

Astrodienst Ephemeris Tables for the year 1712

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

00:00 UT JANUARY 1712

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	₽.	v	Ç	ķ	Day
F 1	6 38 55	9 ට 47'16	<u>ეი</u> 3	18 궁 58	25 M 20	23 궁 45	13 る 55	13°R 8	6°R48	29°R43	2°R16	24중27	25 궁 18	4 ∐ 48	7≈11	F 1
S 2	6 42 51	10°48'26	13°40	20°36	26° 7	24°32	14° 9	13 N 4	6 m 47	29 Y 43	2 m 15	24°R27	25°15	4°54	7°16	S 2
S 3	6 46 48	11°49'37	27°39	22°15	26°55	25°19	14°23	13° 0	6°46	29°42	2°14	24°26	25°12	5° 1	7°20	S 3
M 4	6 50 45	12°50'48	11 M .58	23°54	27°44	26° 6	14°37	12°56	6°45	29°42	2°13	24°25	25° 8	5° 8	7°24	M 4
T 5	6 54 41	13°51'59	26°35	25°32	28°34	26°53	14°51	12°53	6°44	29°42	2°12	24°24	25° 5	5°14	7°29	T 5
W 6	6 58 38	14°53'10	11 × 25	27°10	29°25	27°40	15° 5	12°49	6°43	29°42	2°12	24°23	25° 2	5°21	7°33	W 6
T 7	7 2 34	15°54'21	26°21	28°49	0 才 16	28°27	15°19	12°44	6°41	29°42	2°11	24°22	24°59	5°28	7°38	T 7
F 8	7 631	16°55'32	11 궁 16	0≈26	1° 8	29°14	15°33	12°40	6°40	29°42	2°10	24°21	24°56	5°34	7°42	F 8
S 9	7 10 27	17°56'42	26° 0	2° 3	2° 1	0≈ 1	15°47	12°36	6°39	29°42	2° 9	24°D21	24°53	5°41	7°47	S 9
S 10	7 14 24	18°57'52	10≈27	3°40	2°55	0°49	16° 1	12°32	6°37	29°42	2°8	24°21	24°49	5°48	7°51	S 10
M11	7 18 20	19°59'02	24°32	5°15	3°49	1°36	16°15	12°28	6°36	29°D42	2° 7	24°22	24°46	5°55	7°56	M11
T 12	7 22 17	21° 0'11	8 ₩12	6°49	4°44	2°23	16°29	12°23	6°34	29°42	2° 6	24°22	24°43	6° 1	8° 1	T 12
W13	7 26 14	22° 1'19	21°26	8°21	5°39	3°10	16°44	12°19	6°32	29°42	2° 4	24°22	24°40	6° 8	8° 5	W13
T 14	7 30 10	23° 2'26	4 Υ 16	9°51	6°35	3°58	16°58	12°14	6°31	29°42	2° 3	24°23	24°37	6°15	8°10	T 14
F 15	7 34 7	24° 3'32	16°46	11°19	7°32	4°45	17°12	12°10	6°29	29°42	2° 2	24°23	24°33	6°21	8°15	F 15
S 16	7 38 3	25° 4'38	28°58	12°44	8°29	5°32	17°26	12° 5	6°27	29°42	2° 1	24°23	24°30	6°28	8°19	S 16
S 17	7 42 0	26° 5'43	10 8 59	14° 5	9°27	6°19	17°39	12° 1	6°26	29°42	2° 0	24°23	24°27	6°35	8°24	S 17
M18	7 45 56	27° 6'46	22°52	15°23	10°25	7° 7	17°53	11°56	6°24	29°42	1°59	24°23	24°24	6°41	8°29	M18
T 19	7 49 53	28° 7'49	4 ∏ 41	16°35	11°23	7°54	18° 7	11°51	6°22	29°43	1°58	24°23	24°21	6°48	8°33	T 19
W20	7 53 49	29° 8'51	16°32	17°42	12°22	8°42	18°21	11°47	6°20	29°43	1°56	24°24	24°18	6°55	8°38	W20
T 21	7 57 46	0≈ 9'52	28°28	18°43	13°22	9°29	18°35	11°42	6°18	29°43	1°55	24°24	24°14	7° 1	8°43	T 21
F 22	8 1 43	1°10'53	10931	19°36	14°22	10°16	18°49	11°37	6°16	29°44	1°54	24°25	24°11	7° 8	8°47	F 22
S 23	8 5 39	2°11'52	22°44	20°21	15°22	11° 4	19° 3	11°32	6°14	29°44	1°53	24°R25	24° 8	7°15	8°52	S 23
S 24	8 9 36	3°12'50	5 Ω 9	20°58	16°23	11°51	19°17	11°28	6°12	29°45	1°51	24°25	24° 5	7°22	8°57	S 24
M25	8 13 32	4°13'47	17°47	21°25	17°24	12°38	19°31	11°23	6°10	29°45	1°50	24°24	24° 2	7°28	9° 2	M25
T 26	8 17 29	5°14'43	0 m 38	21°41	18°26	13°26	19°44	11°18	6° 8	29°46	1°49	24°23	23°59	7°35	9° 6	T 26
W27	8 21 25	6°15'39	13°43	21°R47	19°28	14°13	19°58	11°13	6° 6	29°46	1°47	24°22	23°55	7°42	9°11	W27
T 28	8 25 22	7°16'33	27° 0	21°41	20°30	15° 1	20°12	11°8	6° 4	29°47	1°46	24°20	23°52	7°48	9°16	T 28
F 29	8 29 18	8°17'27	10 ≏ 31	21°24	21°32	15°48	20°26	11° 3	6° 2	29°47	1°45	24°18	23°49	7°55	9°20	F 29
S 30	8 33 15	9°18'20	24°15	20°56	22°35	16°36	20°39	10°58	5°59	29°48	1°43	24°17	23°46	8° 2	9°25	S 30
S 31	8 37 12	10≈19'12	8 M .11	20≈18	23 х 39	17 ≈ 23	20 궁 53	10 Ω 53	5 m 57	29 Y 49	1 m 42	24°D16	23 ~ 3	8 II 8	9 ≈ 30	S 31

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

Julian Day Number = 2346354.5, Delta T = 11.19 sec Ecliptic obliquity = $23^{\circ}28'40$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}43'12$, Lahiri = $19^{\circ}50'12$ Greg. Calendar

FEBRUARY 1712 00:00 UT

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M 1	8 41 8	11≈20'03	22 M 18	19°R30	24 × 742	18≈10	21궁 7	10°R48	5°R55	29 Y 49	1°R40	24 궁 17	23 궁 39	8 Ⅱ 15	9≈35	M 1
T 2	8 45 5	12°20'54	6 ₹ 35	18 ≈ 34	25°46	18°58	21°20	10 Ω 44	5 m 52	29°50	1 m 39	24°18	23°36	8°22	9°39	T 2
W 3	8 49 1	13°21'44	20°59	17°31	26°50	19°45	21°34	10°39	5°50	29°51	1°38	24°19	23°33	8°28	9°44	W 3
T 4	8 52 58	14°22'32	5 궁 26	16°23	27°54	20°33	21°47	10°34	5°48	29°52	1°36	24°20	23°30	8°35	9°49	T 4
F 5	8 56 54	15°23'20	19°53	15°13	28°59	21°20	22° 1	10°29	5°45	29°53	1°35	24°R21	23°27	8°42	9°54	F 5
S 6	9 0 51	16°24'07	4≈15	14° 1	0중 4	22° 8	22°14	10°24	5°43	29°54	1°33	24°21	23°24	8°48	9°58	S 6
S 7	9 4 48	17°24'52	18°26	12°51	1° 9	22°55	22°28	10°19	5°40	29°55	1°32	24°19	23°20	8°55	10° 3	S 7
M 8	9 8 44	18°25'35	2) 21	11°43	2°15	23°43	22°41	10°14	5°38	29°55	1°30	24°17	23°17	9° 2	10° 8	M 8
T 9	9 12 41	19°26'17	15°57	10°39	3°20	24°30	22°55	10° 9	5°36	29°56	1°29	24°13	23°14	9° 8	10°12	T 9
W10	9 16 37	20°26'58	29°11	9°41	4°26	25°18	23° 8	10° 5	5°33	29°57	1°27	24° 9	23°11	9°15	10°17	W10
T 11	9 20 34	21°27'37	12 Y 5	8°50	5°32	26° 5	23°21	10° 0	5°31	29°59	1°26	24° 4	23° 8	9°22	10°22	T 11
F 12	9 24 30	22°28'14	24°38	8° 6	6°38	26°53	23°34	9°55	5°28	29°59	1°24	24° 1	23° 5	9°29	10°26	F 12
S 13	9 28 27	23°28'50	6 8 53	7°29	7°44	27°40	23°47	9°50	5°25	0 8 1	1°23	23°58	23° 1	9°35	10°31	S 13
S 14	9 32 23	24°29'24	18°56	7° 0	8°51	28°27	24° 1	9°46	5°23	0° 2	1°21	23°57	22°58	9°42	10°36	S 14
M15	9 36 20	25°29'56	0∏49	6°39	9°58	29°15	24°14	9°41	5°20	0° 3	1°20	23°D57	22°55	9°49	10°40	M15
T 16	9 40 16	26°30'26	12°39	6°26	11° 5	0 ∀ 2	24°27	9°36	5°18	0° 4	1°18	23°58	22°52	9°55	10°45	T 16
W17	9 44 13	27°30'54	24°30	6°D19	12°12	0°50	24°40	9°32	5°15	0° 5	1°17	23°59	22°49	10° 2	10°50	W17
T 18	9 48 10	28°31'21	69528	6°20	13°19	1°37	24°52	9°27	5°13	0° 7	1°15	24° 1	22°45	10° 9	10°54	T 18
F 19	9 52 6	29°31'46	18°36	6°28	14°27	2°24	25° 5	9°23	5°10	0° 8	1°14	24°R 2	22°42	10°15	10°59	F 19
S 20	9 56 3	0 ∺ 32'09	0 Ω 57	6°41	15°34	3°12	25°18	9°19	5° 7	0° 9	1°12	24° 2	22°39	10°22	11° 3	S 20
S 21	9 59 59	1°32'30	13°36	7° 1	16°42	3°59	25°31	9°14	5° 5	0°11	1°10	24° 0	22°36	10°29	11° 8	S 21
M22	10 3 56	2°32'49	26°32	7°26	17°50	4°47	25°43	9°10	5° 2	0°12	1° 9	23°57	22°33	10°35	11°12	M22
T 23	10 7 52	3°33'06	9 m)47	7°56	18°58	5°34	25°56	9° 6	4°59	0°13	1° 7	23°51	22°30	10°42	11°17	T 23
W24	10 11 49	4°33'22	23°17	8°30	20° 6	6°21	26° 8	9° 1	4°57	0°15	1° 6	23°45	22°26	10°49	11°21	W24
T 25	10 15 45	5°33'35	7 ♀ 2	9° 9	21°14	7° 8	26°21	8°57	4°54	0°16	1° 4	23°38	22°23	10°55	11°26	T 25
F 26	10 19 42	6°33'48	20°58	9°52	22°23	7°56	26°33	8°53	4°52	0°18	1° 3	23°31	22°20	11° 2	11°30	F 26
S 27	10 23 39	7°33'59	5 M 1	10°39	23°31	8°43	26°46	8°49	4°49	0°19	1° 1	23°25	22°17	11° 9	11°34	S 27
S 28	10 27 35	8°34'08	19° 8	11°29	24°40	9°30	26°58	8°45	4°46	0°21	1° 0	23°22	22°14	11°15	11°39	S 28
M29	10 31 32	9 ∺ 34'16	3 ∡ 17	12≈23	25 る 49	10) 17	27 궁 10	8 Ω 41	4 Mp 44	0822	0 m 58	23る20	22 궁 11	11 II 22	11≈43	M29

