40	9 13				20 44		22 39		21 25		13 58		8 35		21 55		21 57	-	21 34	0 41	3 43
M 5	6 6		0s34	9 37	2 31	9 29		20 34		22 40		21 25	0 25			8 36		21 55		21 57		21 34	0 42	3 43
T 6 W 7			1 46	9 59 10 20	2 17	9 1	-	20 24		22 40		21 26	0 25 0 25	-		8 37		21 55 21 55				21 33	0 44 0 45	3 43 3 43
T 8	5 20 4 57			10 20	2 3 1 49	8 33 8 5	1 26	20 14 20 4		22 40 22 41		21 26 21 27	0 25		0 24 0 24	8 37 8 38		21 55				21 32 21 31	0 45	3 43
F 9	4 33			10 54	1 35					22 41		21 27	0 25			8 38		21 55				21 30	0 48	3 42
S 10	4 10		4 55		1 20	7 8	1 26	19 43		22 41	0 35	21 28	0 25			8 39	0 58	21 55				21 29	0 49	3 42
S 11	3 46	2 31	5 1	11 20	1 6	6 39	1 26	19 32	1 2	22 42	0 35	21 28	0 25	14 4	0 24	8 40	0 58	21 55	0 27	21 51	21 57	21 28	0 50	3 42
M12	3 23	2 s 42	4 48	11 29	0 52	6 10	1 26	19 21	1 3	22 42	0 35	21 28	0 25	14 5	0 24	8 40	0 58	21 55	0 27	21 49	21 56	21 27	0 52	3 42
T 13	2 59			11 37	0 38	5 40	1 26	19 9				21 29	0 25			8 41	0 58					21 26	0 53	3 42
W14	2 35			11 42	0 25	5 11	1 26	18 58		_		21 29	0 25			8 42						21 25	0 55	3 42
T 15	2 12			11 45	0 12	4 41	1 26	18 46		22 43		21 29	0 25			8 42	0 58	-				21 24	0 56	3 42
F 16	1 48		-	11 46	0s 0	4 11				22 43		21 30	0 25			8 43		-				21 23	0 57	3 42
S 17	1 24	20 56	0 43	11 45	0 13	3 42	1 26	18 22	1 6	22 43	0 35	21 30	0 25	14 9	0 24	8 43	0 58	21 54	0 26	21 44	21 54	21 22	0 59	3 42
S 18				11 42	0 24	3 12	-	18 10	1 7	5		21 30		14 10		8 44		21 54				21 21	1 0	3 42
M19			-	11 37	0 35	2 42	1 25	17 58	1 7	22 44	0 35		0 26		0 24	8 45	0 58	-				21 20	1 2	3 42
T 20 W21	0 13 0n10			11 30 11 21	0 46 0 56	2 11 1 41		17 45 17 33		22 44 22 44		21 31 21 31		14 12 14 13		8 45 8 46	0 58 0 58	-				21 19 21 18	1 3	3 42 3 42
T 22			-	11 11	1 6	1 11				22 44		21 31		14 13		8 46		21 54				21 17	1 6	3 42
F 23	0 58			10 59	1 15	0 41				22 44		21 31		14 15		8 47		21 54				21 16	1 7	3 42
S 24	1 21	-		10 45	1 23	0 10		16 53		22 44		21 31		14 16		8 47		21 54				21 15	1 9	3 42
S 25	1 45	4 13	5 3	10 30	1 32	0n20	1 21	16 40	1 11	22 45	0 35	21 31	0 26	14 17	0 23	8 48	0 58	21 54	0 26	21 39	21 50	21 14	1 10	3 42
M26	2 8	0n37	4 57	10 13	1 39	0 50	1 20	16 26	1 12	22 45	0 35	21 32	0 26	14 18	0 23	8 49	0 58	21 54	0 25	21 37	21 50	21 13	1 12	3 41
T 27	2 32	5 33	4 33	9 54	1 46	1 21	1 19	16 12	1 12	22 45	0 35	21 32	0 26	14 19	0 23	8 49	0 58	21 54	0 25	21 36	21 49	21 12	1 13	3 41
W28	2 55	10 19	3 55	9 34	1 53	1 51	1 19	15 59		22 45		21 32	0 26	-	0 23	8 50	0 58	21 54				21 11	1 14	3 41
T 29	3 19		3 1	9 12	1 59	2 21				22 45		21 32		14 21	0 23	8 50		21 54				21 10	1 16	3 41
F 30	3 42		1 57	8 49	2 4	2 51	-			22 45		21 32		14 22		8 51		21 54			-	21 9	1 17	3 41
S 31	4n 5	20n39	0n44	8 s25	2s 9	3n22	1s15	15 s16	1s15	22 s45	0n35	21n32	0n26	14n23	0 s23	8n51	0n58	21 s54	0n25	21 s32	21 s47	21s 8	1n19	3n41

Julian Day Number = 2367598.5, Delta T = 21.17 sec Ecliptic obliquity = 23°28'07, Nutation = $0^\circ00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^\circ31'53$, Lahiri = $20^\circ38'54$ Greg. Calendar

APRIL 1770 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ)/j(¥	Р	v	Ω	Ç	ę,	Day
S 1	12 37 30	11 Y 18'08	13 II 2	14) 58	12 Y 39	23≈ 5	24 ₹ 9	25920	9 8 47	9°R37	17 る 33	7°D 8	8 ∡ 742	4 중 44	24) (50	S 1
M 2	12 41 27	12°17'13	27°11	16°18	13°53	23°50	24°11	25°21	9°50	9 m 35	17°34	7 ₹ 7 9	8°39	4°50	24°54	M 2
T 3	12 45 23	13°16'15	119519	17°39	15° 7	24°36	24°13	25°21	9°53	9°34	17°34	7°R 9	8°36	4°57	24°57	T 3
W 4	12 49 20	14°15'14	25°26	19° 2	16°22	25°22	24°14	25°22	9°56	9°33	17°35	7° 9	8°33	5° 4	25° 1	W 4
T 5	12 53 16	15°14'12	$9\Omega 30$	20°27	17°36	26° 8	24°15	25°23	9°59	9°31	17°35	7° 6	8°29	5°10	25° 4	T 5
F 6	12 57 13	16°13'06	23°30	21°54	18°51	26°54	24°16	25°24	10° 3	9°30	17°36	7° 2	8°26	5°17	25° 8	F 6
S 7	13 1 9	17°11'59	7 m 22	23°22	20° 5	27°39	24°17	25°25	10° 6	9°29	17°36	6°55	8°23	5°24	25°11	S 7
S 8	13 5 6	18°10'49	21° 5	24°52	21°19	28°25	24°17	25°27	10° 9	9°28	17°36	6°47	8°20	5°30	25°15	S 8
M 9	13 9 3	19° 9'37	4 Ω 35	26°24	22°33	29°11	24°18	25°28	10°12	9°26	17°37	6°39	8°17	5°37	25°18	M 9
T 10	13 12 59	20° 8'23	17°50	27°57	23°48	29°57	24°R18	25°29	10°16	9°25	17°37	6°31	8°13	5°44	25°22	T 10
W11	13 16 56	21° 7'08	0 M .49	29°32	25° 2	0) €43	24°18	25°31	10°19	9°24	17°37	6°25	8°10	5°50	25°25	W11
T 12	13 20 52	22° 5'50	13°31	1 Υ 9	26°16	1°29	24°18	25°33	10°22	9°23	17°37	6°21	8° 7	5°57	25°29	T 12
F 13	13 24 49	23° 4'30	25°57	2°47	27°30	2°14	24°17	25°34	10°26	9°22	17°38	6°18	8° 4	6° 4	25°32	F 13
S 14	13 28 45	24° 3'09	8 . ₹8	4°26	28°45	3° 0	24°17	25°36	10°29	9°21	17°38	6°D18	8° 1	6°10	25°35	S 14
S 15	13 32 42	25° 1'46	20° 8	6° 8	29°59	3°46	24°16	25°38	10°32	9°20	17°38	6°18	7°58	6°17	25°39	S 15
M16	13 36 38	26° 0'21	2号 0	7°51	1813	4°32	24°15	25°40	10°36	9°19	17°38	6°20	7°54	6°24	25°42	M16
T 17	13 40 35	26°58'54	13°50	9°36	2°27	5°18	24°14	25°43	10°39	9°18	17°38	6°21	7°51	6°30	25°45	T 17
W18	13 44 31	27°57'26	25°41	11°22	3°41	6° 4	24°13	25°45	10°42	9°17	17°38	6°R22	7°48	6°37	25°48	W18
T 19	13 48 28	28°55'56	7≈40	13°10	4°55	6°49	24°11	25°47	10°46	9°16	17°R38	6°22	7°45	6°44	25°52	T 19
F 20	13 52 25	29°54'25	19°51	14°59	6° 9	7°35	24° 9	25°50	10°49	9°15	17°38	6°20	7°42	6°50	25°55	F 20
S 21	13 56 21	0 8 52'51	2) 18	16°51	7°23	8°21	24° 8	25°52	10°53	9°14	17°38	6°17	7°39	6°57	25°58	S 21
S 22	14 0 18	1°51'16	15° 5	18°44	8°38	9° 7	24° 6	25°55	10°56	9°13	17°38	6°12	7°35	7° 4	26° 1	S 22
M23	14 4 14	2°49'40	28°15	20°38	9°52	9°53	24° 3	25°58	11° 0	9°12	17°38	6° 7	7°32	7°10	26° 4	M23
T 24	14 8 11	3°48'02	11 Y 46	22°35	11° 6	10°38	24° 1	26° 1	11° 3	9°11	17°38	6° 1	7°29	7°17	26° 7	T 24
W25	14 12 7	4°46'22	25°39	24°32	12°20	11°24	23°58	26° 4	11° 6	9°10	17°38	5°57	7°26	7°24	26°10	W25
T 26	14 16 4	5°44'40	9 8 50	26°32	13°34	12°10	23°55	26° 7	11°10	9°10	17°37	5°53	7°23	7°30	26°13	T 26
F 27	14 20 0	6°42'57	24°14	28°33	14°48	12°56	23°53	26°10	11°13	9° 9	17°37	5°52	7°19	7°37	26°16	F 27
S 28	14 23 57	7°41'12	8 Ⅱ 45	0 8 36	16° 2	13°41	23°49	26°13	11°17	9° 8	17°37	5°D51	7°16	7°44	26°19	S 28
S 29	14 27 54	8°39'25	23°17	2°40	17°16	14°27	23°46	26°17	11°20	9°8	1 <u>7</u> °37	5°52	7°13	<u>7</u> °50	26°22	S 29
M30	14 31 50	9 8 37'36	79547	4 8 45	18 8 29	15) 13	23 × 743	26920	11824	9 m) 7	17 云 36	5 ₹ 53	7 . ₹10	7 云 57	26 ∺ 25	M30