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M 1	17 s24	22 s52 4	s39 12 s	s 7	3n 1	20s10	3n12	16 s26	1 s 5	22s C	0s11	18n27	0n57	10n 6	0n48	9n46	1 s46	22n36	12n35	21 s18	21 s24	25n20	11 s40	6n27
T 2	17 7	25 17 3	54 12	13	3 14	20 16		16 11	1 5	21 58	0 12	18 29	0 57	10 7	0 48	9 46	-	22 37		-	_			6 27
W 3	16 50	-	54 12		-	20 21		15 56		21 56			0 57		0 48	9 47		22 37						6 27
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F 5	16 15	_	25 12			20 31		15 26		21 52		18 33		10 10		9 47		22 39						6 27
S 6	15 57	18 21 01	n54 13	7	3 41	20 35	2 54	15 10	1 4	21 50	0 12	18 35	0 57	10 11	0 48	9 48	1 46	22 40	12 36	21 17	21 27	25 23	11 34	6 27
S 7	15 38	13 17 2	9 13	26	3 42	20 38	2 50	14 54	1 4	21 48	0 12	18 36	0 57	10 12	0 48	9 48	1 46	22 40	12 36	21 17	21 27	25 23	11 33	6 27
M 8	15 20	7 38 3	14 13	46	3 41	20 41	2 46	14 39	1 4	21 46	0 12	18 37	0 57	10 13	0 48	9 49	1 46	22 41	12 36	21 18	21 28	25 23	11 31	6 27
T 9	15 1	1 46 4	7 14	6	3 38	20 44	2 42	14 23	1 4	21 44	0 12	18 39	0 57	10 14	0 48	9 49	1 46	22 42	12 36	21 18	21 28	25 24	11 30	6 27
W10	14 42	4n 2 4	44 14		3 32		2 38	14 7		21 42			0 57	10 14	0 48	9 49		22 42						6 27
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F 12	14 3		13 15		-	20 49		13 34		21 38		18 43		10 16		9 50		22 44						6 27
S 13	13 43	18 38 5	6 15	25	3 6	20 49	2 26	13 17	1 3	21 35	0 13	18 44	0 58	10 17	0 48	9 51	1 46	22 44	12 37	21 21	21 31	25 26	11 25	6 27
S 14	13 23	22 2 4	44 15	43	2 56	20 49	2 22	13 1	1 3	21 33	0 13	18 46	0 58	10 18	0 48	9 51	1 46	22 45	12 37	21 21	21 31	25 26	11 24	6 27
M15	13 2	24 27 4	11 15	59	2 44	20 49	2 18	12 44	1 3	21 31	0 13	18 47	0 58	10 19	0 49	9 52	1 46	22 46	12 37	21 21	21 32	25 26	11 22	6 27
T 16	12 42	25 46 3	27 16	15	2 32	20 48	2 13	12 27	1 3	21 29	0 13	18 48	0 58	10 20	0 49	9 52	1 46	22 46	12 37	21 21	21 32	25 27	11 21	6 27
W17	12 21	25 56 2	34 16			20 46	2 9	12 10	1 2	21 27	0 13	18 50	0 58	10 21	0 49	9 53		22 47						6 27
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			30 16		-	20 42		11 36		21 22		18 52		10 23		9 54		22 48						6 27
S 20	11 18	19 22 0	s38 17	0	1 41	20 39	1 56	11 18	1 2	21 20	0 14	18 53	0 58	10 24	0 49	9 54	1 45	22 49	12 38	21 20	21 34	25 28	11 16	6 28
S 21	10 57	15 6 1	45 17	8	1 28	20 35	1 52	11 1	1 1	21 18	0 14	18 54	0 58	10 25	0 49	9 55	1 45	22 50	12 38	21 20	21 35	25 28	11 15	6 28
M22	10 35	10 4 2	47 17	14	1 15	20 31	1 48	10 43	1 1	21 16	0 14	18 56	0 58	10 26	0 49	9 55	1 45	22 50	12 38	21 21	21 35	25 29	11 13	6 28
T 23	10 13	4 29 3	43 17	18	1 3	20 26	1 43	10 26	1 1	21 13	0 14	18 57	0 58	10 27	0 49	9 56	1 45	22 51	12 38	21 22	21 36	25 29	11 12	6 28
W24	9 51	1 s25 4	27 17	21	0 51	20 20	1 39	10 8	1 1	21 11	0 14	18 58	0 58	10 28	0 49	9 56	1 45	22 52	12 38	21 23	21 36	25 29	11 11	6 28
T 25	9 29	7 20 4	56 17	22	0 39	20 14	1 35	9 50	1 0	21 9	0 14	18 59	0 58	10 29	0 49	9 57	1 45	22 52	12 38	21 24	21 37	25 30	11 9	6 28
F 26	9 7	12 57 5	9 17	22	0 27	20 8	1 30	9 32	1 0	21 7	-	19 0	0 58	10 30	0 49	9 57		22 53						6 28
S 27	8 45	17 58 5	3 17	21	0 16	20 1	1 26	9 14	1 0	21 5	0 15	19 1	0 58	10 31	0 49	9 58	1 45	22 53	12 38	21 27	21 38	25 30	11 7	6 28
S 28	8 22	22 0 4	38 17	17	0 5	19 53	1 21	8 56	1 0	21 2	0 15	19 2	0 59	10 32	0 49	9 58	1 45	22 54	12 38	21 27	21 38	25 31	11 5	6 29
M29	8s 0	24 s43 3	s57 17 s	s13	0s 6	19 s45	1n17	8 s38	0s59	21s (0s15	19n 4	0n59	10n33	0n49	9n59	1 s45	22n55	12n38	21 s27	21 s39	25n31	11s 4	6n29

 $\label{eq:Julian Day Number = 2346385.5, Delta T = 11.18 sec} \\ Ecliptic obliquity = 23°28'40, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°43'16, Lahiri = 19°50'16Greg. Calendar \\ \\$

MARCH 1712 00:00 UT

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T 1	10 35 28	10) 34'22	17 ∡ 725	13≈19	26 궁 58	11) 5	27る22	8°R38	4°R41	0 8 24	0°R57	23°D20	22중 7	11 II 29	11≈47	T 1
W 2	10 39 25	11°34'27	1 云 32	14°19	28° 7	11°52	27°34	8Ω 34	4 Mp 38	0°26	0 m 55	23 る 21	22° 4	11°35	11°52	W 2
T 3	10 43 21	12°34'30	15°36	15°21	29°16	12°39	27°46	8°30	4°36	0°27	0°54	23°22	22° 1	11°42	11°56	T 3
F 4	10 47 18	13°34'31	29°35	16°25	0≈26	13°26	27°58	8°27	4°33	0°29	0°52	23°R22	21°58	11°49	12° 0	F 4
S 5	10 51 14	14°34'31	13≈28	17°32	1°35	14°13	28°10	8°23	4°31	0°31	0°51	23°20	21°55	11°55	12° 4	S 5
S 6	10 55 11	15°34'29	27°13	18°41	2°44	15° 0	28°21	8°20	4°28	0°32	0°49	23°16	21°51	12° 2	12° 8	S 6
M 7	10 59 8	16°34'25	10) 46	19°52	3°54	15°48	28°33	8°16	4°26	0°34	0°48	23° 9	21°48	12° 9	12°12	M 7
T 8	11 3 4	17°34'19	24° 6	21° 5	5° 4	16°35	28°45	8°13	4°23	0°36	0°46	23° 1	21°45	12°15	12°16	T 8
W 9	11 7 1	18°34'11	7 Υ 10	22°20	6°13	17°22	28°56	8°10	4°20	0°38	0°45	22°50	21°42	12°22	12°20	W 9
T 10	11 10 57	19°34'01	19°57	23°36	7°23	18° 9	29° 7	8° 7	4°18	0°39	0°43	22°40	21°39	12°29	12°25	T 10
F 11	11 14 54	20°33'49	2 8 27	24°55	8°33	18°56	29°19	8° 4	4°15	0°41	0°42	22°30	21°36	12°36	12°28	F 11
S 12	11 18 50	21°33'34	14°42	26°15	9°43	19°43	29°30	8° 1	4°13	0°43	0°40	22°22	21°32	12°42	12°32	S 12
S 13	11 22 47	22°33'18	26°44	27°36	10°53	20°30	29°41	7°58	4°11	0°45	0°39	22°17	21°29	12°49	12°36	S 13
M14	11 26 43	23°32'59	8 Ⅱ 38	29° 0	12° 3	21°16	29°52	7°56	4° 8	0°47	0°38	22°13	21°26	12°56	12°40	M14
T 15	11 30 40	24°32'38	20°27	0) €24	13°14	22° 3	0≈ 3	7°53	4° 6	0°49	0°36	22°D12	21°23	13° 2	12°44	T 15
W16	11 34 37	25°32'15	29518	1°50	14°24	22°50	0°14	7°50	4° 3	0°50	0°35	22°12	21°20	13° 9	12°48	W16
T 17	11 38 33	26°31'49	14°15	3°18	15°34	23°37	0°24	7°48	4° 1	0°52	0°34	22°13	21°16	13°16	12°51	T 17
F 18	11 42 30	27°31'22	26°24	4°47	16°45	24°24	0°35	7°46	3°59	0°54	0°32	22°R13	21°13	13°22	12°55	F 18
S 19	11 46 26	28°30'51	8 Ω 49	6°18	17°55	25°10	0°46	7°44	3°56	0°56	0°31	22°11	21°10	13°29	12°59	S 19
S 20	11 50 23	29°30'19	21°35	7°49	19° 6	25°57	0°56	7°41	3°54	0°58	0°30	22° 8	21° 7	13°36	13° 2	S 20
M21	11 54 19	0 ℃ 29'44	4 Mp 44	9°23	20°16	26°44	1° 6	7°39	3°52	1° 0	0°28	22° 2	21° 4	13°42	13° 6	M21
T 22	11 58 16	1°29'07	18°16	10°57	21°27	27°31	1°16	7°38	3°49	1° 2	0°27	21°53	21° 1	13°49	13°10	T 22
W23	12 2 12	2°28'28	2 ≏ 11	12°33	22°38	28°17	1°27	7°36	3°47	1° 4	0°26	21°42	20°57	13°56	13°13	W23
T 24	12 6 9	3°27'47	16°23	14°11	23°48	29° 4	1°36	7°34	3°45	1° 6	0°24	21°31	20°54	14° 2	13°16	T 24
F 25	12 10 6	4°27'04	0 M .47	15°49	24°59	29°50	1°46	7°32	3°43	1°8	0°23	21°20	20°51	14° 9	13°20	F 25
S 26	12 14 2	5°26'19	15°16	17°29	26°10	0 Υ 37	1°56	7°31	3°41	1°10	0°22	21°11	20°48	14°16	13°23	S 26
S 27	12 17 59	6°25'32	29°45	19°11	27°21	1°23	2° 6	7°29	3°39	1°13	0°21	21° 4	20°45	14°22	13°26	S 27
M28	12 21 55	7°24'44	14 ×7 9	20°54	28°32	2°10	2°15	7°28	3°37	1°15	0°20	21° 0	20°42	14°29	13°30	M28
T 29	12 25 52	8°23'53	28°23	22°38	29°43	2°56	2°25	7°27	3°35	1°17	0°19	20°58	20°38	14°36	13°33	T 29
W30	12 29 48	9°23'01	12 云 27	24°24	0) € 54	3°42	2°34	7°26	3°33	1°19	0°17	20°D58	20°35	14°42	13°36	W30
T 31	12 33 45	10 Y 22'07	26 궁 19	26 米 11	2 米 5	4 Υ29	2≈43	$7\Omega_{25}$	3 m 31	1821	0 m 16	20°R58	20 궁 32	14 Ⅱ 49	13≈39	T 31

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W 2	7 14	25 23 1 5	16 59	0 26	5 19 27	1 8	8 2	0 59	20 56	0 15	19 6	0 59	10 35	0 49	10 0	1 45	22 56	12 38	21 27	21 40	25 31	11 1	6 29
T 3	6 51	23 15 0 4	2 16 50	0 36	5 19 17	1 4	7 43	0 58	20 53	0 15	19 7	0 59	10 36	0 49	10 1	1 45	22 56	12 38	21 27	21 41	25 32	11 0	6 29
F 4	6 28	19 44 0n3:	16 39	0 45	5 19 7	1 0	7 25	0 58	20 51	0 15	19 8	0 59	10 37	0 49	10 1	1 45	22 57	12 38	21 27	21 41	25 32	10 59	6 30
S 5	6 5	15 7 1 4	6 16 27	0 54	18 56	0 56	7 6	0 58	20 49	0 15	19 8	0 59	10 37	0 49	10 2	1 45	22 57	12 38	21 27	21 42	25 32	10 57	6 30
S 6	5 42	9 46 2 5	2 16 14	1 2	18 45	0 51	6 48	0 58	20 47	0 16	19 9	0 59	10 38	0 49	10 3	1 45	22 58	12 38	21 28	21 42	25 32	10 56	6 30
M 7	5 18	4 3 3 4	5 15 59	1 10	18 33	0 47	6 29	0 57	20 44	0 16	19 10	0 59	10 39	0 49	10 3	1 45	22 58	12 38	21 29	21 43	25 33	10 55	6 30
T 8	4 55	1n45 4 2	7 15 43	1 18	8 18 20	0 43	6 11	0 57	20 42	0 16	19 11	0 59	10 40	0 49	10 4	1 45	22 59	12 38	21 31	21 43	25 33	10 54	6 30
W 9	4 32	7 21 4 5	1 15 26	1 25	5 18 7	0 39	5 52	0 57	20 40	0 16	19 12	0 59	10 41	0 49	10 5	1 45	22 59	12 38	21 32	21 44	25 33	10 52	6 31
T 10	4 8	12 30 5	5 15 7	1 31	17 54	0 34	5 33	0 56	20 38	0 16	19 13	0 59	10 42	0 49	10 5	1 44	23 0	12 38	21 34	21 44	25 33	10 51	6 31
F 11	3 45	17 2 5	14 46	1 38	3 17 40	0 30	5 15	0 56	20 36	0 16	19 14	0 59	10 43	0 48	10 6	1 44	23 0	12 38	21 36	21 45	25 34	10 50	6 31
S 12	3 21	20 46 4 43	2 14 25	1 44	17 25	0 26	4 56	0 55	20 33	0 16	19 14	0 59	10 44	0 48	10 7	1 44	23 1	12 38	21 37	21 45	25 34	10 48	6 31
S 13	2 58	23 32 4 13	2 14 2	1 49	17 10	0 22	4 37	0 55	20 31	0 16	19 15	0 59	10 45	0 48	10 7	1 44	23 1	12 38	21 38	21 46	25 34	10 47	6 32
M14	2 34	25 15 3 3	1 13 37	1 54	16 55	0 18	4 18	0 55	20 29	0 17	19 16	0 59	10 46	0 48	10 8	1 44	23 2	12 38	21 39	21 46	25 34	10 46	6 32
T 15	2 10	25 49 2 4	1 13 12	1 59	16 39	0 14	3 59	0 54	20 27	0 17	19 17	0 59	10 47	0 48	10 9	1 44	23 2	12 38	21 39	21 47	25 34	10 44	6 32
W16	1 47	25 12 1 4	1 12 45	2 3	3 16 23	0 10	3 40	0 54	20 25	0 17	19 17	0 59	10 47	0 48	10 9	1 44	23 3	12 37	21 39	21 47	25 34	10 43	6 32
T 17	1 23	23 25 0 4	2 12 17	2 7	7 16 6	0 6	3 22	0 54	20 22	0 17	19 18	0 59	10 48	0 48	10 10	1 44	23 3	12 37	21 39	21 48	25 35	10 42	6 33
F 18	0 59	20 33 0s2	2 11 47	2 10	15 48	0 2	3 3	0 53	20 20	0 17	19 18	0 59	10 49	0 48	10 11	1 44	23 3	12 37	21 39	21 48	25 35	10 41	6 33
S 19	0 36	16 41 1 2	7 11 16	2 13	3 15 30	0 s 1	2 44	0 53	20 18	0 17	19 19	0 59	10 50	0 48	10 12	1 44	23 4	12 37	21 39	21 49	25 35	10 39	6 33
S 20	0 12	11 58 2 30	10 44	2 15	5 15 12	0 5	2 25	0 52	20 16	0 17	19 20	0 59	10 51	0 48	10 12	1 44	23 4	12 37	21 39	21 49	25 35	10 38	6 33
M21	0n12	6 36 3 2	5 10 11	2 17	7 14 53	0 9	2 6	0 52	20 14	0 18	19 20	0 59	10 52	0 48	10 13	1 44	23 4	12 37	21 40	21 50	25 35	10 37	6 34
T 22	0 35	0 47 4 13	9 37	2 19	14 34	0 12	1 47	0 52	20 12	0 18	19 21	0 59	10 52	0 48	10 14	1 44	23 5	12 37	21 42	21 50	25 35	10 36	6 34
W23	0 59	5s13 4 4	5 9 1	2 20	14 15	0 16	1 28	0 51	20 10	0 18	19 21	0 59	10 53	0 48	10 14	1 44	23 5	12 37	21 43	21 50	25 35	10 34	6 34
T 24	1 23	11 4 5	8 24	2 21	1 13 55	0 20	1 9	0 51	20 8	0 18	19 22	0 59	10 54	0 48	10 15	1 44	23 6	12 37	21 45	21 51	25 35	10 33	6 35
F 25	1 46	16 24 4 5	7 46	2 21	1 13 35	0 23	0 50	0 50	20 6	0 18	19 22	0 59	10 55	0 48	10 16	1 44	23 6	12 36	21 47	21 51	25 36	10 32	6 35
S 26	2 10	20 50 4 30	7 6	2 20	13 14	0 26	0 31	0 50	20 4	0 18	19 22	0 59	10 55	0 48	10 17	1 44	23 6	12 36	21 48	21 52	25 36	10 31	6 35
S 27	2 33	23 58 3 50	6 26	2 20	12 53	0 30	0 12	0 49	20 2	0 19	19 23	0 59	10 56	0 48	10 17	1 44	23 6	12 36	21 49	21 52	25 36	10 29	6 35
M28	2 57	25 33 3	5 44	2 18	3 12 31	0 33	0n 7	0 49	20 0	0 19	19 23	0 59	10 57	0 48	10 18	1 44	23 7	12 36	21 50	21 53	25 36	10 28	6 36
T 29	3 20	25 25 1 5	7 5 1	2 16	5 12 9	0 36	0 26	0 49	19 58	0 19	19 23	0 59	10 58	0 48	10 19	1 44	23 7	12 36	21 50	21 53	25 36	10 27	6 36
W30	3 43	23 38 0 4	4 17	2 14	1 11 47	0 39	0 44	0 48	19 56	0 19	19 24	0 59	10 58	0 48	10 20	1 44	23 7	12 36	21 50	21 54	25 36	10 26	6 36
T 31	4n 7	20 s28 0n2	3 s 3 2	2 s1	11 s25	0 s43	1n 3	0 s48	19s54	0s19	19n24	0n59	10n59	0n48	10n20	1 s44	23n 8	12n35	21 s50	21 s54	25n36	10 s25	6n37

Julian Day Number = 2346414.5, Delta T = 11.17 sec Ecliptic obliquity = 23°28'40, Nutation = $0^\circ00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ43'20$, Lahiri = $19^\circ50'20$ Greg. Calendar

APRIL 1712 00:00 UT

AI IX		-													00.00	0 01
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F 1	12 37 41	11 Y 21'12	10≈ 0	27 米 59	3) 17	5 Υ 15	2≈52	7°R24	3°R29	1823	0°R15	20°R57	20중29	14 II 56	13≈42	F 1
S 2	12 41 38	12°20'14	23°31	29°49	4°28	6° 1	3° 1	7Ω 23	3 m 27	1°25	0 m 14	20 궁 54	20°26	15° 2	13°45	S 2
S 3	12 45 35	13°19'15	6 ¥ 51	1 Y 41	5°39	6°48	3°10	7°23	3°25	1°27	0°13	20°48	20°22	15° 9	13°48	S 3
M 4	12 49 31	14°18'14	20° 1	3°34	6°50	7°34	3°19	7°22	3°23	1°30	0°12	20°39	20°19	15°16	13°51	M 4
T 5	12 53 28	15°17'11	2 Υ 59	5°28	8° 2	8°20	3°27	7°22	3°21	1°32	0°11	20°27	20°16	15°22	13°54	T 5
W 6	12 57 24	16°16'06	15°45	7°24	9°13	9° 6	3°36	7°21	3°20	1°34	0°10	20°14	20°13	15°29	13°57	W 6
T 7	13 121	17°14'58	28°18	9°21	10°25	9°52	3°44	7°21	3°18	1°36	0° 9	20° 0	20°10	15°36	13°59	T 7
F 8	13 5 17	18°13'49	10 8 39	11°20	11°36	10°38	3°52	7°D21	3°16	1°38	0°8	19°47	20° 7	15°42	14° 2	F 8
S 9	13 9 14	19°12'38	22°48	13°20	12°48	11°24	4° 0	7°21	3°15	1°41	0° 7	19°36	20° 3	15°49	14° 5	S 9
S 10	13 13 10	20°11'25	4 Ⅱ 46	15°21	13°59	12°10	4° 8	7°21	3°13	1°43	0° 6	19°27	20° 0	15°56	14° 7	S 10
M11	13 17 7	21°10'09	16°38	17°24	15°11	12°56	4°16	7°21	3°12	1°45	0° 5	19°21	19°57	16° 2	14°10	M11
T 12	13 21 3	22° 8'52	28°25	19°27	16°22	13°42	4°23	7°22	3°10	1°47	0° 5	19°18	19°54	16° 9	14°12	T 12
W13	13 25 0	23° 7'32	109515	21°32	17°34	14°27	4°31	7°22	3° 9	1°50	0° 4	19°17	19°51	16°16	14°15	W13
T 14	13 28 57	24° 6'10	22°10	23°38	18°46	15°13	4°38	7°23	3°8	1°52	0° 3	19°17	19°48	16°22	14°17	T 14
F 15	13 32 53	25° 4'45	4 Ω 18	25°45	19°57	15°59	4°45	7°23	3° 6	1°54	0° 2	19°17	19°44	16°29	14°19	F 15
S 16	13 36 50	26° 3'19	16°42	27°52	21° 9	16°44	4°52	7°24	3° 5	1°56	0° 2	19°15	19°41	16°36	14°21	S 16
S 17	13 40 46	27° 1'50	29°29	29°59	22°21	17°30	4°59	7°25	3° 4	1°59	0° 1	19°12	19°38	16°42	14°24	S 17
M18	13 44 43	28° 0'19	12 m 42	2 8 8	23°33	18°16	5° 6	7°26	3° 3	2° 1	0° 0	19° 6	19°35	16°49	14°26	M18
T 19	13 48 39	28°58'46	26°22	4°16	24°44	19° 1	5°12	7°27	3° 1	2° 3	$29\Omega 59$	18°58	19°32	16°56	14°28	T 19
W20	13 52 36	29°57'10	10 ≏ 29	6°23	25°56	19°47	5°19	7°28	3° 0	2° 5	29°59	18°47	19°28	17° 2	14°30	W20
T 21	13 56 32	0 8 55'33	24°59	8°30	27° 8	20°32	5°25	7°30	2°59	2°8	29°58	18°36	19°25	17° 9	14°32	T 21
F 22	14 0 29	1°53'54	9 M .45	10°36	28°20	21°17	5°31	7°31	2°58	2°10	29°58	18°25	19°22	17°16	14°33	F 22
S 23	14 4 26	2°52'13	24°40	12°41	29°32	22° 3	5°37	7°33	2°57	2°12	29°57	18°16	19°19	17°22	14°35	S 23
S 24	14 8 22	3°50'31	9 ∡ ³33	14°44	0 Υ 44	22°48	5°43	7°34	2°57	2°14	29°57	18° 9	19°16	17°29	14°37	S 24
M25	14 12 19	4°48'47	24°18	16°45	1°56	23°33	5°49	7°36	2°56	2°17	29°56	18° 5	19°13	17°36	14°39	M25
T 26	14 16 15	5°47'02	8 국 48	18°44	3° 8	24°18	5°54	7°38	2°55	2°19	29°56	18° 3	19° 9	17°42	14°40	T 26
W27	14 20 12	6°45'15	23° 1	20°41	4°20	25° 3	5°59	7°40	2°54	2°21	29°55	18°D 3	19° 6	17°49	14°42	W27
T 28	14 24 8	7°43'26	6≈55	22°35	5°32	25°49	6° 4	7°42	2°53	2°23	29°55	18°R 3	19° 3	17°56	14°43	T 28
F 29	14 28 5	8°41'36	20°31	24°26	6°44	26°34	6° 9	7°44	2°53	2°26	29°54	18° 3	19° 0	18° 2	14°45	F 29
S 30	14 32 1	9 8 39'44	3 ∺ 50	26814	7 Υ 56	27 Υ 19	6≈14	7Ω 46	2 m 52	2 8 28	29 Q 54	18 る 0	18 る 57	18 II 9	14≈46	S 30

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S 2	4 53	11 8	2 43	1 58	2 4	10 39	0 49	1 41	0 47	19 50	0 19	19 24	0 59	11 0	0 48	10 22	1 44	23 8	12 35	21 51	21 55	25 36	10 22	6 38
S 3	5 16		3 37	1 10	2 0		0 51	2 0		19 48		19 24	0 59			10 23	1 44					25 36		6 38
M 4 T 5	5 39		4 19 4 46	0 21 0n30	1 55 1 50	9 51 9 27	0 54	2 18 2 37	0 46 0 45	-	0 20 0 20		0 59				1 44 1 44					25 36 25 36	-	6 38
W 6	6 24		4 40	1 21	1 44	9 27	1 0	2 56	0 45	-	0 20		0 59		0 48		1 44					25 36		6 39
T 7	6 47		4 57	2 13	1 38	8 38	1 2	3 14	0 44	19 41	0 20		0 59	_	0 48		1 44					25 36		6 39
F 8	7 10		4 41	3 6	1 31	8 13	1 5	3 33	0 44		0 20		0 59			10 26	1 44		12 34			25 36		6 40
S 9	7 32	22 33	4 12	3 59	1 24	7 48	1 7	3 51	0 43	19 37	0 21	19 25	0 59	11 4	0 48	10 27	1 44	23 9	12 34	22 3	21 59	25 36	10 14	6 40
S 10			3 32	4 53	1 16		1 10	4 10		19 35	0 21		0 59	-		10 28	1 44		12 33			25 36		6 40
M11 T 12	8 16		2 44 1 48	5 48 6 43	1 7 0 59		1 12 1 14	4 28 4 46	0 42 0 42		0 21 0 21	19 25 19 25	0 59	-			1 44 1 44		12 33 12 33	-		25 36 25 36	10 12 10 11	6 41
W13	9 0		0 48	7 39	0 50	6 5	1 14	5 5	0 42	19 32	0 21		0 59	-			1 44		12 33			25 36	10 11	6 42
T 14	9 22	21 24	0s15	8 34	0 40	5 39	1 18	5 23	0 41	19 29	0 21	19 24	0 59	11 7	0 48	10 31	1 44	23 10	12 32	22 5	22 1	25 36	10 9	6 42
F 15	,		1 19	9 30	0 30	5 13	1 20	5 41		19 27	0 22		0 59		0 .0	10 32			12 32		22 1	25 36	10 8	6 42
S 16	10 5	13 38	2 20	10 25	0 20	4 46	1 22	5 59	0 40	19 26	0 22	19 24	0 59	11 8	0 48	10 33	1 44	23 10	12 32	22 6	22 2	25 36	10 7	6 43
S 17	10 26			11 20	0 10		1 24	6 17		19 24	0 22	-	0 59	-		10 33			12 32			25 36	-	6 43
M18 T 19	10 47 11 8			12 15 13 9	0n 1 0 12	3 53 3 26	1 26 1 28	6 35 6 52		19 23 19 22	0 22 0 22		0 59	-		10 34 10 35			12 32 12 31		22 3 22 3	25 36 25 36	10 5	6 44
W20	11 28			14 2	0 12	-	1 29	7 10			0 22		0 59	-					12 31	_	-	25 36	10 4	6 44
T 21	11 49	14 19	4 59	14 53	0 33	2 32	1 31	7 28	0 37	19 19	0 23	19 22	0 59	11 10	0 47	10 37	1 44	23 10	12 31	22 11	22 4	25 36	10 2	6 45
F 22	12 9			15 43	0 44		1 32	7 45		19 17		19 22		11 10		10 37			12 30		-	25 36	10 1	6 45
S 23	12 29	22 54	4 3	16 32	0 55	1 37	1 33	8 3	0 36	19 16	0 23	19 22	0 59	11 10	0 47	10 38	1 44	23 10	12 30	22 14	22 5	25 36	10 0	6 46
S 24	12 49		-	17 19	1 5	-	1 35	8 20		19 15	0 23	-		11 11		10 39			12 30	-	-	25 35	10 0	6 46
M25 T 26	13 9 13 28		2 2 0 49	18 4 18 47	1 15 1 25	0 42 0 14	1 36 1 37	8 37 8 55	0 35 0 34	19 14 19 13	0 23 0 24	-		11 11 11 11	0 47	10 40 10 40			12 30 12 29	22 15 22 16			9 59 9 58	6 46 6 47
W27	13 47	-		19 28	1 34	_	1 38	9 12	0 34	19 13	0 24			11 11	0 47		1 44		-	22 16	-	25 35	9 57	6 47
T 28				20 6	1 42	0 41	1 39	9 29	0 33		0 24			11 12		10 42	1 44			22 15		25 35	9 56	6 48
F 29	14 25		-	20 42	1 50	1 9	1 40	9 45	0 32	-	0 24			11 12		10 43	1 44			22 16	-	25 35	9 55	6 48
S 30	14n44	6 s44	3n38	21n15	1n58	1n37	1 s41	10n 2	0 s32	19s 8	0 s24	19n18	0n59	11n12	0n47	10n44	1 s44	23n 9	12n28	22 s16	22 s 8	25n35	9s55	6n49