Day	0	D	ζ	Į	φ		ď		4	ŧ	1);	j(4	(Е)	n	v	ţ	ď	;
	decl	decl lat	decl	lat	decl	at d	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4n29	21n52 0s3	2 7s59	2s14	3n52	1 s 1 4 1 5	s 2 1 s	5 22 s45	0n35	21n32	0n26	14n24	0 s23	8n52	0n58	21 s54	0n25	21 s32	21 s47	21s 7	1n20	3n41
M 2	4 52	21 41 1 4				1 13 14		6 22 45		21 32	0 26	14 25		8 52		21 54		21 32			1 21	3 41
T 3	5 15	20 7 2 5	-		-	1 12 14		6 22 45		21 31	0 26	-		8 53		21 54		21 32			1 23	3 41
W 4	5 38	17 19 3 5		2 25		1 10 14		7 22 46		21 31	0 26		0 23	8 53	0 58	-		21 32			1 24	3 41
T 5	6 0	13 31 4 3	-		5 51	1 9 14		7 22 46		21 31	0 26	-	0 23	8 54	0 58	-		21 31			1 26	3 41
F 6	6 23	9 0 4 5		-	6 21	1 8 13		8 22 46		21 31		14 29	0 23	8 54	0 58	-		21 31			1 27	3 41
S 7	6 46	4 4 5	7 4 56	2 31	6 50	1 6 13	32 1	8 22 46	0 35	21 31	0 27	14 30	0 23	8 55	0 57	21 54	0 24	21 30	21 44	21 1	1 28	3 41
S 8	7 8	1s 1 4 5	8 4 22	2 32	7 20	1 5 13	16 1	9 22 46	0 35	21 31	0 27	14 31	0 23	8 55	0 57	21 54	0 24	21 28	21 43	21 0	1 30	3 41
M 9	7 31	5 59 4 3	2 3 46	2 32	7 49	1 3 13	1 1 2	22 46	0 35	21 31	0 27	14 32	0 23	8 56	0 57	21 54	0 24	21 27	21 43	20 59	1 31	3 41
T 10	7 53	10 34 3 5	2 3 8	2 32	8 18	1 1 12		22 46		21 30	0 27	14 33		8 56	0 57	21 54				20 58	1 33	3 41
W11	8 15	14 35 3	0 2 30	2 31		1 0 12		22 46		21 30	0 27	14 34	0 23	8 56	0 57	21 54				20 57	1 34	3 41
T 12	8 37	17 50 2	0 1 51	2 30	9 15	0 58 12		1 22 46		21 30	0 27	14 35	0 23	8 57						20 56	1 35	3 41
F 13		20 10 0 5	-	-	-	0 56 11		22 46		21 30		14 36		8 57				21 23			1 37	3 42
S 14	9 20	21 32 0n1	0 0 29	2 27	10 12	0 54 11	41 1 2	22 46	0 35	21 29	0 27	14 37	0 23	8 58	0 57	21 55	0 24	21 23	21 40	20 54	1 38	3 42
S 15	9 42	21 52 1 1	5 0n14	2 24	10 40	0 52 11	25 1 2	3 22 46	0 35	21 29	0 27	14 38	0 23	8 58	0 57	21 55	0 24	21 23	21 40	20 53	1 39	3 42
M16	10 3	21 12 2 1	5 0 57	2 21	11 7	0 51 11	9 1 2	3 22 46	0 35	21 29	0 27	14 39	0 23	8 58	0 57	21 55	0 24	21 24	21 39	20 51	1 41	3 42
T 17	10 25	19 36 3 1	0 1 42	2 17	11 35	0 49 10		22 46		21 28	0 27	14 40	0 23	8 59	0 57	21 55	0 24	21 24	21 39	20 50	1 42	3 42
W18	10 46	17 9 3 5	7 2 27	2 13		0 47 10		22 46		21 28	0 27	14 41	0 23	8 59	0 57	21 55				20 49	1 43	3 42
T 19	11 6	13 58 4 3	-			0 45 10		22 46		21 27		14 42		9 0		21 55				20 48	1 45	3 42
F 20		10 9 4 5				0 43 10		22 45		21 27		14 44		9 0				21 24			1 46	3 42
S 21	11 48	5 50 5 1	1 4 49	1 58	13 21	0 41 9	46 1 2	22 45	0 35	21 27	0 27	14 45	0 23	9 0	0 57	21 55	0 23	21 23	21 37	20 46	1 47	3 42
S 22	12 8	1 9 5	8 5 38	1 52	13 47	0 38 9	29 1 2	26 22 45	0 35	21 26	0 27	14 46	0 23	9 1	0 57	21 55	0 23	21 22	21 36	20 45	1 49	3 42
M23	12 28	3n43 4 4	9 6 27	1 45	14 13	0 36 9	12 1 2	6 22 45	0 35	21 26	0 27	14 47	0 23	9 1	0 57	21 55	0 23	21 21	21 36	20 44	1 50	3 42
T 24	12 48	8 33 4 1	4 7 17	1 38	14 38	0 34 8	56 1 2	7 22 45	0 35	21 25	0 27	14 48	0 23	9 1	0 57	21 55	0 23	21 20	21 35	20 43	1 51	3 42
W25	13 8	13 4 3 2	2 8 7	1 30	15 3	0 32 8	38 1 2	7 22 45	0 35	21 25	0 27	14 49	0 23	9 1	0 57	21 56	0 23	21 20	21 35	20 41	1 52	3 42
T 26	13 27	16 57 2 1	8 8 58	1 22	15 27	0 30 8	21 1 2	8 22 45	0 35	21 24	0 27	14 50	0 23	9 2	0 57	21 56	0 23	21 19	21 34	20 40	1 54	3 42
F 27	13 46	19 52 1	3 9 50	1 14	15 52	0 27 8	4 1 2	8 22 45	0 35	21 24	0 27	14 51	0 23	9 2	0 57	21 56	0 23	21 19	21 34	20 39	1 55	3 42
S 28	14 5	21 31 0s1	6 10 41	1 5	16 15	0 25 7	47 1 2	22 45	0 35	21 23	0 28	14 52	0 23	9 2	0 57	21 56	0 23	21 19	21 33	20 38	1 56	3 42
S 29	14 24	21 44 1 3	4 11 33	0 56	16 39	0 23 7	30 1 2	9 22 45	0 35	21 22	0 28	14 53	0 23	9 2	0 57	21 56	0 23	21 19	21 32	20 37	1 57	3 42
M30	14n43	20n28 2s4	7 12n24	0s46	17n 1	0 s 2 0 7		9 22 s45		21n22	0n28	14n54	0 s23	9n 3	0n57	21 s56	0n23	21 s19	21 s32	20s36	1n59	3n42

Julian Day Number = 2367629.5, Delta T = 21.18 sec Ecliptic obliquity = $23^{\circ}28'06$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}31'57$, Lahiri = $20^{\circ}38'58$ Greg. Calendar

MAY 1770 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)ұ(¥	Р	r	Ω	Ç	ę,	Day
T 1	14 35 47	10 ୪ 35'45	2295 9	6 8 52	19843	15) 58	23°R39	269524	11827	9°R 6	17°R36	5 ₹ 55	7 .7 7	8중 4	26 ∺ 28	T 1
W 2	14 39 43	11°33'51	$6\Omega 21$	9° 0	20°57	16°44	23 × 35	26°27	11°31	9MD 6	17 云 36	5°R55	7° 4	8°10	26°31	W 2
T 3	14 43 40	12°31'56	20°21	11° 9	22°11	17°29	23°31	26°31	11°34	9° 5	17°35	5°55	7° 0	8°17	26°34	T 3
F 4	14 47 36	13°29'59	4M) 8	13°18	23°25	18°15	23°27	26°35	11°38	9° 5	17°35	5°54	6°57	8°24	26°37	F 4
S 5	14 51 33	14°28'00	17°41	15°28	24°39	19° 1	23°23	26°39	11°41	9° 4	17°34	5°52	6°54	8°30	26°39	S 5
S 6	14 55 29	15°25'59	1₽ 1	17°39	25°53	19°46	23°18	26°43	11°45	9° 4	17°34	5°49	6°51	8°37	26°42	S 6
M 7	14 59 26	16°23'56	14° 6	19°49	27° 6	20°32	23°14	26°47	11°48	9° 3	17°33	5°46	6°48	8°44	26°45	M 7
T 8	15 3 23	17°21'52	26°58	22° 0	28°20	21°17	23° 9	26°51	11°52	9° 3	17°33	5°44	6°45	8°50	26°47	T 8
W 9	15 7 19	18°19'46	9 M .37	24° 9	29°34	22° 2	23° 4	26°56	11°55	9° 2	17°32	5°42	6°41	8°57	26°50	W 9
T 10	15 11 16	19°17'38	22° 2	26°18	0∏48	22°48	22°59	27° 0	11°58	9° 2	17°32	5°40	6°38	9° 4	26°52	T 10
F 11	15 15 12	20°15'29	4 ₹ 16	28°26	2° 1	23°33	22°54	27° 4	12° 2	9° 2	17°31	5°D40	6°35	9°10	26°55	F 11
S 12	15 19 9	21°13'19	16°20	0 Ⅲ 33	3°15	24°19	22°48	27° 9	12° 5	9° 1	17°30	5°40	6°32	9°17	26°57	S 12
S 13	15 23 5	22°11'07	28°16	2°38	4°29	25° 4	22°43	27°13	12° 9	9° 1	17°30	5°41	6°29	9°24	27° 0	S 13
M14	15 27 2	23° 8'54	10ਰ 7	4°41	5°42	25°49	22°37	27°18	12°12	9° 1	17°29	5°42	6°25	9°30	27° 2	M14
T 15	15 30 58	24° 6'39	21°56	6°42	6°56	26°35	22°31	27°23	12°16	9° 1	17°28	5°43	6°22	9°37	27° 4	T 15
W16	15 34 55	25° 4'24	3≈48	8°41	8°10	27°20	22°25	27°28	12°19	9° 1	17°28	5°44	6°19	9°44	27° 7	W16
T 17	15 38 52	26° 2'07	15°47	10°38	9°23	28° 5	22°19	27°33	12°22	9° 1	17°27	5°45	6°16	9°50	27° 9	T 17
F 18	15 42 48	26°59'49	27°57	12°31	10°37	28°50	22°13	27°38	12°26	9° 0	17°26	5°R45	6°13	9°57	27°11	F 18
S 19	15 46 45	27°57'30	10 ∺ 23	14°23	11°50	29°35	22° 7	27°43	12°29	9° 0	17°25	5°45	6°10	10° 4	27°13	S 19
S 20	15 50 41	28°55'11	23° 8	16°11	13° 4	0 Υ 21	22° 1	27°48	12°33	9°D 0	17°24	5°44	6° 6	10°10	27°16	S 20
M21	15 54 38	29°52'50	6 Ƴ 17	17°57	14°17	1° 6	21°54	27°53	12°36	9° 0	17°24	5°44	6° 3	10°17	27°18	M21
T 22	15 58 34	0Ⅲ50′28	19°51	19°39	15°31	1°51	21°47	27°58	12°39	9° 0	17°23	5°43	6° 0	10°24	27°20	T 22
W23	16 2 31	1°48'05	3 8 50	21°19	16°45	2°36	21°41	28° 4	12°43	9° 0	17°22	5°43	5°57	10°30	27°22	W23
T 24	16 6 27	2°45'41	18°12	22°56	17°58	3°21	21°34	28° 9	12°46	9° 1	17°21	5°42	5°54	10°37	27°24	T 24
F 25	16 10 24	3°43'16	2 Ⅱ 52	24°29	19°12	4° 6	21°27	28°15	12°49	9° 1	17°20	5°D42	5°51	10°44	27°26	F 25
S 26	16 14 21	4°40'50	17°45	26° 0	20°25	4°50	21°20	28°20	12°52	9° 1	17°19	5°42	5°47	10°50	27°28	S 26
S 27	16 18 17	5°38'23	2 9 42	27°27	21°38	5°35	21°13	28°26	12°56	9° 1	17°18	5°R42	5°44	10°57	27°29	S 27
M28	16 22 14	6°35'54	17°35	28°51	22°52	6°20	21° 6	28°32	12°59	9° 1	17°17	5°42	5°41	11° 4	27°31	M28
T 29	16 26 10	7°33'25	2 Ω 17	0 ୭ 12	24° 5	7° 5	20°59	28°37	13° 2	9° 2	17°16	5°42	5°38	11°10	27°33	T 29
W30	16 30 7	8°30'54	16°44	1°30	25°19	7°49	20°51	28°43	13° 5	9° 2	17°15	5°42	5°35	11°17	27°35	W30
T 31	16 34 3	9∏28'21	0 m /50	29544	26 Ⅱ 32	8 Ƴ 34	20 ∡ 144	289549	138 9	9 m) 2	17 る 14	5 ₹ 42	5 ₹ 31	11 る 24	27) 36	T 31