 $\label{eq:Julian Day Number = 2346445.5, Delta T = 11.15 sec} \\ Ecliptic obliquity = 23°28'40, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°43'24, Lahiri = 19°50'24Greg. Calendar$

MAY 1712 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)Å(¥	Р	ß	Ω	Ç	Ŷ,	Day
S 1	14 35 58	10 8 37'51	16) (54	27 8 59	9 Υ 8	28 Y 4	6≈19	7 Ω 49	2°R52	2 8 30	29°R54	17°R55	18 る 53	18 I I16	14≈47	S 1
M 2	14 39 55	11°35'57	29°45	29°41	10°20	28°48	6°23	7°51	2 Mp 51	2°32	29€54	17 云 48	18°50	18°22	14°48	M 2
T 3	14 43 51	12°34'01	12 Y 24	1 Ⅱ 19	11°32	29°33	6°28	7°54	2°51	2°35	29°53	17°38	18°47	18°29	14°50	T 3
W 4	14 47 48	13°32'04	24°52	2°53	12°44	0818	6°32	7°56	2°50	2°37	29°53	17°27	18°44	18°36	14°51	W 4
T 5	14 51 44	14°30'05	7 8 10	4°24	13°57	1° 3	6°36	7°59	2°50	2°39	29°53	17°15	18°41	18°42	14°52	T 5
F 6	14 55 41	15°28'04	19°19	5°50	15° 9	1°47	6°39	8° 2	2°50	2°41	29°53	17° 4	18°38	18°49	14°53	F 6
S 7	14 59 37	16°26'02	1 П 19	7°13	16°21	2°32	6°43	8° 5	2°50	2°44	29°53	16°55	18°34	18°56	14°54	S 7
S 8	15 3 34	17°23'58	13°12	8°32	17°33	3°17	6°46	8° 8	2°50	2°46	29°52	16°47	18°31	19° 2	14°54	S 8
M 9	15 7 30	18°21'53	25° 0	9°48	18°45	4° 1	6°50	8°11	2°49	2°48	29°52	16°42	18°28	19° 9	14°55	M 9
T 10	15 11 27	19°19'46	69647	10°59	19°58	4°46	6°53	8°14	2°D49	2°50	29°52	16°40	18°25	19°16	14°56	T 10
W11	15 15 24	20°17'38	18°36	12° 6	21°10	5°30	6°56	8°17	2°49	2°52	29°D52	16°D39	18°22	19°22	14°56	W11
T 12	15 19 20	21°15'27	0 Ω 31	13° 8	22°22	6°14	6°58	8°21	2°49	2°54	29°52	16°40	18°19	19°29	14°57	T 12
F 13	15 23 17	22°13'15	12°38	14° 7	23°35	6°59	7° 1	8°24	2°50	2°57	29°52	16°41	18°15	19°36	14°57	F 13
S 14	15 27 13	23°11'01	25° 1	15° 1	24°47	7°43	7° 3	8°28	2°50	2°59	29°52	16°R41	18°12	19°42	14°58	S 14
S 15	15 31 10	24° 8'46	7 m 45	15°51	25°59	8°27	7° 5	8°32	2°50	3° 1	29°52	16°40	18° 9	19°49	14°58	S 15
M16	15 35 6	25° 6'28	20°55	16°37	27°12	9°11	7° 7	8°35	2°50	3° 3	29°53	16°37	18° 6	19°56	14°59	M16
T 17	15 39 3	26° 4'10	4 ₽ 33	17°18	28°24	9°55	7° 9	8°39	2°51	3° 5	29°53	16°33	18° 3	20° 2	14°59	T 17
W18	15 42 59	27° 1'49	18°40	17°54	29°36	10°39	7°10	8°43	2°51	3° 7	29°53	16°26	17°59	20° 9	14°59	W18
T 19	15 46 56	27°59'27	3 M .14	18°26	0 8 49	11°23	7°12	8°47	2°51	3° 9	29°53	16°19	17°56	20°16	14°59	T 19
F 20	15 50 53	28°57'04	18° 9	18°53	2° 1	12° 7	7°13	8°51	2°52	3°11	29°53	16°12	17°53	20°22	14°R59	F 20
S 21	15 54 49	29°54'40	3 ∡ 17	19°16	3°13	12°51	7°14	8°56	2°52	3°14	29°54	16° 6	17°50	20°29	14°59	S 21
S 22	15 58 46	0Ⅲ52'14	18°27	19°33	4°26	13°35	7°15	9° 0	2°53	3°16	29°54	16° 1	17°47	20°36	14°59	S 22
M23	16 2 42	1°49'48	3 ⋜ 31	19°46	5°38	14°19	7°15	9° 4	2°54	3°18	29°54	15°59	17°44	20°42	14°59	M23
T 24	16 6 39	2°47'20	18°19	19°55	6°51	15° 2	7°16	9° 9	2°54	3°20	29°55	15°D58	17°40	20°49	14°58	T 24
W25	16 10 35	3°44'51	2≈47	19°R58	8° 3	15°46	7°16	9°13	2°55	3°22	29°55	15°59	17°37	20°56	14°58	W25
T 26	16 14 32	4°42'22	16°52	19°57	9°16	16°30	7°R16	9°18	2°56	3°24	29°56	16° 0	17°34	21° 2	14°58	T 26
F 27	16 18 28	5°39'52	0) €33	19°52	10°28	17°13	7°16	9°22	2°57	3°26	29°56	16°R 1	17°31	21° 9	14°57	F 27
S 28	16 22 25	6°37'20	13°51	19°42	11°41	17°57	7°16	9°27	2°58	3°28	29°56	16° 1	17°28	21°16	14°57	S 28
S 29	16 26 22	7°34'48	26°49	19°28	12°54	18°40	7°15	9°32	2°59	3°30	29°57	15°59	17°25	21°22	14°56	S 29
M30	16 30 18	8°32'16	9 Υ 31	19°10	14° 6	19°24	7°15	9°37	3° 0	3°32	29°58	15°56	17°21	21°29	14°56	M30
T 31	16 34 15	9∏29'42	21 Y 57	18 Ⅱ 49	15 8 19	20 8 7	7≈14	9 Ω 42	3 Mp 1	3 8 33	29 Ω 58	15 る 51	17 る 18	21耳36	14≈55	T 31

Day	0	D	ğ	Q	♂	4	ħ)Å(Ħ	Р	R	v t	ķ
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl de	cl decl lat
S 1 M 2	15n 2 15 20	-	21n46 2n 5 22 14 2 11		n19 0s31 35 0 31			11n12 0n47 11 12 0 47		23n 9 12n28 23 9 12 28			
T 3 W 4	15 38 15 56	14 18 5 0		3 28 1 43 11	8 0 29	19 5 0 25	19 15 0 58	11 12 0 47		23 8 12 27	22 20	22 10 25 22 10 25	9 52 6 50
T 5 F 6 S 7	16 13 16 30 16 47	21 42 4 17	23 25 2 24 23 43 2 26 23 59 2 28	4 23 1 44 11	40 0 28	19 3 0 26	19 14 0 58	11 13 0 47	10 47 1 44 10 48 1 44 10 49 1 44	23 8 12 27	22 23	22 10 25 22 11 25 22 11 25	9 50 6 51
S 8 M 9		25 13 2 49	24 13 2 29 24 25 2 29	5 18 1 44 12	12 0 27 28 0 26	19 2 0 26	19 12 0 58	11 13 0 47	10 50 1 44 10 50 1 44	23 7 12 26	22 25	22 11 25 22 12 25 22 12 25	9 49 6 52
T 10 W11		24 11 0 53	24 34 2 28 24 42 2 27	6 13 1 44 12	43 0 26 59 0 25	19 1 0 26 19 0 0 27	19 11 0 58 19 10 0 58	11 13 0 47	10 51 1 44 10 52 1 44	23 7 12 25 23 7 12 25	22 26 22 26	22 13 25 22 13 25	9 48 6 53 9 47 6 53
T 12 F 13 S 14	18 21	14 53 2 15	24 47 2 24 24 51 2 20 24 53 2 15	7 34 1 43 13	14 0 25 29 0 24		19 8 0 58	11 12 0 47	10 52 1 44 10 53 1 44 10 54 1 44	23 6 12 24	22 26	22 13 25 22 14 25 22 14 25	9 46 6 54
S 15 M16	18 50 19 4	4 58 4 0	24 52 2 10 24 51 2 3	8 27 1 43 13		18 58 0 27	19 6 0 58		10 55 1 44	23 5 12 24	22 26	22 15 25 22 15 25 22 15 25	9 45 6 55
T 17 W18	19 18	6 25 5 1 12 4 5 7	24 47 1 55	9 20 1 42 14	28 0 22 43 0 21	18 58 0 28	19 4 0 58	11 12 0 46 11 12 0 46 11 12 0 46	10 56 1 44	23 5 12 23	22 27	22 16 25 22 16 25	9 44 6 56
T 19 F 20	19 57	21 27 4 22	24 35 1 37 24 27 1 27	10 38 1 40 15	11 0 20	18 57 0 28 18 57 0 28	19 1 0 58	11 11 0 46	10 57 1 44 10 58 1 44	23 4 12 22	22 30	22 16 25 22 17 25	9 43 6 57
S 22	20 10 20 22	25 21 2 23	24 7 1 3	11 4 1 39 15 11 29 1 38 15	39 0 18	18 57 0 29	18 58 0 58	11 11 0 46	10 59 1 44 10 59 1 44	23 3 12 22	22 31	22 17 25 22 18 25	9 42 6 58
	20 34 20 45 20 56	22 1 0n13	23 55 0 50 23 42 0 36 23 27 0 22	12 19 1 36 16	6 0 17	18 57 0 29 18 57 0 29 18 58 0 30	18 56 0 58	11 11 0 46 11 10 0 46 11 10 0 46	11 1 1 44	23 2 12 21	22 31	22 18 <mark>25</mark>	29 9 41 6 59
T 26 F 27		13 16 2 40	23 12 0 6	13 7 1 34 16 13 31 1 33 16	33 0 16 46 0 15	18 58 0 30 18 58 0 30	18 54 0 58 18 52 0 58	11 10 0 46 11 9 0 46	11 2 1 44	23 1 12 21 23 1 12 20	22 31 22 31	22 19 25 22 20 25 25 25 25 25 25 25 25 25 25 25 25 25	28 9 40 7 0 28 9 40 7 0
S 29	21 2721 37		22 38 0 26 22 21 0 43				18 51 0 58 18 50 0 58					22 20 25 2 22 21 25 2	
	21 46 21n55		22 2 1 0 21n43 1s18			18 59 0 31 19s 0 0s31			-	22 59 12 19 22n59 12n19	-		

Julian Day Number = 2346475.5, Delta T = 11.14 sec Ecliptic obliquity = 23°28'39, Nutation = $0^\circ00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ43'28$, Lahiri = $19^\circ50'29$ Greg. Calendar