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T 1	15n 1	17n54		13n15				6 s 5 5		22 s44		21n21		14n55				21 s56			21 s31		2n 0	3n42
W 2	15 19	-	4 34	-			0 16	6 38		22 44		21 20		14 56	0 23			21 56			21 31		2 1	3 43
T 3	15 37		-	14 57	0 16		0 13	6 20		22 44		21 20		14 58	0 23			21 57			21 30		2 2	3 43
F 4	15 55			15 46				6 3		22 44		21 19		14 59	0 23			21 57			21 30		2 3	3 43
S 5	16 12	0 8	5 8	16 35	0n 5	18 49	0 9	5 45	1 31	22 44	0 34	21 18	0 28	15 0	0 23	9 4	0 57	21 57	0 22	21 19	21 29	20 30	2 5	3 43
S 6	16 29	4 s46		17 22	0 16	19 9	0 6	5 28		22 44	0 34	21 18	0 28	15 1	0 23	9 4		21 57				20 29	2 6	3 43
M 7	16 46	-		18 8			0 4	5 10		22 43		21 17	0 28					21 57				20 28	2 7	3 43
T 8		13 29		18 53			0 1	4 52		22 43		21 16	0 28		0 23			21 57				20 26	2 8	3 43
W 9		16 54	-	19 36			0n 1	4 35		22 43		21 15	0 28		0 23			21 57				20 25	2 9	3 43
T 10		19 30		20 16		20 24	0 4	4 17		22 43		21 15	0 28		0 23			21 58			21 27		2 10	3 43
F 11	17 50	- 1		20 55	1 7	-	0 6	3 59		22 43		21 14	0 28		0 23			21 58			21 26		2 11	3 43
S 12	18 5	21 47	0n59	21 31	1 16	20 58	0 9	3 41	1 33	22 42	0 34	21 13	0 28	15 7	0 23	9 4	0 57	21 58	0 21	21 17	21 26	20 22	2 12	3 43
S 13	18 20	21 25	2 2	22 5	1 24	21 15	0 11	3 24	1 34	22 42	0 34	21 12	0 28	15 8	0 23	9 5	0 57	21 58	0 21	21 17	21 25	20 20	2 13	3 44
M14	18 35	20 6	3 0	22 37	1 32	21 30	0 14	3 6		22 42	0 34	21 11	0 28	15 9	0 23	9 5	0 57	21 58	0 21	21 17	21 24	20 19	2 14	3 44
T 15	18 49	17 54	3 49	23 6	1 40	21 45	0 16	2 48	1 34	22 42	0 34	21 10	0 28	15 10	0 23	9 5	0 57	21 58	0 21	21 17	21 24	20 18	2 15	3 44
W16	19 3			23 32	1 47	-	0 18	2 30		22 41	0 34		0 28	-	0 23			21 59			21 23		2 16	3 44
T 17		11 22		23 56	1 53		0 21	2 13		22 41	0 34		0 28	-	0 23			21 59			21 23		2 17	3 44
F 18	19 31			24 17	1 58		0 23	1 55		22 41	0 34		0 28		0 23			21 59			21 22		2 18	3 44
S 19	19 44	2 48	5 16	24 35	2 3	22 40	0 26	1 37	1 35	22 40	0 34	21 7	0 28	15 14	0 23	9 5	0 57	21 59	0 21	21 17	21 22	20 13	2 19	3 44
S 20	19 57	1n55	5 3	24 51	2 7	22 52	0 28	1 19	1 35	22 40	0 34	21 6	0 29	15 15	0 23	9 5	0 57	21 59	0 21	21 17	21 21	20 12	2 20	3 44
M21	20 9	6 41	4 33	25 5	2 10	23 3	0 31	1 1	1 36	22 40	0 33	21 5	0 29	15 17	0 23	9 5	0 57	22 0	0 21	21 17	21 21	20 11	2 21	3 44
T 22	20 21		3 48	25 16	2 13	23 14	0 33	0 44		22 39	0 33	21 4	0 29	15 18	0 23	9 5	0 57	22 0			21 20		2 22	3 45
W23		15 27	2 48		2 14	-	0 35	0 26		22 39	0 33		0 29		0 23		0 57	22 0	-		21 20		2 23	3 45
T 24		18 48		25 31	2 15		0 38	0 8		22 39	0 33		0 29		0 23			-			21 19		2 24	3 45
F 25	20 55			25 36		23 42	0 40	0n 9		22 38	0 33			15 21	0 23			-			21 18		2 25	3 45
S 26	21 6	21 48	1s 6	25 38	2 14	23 50	0 42	0 27	1 36	22 38	0 33	20 59	0 29	15 22	0 23	9 4	0 57	22 1	0 20	21 17	21 18	20 4	2 26	3 45
S 27	21 16	21 2	2 24	25 39	2 12	23 57	0 45	0 45	1 37	22 38	0 33	20 58	0 29	15 23	0 23	9 4	0 57	22 1	0 20	21 17	21 17	20 3	2 27	3 45
M28		18 48		25 37	2 10		0 47	1 2		22 37		20 57		15 24	0 23						21 17		2 27	3 45
T 29		15 22		25 34			0 49	1 20		22 37		20 56		15 24	0 23						21 16		2 28	3 45
W30	21 45			25 30			0 51	1 37		22 37		20 55		15 25	0 23							19 59	2 29	3 46
T 31	21n54	6n15	5s16	25n24	1n57	24n19	0n53	1n55	1 s37	22 s36	0n33	20n54	0n29	15n26	0 s23	9n 4	0n57	22 s 2	0n20	21 s17	21 s15	19 s 5 8	2n30	3n46

Julian Day Number = 2367659.5, Delta T = 21.20 sec Ecliptic obliquity = 23°28'05, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}32'01$, Lahiri = $20^{\circ}39'02$ Greg. Calendar

JUNE 1770 00:00 UT

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Day	Sid.t	0)	ğ	φ	♂	4	ħ)∤(¥	В	u	v	Ç	ę,	Day
F 1	16 38 0	10 Ⅱ 25'48	14 m)36	3955	27 II 45	9 Υ 19	20°R37	28955	13812	9 m) 3	17°R13	5°D42	5 ₹ 28	11 る 30	27) 38	F 1
S 2	16 41 56	11°23'13	28° 0	5° 3	28°59	10° 3	20 х 29	29° 1	13°15	9° 3	17 る 12	5 ₹ 42	5°25	11°37	27°39	S 2
S 3	16 45 53	12°20'36	11 º 6	6° 7	09512	10°48	20°22	29° 7	13°18	9° 3	17°10	5°42	5°22	11°44	27°41	S 3
M 4	16 49 50	13°17'59	23°54	7° 8	1°25	11°32	20°14	29°13	13°21	9° 4	17° 9	5°43	5°19	11°50	27°42	M 4
T 5	16 53 46	14°15'21	6 M 27	8° 5	2°39	12°16	20° 7	29°19	13°24	9° 4	17° 8	5°44	5°16	11°57	27°44	T 5
W 6	16 57 43	15°12'42	18°48	8°58	3°52	13° 1	19°59	29°26	13°27	9° 5	17° 7	5°45	5°12	12° 4	27°45	W 6
T 7	17 1 39	16°10'02	0 ∡ 758	9°48	5° 5	13°45	19°52	29°32	13°31	9° 6	17° 6	5°R45	5° 9	12°10	27°46	T 7
F 8	17 5 36	17° 7'21	13° 0	10°33	6°18	14°29	19°44	29°38	13°34	9° 6	17° 5	5°45	5° 6	12°17	27°47	F 8
S 9	17 9 32	18° 4'39	24°56	11°15	7°32	15°13	19°36	29°45	13°37	9° 7	17° 3	5°44	5° 3	12°24	27°49	S 9
S 10	17 13 29	19° 1'57	6 ප 48	11°53	8°45	15°57	19°29	29°51	13°40	9° 7	17° 2	5°43	5° 0	12°30	27°50	S 10
M11	17 17 26	19°59'14	18°38	12°26	9°58	16°41	19°21	29°58	13°43	9° 8	17° 1	5°41	4°57	12°37	27°51	M11
T 12	17 21 22	20°56'31	0≈28	12°56	11°11	17°25	19°13	0Ω 4	13°45	9° 9	17° 0	5°39	4°53	12°44	27°52	T 12
W13	17 25 19	21°53'47	12°22	13°21	12°24	18° 9	19° 6	0°11	13°48	9°10	16°58	5°37	4°50	12°50	27°53	W13
T 14	17 29 15	22°51'02	24°22	13°41	13°37	18°53	18°58	0°18	13°51	9°10	16°57	5°34	4°47	12°57	27°54	T 14
F 15	17 33 12	23°48'18	6) €32	13°57	14°50	19°37	18°50	0°24	13°54	9°11	16°56	5°33	4°44	13° 4	27°55	F 15
S 16	17 37 8	24°45'33	18°56	14° 9	16° 3	20°21	18°43	0°31	13°57	9°12	16°54	5°32	4°41	13°11	27°56	S 16
S 17	17 41 5	25°42'48	1 Y 38	14°16	17°16	21° 4	18°35	0°38	14° 0	9°13	16°53	5°D32	4°37	13°17	27°56	S 17
M18	17 45 1	26°40'03	14°41	14°R18	18°29	21°48	18°28	0°45	14° 3	9°14	16°52	5°33	4°34	13°24	27°57	M18
T 19	17 48 58	27°37'17	28°10	14°16	19°42	22°31	18°20	0°52	14° 5	9°15	16°50	5°34	4°31	13°31	27°58	T 19
W20	17 52 54	28°34'32	128 5	14° 9	20°55	23°15	18°13	0°59	14° 8	9°16	16°49	5°35	4°28	13°37	27°58	W20
T 21	17 56 51	29°31'46	26°25	13°58	22° 8	23°58	18° 5	1° 6	14°11	9°17	16°48	5°36	4°25	13°44	27°59	T 21
F 22	18 0 48	09529'01	11 II 10	13°43	23°21	24°41	17°58	1°13	14°13	9°18	16°46	5°R36	4°22	13°51	27°59	F 22
S 23	18 4 44	1°26'15	26°11	13°24	24°34	25°24	17°51	1°20	14°16	9°19	16°45	5°35	4°18	13°57	28° 0	S 23
S 24	18 841	2°23'29	119522	13° 1	25°47	26° 8	17°43	1°27	14°18	9°20	16°43	5°33	4°15	14° 4	28° 0	S 24
M25	18 12 37	3°20'43	26°33	12°35	27° 0	26°51	17°36	1°34	14°21	9°21	16°42	5°30	4°12	14°11	28° 1	M25
T 26	18 16 34	4°17'56	11 Ω 34	12° 5	28°13	27°34	17°29	1°41	14°24	9°22	16°40	5°26	4° 9	14°17	28° 1	T 26
W27	18 20 30	5°15'09	26°16	11°33	29°26	28°16	17°22	1°48	14°26	9°23	16°39	5°22	4° 6	14°24	28° 1	W27
T 28	18 24 27	6°12'21	10 m 34	10°59	0⋒39	28°59	17°15	1°55	14°29	9°24	16°38	5°19	4° 3	14°31	28° 1	T 28
F 29	18 28 24	7° 9'33	24°26	10°24	1°51	29°42	17° 8	2° 3	14°31	9°26	16°36	5°17	3°59	14°37	28° 1	F 29
S 30	18 32 20	89 6'45	7 ≏ 51	99547	3 Ω 4	0 8 24	17 ₹ 2	$2\Omega 10$	14 8 33	9 m)27	16 ට 35	5°D16	3 ∡ 756	14 る 44	28 米 2	S 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n 2			25n16		24n23		2n12		22 s36		20n53		15n27				22 s 2			21 s14		2n31	3n46
S 2	22 10	3 s42	4 54	25 7	1 45	24 26	0 58	2 30	1 37	22 35	0 32	20 51	0 29	15 28	0 23	9 3	0 56	22 2	0 20	21 17	21 14	19 56	2 31	3 46
S 3	22 18			24 57			1 0	2 47		22 35		20 50		15 29							21 13		2 32	3 46
M 4	22 25 22 32	-		24 46	1 30	-	1 2	3 4 3 22		22 34 22 34	0 32	20 49 20 48	0 29	15 30 15 31				-			21 13		2 33	3 46 3 46
W 6	-	16 8 18 55		24 34 24 21	1 21	24 30 24 30	1 4	3 39		22 34		20 48		15 31	0 23 0 23		0 56 0 56				21 12	19 52	2 33 2 34	3 46
T 7		20 49	0 26		1 1		1 8	3 56		22 33		20 45		15 33			0 56				21 11		2 35	3 47
F 8	22 51	21 43	0n40	23 53	0 50	24 29	1 10	4 13	1 38	22 33	0 32	20 44	0 29	15 34	0 23	9 2	0 56	22 4	0 19	21 17	21 11	19 48	2 35	3 47
S 9	22 56	21 38	1 44	23 37	0 38	24 27	1 11	4 30	1 38	22 32	0 31	20 43	0 30	15 35	0 23	9 2	0 56	22 4	0 19	21 17	21 10	19 47	2 36	3 47
S 10	23 1	20 34	2 44	23 22	0 26	24 24	1 13	4 47	1 38	22 32	0 31	20 41	0 30	15 36	0 23	9 2	0 56	22 4	0 19	21 17	21 9	19 45	2 36	3 47
M11		18 37				-	1 15	5 4		22 31		20 40		15 37				22 4		21 17	-	19 44	2 37	3 47
T 12 W13	23 9 23 13			22 49		-	1 17 1 18	5 21 5 38		22 31		20 39		15 37 15 38	0 23 0 23		0 56	-		21 16		19 43 19 41	2 38	3 47
T 14	23 16	-		22 33 22 16		24 11 24 6	1 18	5 54		22 30 22 30		20 37 20 36		15 38			0 56 0 56	22 5		21 16 21 16		19 41	2 38	3 48 3 48
F 15	23 19			21 59		23 59	1 21	6 11		22 29		20 34		15 40						21 15		19 39	2 39	3 48
S 16	23 22	0n20	5 7	21 43	1 1	23 52	1 23	6 27	1 37	22 29	0 31	20 33	0 30	15 41	0 23	9 0	0 56	22 6	0 18	21 15	21 6	19 37	2 40	3 48
S 17	23 24	4 59	4 44	21 26	1 17	23 45	1 24	6 44	1 37	22 28	0 30	20 32	0 30	15 42	0 23	8 59	0 56	22 6	0 18	21 15	21 5	19 36	2 40	3 48
M18	23 26			21 10			1 26	7 0		22 28		20 30		15 42							21 5		2 40	3 48
T 19	23 27		-	20 54			1 27	7 16		22 27		20 29		15 43				-		21 15		19 33	2 41	3 48
W20 T 21		17 29 20 12		20 38 20 23			1 28 1 29	7 33 7 49		22 27 22 26		20 27 20 26		15 44 15 45						21 16 21 16		19 32 19 31	2 41 2 42	3 49 3 49
F 22		21 38		20 23				8 5		22 26		20 24		15 46						21 16		19 29	2 42	3 49
S 23		21 34		19 54		22 44		8 20		22 25		20 23		15 46							21 2		2 42	3 49
S 24	23 27	19 55	3 4	19 41	3 9	22 32	1 33	8 36	1 36	22 25	0 29	20 21	0 30	15 47	0 23	8 57	0 56	22 8	0 18	21 15	21 1	19 27	2 43	3 49
M25	23 26	16 52	4 4	19 29	3 24	22 19	1 34	8 52	1 36	22 24	0 29	20 20	0 30	15 48	0 23	8 56	0 56	22 8	0 17	21 15	21 1	19 25	2 43	3 49
T 26	23 24			19 18			-	9 7		22 24		20 18		15 49							21 0		2 43	3 49
W27 T 28	23 22			19 8 18 58		21 51	1 35	9 23		22 23 22 23		20 17		15 49							20 59 20 59		2 43	3 50
F 29	23 19 23 16	-		18 58 18 50		21 36 21 20	1 36 1 37	9 38 9 53		22 23		20 15 20 14		15 50 15 51	0 23 0 23						20 59		2 43 2 44	3 50 3 50
S 30	23n13			18n43		21n 4		10n 9		22 s22		20n12		15n52				22s 9			20 s58		2n44	3n50

Julian Day Number = 2367690.5, Delta T = 21.21 sec Ecliptic obliquity = $23^{\circ}28'05$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}32'06$, Lahiri = $20^{\circ}39'06$ Greg. Calendar

JULY 1770 00:00 UT

Day	Sid.t	0	D	ğ	·	♂ [™]	4	ħ)/(¥	Р	S.	Ω	Ç	Ŷ,	Day
S 1	18 36 17	99 3'57	20 ≏ 52	9°R10	4 Ω 17	1 8 7	16°R55	2 Ω 17	14836	9 m 28	16°R33	5 √ 17	3 ₹ 53	14 ප 51	28°R 2	S 1
M 2	18 40 13	10° 1'08	3 M .31	8934	5°30	1°49	16 ₹ 49	2°25	14°38	9°29	16 る 32	5°18	3°50	14°57	28 米 1	M 2
T 3	18 44 10	10°58'19	15°54	7°58	6°42	2°32	16°42	2°32	14°40	9°31	16°30	5°20	3°47	15° 4	28° 1	T 3
W 4	18 48 6	11°55'30	28° 3	7°24	7°55	3°14	16°36	2°39	14°42	9°32	16°29	5°21	3°43	15°11	28° 1	W 4
T 5	18 52 3	12°52'41	10 ∡ 3	6°52	9° 8	3°56	16°30	2°47	14°45	9°33	16°27	5°R21	3°40	15°17	28° 1	T 5
F 6	18 55 59	13°49'51	21°57	6°23	10°20	4°38	16°24	2°54	14°47	9°35	16°26	5°20	3°37	15°24	28° 1	F 6
S 7	18 59 56	14°47'02	3 ⋜ 47	5°57	11°33	5°20	16°18	3° 2	14°49	9°36	16°25	5°17	3°34	15°31	28° 1	S 7
S 8	19 3 53	15°44'13	15°37	5°35	12°45	6° 2	16°12	3° 9	14°51	9°38	16°23	5°12	3°31	15°37	28° 0	S 8
M 9	19 7 49	16°41'25	27°28	5°17	13°58	6°44	16° 6	3°17	14°53	9°39	16°22	5° 5	3°28	15°44	28° 0	M 9
T 10	19 11 46	17°38'36	9≈21	5° 3	15°10	7°25	16° 0	3°24	14°55	9°41	16°20	4°57	3°24	15°51	27°59	T 10
W11	19 15 42	18°35'48	21°20	4°55	16°23	8° 7	15°55	3°32	14°57	9°42	16°19	4°49	3°21	15°57	27°59	W11
T 12	19 19 39	19°33'00	3 ∺ 25	4°D51	17°35	8°48	15°50	3°39	14°59	9°44	16°17	4°42	3°18	16° 4	27°58	T 12
F 13	19 23 35	20°30'13	15°39	4°52	18°48	9°30	15°45	3°47	15° 1	9°45	16°16	4°36	3°15	16°11	27°58	F 13
S 14	19 27 32	21°27'27	28° 6	5° 0	20° 0	10°11	15°40	3°55	15° 3	9°47	16°14	4°31	3°12	16°18	27°57	S 14
S 15	19 31 28	22°24'41	10 Ƴ 47	5°12	21°12	10°52	15°35	4° 2	15° 4	9°49	16°13	4°29	3° 8	16°24	27°56	S 15
M16	19 35 25	23°21'56	23°46	5°30	22°25	11°33	15°30	4°10	15° 6	9°50	16°11	4°D28	3° 5	16°31	27°55	M16
T 17	19 39 22	24°19'11	7 と 8	5°54	23°37	12°14	15°25	4°18	15° 8	9°52	16°10	4°29	3° 2	16°38	27°55	T 17
W18	19 43 18	25°16'28	20°53	6°24	24°49	12°55	15°21	4°25	15°10	9°54	16° 8	4°30	2°59	16°44	27°54	W18
T 19	19 47 15	26°13'45	5 Ⅱ 4	6°59	26° 1	13°36	15°17	4°33	15°11	9°55	16° 7	4°R30	2°56	16°51	27°53	T 19
F 20	19 51 11	27°11'04	19°40	7°40	27°14	14°16	15°13	4°41	15°13	9°57	16° 6	4°29	2°53	16°58	27°52	F 20
S 21	19 55 8	28° 8'23	4936	8°26	28°26	14°57	15° 9	4°48	15°14	9°59	16° 4	4°26	2°49	17° 4	27°51	S 21
S 22	19 59 4	29° 5'43	19°46	9°18	29°38	15°37	15° 5	4°56	15°16	10° 0	16° 3	4°21	2°46	17°11	27°50	S 22
M23	20 3 1	0 ん 3'03	5 Ω 1	10°15	0 m 50	16°17	15° 1	5° 4	15°17	10° 2	16° 1	4°14	2°43	17°18	27°49	M23
T 24	20 6 57	1° 0'24	20° 9	11°18	2° 2	16°57	14°58	5°11	15°19	10° 4	16° 0	4° 5	2°40	17°24	27°47	T 24
W25	20 10 54	1°57'46	5 Mp 1	12°26	3°14	17°37	14°55	5°19	15°20	10° 6	15°58	3°57	2°37	17°31	27°46	W25
T 26	20 14 51	2°55'08	19°29	13°39	4°26	18°17	14°52	5°27	15°21	10° 8	15°57	3°50	2°34	17°38	27°45	T 26
F 27	20 18 47	3°52'31	3 ₾ 28	14°57	5°38	18°57	14°49	5°35	15°23	10°10	15°56	3°44	2°30	17°44	27°44	F 27
S 28	20 22 44	4°49'55	16°58	16°20	6°50	19°36	14°46	5°42	15°24	10°11	15°54	3°40	2°27	17°51	27°42	S 28
S 29	20 26 40	5°47'19	OM 1	17°48	8° 2	20°16	14°44	5°50	15°25	10°13	15°53	3°39	2°24	17°58	27°41	S 29
M30	20 30 37	6°44'43	12°39	19°21	9°14	20°55	14°41	5°58	15°26	10°15	1 <u>5</u> °52	3°D39	2°21	1 <u>8</u> ° 4	27°39	M30
T 31	20 34 33	7 Ω 42'09	24M58	20957	10 m 26	21834	14 × 39	6 N 6	15 8 27	10 m)17	15 る 50	3 , ₹39	2 √ 18	18 ਰ 11	27 米 38	T 31

Day	0	J)	ζ	5	·	1	d	7	2	+	ŧ	<u>ι</u>);	β(1 4	(Е)	រា	U	Ç	ď	5
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1 M 2	23n 9 23 5	11 s32 15 18		18n38 18 34	4s32			10n24		22 s21	0n28					8n53		22 s10		-	20 s 5 7		2n44	3n50
M 2 T 3	23 1	18 17	-	18 34	4 43	20 30 20 13		10 38 10 53		22 21 22 20	0 28 0 28		0 31 0 31		0 23 0 23	8 53 8 52		22 10 22 10			20 56	19 16	2 44 2 44	3 50 3 50
W 4	22 56			18 29	4 47			11 8		22 20	0 28		0 31	15 54		8 52	0 56	-		_		19 13	2 44	3 51
T 5		21 34			4 49			-		22 19	0 28		0 31			8 51		22 11			20 55		2 44	3 51
F 6	22 45	21 44	1 29	18 30	4 49	19 16	1 39	11 37	1 34	22 19	0 27	20 2	0 31	15 55	0 23	8 51	0 56	22 11	0 16	21 13	20 54	19 10	2 44	3 51
S 7	22 39	20 56	2 28	18 32	4 48	18 56	1 40	11 51	1 33	22 19	0 27	20 1	0 31	15 56	0 23	8 50	0 56	22 11	0 16	21 12	20 53	19 9	2 44	3 51
S 8	22 32	19 13	3 21	18 36	4 45	18 36	1 40	12 5	1 33	22 18	0 27	19 59	0 31	15 57	0 23	8 50	0 56	22 12	0 16	21 11	20 53	19 7	2 44	3 51
M 9	22 25	16 41	4 5	18 41	4 41	18 15	1 39	12 19	1 33	22 18	0 27	19 57	0 31	15 57	0 23	8 49	0 56	22 12	0 16	21 10	20 52	19 6	2 44	3 51
T 10	22 18	13 27	4 38	18 47	4 35			12 33		22 17	0 27	19 56		15 58	0 23	8 49	0 56	22 12	0 16		20 52		2 44	3 51
W11	22 11	9 40			4 28			12 47		22 17	0 26		0 32			8 48	0 56		0 16		20 51		2 44	3 52
T 12	22 2	5 28	5 8	19 3	4 20			13 0		22 17	0 26		0 32			8 47	0 56	-	0 16		20 50		2 44	3 52
F 13	21 54		5 3	19 12	4 11			13 14		22 16	0 26		0 32			8 47	0 56	-	0 16		20 50		2 44	3 52
S 14	21 45	3n34	4 43	19 22	4 1	16 23	1 38	13 27	1 31	22 16	0 26	19 49	0 32	16 0	0 23	8 46	0 56	22 13	0 16	21 4	20 49	18 59	2 44	3 52
S 15	21 36	8 5	4 9	19 33	3 49	15 59	1 37	13 40	1 30	22 16	0 26	19 47	0 32	16 1	0 23	8 46	0 56	22 13	0 16	21 4	20 49	18 57	2 44	3 52
M16		12 21			3 38			13 54		22 15	0 26		0 32		0 23	8 45	0 56	22 14	0 15			18 56	2 44	3 52
T 17		16 9		19 55				14 6		22 15	0 25		0 32			8 44	0 56		0 15		20 47		2 43	3 52
W18	21 6			20 7	3 12			14 19		22 15	0 25		0 32			8 44	0 56		0 15			18 53	2 43	3 53
T 19	20 56			20 19	2 58			14 32		22 14	0 25		0 32			8 43		-	0 15		20 46		2 43	3 53
F 20		21 43		20 31	2 44		-	14 44		22 14	0 25		0 32		0 23	8 42		22 15	0 15			18 50	2 43	3 53
S 21	20 34	20 49	2 34	20 43	2 30	13 29	1 33	14 57	1 28	22 14	0 25	19 37	0 32	16 3	0 23	8 42		22 15	0 15	21 3	20 45	18 49	2 42	3 53
S 22	20 22	18 25		20 54	2 15	-	1 32	15 9		22 14	0 24	19 35	0 32	16 4	0 23	8 41	0 56	22 15	0 15		20 44	18 47	2 42	3 53
M23	20 10	_		21 4	2 0			15 21		22 13	0 24				0 23	8 40		-	0 15			18 46	2 42	3 53
T 24	19 57	-		21 14				15 33		22 13		19 31	0 33			8 40		22 16				18 44	2 41	3 53
W25	19 45			21 23	1 31		-	15 44		22 13		19 29	0 33			8 39		22 16				18 43	2 41	3 53
T 26	19 32			21 31		11 14		15 56		22 13		19 28	0 33			8 38		22 16			20 42		2 40	3 54
F 27	19 18	-		21 37	1 1		1 25			22 13		19 26	0 33			8 37		22 17				18 40	2 40	3 54
S 28	19 5			21 42	0 47	10 18		16 19		22 13		19 24	0 33	16 6	0 23	8 37		22 17				18 38	2 40	3 54
S 29	18 51			21 44				16 30		22 12		19 22	0 33			8 36		22 17				18 37	2 39	3 54
M30		17 24		21 45	0 19	-		16 41		22 12		19 20	0 33		0 23	8 35		22 17				18 35	2 39	3 54
T 31	18n22	19s47	0 s46	21n44	0s 6	8n52	1n18	16n51	1 s22	22 s12	0n23	19n18	0n33	16n 7	0 s23	8n35	0n55	22 s18	0n14	20 s55	20s39	18 s 3 4	2n38	3n54