JUNE 1712 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(¥	Р	ß	Ω	Ç	Ŷ,	Day
W 1	16 38 11	10 Ⅲ 27'08	4812	18°R25	16831	20850	7°R13	9 Ω 47	3 m/ 2	3 8 35	29 Ω 59	15°R45	17 る 15	21 II 42	14°R54	W 1
T 2	16 42 8	11°24'34	16°18	17 Ⅱ 57	17°44	21°33	7≈11	9°52	3° 3	3°37	29°59	15 云 39	17°12	21°49	14≈53	T 2
F 3	16 46 4	12°21'58	28°16	17°28	18°57	22°17	7°10	9°57	3° 4	3°39	29°59	15°33	17° 9	21°56	14°52	F 3
S 4	16 50 1	13°19'22	10耳 8	16°56	20° 9	23° 0	7° 8	10° 3	3° 6	3°41	0 Mp 1	15°28	17° 5	22° 2	14°51	S 4
S 5	16 53 57	14°16'45	21°57	16°23	21°22	23°43	7° 6	10° 8	3° 7	3°43	0° 1	15°25	17° 2	22° 9	14°50	S 5
M 6	16 57 54	15°14'07	39545	15°50	22°35	24°26	7° 4	10°13	3° 8	3°45	0° 2	15°23	16°59	22°16	14°49	M 6
T 7	17 1 51	16°11'28	15°33	15°16	23°47	25° 9	7° 2	10°19	3°10	3°46	0° 3	15°D22	16°56	22°22	14°48	T 7
W 8	17 5 47	17° 8'49	27°24	14°43	25° 0	25°52	7° 0	10°25	3°11	3°48	0° 4	15°23	16°53	22°29	14°47	W 8
T 9	17 9 44	18° 6'08	9 Ω 23	14°11	26°13	26°34	6°57	10°30	3°13	3°50	0° 5	15°24	16°50	22°36	14°46	T 9
F 10	17 13 40	19° 3'27	21°32	13°40	27°26	27°17	6°54	10°36	3°14	3°52	0° 5	15°26	16°46	22°42	14°44	F 10
S 11	17 17 37	20° 0'44	3 m 57	13°12	28°38	28° 0	6°51	10°42	3°16	3°53	0° 6	15°27	16°43	22°49	14°43	S 11
S 12	17 21 33	20°58'01	16°40	12°45	29°51	28°42	6°48	10°47	3°18	3°55	0° 7	15°R28	16°40	22°55	14°41	S 12
M13	17 25 30	21°55'17	29°46	12°22	1 I I 4	29°25	6°45	10°53	3°19	3°57	0° 8	15°28	16°37	23° 2	14°40	M13
T 14	17 29 27	22°52'32	13 ≏ 18	12° 3	2°17	0 Ⅱ 8	6°41	10°59	3°21	3°58	0° 9	15°27	16°34	23° 9	14°38	T 14
W15	17 33 23	23°49'47	27°17	11°46	3°30	0°50	6°38	11° 5	3°23	4° 0	0°10	15°25	16°31	23°15	14°37	W15
T 16	17 37 20	24°47'00	11 M .43	11°34	4°43	1°32	6°34	11°11	3°25	4° 2	0°11	15°22	16°27	23°22	14°35	T 16
F 17	17 41 16	25°44'13	26°31	11°26	5°55	2°15	6°30	11°17	3°27	4° 3	0°12	15°20	16°24	23°29	14°33	F 17
S 18	17 45 13	26°41'26	11 × 36	11°D23	7° 8	2°57	6°26	11°24	3°29	4° 5	0°13	15°17	16°21	23°35	14°32	S 18
S 19	17 49 9	27°38'38	26°49	11°24	8°21	3°39	6°21	11°30	3°31	4° 6	0°14	15°16	16°18	23°42	14°30	S 19
M20	17 53 6	28°35'50	12 る 0	11°30	9°34	4°22	6°17	11°36	3°33	4° 8	0°15	15°D15	16°15	23°49	14°28	M20
T 21	17 57 2	29°33'01	27° 0	11°40	10°47	5° 4	6°12	11°42	3°35	4° 9	0°17	15°16	16°11	23°55	14°26	T 21
W22	18 0 59	0930'12	11 ≈ 40	11°56	12° 0	5°46	6° 7	11°49	3°37	4°11	0°18	15°16	16° 8	24° 2	14°24	W22
T 23	18 4 56	1°27'23	25°57	12°16	13°13	6°28	6° 2	11°55	3°39	4°12	0°19	15°17	16° 5	24° 9	14°22	T 23
F 24	18 8 52	2°24'35	9) (48	12°41	14°26	7°10	5°57	12° 2	3°41	4°13	0°20	15°18	16° 2	24°15	14°20	F 24
S 25	18 12 49	3°21'46	23°12	13°10	15°39	7°52	5°52	12° 8	3°43	4°15	0°21	15°19	15°59	24°22	14°17	S 25
S 26	18 16 45	4°18'57	6 Υ 13	13°45	16°52	8°34	5°46	12°15	3°46	4°16	0°23	15°R19	15°56	24°29	14°15	S 26
M27	18 20 42	5°16'09	18°52	14°24	18° 5	9°15	5°41	12°22	3°48	4°17	0°24	15°19	15°52	24°35	14°13	M27
T 28	18 24 38	6°13'20	1814	15° 7	19°18	9°57	5°35	12°28	3°50	4°19	0°25	15°18	15°49	24°42	14°11	T 28
W29	18 28 35	7°10'32	13°22	15°55	20°32	10°39	5°29	12°35	3°53	4°20	0°27	15°17	15°46	24°49	14° 8	W29
T 30	18 32 31	89 7'44	25 8 20	16∏48	21 Ⅱ 45	11 Ⅱ 20	5≈23	$12\Omega 42$	3 m 55	4821	0 m 28	15 る 16	15 云 43	24 Ⅱ 55	14 ∞ 6	T 30

Day	0	D		ğ	Q	1	С	7	2	+	ŧ	l);	ł(4		Р		n	U	Ç	ď	;
	decl	decl lat	dec	l lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	at	decl	decl	decl	decl	lat
W 1 T 2	22n 3 22 11	21 1 4	-	4 1 52			18 0	0 11	-	0 31	18 44	0 58			11n 6 11 6	1 44	22n58 22 58	12 18	22 33	22 22	25 26	9s39 9 39	7n 2 7 3
F 3 S 4			49 20 4 1 20 2			1 22 1 21	18 12 18 23	0 11 0 10		0 32 0 32		0 58 0 58	_				22 57 22 57					9 39 9 39	7 3 7 4
S 5 M 6	22 33 22 39	24 29 1	3 19 4	-	17 12	1 19 1 17	18 46	0 9 0 9	19 3	0 32 0 32	18 39	0 58 0 58	11 5	0 46	11 9	1 45	22 56 22 56	12 17	22 35	22 24	25 24	9 38 9 38	7 4 7 4
T 7 W 8 T 9	22 46 22 51 22 57		6 19 1 8 18 5	3 3 24	17 51		18 57 19 8 19 19	0 8 0 7 0 7	19 4 19 5 19 6	0 32 0 33 0 33	18 36	0 58 0 58 0 58	11 4	0 46	11 9 11 10 11 10	1 45	22 55 22 55 22 54	12 17	22 35	22 25	25 23	9 38 9 38 9 38	7 5 7 5 7 6
F 10 S 11	23 2 23 6	11 24 3	6 18 4 56 18 3	3 3 47		1 10	19 29 19 40	0 6 0 5	19 7	0 33		0 58 0 58	11 2	0 45	11 11 11 12	1 45	22 54 22 53	12 16	22 35	22 25	25 23	9 38 9 38	7 6 7 6
S 12 M13 T 14	23 10 23 14 23 17	4s33 5	36 18 1 4 18 15 18	9 4 5 9 4 12 1 4 17	19 22	1 4	19 50 20 0 20 9	0 5 0 4 0 3	19 9 19 10 19 11	0 33 0 34 0 34		0 58 0 58 0 58	11 0	0 45	11 12 11 13 11 13	1 45	22 52 22 52 22 51	12 15	22 35	22 27	25 21	9 38 9 38 9 39	7 7 7 7 7 8
W15 T 16	23 20 23 22	15 19 5 19 51 4	9 17 5 43 17 5	5 4 21 1 4 24	19 55 20 10	1 0 0 57	20 19 20 28	0 3 0 2	19 12 19 13	0 34 0 34	18 24 18 23	0 58 0 58	10 59 10 58	0 45 0 45	11 14 11 14	1 45 1 45	22 51 22 50	12 15 12 15	22 35 22 35	22 27 22 28	25 20 25 20	9 39 9 39	7 8 7 8
	23 26	25 6 2	58 17 4 55 17 4	8 4 26	5 20 25 5 20 40	0 55 0 53	20 46	0 1 0 1	19 14 19 15		18 19	0 58	10 58 10 57	0 45	11 15 11 15	1 45	22 49 22 49	12 14	22 36	22 28	25 19	9 39 9 39	7 9 7 9
S 19 M20 T 21	23 27 23 28 23 29	23 14 0	40 17 4 18 17 5 1 5 17 5	2 4 22	20 54 2 21 7 2 21 20	0 51 0 48 0 46		0 1	19 17 19 18 19 19	0 35	18 18 18 16 18 14	0 58	10 56 10 55 10 55	0 45	11 15 11 16 11 16	1 45	22 48 22 48 22 47	12 13	22 36	22 29	25 18	9 39 9 40 9 40	7 9 7 10 7 10
1	23 29 23 28 23 27	9 38 3	21 18 27 18 1 18 18 2	1 4 9	21 33 21 44 2 21 55	0 44 0 41 0 39	21 28		19 21 19 22 19 24	0 36 0 36 0 36	18 11	0 58	10 54 10 53 10 52	0 45	11 17 11 17 11 18	1 45	22 46 22 46 22 45	12 13	22 36	22 30	25 16	9 40 9 40 9 41	7 10 7 11 7 11
S 25 S 26	23 26 23 24	1n48 4	54 18 3 13 18 4	2 3 55		0 37 0 34	21 43	0 4		0 36	18 7	0 58	10 52 10 51 10 50	0 45	11 18 11 18	1 45	22 44 22 44	12 12	22 36	22 31	25 15	9 41 9 41	7 11 7 11 7 12
M27 T 28	23 24 23 22 23 20	12 17 5	16 18 5 5 19 1	7 3 38	3 22 25 3 22 34	0 32	21 51 21 58 22 5	0 6 0 6	19 28	0 36 0 37 0 37	18 3	0 58	10 50 10 50 10 49	0 45	11 18 11 19 11 19	1 45	22 44 22 43 22 42	12 12	22 36	22 32	25 14	9 41 9 42 9 42	7 12 7 12 7 12
			40 19 2 1 3 19n4		3 22 41 7 22n49	-	22 12 22n18	0 7 0n 8	19 32 19 s 3 3	0 37 0 s37	18 0 17n58		10 48 10n47		11 20 11n20		22 41 22n41					9 42 9 s43	7 12 7n13

Julian Day Number = 2346506.5, Delta T = 11.13 sec Ecliptic obliquity = $23^{\circ}28'38$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}43'32$, Lahiri = $19^{\circ}50'33$ Greg. Calendar

JULY 1712 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(¥	Р	S.	v	Ç	Ŗ	Day
F 1	18 36 28	99 4'57	7 I 12	17 Ⅱ 45	22 II 58	12 II 2	5°R17	12 Ω 48	3 m 58	4 8 22	0 m 29	15°R15	15 石 40	25 I I 2	14°R 4	F 1
S 2	18 40 25	10° 2'09	19° 0	18°47	24°11	12°43	5≈11	12°55	4° 0	4°24	0°31	15 る 15	15°37	25° 9	14≈ 1	S 2
S 3	18 44 21	10°59'22	09548	19°53	25°24	13°25	5° 5	13° 2	4° 3	4°25	0°32	15°14	15°33	25°15	13°59	S 3
M 4	18 48 18	11°56'35	12°37	21° 3	26°38	14° 6	4°58	13° 9	4° 6	4°26	0°34	15°D14	15°30	25°22	13°56	M 4
T 5	18 52 14	12°53'48	24°30	22°17	27°51	14°48	4°52	13°16	4° 8	4°27	0°35	15°14	15°27	25°29	13°53	T 5
W 6	18 56 11	13°51'01	6 Ω 30	23°36	29° 4	15°29	4°45	13°23	4°11	4°28	0°36	15°14	15°24	25°35	13°51	W 6
T 7	19 0 7	14°48'14	18°37	24°58	09୍ତ17	16°10	4°38	13°30	4°14	4°29	0°38	15°R14	15°21	25°42	13°48	T 7
F 8	19 4 4	15°45'27	0 m 56	26°25	1°31	16°51	4°31	13°37	4°16	4°30	0°39	15°14	15°17	25°49	13°45	F 8
S 9	19 8 0	16°42'40	13°28	27°56	2°44	17°33	4°24	13°44	4°19	4°31	0°41	15°14	15°14	25°55	13°43	S 9
S 10	19 11 57	17°39'53	26°16	29°30	3°57	18°14	4°17	13°52	4°22	4°32	0°43	15°14	15°11	26° 2	13°40	S 10
M11	19 15 54	18°37'06	9 ₾ 23	195 8	5°11	18°55	4°10	13°59	4°25	4°33	0°44	15°14	15° 8	26° 9	13°37	M11
T 12	19 19 50	19°34'20	22°51	2°50	6°24	19°36	4° 3	14° 6	4°28	4°34	0°46	15°D14	15° 5	26°15	13°34	T 12
W13	19 23 47	20°31'33	6 M .41	4°35	7°38	20°16	3°55	14°13	4°31	4°35	0°47	15°14	15° 2	26°22	13°31	W13
T 14	19 27 43	21°28'47	20°53	6°24	8°51	20°57	3°48	14°21	4°34	4°35	0°49	15°14	14°58	26°28	13°28	T 14
F 15	19 31 40	22°26'01	5 ₹ 26	8°15	10° 5	21°38	3°41	14°28	4°37	4°36	0°51	15°15	14°55	26°35	13°25	F 15
S 16	19 35 36	23°23'15	20°16	10° 9	11°18	22°19	3°33	14°35	4°40	4°37	0°52	15°16	14°52	26°42	13°22	S 16
S 17	19 39 33	24°20'30	5 ਰ 16	12° 6	12°32	22°59	3°25	14°43	4°43	4°38	0°54	15°16	14°49	26°48	13°19	S 17
M18	19 43 30	25°17'45	20°19	14° 6	13°45	23°40	3°18	14°50	4°46	4°38	0°56	15°R16	14°46	26°55	13°16	M18
T 19	19 47 26	26°15'00	5≈16	16° 7	14°59	24°20	3°10	14°57	4°49	4°39	0°57	15°16	14°43	27° 2	13°13	T 19
W20	19 51 23	27°12'16	19°59	18°10	16°12	25° 1	3° 3	15° 5	4°52	4°40	0°59	15°15	14°39	27° 8	13°10	W20
T 21	19 55 19	28° 9'33	4) (21	20°14	17°26	25°41	2°55	15°12	4°55	4°40	1° 1	15°13	14°36	27°15	13° 7	T 21
F 22	19 59 16	29° 6'51	18°19	22°20	18°40	26°22	2°47	15°20	4°59	4°41	1° 3	15°12	14°33	27°22	13° 4	F 22
S 23	20 3 12	0 Ω 4'09	1 Y 51	24°26	19°53	27° 2	2°39	15°27	5° 2	4°41	1° 4	15°10	14°30	27°28	13° 1	S 23
S 24	20 7 9	1° 1'29	14°56	26°32	21° 7	27°42	2°32	15°35	5° 5	4°42	1° 6	15° 9	14°27	27°35	12°58	S 24
M25	20 11 5	1°58'50	27°38	28°39	22°21	28°22	2°24	15°42	5° 8	4°42	1°8	15°D 8	14°23	27°42	12°55	M25
T 26	20 15 2	2°56'11	108 0	0 Ω 45	23°34	29° 3	2°16	15°50	5°12	4°43	1°10	15° 8	14°20	27°48	12°51	T 26
W27	20 18 58	3°53'34	22° 6	2°51	24°48	29°43	2° 8	15°57	5°15	4°43	1°12	15° 9	14°17	27°55	12°48	W27
T 28	20 22 55	4°50'58	4 I 2	4°56	26° 2	0923	2° 0	16° 5	5°18	4°44	1°14	15°10	14°14	28° 2	12°45	T 28
F 29	20 26 52	5°48'23	15°51	7° 1	27°16	1° 3	1°53	16°13	5°22	4°44	1°15	15°12	14°11	28° 8	12°42	F 29
S 30	20 30 48	6°45'50	27°39	9° 4	28°30	1°43	1°45	16°20	5°25	4°44	1°17	15°13	14° 8	28°15	12°39	S 30
S 31	20 34 45	7 Ω 43'17	99528	11 0 7	295544	2923	1≈37	16 Ω 28	5 m 29	4844	1 m 19	15°R14	14궁 4	28∏22	12≈35	S 31