 $\label{eq:Julian Day Number = 2367720.5, Delta T = 21.23 sec} \\ Ecliptic obliquity = 23°28'04, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°32'10, Lahiri = 20°39'10Greg. Calendar$

AUGUST 1770 00:00 UT

Day	Sid.t	\odot	D	Ϋ́	φ	♂	24	ħ)∤(并	Р	r	Ω	Ç	ę,	Day
W 1	20 38 30	8 Ω 39'35	7 . ₹ 3	22938	11 m 37	22813	14°R37	6 Ω 13	15 8 28	10 m)19	15°R49	3°R40	2 √ 14	18 궁 18	27°R36	W 1
T 2	20 42 26	9°37'01	18°58	24°22	12°49	22°52	14 ∡ ³35	6°21	15°29	10°21	15 る 48	3 ₹ 38	2°11	18°25	27) 35	T 2
F 3	20 46 23	10°34'29	0 국 48	26°10	14° 1	23°31	14°34	6°29	15°30	10°23	15°46	3°35	2° 8	18°31	27°33	F 3
S 4	20 50 20	11°31'57	12°37	28° 1	15°12	24° 9	14°32	6°37	15°31	10°25	15°45	3°29	2° 5	18°38	27°31	S 4
S 5	20 54 16	12°29'27	24°27	29°54	16°24	24°48	14°31	6°44	15°32	10°27	15°44	3°21	2° 2	18°45	27°30	S 5
M 6	20 58 13	13°26'57	6≈22	$1\Omega50$	17°35	25°26	14°30	6°52	15°33	10°29	15°42	3°10	1°59	18°51	27°28	M 6
T 7	21 2 9	14°24'29	18°22	3°48	18°47	26° 4	14°29	7° 0	15°33	10°31	15°41	2°58	1°55	18°58	27°26	T 7
W 8	21 6 6	15°22'01	0) €30	5°48	19°58	26°42	14°28	7° 7	15°34	10°33	15°40	2°45	1°52	19° 5	27°24	W 8
T 9	21 10 2	16°19'35	12°45	7°48	21°10	27°20	14°28	7°15	15°35	10°35	15°39	2°33	1°49	19°11	27°22	T 9
F 10	21 13 59	17°17'10	25°10	9°50	22°21	27°57	14°28	7°23	15°35	10°37	15°38	2°22	1°46	19°18	27°20	F 10
S 11	21 17 55	18°14'46	7 Ƴ 45	11°52	23°32	28°35	14°D27	7°30	15°36	10°39	15°36	2°14	1°43	19°25	27°18	S 11
S 12	21 21 52	19°12'24	20°33	13°55	24°44	29°12	14°27	7°38	15°36	10°41	15°35	2° 9	1°40	19°31	27°16	S 12
M13	21 25 49	20°10'04	3 8 35	15°57	25°55	29°49	14°28	7°46	15°37	10°44	15°34	2° 6	1°36	19°38	27°14	M13
T 14	21 29 45	21° 7'45	16°54	17°59	27° 6	0П26	14°28	7°53	15°37	10°46	15°33	2°D 5	1°33	19°45	27°12	T 14
W15	21 33 42	22° 5'27	0Д32	20° 1	28°17	1° 3	14°29	8° 1	15°37	10°48	15°32	2°R 5	1°30	19°51	27°10	W15
T 16	21 37 38	23° 3'12	14°32	22° 2	29°28	1°39	14°29	8° 8	15°38	10°50	15°31	2° 5	1°27	19°58	27° 8	T 16
F 17	21 41 35	24° 0'58	28°53	24° 2	<u>ი</u> 239	2°16	14°30	8°16	15°38	10°52	15°30	2° 3	1°24	20° 5	27° 6	F 17
S 18	21 45 31	24°58'46	13934	26° 1	1°50	2°52	14°32	8°23	15°38	10°54	15°29	1°59	1°20	20°12	27° 3	S 18
S 19	21 49 28	25°56'35	28°29	28° 0	3° 1	3°28	14°33	8°31	15°38	10°56	15°28	1°52	1°17	20°18	27° 1	S 19
M20	21 53 24	26°54'26	13 £ 31	29°57	4°12	4° 4	14°34	8°39	15°38	10°59	15°26	1°42	1°14	20°25	26°59	M20
T 21	21 57 21	27°52'18	28°32	1 m 53	5°23	4°39	14°36	8°46	15°R38	11° 1	15°25	1°31	1°11	20°32	26°56	T 21
W22	22 1 18	28°50'12	13 Mp 20	3°47	6°33	5°15	14°38	8°53	15°38	11° 3	15°25	1°20	1° 8	20°38	26°54	W22
T 23	22 5 14	29°48'08	27°48	5°41	7°44	5°50	14°40	9° 1	15°38	11° 5	15°24	1°10	1° 5	20°45	26°52	T 23
F 24	22 9 11	0 Mp 46'04	11 ≏ 50	7°33	8°55	6°25	14°42	9° 8	15°38	11° 7	15°23	1° 1	1° 1	20°52	26°49	F 24
S 25	22 13 7	1°44'02	25°23	9°24	10° 5	7° 0	14°45	9°16	15°38	11°10	15°22	0°56	0°58	20°58	26°47	S 25
S 26	22 17 4	2°42'02	8 M 29	11°14	11°16	7°34	14°48	9°23	15°38	11°12	15°21	0°52	0°55	21° 5	26°44	S 26
M27	22 21 0	3°40'03	21°10	13° 2	12°26	8° 9	14°50	9°30	15°37	11°14	15°20	0°51	0°52	21°12	26°42	M27
T 28	22 24 57	4°38'05	3 ₹ 30	14°49	13°37	8°43	14°53	9°38	15°37	11°16	15°19	0°51	0°49	21°18	26°39	T 28
W29	22 28 53	5°36'09	15°35	16°35	14°47	9°17	14°57	9°45	15°37	11°18	15°18	0°51	0°46	21°25	26°37	W29
T 30	22 32 50	6°34'14	27°30	18°19	15°57	9°50	15° 0	9°52	15°36	11°21	15°18	0°49	0°42	21°32	26°34	T 30
F 31	22 36 47	7 Mg 32'20	9 ට 20	20 Mg 3	17 ♀ 7	10∏24	15 ₹ 3	9 Ω 59	15 8 36	11 m 23	15 る 17	0 ₮ 46	0 ∡ 39	21 る 39	26 米 32	F 31

Day	0	D	ğ	Q	♂	4	ħ)∤(4	Р	n s	3 ¢	ķ
	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
W 1 T 2		21 s13	3 21n41 On 3 21 35 O 19			22 s12			8n34 0n55 8 33 0 55		20 s55 20: 20 54 20		2n38 3n54 2 37 3 54
F 3 S 4	17 36 17 21		21 26 0 30 2 21 15 0 4			22 12 0 22 22 12 0 22			8 32 0 55 8 32 0 55		20 54 20 20 53 20		2 37 3 54 2 36 3 55
S 5 M 6	17 5 16 48	14 21 4 30	20 45 1 0	5 55 1 6	17 53 1 18	22 12 0 22 22 12 0 22	19 7 0 34		8 31 0 55 8 30 0 55	22 19 0 13	20 51 20 20 49 20	35 18 25	2 35 3 55
T 7 W 8 T 9	16 32 16 15 15 58		2 20 26 1 9 20 4 1 16 7 19 40 1 23		18 12 1 17	22 12 0 22 22 13 0 21 22 13 0 21	19 4 0 34	16 9 0 23		22 20 0 13	20 47 20 20 44 20 20 42 20	34 18 22	2 34 3 55 2 33 3 55 2 33 3 55
F 10 S 11	15 40 15 23		19 14 1 28	3 54 0 56	18 30 1 15	22 13 0 21 22 13 0 21	19 0 0 34	16 9 0 23	8 27 0 55	22 20 0 13	20 40 20 20 38 20	32 18 19	
S 12 M13 T 14	15 5 14 47 14 28		17 41 1 4	1 2 22 0 48	18 57 1 13	22 13 0 21 22 13 0 20 22 14 0 20	18 54 0 34	16 10 0 23	8 25 0 55 8 25 0 55 8 24 0 55	22 21 0 13	20 37 20 20 36 20 20 36 20	30 18 14	2 31 3 55 2 30 3 55 2 29 3 55
W15 T 16 F 17	13 51	20 25 0 8 21 29 1s 5 21 11 2 17	15 51 1 40	6 0 49 0 40	19 14 1 11 19 22 1 10	22 14 0 20 22 14 0 20 22 14 0 20	18 49 0 35	16 10 0 23 16 10 0 23 16 10 0 23	8 23 0 55 8 22 0 55 8 21 0 55	22 22 0 12	20 36 20 20 36 20 20 36 20	29 18 10	2 28 3 55 2 27 3 55 2 27 3 56
S 18 S 19	13 13	19 27 3 20	14 31 1 45	5 0s13 0 34	19 38 1 9	22 15 0 20	18 45 0 35	16 10 0 23	8 20 0 55	22 22 0 12	20 35 20	27 18 7	2 26 3 56
M20 T 21	12 33 12 14	12 13 4 46		3 1 15 0 27	19 53 1 7		18 41 0 35	16 10 0 23 16 10 0 24 16 10 0 24	8 20 0 55 8 19 0 55 8 18 0 55	22 22 0 12	20 33 20 20 32 20 20 29 20	26 18 4	2 25 3 56 2 24 3 56 2 23 3 56
W22 T 23 F 24	11 54 11 33 11 13	2 2 4 54 3s14 4 29 8 11 3 48	10 54 1 33	5 2 48 0 18	20 15 1 4	22 16 0 19 22 17 0 19 22 17 0 18	18 36 0 35	16 10 0 24 16 10 0 24 16 10 0 24	8 16 0 55	22 23 0 12	20 27 20 20 25 20 20 23 20	24 17 59	
S 25	10 52	12 33 2 56	9 24 1 2	7 3 50 0 11	20 29 1 2	22 18 0 18	18 32 0 36	16 10 0 24	8 15 0 55	22 24 0 11	20 22 20	23 17 56	2 20 3 56
S 26 M27 T 28	10 10	16 10 1 55 18 54 0 51 20 39 0n14	7 52 1 17	7 4 52 0 4	20 42 1 0	22 18 0 18	18 28 0 36	16 10 0 24 16 10 0 24 16 10 0 24	8 13 0 55	22 24 0 11	20 21 20 20 21 20 20 21 20	21 17 53	2 19 3 56 2 18 3 56 2 17 3 56
W29 T 30	9 28	21 24 1 17 21 11 2 16	6 20 1 5 5 33 1	7 5 53 0s 3 1 6 24 0 7	20 55 0 58 21 1 0 57	22 19 0 18 22 20 0 17	18 24 0 36 18 23 0 36	16 9 0 24	8 11 0 55	22 24 0 11 22 25 0 11	20 21 20 20 21 20	20 17 49 19 17 48	2 16 3 56 2 15 3 56
F 31	8n45	20s 0 3n 9	4n47 0n5	6 6 6 s 5 4 0 s 1 1	21n 7 0s56	22 s21 0n17	18n21 0n36	16n 9 0s24	8n10 0n56	22 s25 0n11	20 s20 20	s19 17 s46	2n14 3n56

SEPTEMBER 1770 00:00 UT

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S 2	22 44 40	9°28'38	3≈ 3	23°26	19°27	11°30	15°11	10°13	15 8 35	11°27	15 る 15	0 ∡ ³31	0°33	21°52	26 ∺ 26	S 2
M 3	22 48 36	10°26'49	15° 3	25° 5	20°37	12° 3	15°15	10°21	15°34	11°29	15°15	0°20	0°30	21°59	26°24	M 3
T 4	22 52 33	11°25'01	27°12	26°44	21°47	12°35	15°19	10°28	15°34	11°32	15°14	0° 7	0°26	22° 5	26°21	T 4
W 5	22 56 29	12°23'15	9) (31	28°21	22°57	13° 7	15°24	10°35	15°33	11°34	15°13	29M54	0°23	22°12	26°18	W 5
T 6	23 0 26	13°21'32	22° 1	29°57	24° 7	13°39	15°28	10°42	15°32	11°36	15°13	29°41	0°20	22°19	26°16	T 6
F 7	23 4 22	14°19'49	4 Υ42	1 ≏ 32	25°16	14°11	15°33	10°48	15°31	11°38	15°12	29°30	0°17	22°25	26°13	F 7
S 8	23 8 19	15°18'09	17°34	3° 6	26°26	14°42	15°38	10°55	15°30	11°41	15°11	29°22	0°14	22°32	26°10	S 8
S 9	23 12 15	16°16'31	0 ප 37	4°39	27°35	15°14	15°43	11° 2	15°30	11°43	15°11	29°16	0°11	22°39	26° 8	S 9
M10	23 16 12	17°14'55	13°51	6°11	28°45	15°44	15°48	11° 9	15°29	11°45	15°10	29°13	0° 7	22°45	26° 5	M10
T 11	23 20 9	18°13'21	27°17	7°41	29°54	16°15	15°53	11°16	15°28	11°47	15°10	29°D12	0° 4	22°52	26° 2	T 11
W12	23 24 5	19°11'50	10∏58	9°11	1 m 3	16°45	15°59	11°22	15°27	11°49	15° 9	29°12	0° 1	22°59	25°59	W12
T 13	23 28 2	20°10'20	24°52	10°39	2°12	17°15	16° 4	11°29	15°25	11°52	15° 9	29°R13	29M58	23° 6	25°57	T 13
F 14	23 31 58	21° 8'53	995 1	12° 6	3°21	17°45	16°10	11°36	15°24	11°54	15° 9	29°11	29°55	23°12	25°54	F 14
S 15	23 35 55	22° 7'28	23°24	13°32	4°30	18°14	16°16	11°42	15°23	11°56	15° 8	29° 8	29°51	23°19	25°51	S 15
S 16	23 39 51	23° 6'05	7 Ω 58	14°57	5°39	18°43	16°22	11°49	15°22	11°58	15° 8	29° 2	29°48	23°26	25°48	S 16
M17	23 43 48	24° 4'44	22°37	16°21	6°48	19°12	16°29	11°55	15°21	12° 0	15° 8	28°54	29°45	23°32	25°45	M17
T 18	23 47 44	25° 3'26	7 m)16	17°43	7°56	19°40	16°35	12° 1	15°19	12° 3	15° 7	28°44	29°42	23°39	25°43	T 18
W19	23 51 41	26° 2'09	21°46	19° 4	9° 5	20° 8	16°42	12° 8	15°18	12° 5	15° 7	28°34	29°39	23°46	25°40	W19
T 20	23 55 38	27° 0'55	6 호 0	20°24	10°13	20°36	16°49	12°14	15°17	12° 7	15° 7	28°25	29°36	23°52	25°37	T 20
F 21	23 59 34	27°59'42	19°54	21°43	11°22	21° 3	16°55	12°20	15°15	12° 9	15° 7	28°17	29°32	23°59	25°34	F 21
S 22	0 3 31	28°58'31	3 M 23	23° 0	12°30	21°30	17° 2	12°26	15°14	12°11	15° 6	28°12	29°29	24° 6	25°31	S 22
S 23	0 7 27	29°57'23	16°28	24°16	13°38	21°57	17°10	12°32	15°12	12°13	15° 6	28°10	29°26	24°12	25°29	S 23
M24	0 11 24	0 ჲ 56'16	29°10	25°30	14°46	22°23	17°17	12°38	15°11	12°16	15° 6	28°D 9	29°23	24°19	25°26	M24
T 25	0 15 20	1°55'10	11 × 32	26°43	15°54	22°49	17°24	12°44	15° 9	12°18	15° 6	28°10	29°20	24°26	25°23	T 25
W26	0 19 17	2°54'07	23°39	27°54	17° 2	23°14	17°32	12°50	15° 7	12°20	15° 6	28°11	29°17	24°33	25°20	W26
T 27	0 23 13	3°53'05	5 云 35	29° 3	18° 9	23°39	17°40	12°56	15° 6	12°22	15°D 6	28°R11	29°13	24°39	25°18	T 27
F 28	0 27 10	4°52'05	17°26	0 M .10	19°17	24° 4	17°48	13° 2	15° 4	12°24	15° 6	28°10	29°10	24°46	25°15	F 28
S 29	0 31 7	5°51'07	29°18	1°15	20°24	24°28	17°56	13° 8	15° 2	12°26	15° 6	28° 7	29° 7	24°53	25°12	S 29
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S 2	8 2	15 10	4 27	3 15	0 42	7 54	0 18 21	18 0 54	22 22	0 17	18 17	0 36	16 9	0 24	8 8	0 56	22 25	0 11	20 17	20 17	17 43	2 12	3 56
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T 13	3 54	21 10	2 12	4 49	0 39	13 13	1 2 22			0 15	17 58	0 38	16 6	0 24	7 59	0 56	22 27	0 10	20 0	20 10	17 26	1 59	3 56
F 14	3 31	19 55	3 15	5 31	0 47	13 41	1 6 22	15 0 39	22 30	0 15	17 56	0 38	16 6	0 24	7 58	0 56	22 27	0 9	20 0	20 9	17 24	1 58	3 56
S 15	3 8	17 23	4 7	6 11	0 55	14 8	1 10 22	19 0 38	3 22 31	0 15	17 54	0 38	16 5	0 24	7 57	0 56	22 27	0 9	19 59	20 9	17 22	1 57	3 56
S 16	2 44	13 44	4 43	6 52	1 3	14 35	1 14 22	23 0 3	22 32	0 15	17 53	0 38	16 5	0 24	7 56	0 56	22 27	0 9	19 58	20 8	17 21	1 56	3 56
M17	2 21	9 14	5 1	7 31	1 11	15 2	1 18 22		22 32	0 15	17 51	0 38	16 5	0 24	7 55	0 56	22 27	0 9	19 56	20 7	17 19	1 55	3 55
T 18	1 58	4 13	5 0	8 10	1 18	15 28	1 22 22		22 33		17 49	0 38	-		7 55		22 28		19 54		17 17	1 54	3 55
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S 22		10 43		10 2 10 38	1 41 1 49	16 45 17 10	1 39 22		22 36	-	17 44	0 39		-	7 51	0 56	22 28		19 48		17 13	1 49	3 55
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W26	-			12 21	2 18		1 51 22		2 22 40		17 37	0 39	-	0 24	7 48	0 56			19 46		17 6 17 4	1 43	3 55
T 27	1 33			13 24	2 25		1 59 22		22 40		17 35	0 40	-		7 47		22 29		19 47		17 3	1 43	3 55
F 28				13 54	2 31		2 3 23		22 42		17 33	0 40			7 47		22 29		19 47			1 42	3 55
S 29	2 20	15 56	4 29	14 23	2 38	19 54	2 7 23	4 0 17	22 42	0 13	17 32	0 40	15 59	0 24	7 46	0 56	22 29	0 8	19 46	19 59	16 59	1 41	3 54
S 30	2 s43	12 s43	4n54	14s51	2 s44	20s16	2 s 10 2 3 1	7 0s15	22 s43	0n13	17n31	0n40	15n59	0 s24	7n45	0n56	22 s29	0n 8	19 s45	19s58	16 s 5 8	1n39	3n54

Julian Day Number = 2367782.5, Delta T = 21.26 sec Ecliptic obliquity = 23°28'05, Nutation = $0^\circ00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^\circ32'18$, Lahiri = $20^\circ39'19$ Greg. Calendar

OCTOBER 1770 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ)Å(¥	Р	ß	Ω	Ç	ę,	Day
M 1	0 39 0	7 ≏ 49'16	23≈18	3 M .19	22 M 39	25 Ⅲ 15	18 × 12	13 Ω 19	14°R59	12 m 30	15 궁 6	27°R55	29 TL 1	25 궁 6	25°R 7	M 1
T 2	0 42 56	8°48'24	5) 35	4°16	23°46	25°38	18°21	13°24	14 8 57	12°32	15° 6	27 M 46	28°57	25°13	25 ∺ 4	T 2
W 3	0 46 53	9°47'33	18° 5	5°11	24°52	26° 0	18°29	13°30	14°55	12°34	15° 7	27°37	28°54	25°19	25° 1	W 3
T 4	0 50 49	10°46'44	0 Υ 50	6° 3	25°59	26°22	18°38	13°35	14°53	12°36	15° 7	27°29	28°51	25°26	24°59	T 4
F 5	0 54 46	11°45'57	13°49	6°52	27° 5	26°44	18°47	13°40	14°51	12°38	15° 7	27°22	28°48	25°33	24°56	F 5
S 6	0 58 42	12°45'12	27° 3	7°37	28°12	27° 5	18°55	13°46	14°49	12°40	15° 7	27°16	28°45	25°40	24°53	S 6
S 7	1 2 39	13°44'30	10828	8°17	29°18	27°25	19° 5	13°51	14°47	12°42	15° 7	27°13	28°42	25°46	24°51	S 7
M 8	1 6 35	14°43'49	24° 5	8°54	0 才 24	27°45	19°14	13°56	14°45	12°44	15° 8	27°D11	28°38	25°53	24°48	M 8
T 9	1 10 32	15°43'11	7 II 50	9°25	1°30	28° 5	19°23	14° 1	14°43	12°46	15° 8	27°12	28°35	26° 0	24°46	T 9
W10	1 14 29	16°42'36	21°44	9°51	2°35	28°24	19°32	14° 6	14°41	12°48	15° 8	27°13	28°32	26° 6	24°43	W10
T 11	1 18 25	17°42'02	59346	10°11	3°41	28°42	19°42	14°10	14°39	12°50	15° 9	27°14	28°29	26°13	24°41	T 11
F 12	1 22 22	18°41'31	19°53	10°25	4°46	29° 0	19°51	14°15	14°37	12°52	15° 9	27°R15	28°26	26°20	24°38	F 12
S 13	1 26 18	19°41'02	4 Ω 5	10°R32	5°51	29°17	20° 1	14°20	14°35	12°54	15°10	27°14	28°23	26°26	24°36	S 13
S 14	1 30 15	20°40'36	18°19	10°32	6°56	29°34	20°11	14°24	14°32	12°56	15°10	27°11	28°19	26°33	24°33	S 14
M15	1 34 11	21°40'12	2 m 34	10°24	8° 0	29°50	20°21	14°29	14°30	12°58	15°11	27° 7	28°16	26°40	24°31	M15
T 16	1 38 8	22°39'50	16°44	10° 8	9° 5	099 6	20°31	14°33	14°28	12°59	15°11	27° 2	28°13	26°47	24°28	T 16
W17	1 42 4	23°39'30	0 ჲ 46	9°43	10° 9	0°21	20°41	14°38	14°26	13° 1	15°12	26°57	28°10	26°53	24°26	W17
T 18	1 46 1	24°39'12	14°36	9° 9	11°13	0°35	20°51	14°42	14°23	13° 3	15°12	26°52	28° 7	27° 0	24°24	T 18
F 19	1 49 58	25°38'57	28°10	8°26	12°16	0°49	21° 2	14°46	14°21	13° 5	15°13	26°48	28° 3	27° 7	24°21	F 19
S 20	1 53 54	26°38'43	11 M 26	7°35	13°20	1° 2	21°12	14°50	14°19	13° 6	15°14	26°45	28° 0	27°13	24°19	S 20
S 21	1 57 51	27°38'32	24°22	6°36	14°23	1°14	21°23	14°54	14°16	13° 8	15°14	26°D44	27°57	27°20	24°17	S 21
M22	2 1 47	28°38'22	7 .₹ 0	5°30	15°26	1°26	21°33	14°58	14°14	13°10	15°15	26°45	27°54	27°27	24°15	M22
T 23	2 5 44	29°38'14	1 <u>9</u> °21	4°19	16°29	1°37	21°44	15° 2	14°12	13°12	15°16	26°46	27°51	27°33	24°13	T 23
W24	2 9 40	0 M .38'08	1 3 28	3° 4	17°31	1°47	21°55	15° 5	14° 9	13°13	15°17	26°48	27°48	27°40	24°10	W24
T 25	2 13 37	1°38'04	13°25	1°47	18°33	1°57	22° 6	15° 9	14° 7	13°15	15°17	26°49	27°44	27°47	24° 8	T 25
F 26	2 17 33	2°38'01	25°17	0°31	19°35	2° 6	22°17	15°12	14° 4	13°16	15°18	26°50	27°41	27°54	24° 6	F 26
S 27	2 21 30	3°38'00	7≈ 9	29 ≏ 18	20°36	2°14	22°28	15°16	14° 2	13°18	15°19	26°R51	27°38	28° 0	24° 4	S 27
S 28	2 25 27	4°38'01	19° 5	28°10	21°37	2°21	22°39	15°19	14° 0	13°20	15°20	26°50	27°35	28° 7	24° 2	S 28
M29	2 29 23	5°38'03	1)(11	27°10	22°38	2°28	22°51	15°22	13°57	13°21	15°21	26°48	27°32	28°14	24° 0	M29
T 30	2 33 20	6°38'06	13°30	26°19	23°38	2°34	23° 2	15°25	13°55	13°23	15°22	26°45	27°28	28°20	23°59	T 30
W31	2 37 16	7 M .38'12	26 ¥ 5	25 ≏ 38	24 ₹ 38	2939	23 × 14	15 Ω 28	13 8 52	13 m 24	15 云 23	26M42	27 m 25	28 궁 27	23 米 57	W31