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S 3 M 4 T 5 W 6 T 7 F 8	22 56	23 7 0 15 20 25 0s51 16 49 1 55 12 29 2 55	20 51 2 21 8 2 21 25 21 42	2 20 23 12 0	14 22 42 (12 22 47 (19 22 58 (19 22	0 10 19 0 10 19 0 11 19 0 12 19 0 12 19 0 13 19	9 40 0 : 9 42 0 : 9 44 0 : 9 46 0 :	38 17 48 38 17 46	0 59 0 59 0 59 0 59		0 45 0 45 0 45 0 45	11 21 1 46 11 22 1 46 11 22 1 46 11 22 1 46	22 38 22 37 22 36 22 36	12 11 12 10 12 10 12 10 12 10 12 10 12 10	22 36 22 36 22 36 22 36	22 34 22 35 22 35 22 36	25 10 25 10 25 9 25 8	9 44 9 45 9 45 9 46 9 46 9 47	7 13 7 14 7 14 7 14 7 14 7 15
S 9 S 10 M11 T 12 W13 T 14 F 15	21 46 21 36	3s 7 5 0 8 34 5 16 13 46 5 15 18 25 4 56 22 9 4 18 24 35 3 24	22 27 22 40 22 51 23 1 23 9 23 15	0 49 23 26 0 0 36 23 25 0 0 23 23 23 0 0 11 23 21 0 0n 1 23 18 0	1 0 23 12 (3 23 16 (5 23 20 (6 10 23 27 (13 23 31 (6 11 23 27 (13 23 31 (6 11 23 27 (13 23 31 (14 11 23 23 31 (14 11 23 23 31 (14 11 11 11 11 11 11 11 11 11 11 11 11 1	0 14 19 0 14 19 0 15 19 0 16 19 0 17 19 0 17 19 0 18 20	9 51 0 1 9 53 0 1 9 55 0 1 9 57 0 9 59 0 1	39 17 34 40 17 32 40 17 30 40 17 28	0 59 0 59 0 59 0 59 0 59 0 59	10 38 10 37 10 36 10 35 10 34 10 32 10 31	0 44 0 44 0 44 0 44 0 44	11 23 1 46 11 23 1 46 11 24 1 46 11 24 1 46 11 24 1 46 11 24 1 46	22 34 22 33 22 32 22 31 22 31 22 30	12 9 12 9 12 9 12 8 12 8	22 36 22 36 22 36 22 36 22 36 22 36	22 37 22 37 22 37 22 38 22 38 22 38	25 7 25 6 25 5 25 5 25 4 25 3	9 47 9 48 9 48 9 49 9 50 9 50 9 51	7 15 7 15 7 15 7 15 7 15 7 16 7 16
S 16 S 17 M18 T 19 W20 T 21 F 22 S 23	21 17 21 7 20 56	24 18 0 55 21 29 0n28 17 14 1 49 11 59 3 1 6 12 4 0 0 17 4 43	23 20 (23 18 (23 15 (23 8 (22 59 22 47)	0 24 23 11 0 0 35 23 6 0 0 45 23 0 0 0 54 22 54 0 1 3 22 47 0 1 11 22 39 0	18 23 37 (20 23 40 (22 23 42 (25 23 44 (27 23 47 (29 23 48 (0 19 20 0 19 20 0 20 20 0 21 20 0 21 20 0 22 20 0 23 20 0 24 20	0 4 0 6 0 6 0 6 0 8 0 6 0 10 0 6 0 12 0 6 0 14 0 6	41 17 19 41 17 17 41 17 15	0 59 0 59 0 59 0 59 0 59 0 59	10 30 10 29 10 28 10 27 10 26 10 24 10 23 10 22	0 44 0 44 0 44 0 44 0 44	11 25 1 47 11 25 1 47	22 27	12 8 12 8 12 8 12 8 12 7 12 7	22 36 22 36 22 36 22 36 22 36 22 37 22 37	22 39 22 39 22 40 22 40 22 41 22 41	25 2 25 1 25 1 25 0 24 59 24 58	9 52 9 52 9 53 9 54 9 55 9 55 9 56 9 57	7 16 7 16 7 16 7 16 7 16 7 17 7 17 7 17
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	19 45 19 32 19 19 19 5 18 51 18 37	15 27 5 9 19 22 4 47 22 24 4 13 24 24 3 28 25 18 2 35 25 3 1 36	21 56 21 33 21 9 20 42 20 13 19 43	1 30 22 13 0 1 34 22 2 0 1 38 21 52 0 1 41 21 40 0 1 44 21 28 0 1 45 21 15 0	36 23 53 (38 23 54 (40 23 55 (42 23 56 (44 24 24 24 24 24 24 24 24 24 24 24 24 2	0 24 20 0 25 20 0 26 20 0 26 20 0 27 20 0 28 20 0 28 20 0 28 20	0 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	41 17 6 42 17 4 42 17 2 42 16 59 42 16 57	0 59 1 0 1 0 1 0 1 0 1 0		0 44 0 44 0 44 0 44 0 44	11 26 1 47 11 26 1 47 11 26 1 47 11 26 1 47 11 26 1 47	22 21 22 21 22 20 22 20 22 19 22 18	12 7 12 7 12 7 12 7 12 7 12 7	22 37 22 37 22 37 22 37 22 36	22 42 22 42 22 43 22 43 22 43 22 44	24 56 24 56 24 55	10 3	7 17 7 17 7 17 7 17 7 17 7 17 7 17 7 17

Julian Day Number = 2346536.5, Delta T = 11.12 sec Ecliptic obliquity = 23°28'38, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}43'37$, Lahiri = $19^{\circ}50'37$ Greg. Calendar

AUGUST 1712 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	Ŷ,	Day
M 1	20 38 41	8 Ω 40'45	219522	13 N 8	0 Ω 57	395 2	1°R29	16 Ω 35	5 Mg 32	4 8 45	1 m) 21	15°R14	14ਰ 1	28耳28	12°R32	M 1
T 2	20 42 38	9°38'15	3 Ω 23	15° 8	2°11	3°42	1≈22	16°43	5°35	4°45	1°23	15 云 13	13°58	28°35	12≈29	T 2
W 3	20 46 34	10°35'45	15°35	17° 6	3°25	4°22	1°14	16°51	5°39	4°45	1°25	15°11	13°55	28°42	12°26	W 3
T 4	20 50 31	11°33'17	27°57	19° 3	4°39	5° 1	1° 7	16°58	5°42	4°45	1°27	15° 7	13°52	28°48	12°22	T 4
F 5	20 54 28	12°30'49	10 m /32	20°59	5°53	5°41	0°59	17° 6	5°46	4°45	1°29	15° 3	13°49	28°55	12°19	F 5
S 6	20 58 24	13°28'23	23°19	22°53	7° 7	6°20	0°52	17°14	5°49	4°45	1°31	14°58	13°45	29° 1	12°16	S 6
S 7	21 221	14°25'57	6 ₽ 21	24°46	8°21	7° 0	0°44	17°21	5°53	4°45	1°33	14°54	13°42	29° 8	12°13	S 7
M 8	21 6 17	15°23'33	19°37	26°37	9°35	7°39	0°37	17°29	5°57	4°R45	1°35	14°51	13°39	29°15	12° 9	M 8
T 9	21 10 14	16°21'09	3 M 8	28°27	10°49	8°19	0°30	17°37	6° 0	4°45	1°37	14°49	13°36	29°21	12° 6	T 9
W10	21 14 10	17°18'46	16°54	0 m 15	12° 3	8°58	0°23	17°44	6° 4	4°45	1°39	14°D48	13°33	29°28	12° 3	W10
T 11	21 18 7	18°16'24	0 才 56	2° 2	13°18	9°37	0°15	17°52	6° 7	4°45	1°41	14°49	13°29	29°35	12° 0	T 11
F 12	21 22 3	19°14'04	15°12	3°47	14°32	10°16	0° 8	18° 0	6°11	4°45	1°43	14°50	13°26	29°41	11°56	F 12
S 13	21 26 0	20°11'44	29°41	5°31	15°46	10°55	0° 2	18° 8	6°15	4°45	1°45	14°51	13°23	29°48	11°53	S 13
S 14	21 29 57	21° 9'26	14 궁 19	7°13	17° 0	11°34	29 궁 55	18°15	6°18	4°45	1°47	14°R52	13°20	29°55	11°50	S 14
M15	21 33 53	22° 7'08	29° 2	8°54	18°14	12°13	29°48	18°23	6°22	4°45	1°49	14°51	13°17	0ණ 1	11°47	M15
T 16	21 37 50	23° 4'52	13≈42	10°34	19°28	12°52	29°42	18°31	6°26	4°44	1°51	14°49	13°14	0° 8	11°44	T 16
W17	21 41 46	24° 2'37	28°14	12°12	20°43	13°31	29°35	18°38	6°29	4°44	1°53	14°44	13°10	0°15	11°41	W17
T 18	21 45 43	25° 0'23	12) (31	13°49	21°57	14°10	29°29	18°46	6°33	4°44	1°55	14°39	13° 7	0°21	11°37	T 18
F 19	21 49 39	25°58'11	26°27	15°24	23°11	14°48	29°22	18°54	6°37	4°43	1°57	14°32	13° 4	0°28	11°34	F 19
S 20	21 53 36	26°56'01	9 Ƴ 59	16°58	24°25	15°27	29°16	19° 1	6°41	4°43	1°59	14°26	13° 1	0°35	11°31	S 20
S 21	21 57 32	27°53'52	23° 7	18°30	25°40	16° 6	29°10	19° 9	6°44	4°43	2° 1	14°20	12°58	0°41	11°28	S 21
M22	22 1 29	28°51'45	5 8 51	20° 2	26°54	16°44	29° 5	19°16	6°48	4°42	2° 3	14°16	12°55	0°48	11°25	M22
T 23	22 5 25	29°49'40	18°14	21°31	28° 8	17°23	28°59	19°24	6°52	4°42	2° 5	14°13	12°51	0°54	11°22	T 23
W24	22 9 22	0 m 47'37	0П22	23° 0	29°23	18° 1	28°53	19°32	6°56	4°41	2° 7	14°D12	12°48	1° 1	11°19	W24
T 25	22 13 19	1°45'36	12°17	24°27	0 m 37	18°40	28°48	19°39	6°59	4°41	2° 9	14°13	12°45	1° 8	11°16	T 25
F 26	22 17 15	2°43'36	24° 6	25°52	1°52	19°18	28°43	19°47	7° 3	4°40	2°11	14°14	12°42	1°14	11°13	F 26
S 27	22 21 12	3°41'39	5954	27°16	3° 6	19°56	28°37	19°54	7° 7	4°39	2°13	14°15	12°39	1°21	11°10	S 27
S 28	22 25 8	4°39'43	17°46	28°39	4°20	20°34	28°33	20° 2	7°11	4°39	2°15	14°R16	12°35	1°28	11° 7	S 28
M29	22 29 5	5°37'49	29°45	0 亚 0	5°35	21°12	28°28	20° 9	7°14	4°38	2°17	14°14	12°32	1°34	11° 5	M29
T 30	22 33 1	6°35'57	11 Ω 56	1°20	6°49	21°50	28°23	20°17	7°18	4°37	2°19	1 <u>4</u> °11	1 <u>2°</u> 29	1°41	11° 2	T 30
W31	22 36 58	7 m 34'07	24 Ω 21	2 ₾ 38	8MD 4	229528	28 궁 19	20 Ω 24	7 ™ 22	4 8 37	2 m 21	14궁 5	12 る 26	19548	10≈59	W31

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M 1	18n 7			18n36		20n48		23n56		20 s33	0 s42			10n11		11n26		22n17						
T 2 W 3	17 52 17 36		1 38 2 39	18 1 17 24	1 46		0 52 0 54	23 56		20 35 20 36	0 42 0 43		1 0			11 26 11 26	1 48 1 48	-				24 50 24 50		7 17 7 17
T 4	17 21			16 46	1 43		0 56			20 38	0 43		1 0		-	-	1 48	22 13			-	24 49	10 7	7 17
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S 6	16 48	1 s48	4 51	15 27	1 38	19 29	0 59	23 53	0 33	20 42	0 43	16 39	1 0	10 4	0 44	11 26	1 48	22 13	12 6	22 38	22 46	24 47	10 9	7 17
S 7	16 32	7 15	5 9	14 47	1 35	19 11	1 1	23 51	0 34	20 43	0 43	16 37	1 0	10 3	0 44	11 26	1 48	22 12	12 6	22 39	22 46	24 46	10 10	7 17
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W10	15 40		-	12 41	1 23			23 46		20 48	0 43		1 1	9 59	-	-	1 48	-				24 44	-	7 17
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S 13	-			10 32	1 12		1 10			20 52	0 43		1 1	9 55	-	11 25	1 48	-				24 42		7 16
S 14	14 28	22 45	0 3	9 48	1 0	16 54	1 11	23 37	0 39	20 55	0 44	16 21	1 1	9 53	0 44	11 25	1 48	22 7	12 6	22 39	22 48	24 40	10 16	7 16
M15	14 10	19 8	1n16	9 5	0 54	16 32		23 34	0 40	20 56	0 44	16 18	1 1	9 52	0 44	11 25	1 48	-			-	24 40		7 16
T 16			2 31	8 21	0 47			23 31		20 58	0 44	16 16	1 1	9 51	0 44	11 25	1 48					24 39		7 16
W17 T 18	13 32		3 34	7 37	0 41	15 48		23 28	0 41	20 59	0 44 0 44	16 14	1 1	9 49	-	_	1 49	-				24 38		7 16
F 19	13 12 12 53		4 23 4 54	6 53 6 10	0 33 0 26		1 16 1 17	23 25	0 42 0 42		0 44	16 12 16 9	1 1	9 48 9 47	-	-	1 49 1 49	22 4 22 3				24 37 24 36		7 16 7 16
S 20	12 33		5 9	5 26	0 19	-		23 18	0 43		0 44		1 1	9 45		11 24	1 49	_				24 35		7 15
S 21	12 13	13 44	5 6	4 43	0 11	14 13	1 19	23 14	0 44	21 4	0 44	16 5	1 1	9 44	0 44	11 24	1 49	22 2	12 6	22 42	22 51	24 34	10 23	7 15
M22	11 53	18 1	4 48	4 0	0 3	13 49	1 20	23 10	0 45	21 6	0 44	16 2	1 2	9 42	0 44	11 24	1 49	22 1	12 6	22 43	22 51	24 33	10 24	7 15
T 23	11 33		4 17	3 17	0s 5	_		23 6	0 45		0 44		1 2		0 44		1 49	-		_	_	24 33		7 15
W24	-		3 35	2 35	0 13			23 1	0 46		0 44		1 2		-		1 49	-				24 32		7 15
T 25 F 26	10 52 10 31		2 44	1 53	0 22 0 30			22 57	0 47		0 44		1 2		-	_	1 49					24 31		7 14
S 27	10 31		1 47 0 45	1 11 0 30	0 30			22 5222 47		21 10 21 11	0 44 0 44		1 2		-	11 23 11 23	1 49 1 49	21 58 21 58				24 30 24 29		7 14 7 14
S 28	9 49	21 59	0s19	0s11	0 47	11 14	1 23	22 42	0 49	21 12	0 44	15 49	1 2	9 34	0 44	11 23	1 49	21 57	12 7	22 43	22 53	24 28	10 30	7 14
M29	9 28	18 53	1 23	0 51	0 56	10 47		22 37		21 13	0 44	15 46	1 2	9 33	0 44	11 22	1 49	21 56				24 27		7 13
T 30	9 6		2 23	1 31	1 5			22 32		21 14	0 44		1 2		-	11 22	1 49					24 26		7 13
W31	8n45	10n19	3 s 1 8	2s10	1 s 1 3	9n52	1n24	22n26	0n51	21 s15	0 s44	15n42	1n 2	9n30	0n44	11n22	1 s49	21n55	12n 7	22 s44	22 s54	24n25	10s33	7n13

Julian Day Number = 2346567.5, Delta T = 11.10 sec Ecliptic obliquity = 23°28'38, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}43'41$, Lahiri = $19^{\circ}50'41$ Greg. Calendar

SEPTEMBER 1712 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	R	ß	Ç	Ŷ,	Day
T 1	22 40 54	8 mg 32'18	7 m) 0	3 ≏ 54	9 m /18	2395 6	28°R14	20₽32	7 Mg 26	4°R36	2 Mp 23	13°R57	12る23	1954	10°R56	T 1
F 2	22 44 51	9°30'31	19°56	5° 9	10°33	23°44	28 궁 10	20°39	7°29	4 8 35	2°25	13 る 48	12°20	2° 1	10≈54	F 2
S 3	22 48 48	10°28'46	3 ₾ 5	6°22	11°47	24°22	28° 6	20°47	7°33	4°34	2°27	13°38	12°16	2° 8	10°51	S 3
S 4	22 52 44	11°27'03	16°29	7°33	13° 2	25° 0	28° 2	20°54	7°37	4°34	2°29	13°28	12°13	2°14	10°48	S 4
M 5	22 56 41	12°25'21	OM 3	8°42	14°17	25°37	27°59	21° 1	7°41	4°33	2°31	13°20	12°10	2°21	10°46	M 5
T 6	23 0 37	13°23'41	13°48	9°49	15°31	26°15	27°55	21° 9	7°44	4°32	2°33	13°15	12° 7	2°28	10°43	T 6
W 7	23 4 34	14°22'02	27°41	10°54	16°46	26°53	27°52	21°16	7°48	4°31	2°35	13°11	12° 4	2°34	10°41	W 7
T 8	23 8 30	15°20'25	11 ~ 41	11°57	18° 0	27°30	27°49	21°23	7°52	4°30	2°37	13°D10	12° 0	2°41	10°38	T 8
F 9	23 12 27	16°18'50	25°47	12°58	19°15	28° 7	27°46	21°30	7°56	4°29	2°39	13°10	11°57	2°47	10°36	F 9
S 10	23 16 23	17°17'16	9 궁 59	13°55	20°30	28°45	27°43	21°38	7°59	4°28	2°41	13°R11	11°54	2°54	10°33	S 10
S 11	23 20 20	18°15'44	24°15	14°50	21°44	29°22	27°41	21°45	8° 3	4°27	2°43	13°10	11°51	3° 1	10°31	S 11
M12	23 24 17	19°14'14	8≈32	15°42	22°59	29°59	27°39	21°52	8° 7	4°26	2°45	13° 8	11°48	3° 7	10°29	M12
T 13	23 28 13	20°12'45	22°48	16°31	24°14	0Ω 36	27°37	21°59	8°11	4°25	2°47	13° 3	11°45	3°14	10°27	T 13
W14	23 32 10	21°11'17	6) €57	17°17	25°28	1°13	27°35	22° 6	8°14	4°24	2°49	12°55	11°41	3°21	10°24	W14
T 15	23 36 6	22° 9'52	20°55	17°59	26°43	1°50	27°33	22°13	8°18	4°22	2°51	12°45	11°38	3°27	10°22	T 15
F 16	23 40 3	23° 8'28	4 Υ38	18°36	27°58	2°27	27°31	22°20	8°22	4°21	2°53	12°34	11°35	3°34	10°20	F 16
S 17	23 43 59	24° 7'07	18° 2	19°10	29°12	3° 4	27°30	22°27	8°25	4°20	2°55	12°23	11°32	3°41	10°18	S 17
S 18	23 47 56	25° 5'48	1 8 5	19°39	0 <u>ჲ</u> 27	3°41	27°29	22°34	8°29	4°19	2°57	12°12	11°29	3°47	10°16	S 18
M19	23 51 52	26° 4'30	13°47	20° 3	1°42	4°18	27°28	22°41	8°33	4°18	2°59	12° 3	11°26	3°54	10°14	M19
T 20	23 55 49	27° 3'15	26°10	20°22	2°56	4°54	27°27	22°48	8°36	4°16	3° 1	11°57	11°22	4° 1	10°12	T 20
W21	23 59 46	28° 2'03	8 Ⅱ 17	20°35	4°11	5°31	27°26	22°55	8°40	4°15	3° 3	11°53	11°19	4° 7	10°11	W21
T 22	0 3 42	29° 0'52	20°12	20°42	5°26	6° 7	27°26	23° 1	8°44	4°14	3° 4	11°52	11°16	4°14	10° 9	T 22
F 23	0 7 39	29°59'44	295 1	20°R42	6°41	6°44	27°D26	23° 8	8°47	4°13	3° 6	11°D51	11°13	4°21	10° 7	F 23
S 24	0 11 35	0 ჲ 58'39	13°50	20°35	7°55	7°20	27°26	23°15	8°51	4°11	3° 8	11°R51	11°10	4°27	10° 6	S 24
S 25	0 15 32	1°57'35	25°43	20°21	9°10	7°56	27°26	23°21	8°54	4°10	3°10	11°51	11° 6	4°34	10° 4	S 25
M26	0 19 28	2°56'34	7 Ω 45	20° 0	10°25	8°33	27°27	23°28	8°58	4° 9	3°12	11°48	11° 3	4°40	10° 2	M26
T 27	0 23 25	3°55'35	20° 2	19°31	11°40	9° 9	27°27	23°34	9° 1	4° 7	3°14	11°43	11° 0	4°47	10° 1	T 27
W28	0 27 21	4°54'38	2 m 37	18°55	12°55	9°45	27°28	23°41	9° 5	4° 6	3°15	11°36	10°57	4°54	10° 0	W28
T 29	0 31 18	5°53'43	15°32	18°11	14° 9	10°21	27°29	23°47	9°8	4° 4	3°17	11°26	10°54	5° 0	9°58	T 29
F 30	0 35 15	6 ♀ 52'50	28 m 47	17 ≏ 19	15 ≏ 24	$10\Omega 57$	27 云 30	23 Ω 53	9 m 12	4 8 3	3 m 19	11중14	10 궁 51	5 95 7	9≈57	F 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
T 1	8n23	5n10 4s 5	2 s49 1 s2	2 9n24 1n25	22n21 0n52	21 s16 0 s44	15n39 1n 3	9n28 0n44	11n21 1s49	21n54 12n 7	22 s45 22 s54	24n24	10s34 7n13
F 2	8 1	0s17 4 39	3 26 1 3	1 8 56 1 25	22 15 0 52	21 17 0 44	15 37 1 3	9 27 0 44	11 21 1 49	21 54 12 7	22 46 22 54	24 23	10 35 7 12
S 3	7 39	5 49 5 0	4 3 1 4	0 8 27 1 25	22 9 0 53	21 18 0 44	15 35 1 3	9 26 0 44	11 21 1 49	21 53 12 7	22 47 22 55	24 22	10 36 7 12
S 4	7 17	11 10 5 4	4 39 1 4	8 7 59 1 25	22 3 0 54	21 19 0 44	15 33 1 3	9 24 0 44	11 20 1 50	21 52 12 7	22 48 22 55	24 21	10 37 7 12
M 5	6 55	16 4 4 52	5 15 1 5	7 7 30 1 25	21 57 0 55	21 19 0 44	15 30 1 3	9 23 0 44	11 20 1 50	21 52 12 7	22 48 22 55	24 20	10 38 7 11
T 6	6 32	20 11 4 23	5 49 2	5 7 1 1 25	21 50 0 55	21 20 0 44	15 28 1 3	9 21 0 44	11 20 1 50	21 51 12 7	22 49 22 55	24 19	10 39 7 11
W 7	6 10	23 13 3 38	6 23 2 1	4 6 32 1 24	21 44 0 56	21 21 0 44	15 26 1 3	9 20 0 44	11 19 1 50	21 50 12 8	22 49 22 56	24 18	10 40 7 11
T 8	5 47	24 52 2 40	6 55 2 2	2 6 2 1 24	21 37 0 57	21 21 0 44	15 24 1 3	9 19 0 44	11 19 1 50	21 50 12 8	22 49 22 56	24 17	10 41 7 10
F 9	5 25	24 56 1 31	7 26 2 3	0 5 33 1 24	21 31 0 58	21 22 0 44	15 21 1 3	9 17 0 44	11 19 1 50	21 49 12 8	22 49 22 56	24 16	10 42 7 10
S 10	5 2	23 23 0 17	7 56 2 3	8 5 3 1 24	21 24 0 58	21 23 0 44	15 19 1 4	9 16 0 44	11 18 1 50	21 49 12 8	22 49 22 57	24 15	10 43 7 10
S 11	4 39	20 20 0n59	8 25 2 4	6 4 33 1 23	21 17 0 59	21 23 0 44	15 17 1 4	9 14 0 44	11 18 1 50	21 48 12 8	22 49 22 57	24 14	10 44 7 9
M12	4 16	16 3 2 11	8 52 2 5	4 4 3 1 23	21 9 1 0	21 23 0 44	15 15 1 4	9 13 0 44	11 18 1 50	21 47 12 8	22 50 22 57	24 13	10 45 7 9
T 13	3 53	10 53 3 14	9 17 3	1 3 33 1 22	21 2 1 0	21 24 0 44	15 13 1 4	9 12 0 44	11 17 1 50	21 47 12 9	22 50 22 57	24 12	10 46 7 9
W14	3 30	5 10 4 5	9 41 3	8 3 3 1 21	20 55 1 1	21 24 0 44	15 10 1 4	9 10 0 44	11 17 1 50	21 46 12 9	22 51 22 58	24 11	10 47 7 8
T 15	3 7	0n42 4 41	10 4 3 1	5 2 33 1 21	20 47 1 2	21 25 0 44	15 8 1 4	9 9 0 44	11 16 1 50	21 46 12 9	22 52 22 58	24 10	10 48 7 8
F 16	2 44	6 25 4 59	10 24 3 2	1 2 2 1 20	20 40 1 3	21 25 0 44	15 6 1 4	9 7 0 44	11 16 1 50	21 45 12 9	22 53 22 58	24 9	10 49 7 8
S 17	2 20	11 43 5 1	10 42 3 2	7 1 32 1 19	20 32 1 3	21 25 0 44	15 4 1 4	9 6 0 44	11 15 1 50	21 45 12 9	22 54 22 59	24 8	10 49 7 7
S 18	1 57	16 20 4 46	10 58 3 3	2 1 1 1 18	20 24 1 4	21 25 0 44	15 2 1 5	9 5 0 44	11 15 1 50	21 44 12 10	22 55 22 59	24 7	10 50 7 7
M19	1 34	20 6 4 18	11 11 3 3	6 0 30 1 17	20 16 1 5	21 26 0 44	15 0 1 5	9 3 0 44	11 15 1 50	21 44 12 10	22 56 22 59	24 6	10 51 7 6
T 20	1 10	22 51 3 38	11 22 3 4	0 0s 0 1 16	20 8 1 6	21 26 0 44	14 58 1 5	9 2 0 44	11 14 1 50	21 43 12 10	22 56 22 59	24 5	10 52 7 6
W21	0 47	24 29 2 48	11 29 3 4	3 0 31 1 15	20 0 1 6	21 26 0 44	14 56 1 5	9 1 0 44	11 14 1 50	21 43 12 10	22 57 23 0	24 4	10 53 7 6
T 22	0 24	24 59 1 52	11 34 3 4	5 1 2 1 14	19 51 1 7	21 26 0 44	14 53 1 5	8 59 0 44	11 13 1 50	21 42 12 10	22 57 23 0	24 2	10 54 7 5
F 23	0 0	24 20 0 52	11 35 3 4	6 1 32 1 13	19 43 1 8	21 26 0 44	14 51 1 5	8 58 0 44	11 13 1 50	21 42 12 11	22 57 23 0	24 1	10 55 7 5
S 24	$0 \mathrm{s} 23$	22 35 0s10	11 32 3 4	6 2 3 1 12	19 34 1 9	21 26 0 44	14 49 1 5	8 57 0 44	11 12 1 50	21 41 12 11	22 57 23 0	24 0	10 55 7 4
S 25	0 47		11 26 3 4			21 26 0 44	14 47 1 6	8 55 0 44		21 41 12 11		23 59	
M26	1 10	16 13 2 13	11 15 3 4	1 3 4 1 9	19 17 1 10	21 26 0 44	14 45 1 6	8 54 0 44	11 11 1 50	21 40 12 11	22 57 23 1	23 58	10 57 7 4
T 27	1 34	11 51 3 8	11 0 3 3	7 3 35 1 8	19 8 1 11	21 26 0 44	14 43 1 6	8 53 0 44	11 11 1 51	21 40 12 12	22 58 23 1	23 57	10 58 7 3
W28	1 57	6 54 3 55	10 40 3 3	1 4 5 1 6	18 59 1 12	21 25 0 44	14 41 1 6	8 51 0 44	11 10 1 51	21 39 12 12	22 58 23 2	23 56	10 59 7 3
T 29	2 21	1 33 4 31	10 16 3 2	3 4 36 1 5	18 50 1 12	21 25 0 44	14 39 1 6	8 50 0 44	11 10 1 51	21 39 12 12	22 59 23 2	23 55	10 59 7 2
F 30	2 s44	4s 0 4s53	9 s47 3 s1	3 5s 6 1n 3	18n41 1n13	21 s25 0 s44	14n37 1n 6	8n49 0n44	11n 9 1s51	21n38 12n12	23 s 0 23 s 2	23n54	11s 0 7n 2
			1				l						