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S 6	5 3	12 51 2 36				23 21	0 5	22 49		17 22	0 41			7 40	0 56	22 29	0 7	19 34		16 48	1 32	3 54
S 7	5 26	16 24 1 29	17 22	3 15 2	2 34 2 37	23 24	0 3	22 49	0 12	17 21	0 41	15 55	0 24	7 40	0 56	22 29	0 7	19 34	19 54	16 46	1 31	3 53
M 8	5 49	19 5 0 17	17 36	3 18 2	2 52 2 40	23 26	0 1	22 50	0 12	17 19	0 41	15 54	0 24	7 39 (0 56	22 29	0 7	19 33	19 53	16 44	1 30	3 53
T 9	6 12		17 48			23 28	0n 1	22 51	0 11	17 18	0 41	15 54	0 24	7 38 (0 56	22 30	0 7	19 33	19 52	16 43	1 29	3 53
W10	6 35		17 57			23 30		22 52	0 11			15 53				22 30	0 7	19 34			1 28	3 53
T 11	6 57				3 42 2 51			22 53	0 11		0 42						0 7			16 39	1 27	3 53
F 12		17 55 4 8			3 58 2 54		0 7		0 11								0 7		19 50		1 25	3 53
S 13	7 43	14 37 4 46		3 17 2		23 37		22 55		17 13		15 51	0 24							16 36	1 24	3 52
S 14	8 5		18 3					22 56		17 12		15 50				22 30		19 33			1 23	3 52
M15	8 27	5 45 5 10	-, -		4 41 3 3			22 56	0 11	-,							0 6		19 48		1 22	3 52
T 16	8 50	0 44 4 53		-	4 54 3 6			22 57	0 10			-					0 6		19 47		1 21	3 52
W17 T 18	9 12	4s16 4 19						22 58	0 10 0 10								0 6			16 29	1 20	3 52 3 52
F 19	9 34 9 56	8 59 3 30 13 10 2 30			5 19 3 12 5 31 3 15	23 47 23 49	0 19	22 59 23 0	0 10				0 24 0 24			22 30 22 30		19 29		16 27	1 19 1 18	3 52
S 20			16 15			23 49	0 24		0 10			15 46				22 30		19 28			1 17	3 51
S 21	10 39	19 6 0 13	15 42	2 4 2		23 54	0 26		0 10	17 4	0 43	15 46	0 24	7 30	0 57	22 30	0 6	19 27	19 44	16 22	1 16	3 51
M22		20 35 0n56				23 56	0 28		0 10							22 30				16 20	1 15	3 51
T 23	11 21	21 2 2 1	14 23	1 30 2	6 11 3 25	23 58	0 31	23 3	0 10	17 2	0 44	15 44	0 24	7 29 (0 57	22 30	0 6	19 27	19 42	16 19	1 14	3 51
W24	11 43	20 28 2 59	13 39	1 10 2	6 19 3 27	24 0	0 33	23 4	0 10	17 2	0 44	15 43	0 24	7 28 (0 57	22 30	0 6	19 28	19 41	16 17	1 13	3 50
T 25	12 3	18 59 3 49	12 53	0 50 2	6 27 3 29	24 3	0 35	23 5	0 9	17 1	0 44	15 43	0 24	7 28	0 57	22 30	0 5	19 28	19 41	16 15	1 12	3 50
F 26	12 24	16 42 4 29	12 7	0 29 2	6 34 3 31	24 5	0 38	23 5	0 9	17 0	0 44	15 42	0 24	7 27 (0 57	22 30	0 5	19 28	19 40	16 14	1 11	3 50
S 27	12 45	13 43 4 57	11 22	0 9 2	6 41 3 33	24 7	0 40	23 6	0 9	16 59	0 44	15 41	0 24	7 27 (0 57	22 30	0 5	19 28	19 39	16 12	1 10	3 50
S 28	13 5	10 10 5 12	10 39	0n12 2	6 46 3 35	24 10	0 43	23 7	0 9	16 58	0 44	15 41	0 24	7 26	0 57	22 30	0 5	19 28	19 39	16 10	1 9	3 50
M29	13 25	6 10 5 14	10 0	0 31 2	6 52 3 36	24 12	0 45	23 8	0 9	16 57	0 45	15 40	0 24	7 25 (0 57	22 30	0 5	19 28	19 38	16 8	1 8	3 49
T 30	13 45	1 51 5 2				24 15	0 48		0 9			15 39						19 27			1 7	3 49
W31	14 s 4	2n39 4n35	8 s 5 4	1n 6 2	7s 1 3s39	24n17	0n51	23 s 9	0n 9	16n56	0n45	15n38	0s24	7n24	0n57	22 s30	0n 5	19 s27	19s36	16s 5	1n 6	3n49

Julian Day Number = 2367812.5, Delta T = 21.27 sec Ecliptic obliquity = 23°28'05, Nutation = $0^\circ00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^\circ32'23$, Lahiri = $20^\circ39'23$ Greg. Calendar

NOVEMBER 1770 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(¥	Р	ß	Ω	Ç	, k	Day
T 1	2 41 13	8 M .38'19	9 Υ 0	25°R 8	25 ∡ ³38	29543	23 × ⁷ 25	15 Ω 31	13°R50	13 Mp 26	15 云 24	26°R39	27 M 22	28 궁 34	23°R55	T 1
F 2	2 45 9	9°38'27	22°14	24 ♀ 50	26°37	2°47	23°37	15°34	13 8 47	13°27	15°25	26M37	27°19	28°41	23 米 53	F 2
S 3	2 49 6	10°38'38	5 8 47	24°D43	27°36	2°50	23°49	15°37	13°45	13°28	15°26	26°35	27°16	28°47	23°52	S 3
S 4	2 53 2	11°38'50	19°37	24°48	28°34	2°52	24° 0	15°39	13°42	13°30	15°27	26°34	27°13	28°54	23°50	S 4
M 5	2 56 59	12°39'04	3 Ⅱ 41	25° 4	29°32	2°53	24°12	15°42	13°40	13°31	15°28	26°D34	27° 9	29° 1	23°48	M 5
T 6	3 0 56	13°39'20	17°55	25°29	0 궁 29	2°R53	24°24	15°44	13°37	13°32	15°29	26°35	27° 6	29° 7	23°47	T 6
W 7	3 4 52	14°39'38	29514	26° 4	1°26	2°52	24°36	15°46	13°35	13°34	15°30	26°36	27° 3	29°14	23°45	W 7
T 8	3 8 49	15°39'58	16°35	26°47	2°23	2°51	24°48	15°49	13°32	13°35	15°32	26°37	27° 0	29°21	23°44	T 8
F 9	3 12 45	16°40'20	0 Ω 54	27°37	3°19	2°48	25° 0	15°51	13°30	13°36	15°33	26°38	26°57	29°27	23°42	F 9
S 10	3 16 42	17°40'44	15° 7	28°34	4°14	2°45	25°13	15°53	13°27	13°37	15°34	26°R38	26°54	29°34	23°41	S 10
S 11	3 20 38	18°41'10	29°13	29°36	5° 9	2°41	25°25	15°54	13°25	13°39	15°35	26°38	26°50	29°41	23°40	S 11
M12	3 24 35	19°41'38	13 m) 10	0 M .43	6° 3	2°36	25°37	15°56	13°22	13°40	15°37	26°38	26°47	29°48	23°38	M12
T 13	3 28 31	20°42'07	26°56	1°55	6°56	2°30	25°50	15°58	13°20	13°41	15°38	26°37	26°44	29°54	23°37	T 13
W14	3 32 28	21°42'39	10 ≏ 31	3°10	7°49	2°24	26° 2	15°59	13°17	13°42	15°39	26°36	26°41	0≈ 1	23°36	W14
T 15	3 36 25	22°43'12	23°53	4°29	8°42	2°16	26°15	16° 1	13°15	13°43	15°41	26°36	26°38	0° 8	23°35	T 15
F 16	3 40 21	23°43'47	7 M 1	5°49	9°33	2° 8	26°27	16° 2	13°13	13°44	15°42	26°35	26°34	0°14	23°34	F 16
S 17	3 44 18	24°44'23	19°56	7°13	10°24	1°58	26°40	16° 3	13°10	13°45	15°43	26°35	26°31	0°21	23°33	S 17
S 18	3 48 14	25°45'01	2 ₹ 37	8°38	11°14	1°48	26°53	16° 4	13° 8	13°46	15°45	26°D35	26°28	0°28	23°32	S 18
M19	3 52 11	26°45'41	15° 4	10° 4	12° 3	1°37	27° 6	16° 5	13° 5	13°47	15°46	26°R35	26°25	0°35	23°31	M19
T 20	3 56 7	27°46'22	27°19	11°32	12°52	1°25	27°18	16° 6	13° 3	13°48	15°48	26°35	26°22	0°41	23°30	T 20
W21	4 0 4	28°47'04	9 궁 23	13° 1	13°40	1°12	27°31	16° 7	13° 0	13°49	15°49	26°35	26°19	0°48	23°29	W21
T 22	4 4 0	29°47'47	21°19	14°31	14°27	0°59	27°44	16° 8	12°58	13°49	15°51	26°35	26°15	0°55	23°29	T 22
F 23	4 7 57	0 ∡ 48'31	3≈11	16° 2	15°12	0°44	27°57	16° 8	12°56	13°50	15°52	26°34	26°12	1° 1	23°28	F 23
S 24	4 11 54	1°49'17	15° 2	17°33	15°57	0°29	28°10	16° 8	12°53	13°51	15°54	26°34	26° 9	1° 8	23°27	S 24
S 25	4 15 50	2°50'03	26°57	19° 4	16°41	0°13	28°23	16° 9	12°51	13°52	15°55	26°33	26° 6	1°15	23°27	S 25
M26	4 19 47	3°50'51	9) 0	20°36	17°24	29耳56	28°37	16° 9	12°49	13°52	15°57	26°D33	26° 3	1°22	23°26	M26
T 27	4 23 43	4°51'39	21°16	22° 9	18° 6	29°39	28°50	16°R 9	12°47	13°53	15°59	26°34	26° 0	1°28	23°26	T 27
W28	4 27 40	5°52'29	3 Ƴ 49	23°41	18°47	29°21	29° 3	16° 9	12°44	13°54	16° 0	26°34	25°56	1°35	23°25	W28
T 29	4 31 36	6°53'19	16°44	25°14	19°26	29° 2	29°16	16° 9	12°42	13°54	16° 2	26°35	25°53	1°42	23°25	T 29
F 30	4 35 33	7 , ₹54'10	0 8 2	26 M 47	20중 4	28 Ⅱ 43	29 х 30	16 Ω 8	12840	13 m 55	16 ਰ 4	26M36	25 M 50	1≈48	23 米 25	F 30

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	decl	decl lat	decl	lat	decl l	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	lat	decl	lat	decl	decl	decl	decl	lat
T 1 F 2 S 3	14 s24 14 43 15 2		59 8 10			3 s40 3 42 3 42	24 22	0 56	23 s10 23 10 23 11	0n 9 0 8 0 8	16 54	0 45	15n38 15 37 15 36	0 24	7n24 7 23 7 23	0 57	22 s30 22 30 22 30	0 5	19 25	19 s 3 6 19 3 5 19 3 4	16 1	1n 5 1 4 1 3	3n49 3 48 3 48
S 4 M 5 T 6 W 7 T 8	-	21 0 1 : 20 22 3	39 7 48	2 3 2 9 2 14	27 12 27 12 27 12		24 30 24 33 24 36	1 4 1 7 1 10	-	0 8 0 8 0 8 0 8	16 53 16 52 16 52	0 46 0 46 0 46	15 34 15 33	0 24 0 24 0 24	7 22 7 22 7 21 7 21 7 20	0 57 0 57 0 57 0 57 0 57	22 30	0 4 0 4 0 4	19 25 19 25 19 25	19 34 19 33 19 32 19 31 19 31	15 56 15 54 15 53	1 2 1 1 1 1 1 0 0 59	3 48 3 48 3 48 3 47 3 47
F 9 S 10	16 50	-	46 8 29	2 18	27 10	3 45 2 3 44 2	24 42	1 15	23 15 23 15	0 8		0 46	15 32 15 31		7 20 7 20 7 20	0 57		0 4	19 26	19 30 19 29	15 49	0 58 0 57	3 47 3 47
S 11 M12 T 13 W14 T 15 F 16 S 17	_	1 57 5 2 s 58 4 2 7 40 3 4 11 56 2 2 15 33 1	4 9 36 34 10 3 49 10 31	2 17 2 15 2 12 2 8 2 4	27 3 26 59 26 55 26 50	3 44 2 3 42 2 3 41 2 3 40 2 3 39 2 3 37 2	24 50 24 54 24 57 25 0 25 3	1 24 1 27 1 30 1 33 1 36	23 16 23 16 23 17 23 17 23 18 23 18 23 19	0 7 0 7 0 7 0 7 0 7 0 7	16 49 16 49 16 49 16 48	0 47 0 47 0 47 0 48 0 48	15 30 15 30 15 29 15 28 15 27 15 27 15 26	0 24 0 24 0 24 0 24 0 24	7 19 7 19 7 18 7 18 7 18 7 17 7 17	0 57 0 57 0 57 0 57 0 57	22 29 22 29 22 29	0 4 0 4 0 4 0 3 0 3	19 25 19 25 19 25 19 25 19 25	19 28 19 28 19 27 19 26 19 25 19 25 19 24	15 44 15 42 15 40 15 39 15 37	0 57 0 56 0 55 0 54 0 54 0 53 0 53	3 46 3 46 3 46 3 45 3 45 3 45
S 18 M19 T 20 W21 T 22 F 23 S 24	19 27 19 41 19 55 20 8 20 21	20 58 1 4 20 44 2 4 19 33 3 3 17 30 4 14 44 4 3	42 13 41 36 14 14	1 48 1 42 1 36 1 30 1 23	26 20 26 12		25 12 25 15 25 19 25 22 25 25	1 45 1 48 1 51 1 54 1 57	23 19 23 20 23 20 23 20 23 21 23 21 23 21	0 7 0 7 0 6 0 6 0 6 0 6	16 48 16 48 16 48 16 48	0 48 0 48 0 49 0 49 0 49	15 25 15 25 15 24 15 23 15 22 15 22 15 21	0 24 0 24 0 24 0 24	7 17 7 16 7 16 7 16 7 15 7 15 7 15	0 58 0 58 0 58 0 58 0 58	22 29	0 3 0 3 0 3 0 3 0 3	19 25 19 25 19 25 19 25 19 25	19 23 19 23 19 22 19 21 19 20 19 20 19 19	15 31 15 30 15 28 15 26 15 24	0 52 0 51 0 51 0 50 0 50 0 49 0 49	3 45 3 44 3 44 3 43 3 43 3 43
T 29	20 45 20 57 21 8 21 19 21 29 21 s39	3 25 5 0n57 4 4 5 23 4 9 43 3 2	48 17 26 13 17 56	1 3 0 56 0 48 0 41	25 19 25 9		25 34 25 37 25 40 25 42	2 6 2 9 2 12 2 14	23 22 23 22 23 22 23 22 23 22 23 22 23 s23	0 6 0 6 0 6 0 6 0 6 0 6	16 48 16 48 16 48	0 50 0 50 0 50 0 50	15 20 15 20 15 19 15 18 15 18 15 18	0 24 0 24 0 24 0 24	7 15 7 14 7 14 7 14 7 14 7 14 7n14	0 58 0 58 0 58 0 58	22 28 22 28 22 28 22 28 22 28 22 28 22 s28	0 2 0 2 0 2 0 2	19 24 19 25 19 25 19 25	19 18 19 17 19 17 19 16 19 15 19s14	15 19 15 17 15 15 15 14	0 48 0 48 0 47 0 47 0 47 0n46	3 43 3 42 3 42 3 42 3 42 3 n41

Julian Day Number = 2367843.5, Delta T = 21.29 sec Ecliptic obliquity = $23^{\circ}28'04$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}32'27$, Lahiri = $20^{\circ}39'27$ Greg. Calendar

DECEMBER 1770 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	n	ß	Ç	Ŗ	Day
S 1	4 39 29	8 × 755'02	13 8 45	28 M 20	20 궁 41	28°R23	29 х 43	16°R 8	12°R38	13 m 55	16궁 5	26 M 37	25 M 47	1≈55	23°R25	S 1
S 2	4 43 26	9°55'55	27°52	29°53	21°17	28耳 3	29°56	16 Ω 8	12836	13°56	16° 7	26°R37	25°44	2° 2	23) 24	S 2
M 3	4 47 23	10°56'50	12 I I19	1 ~ 126	21°51	27°42	0 궁 10	16° 7	12°34	13°56	16° 9	26°37	25°40	2°8	23°24	M 3
T 4	4 51 19	11°57'45	27° 0	3° 0	22°24	27°21	0°23	16° 6	12°31	13°57	16°10	26°36	25°37	2°15	23°D24	T 4
W 5	4 55 16	12°58'41	119549	4°33	22°55	26°59	0°37	16° 5	12°29	13°57	16°12	26°34	25°34	2°22	23°24	W 5
T 6	4 59 12	13°59'39	26°38	6° 7	23°24	26°36	0°50	16° 4	12°27	13°58	16°14	26°32	25°31	2°29	23°24	T 6
F 7	5 3 9	15° 0'37	$11\Omega 20$	7°40	23°53	26°14	1° 4	16° 3	12°25	13°58	16°16	26°29	25°28	2°35	23°24	F 7
S 8	5 7 5	16° 1'37	25°48	9°14	24°19	25°51	1°17	16° 2	12°23	13°58	16°18	26°27	25°25	2°42	23°25	S 8
S 9	5 11 2	17° 2'37	9 mp 59	10°47	24°43	25°28	1°31	16° 1	12°21	13°59	16°19	26°26	25°21	2°49	23°25	S 9
M10	5 14 58	18° 3'39	23°52	12°21	25° 6	25° 5	1°45	16° 0	12°20	13°59	16°21	26°D26	25°18	2°55	23°25	M10
T 11	5 18 55	19° 4'42	7 <u>₽</u> 25	13°55	25°27	24°41	1°58	15°58	12°18	13°59	16°23	26°27	25°15	3° 2	23°25	T 11
W12	5 22 52	20° 5'46	20°41	15°29	25°46	24°18	2°12	15°57	12°16	13°59	16°25	26°29	25°12	3° 9	23°26	W12
T 13	5 26 48	21° 6'50	3 M .41	17° 3	26° 3	23°54	2°26	15°55	12°14	13°59	16°27	26°30	25° 9	3°16	23°26	T 13
F 14	5 30 45	22° 7'56	16°27	18°37	26°18	23°30	2°39	15°53	12°12	13°59	16°29	26°32	25° 6	3°22	23°27	F 14
S 15	5 34 41	23° 9'03	29° 0	20°11	26°31	23° 7	2°53	15°51	12°11	13°59	16°31	26°R32	25° 2	3°29	23°27	S 15
S 16	5 38 38	24°10'10	11 🗷 23	21°45	26°41	22°43	3° 7	15°49	12° 9	13°R59	16°32	26°31	24°59	3°36	23°28	S 16
M17	5 42 34	25°11'18	23°37	23°20	26°50	22°20	3°21	15°47	12° 7	13°59	16°34	26°29	24°56	3°42	23°29	M17
T 18	5 46 31	26°12'26	5 궁 42	24°55	26°56	21°57	3°35	15°45	12° 6	13°59	16°36	26°24	24°53	3°49	23°29	T 18
W19	5 50 27	27°13'35	17°41	26°30	26°59	21°34	3°48	15°42	12° 4	13°59	16°38	26°19	24°50	3°56	23°30	W19
T 20	5 54 24	28°14'44	29°35	28° 5	27°R 1	21°11	4° 2	15°40	12° 3	13°59	16°40	26°13	24°46	4° 3	23°31	T 20
F 21	5 58 21	29°15'54	11≈26	29°40	26°59	20°49	4°16	15°37	12° 1	13°59	16°42	26° 7	24°43	4° 9	23°32	F 21
S 22	6 2 17	0 ට 17'03	23°17	1 3 16	26°56	20°27	4°30	15°35	12° 0	13°59	16°44	26° 1	24°40	4°16	23°33	S 22
S 23	6 6 14	1°18'13	5) 11	2°52	26°50	20° 6	4°44	15°32	11°58	13°59	16°46	25°56	24°37	4°23	23°34	S 23
M24	6 10 10	2°19'23	17°11	4°28	26°41	19°45	4°58	15°29	11°57	13°58	16°48	25°53	24°34	4°29	23°35	M24
T 25	6 14 7	3°20'32	29°23	6° 4	26°30	19°24	5°11	15°26	11°56	13°58	16°50	25°D52	24°31	4°36	23°36	T 25
W26	6 18 3	4°21'42	11 Y 50	7°41	26°16	19° 5	5°25	15°23	11°54	13°58	16°52	25°52	24°27	4°43	23°37	W26
T 27	6 22 0	5°22'51	24°37	9°17	26° 0	18°45	5°39	15°20	11°53	13°57	16°54	25°53	24°24	4°50	23°39	T 27
F 28	6 25 56	6°24'01	7 8 49	10°55	25°41	18°27	5°53	15°17	11°52	13°57	16°56	25°55	24°21	4°56	23°40	F 28
S 29	6 29 53	7°25'10	21°29	12°32	25°20	18° 9	6° 7	15°14	11°51	13°57	16°58	25°R56	24°18	5° 3	23°41	S 29
S 30	6 33 50	8°26'19	5 Ⅱ 37	14°10	24°57	17°51	6°21	15°10	11°50	13°56	17° 0	25°56	24°15	5°10	23°43	S 30
M31	6 37 46	9 ට 27'28	20 I I11	15 る 48	24 궁 32	17 Ⅲ 35	6 ප 35	15 Ω 7	11849	13 m 56	17る 2	25 M 54	24M12	5 ≈ 16	23) 44	M31

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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	
S 1	21 s49	17n 7 1n	11 19 s22 0n	27 <mark>24 s36</mark> 2 s46	25n48 2n20	23 s23 On 5	16n49 0n50	15n16 0s23	7n13 0n58	22 s28 0n 2	19 s25	19s14	15s10	0n46 3	n41
S 2	21 58	19 36 0s	7 19 49 0	20 24 25 2 40	25 50 2 23	23 23 0 5	16 50 0 51	15 16 0 23	7 13 0 58	22 28 0 2	19 25	19 13	15 8	0 46 3	41
M 3	22 7	20 53 1 2	26 20 16 0	13 <mark>24 13</mark> 2 34	25 52 2 26	23 23 0 5	16 50 0 51	15 15 0 23	7 13 0 58	22 28 0 2	19 25	19 12	15 6	0 45 3	41
T 4	-							15 15 0 23				19 11	-		40
W 5	22 23							15 14 0 23				19 11			40
T 6 F 7	22 30							15 13 0 23 15 13 0 23			19 24 19 24	19 10	15 1 14 59	-	3 40
S 8	22 44	-		21 23 12 1 57				15 13 0 23 15 12 0 23			19 24		14 59	-	39
S 9	22 50	3 6 5	7 22 33 0	28 23 0 1 49	26 4 2 41	23 23 0 5	16 53 0 52	15 12 0 23	7 13 0 58	22 27 0 1	19 23	19 7	14 55	0 44 3	39
M10	22 56			34 22 47 1 40				15 11 0 23			19 23		14 54	-	39
T 11	23 1			41 22 34 1 31				15 10 0 23			19 23		14 52	-	38
W12	23 6							15 10 0 23			19 23		14 50		38
_	23 10 23 14						16 55 0 53 16 56 0 53				19 24 19 24	-	14 48 14 46	-	38
	23 17						16 57 0 53				19 24		14 44		37
S 16	23 20	20 50 1	21 24 23 1	10 21 29 0 39	26 11 2 55	23 22 0 4	16 58 0 53	15 8 0 23	7 13 0 59	22 26 0 1	19 24	19 2	14 43	0 43 3	37
M17				-			16 58 0 53				19 23		14 41		37
	23 25						16 59 0 54				19 22		14 39	-	36
W19 T 20	23 26				26 12 3 0 26 12 3 1	23 21 0 4 23 21 0 3					19 21	19 0 18 59	14 37	-	36
F 21	23 27					23 21 0 3						18 58		-	36
S 22	23 28	-			-	23 20 0 3					1	18 58			35
S 23	23 28	4 51 5	7 25 9 1	43 19 58 0 52	26 11 3 5	23 20 0 3	17 4 0 54	15 5 0 23	7 13 0 59			18 57		0 44 3	35
M24	23 27		50 25 11 1			23 19 0 3					1	18 56			35
T 25	23 26		20 25 10 1			23 19 0 3					1	18 55		-	35
W26 T 27	23 24 23 21		37 25 8 1 : 42 25 5 1 :			23 19 0 3 23 18 0 3					1	18 54 18 54			34
F 28	23 19	-				23 18 0 3					1	18 53			34
_	23 16		24 24 54 2				17 10 0 55					18 52			34
S 30	23 12		-				17 11 0 56					18 51			33
M31	23 s 8	20n59 2s	8 24 s 36 2 s	5 18 s24 2n53	26n 4 3n12	23 s16 On 2	17n13 0n56	15n 2 0s23	7n15 0n59	22 s24 0s 1	19s15	18s51	14s15	0n46 3	n33

 $\label{eq:Julian Day Number = 2367873.5, Delta T = 21.30 sec} \\ Ecliptic obliquity = 23°28'03, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°32'31, Lahiri = 20°39'31Greg. Calendar$