 $\label{eq:Julian Day Number = 2346598.5, Delta T = 11.09 sec} \\ Ecliptic obliquity = 23°28'38, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°43'45, Lahiri = 19°50'46Greg. Calendar$

OCTOBER 1712 00:00 UT

Day	Sid.t	0	D	ğ	Ş	♂	4	ħ)f(¥	Р	S.	v	Ç	ķ	Day
S 1	0 39 11	7 ≏ 52'00	12 ≏ 20	16°R22	16 ₽ 39	11 £ 32	27중32	24 Ω 0	9 m 15	4°R 1	3 Mp 21	11°R 1	10 궁 47	5914	9°R56	S 1
S 2	0 43 8	8°51'12	26° 9	15 ≙ 19	17°54	12° 8	27°33	24° 6	9°19	4 8 0	3°22	10 궁 48	10°44	5°20	9≈55	S 2
M 3	0 47 4	9°50'25	10 M 9	14°11	19° 9	12°44	27°35	24°12	9°22	3°58	3°24	10°38	10°41	5°27	9°53	M 3
T 4	0 51 1	10°49'41	24°17	13° 1	20°23	13°19	27°37	24°18	9°25	3°57	3°26	10°30	10°38	5°34	9°52	T 4
W 5	0 54 57	11°48'58	8 ₹ 28	11°50	21°38	13°55	27°39	24°24	9°29	3°55	3°28	10°25	10°35	5°40	9°52	W 5
T 6	0 58 54	12°48'18	22°38	10°40	22°53	14°30	27°41	24°30	9°32	3°54	3°29	10°23	10°32	5°47	9°51	T 6
F 7	1 2 50	13°47'39	6 ප 47	9°33	24° 8	15° 5	27°44	24°36	9°35	3°52	3°31	10°22	10°28	5°54	9°50	F 7
S 8	1 6 47	14°47'01	20°52	8°31	25°23	15°41	27°47	24°42	9°39	3°51	3°33	10°22	10°25	6° 0	9°49	S 8
S 9	1 10 44	15°46'26	4≈53	7°35	26°38	16°16	27°50	24°48	9°42	3°49	3°34	10°21	10°22	6° 7	9°48	S 9
M10	1 14 40	16°45'52	18°50	6°48	27°53	16°51	27°53	24°53	9°45	3°48	3°36	10°18	10°19	6°13	9°48	M10
T 11	1 18 37	17°45'20	2) (41	6°10	29° 7	17°26	27°56	24°59	9°48	3°46	3°37	10°13	10°16	6°20	9°47	T 11
W12	1 22 33	18°44'50	16°24	5°43	0M22	18° 0	28° 0	25° 5	9°51	3°44	3°39	10° 4	10°12	6°27	9°47	W12
T 13	1 26 30	19°44'21	29°57	5°27	1°37	18°35	28° 3	25°10	9°54	3°43	3°40	9°53	10° 9	6°33	9°46	T 13
F 14	1 30 26	20°43'55	13 Y 18	5°D21	2°52	19°10	28° 7	25°16	9°58	3°41	3°42	9°41	10° 6	6°40	9°46	F 14
S 15	1 34 23	21°43'30	26°24	5°27	4° 7	19°44	28°11	25°21	10° 1	3°39	3°43	9°28	10° 3	6°47	9°46	S 15
S 16	1 38 19	22°43'08	9814	5°44	5°22	20°19	28°16	25°26	10° 4	3°38	3°45	9°16	10° 0	6°53	9°45	S 16
M17	1 42 16	23°42'48	21°48	6°11	6°36	20°53	28°20	25°32	10° 7	3°36	3°46	9° 5	9°57	7° 0	9°45	M17
T 18	1 46 12	24°42'30	4 II 5	6°47	7°51	21°27	28°25	25°37	10°10	3°35	3°48	8°58	9°53	7° 7	9°45	T 18
W19	1 50 9	25°42'14	16° 9	7°32	9° 6	22° 2	28°29	25°42	10°13	3°33	3°49	8°53	9°50	7°13	9°D45	W19
T 20	1 54 6	26°42'00	28° 3	8°25	10°21	22°36	28°34	25°47	10°15	3°31	3°51	8°51	9°47	7°20	9°45	T 20
F 21	1 58 2	27°41'49	9952	9°24	11°36	23°10	28°39	25°52	10°18	3°30	3°52	8°D50	9°44	7°27	9°45	F 21
S 22	2 1 59	28°41'39	21°39	10°30	12°51	23°44	28°45	25°57	10°21	3°28	3°53	8°51	9°41	7°33	9°45	S 22
S 23	2 5 5 5	29°41'32	3 Ω 31	11°42	14° 5	24°17	28°50	26° 1	10°24	3°26	3°55	8°R51	9°37	7°40	9°46	S 23
M24	2 9 52	0 M .41'27	15°34	12°58	15°20	24°51	28°56	26° 6	10°27	3°24	3°56	8°49	9°34	7°46	9°46	M24
T 25	2 13 48	1°41'25	27°52	14°18	16°35	25°25	29° 2	26°11	10°29	3°23	3°57	8°46	9°31	7°53	9°46	T 25
W26	2 17 45	2°41'24	10 m 30	15°42	17°50	25°58	29° 8	26°15	10°32	3°21	3°58	8°41	9°28	8° 0	9°47	W26
T 27	2 21 41	3°41'26	23°32	17° 8	19° 5	26°31	29°14	26°20	10°35	3°19	4° 0	8°33	9°25	8° 6	9°47	T 27
F 28	2 25 38	4°41'29	6 ₽ 58	18°37	20°20	27° 5	29°20	26°24	10°37	3°18	4° 1	8°23	9°22	8°13	9°48	F 28
S 29	2 29 35	5°41'35	20°48	20° 8	21°35	27°38	29°27	26°28	10°40	3°16	4° 2	8°12	9°18	8°20	9°48	S 29
S 30	2 33 31	6°41'43	4 M .58	21°40	22°50	28°11	29°33	26°32	10°42	3°14	4° 3	8° 2	9°15	8°26	9°49	S 30
M31	2 37 28	7 M 41'52	19 M 24	23 ≙ 14	24M 4	28 Ω 44	29 궁 40	26 Ω 36	10 M 45	3 8 13	4MD 4	7 궁 53	9 ට 12	8933	9 ≈ 50	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	3 s 8	9 s29 5 s (9s14 3s	2 5 s 36 1n 2	18n32 1n14	21 s25 0 s44	14n35 1n 7	8n48 0n44	11n 9 1s51	21n38 12n13	23 s 1 23	3 s 2 23n52	11 s 1 7n 1
S 2	3 31	14 36 4 50	8 37 2 4	48 6 6 1 0			14 33 1 7	8 46 0 44		21 38 12 13			11 2 7 1
M 3		-				21 24 0 44		0 .5 0		21 37 12 13			
T 4 W 5		22 23 3 38 24 23 2 40				21 23 0 44 21 23 0 44				21 37 12 13 21 36 12 14			11 3 7 0 11 4 6 59
T 6							14 26 1 7			21 36 12 14			11 5 6 59
F 7	5 27	23 37 0 19					14 24 1 7	8 40 0 44		21 36 12 14			11 5 6 59
S 8	5 50	20 57 0n55	4 15 0 5	57 9 4 0 49	17 25 1 19	21 21 0 44	14 22 1 8	8 39 0 44	11 5 1 51	21 35 12 15	23 4 23	3 4 23 44	11 6 6 58
S 9	6 13	17 2 2 6	3 35 0 3	37 9 33 0 47	17 16 1 20	21 21 0 44	14 21 1 8	8 38 0 44	11 4 1 51	21 35 12 15	23 4 23	3 4 23 43	11 6 6 58
M10	6 36									21 35 12 15			
T 11 W12	6 59	6 49 3 59				21 19 0 44				21 35 12 16			
T 13	7 21 7 44	1 8 4 36 4n31 4 56				21 19 0 44 21 18 0 44				21 34 12 16 21 34 12 16			
F 14	8 6	9 52 5 (21 17 0 44	_	8 32 0 44		21 34 12 17			
S 15	8 29	14 40 4 48	1 8 1	8 12 22 0 34	16 16 1 25	21 16 0 44	14 10 1 9	8 31 0 44	11 1 1 51	21 33 12 17	23 8 23	8 6 23 36	11 10 6 55
S 16	8 51	18 43 4 21	1 3 1 2	21 12 49 0 32	16 5 1 26	21 15 0 44	14 9 1 9	8 30 0 44	11 0 1 51	21 33 12 17	23 9 23	6 23 35	11 11 6 54
M17	9 13					21 14 0 44				21 33 12 18			11 11 6 54
T 18 W19		23 50 2 53 24 42 1 58				21 13 0 44 21 12 0 44				21 33 12 18 21 33 12 18			
T 20		24 42 1 58				21 12 0 44 21 11 0 44				21 33 12 18			
F 21	10 40					21 10 0 43				21 32 12 19			
S 22	11 2	20 37 1 8	2 17 2	3 15 26 0 18	15 3 1 30	21 9 0 43	13 59 1 10	8 23 0 45	10 57 1 51	21 32 12 19	23 11 23	3 7 23 27	11 13 6 51
S 23	11 23	17 20 2 8	2 42 2	6 15 51 0 16	14 53 1 31	21 8 0 43	13 58 1 10	8 22 0 45	10 56 1 51	21 32 12 20	23 11 23	8 23 26	11 14 6 51
M24	11 44		_			21 7 0 43		8 21 0 45		21 32 12 20			
T 25 W26	12 5 12 26	8 38 3 50 3 30 4 28	_			21 6 0 43 21 4 0 43		8 20 0 45 8 19 0 45		21 32 12 20 21 32 12 21			
T 27	12 46					21 4 0 43 21 3 0 43		8 19 0 45 8 18 0 45		21 32 12 21 21 31 12 21			
F 28	13 6	7 25 5 4				21 2 0 43				21 31 12 22			
S 29	13 26	12 42 4 57	6 1 2	0 18 10 0 1	13 49 1 36	21 0 0 43	13 50 1 11	8 16 0 45	10 53 1 51	21 31 12 22	23 13 23	9 23 18	11 16 6 48
S 30	13 46	17 27 4 31	6 39 1 5	57 18 32 0s 2	13 39 1 37	20 59 0 43	13 49 1 12	8 15 0 45	10 52 1 51	21 31 12 22	23 14 23	9 23 17	11 16 6 47
M31	14s 6	21 s16 3 s48	7s17 1n5	53 18 s 53 0 s 4	13n28 1n38	20 s57 0 s43	13n47 1n12	8n14 0n45	10n52 1s51	21n31 12n23	23 s15 23	3s 9 23n16	11s17 6n47

 $\label{eq:Julian Day Number = 2346628.5, Delta T = 11.08 sec} \\ Ecliptic obliquity = 23°28'38, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°43'49, Lahiri = 19°50'50Greg. Calendar$

NOVEMBER 1712 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)/j(¥	Р	P.	S	ţ	, k	Day
T 1	2 41 24	8MJ42'04	3 √ 59	24 <u>₽</u> 48	25 M 19	29 Ω 16	29 궁 47	26 Ω 40	10 m 47	3°R11	4Mp 5	7°R46	9 5 9	89540	9≈51	T 1
W 2	2 45 21	9°42'17	18°35	26°24	26°34	29°49	29°54	26°44	10°50	3 8 9	4° 6	7 云 42	9° 6	8°46	9°52	W 2
T 3	2 49 17	10°42'32	3ਰ 7	28° 0	27°49	0 m 21	0≈ 1	26°48	10°52	3° 8	4° 7	7°D41	9° 3	8°53	9°53	T 3
F 4	2 53 14	11°42'48	17°31	29°36	29° 4	0°54	0° 9	26°52	10°54	3° 6	4° 8	7°41	8°59	9° 0	9°54	F 4
S 5	2 57 10	12°43'06	1≈44	1 M .13	0 ₮ 19	1°26	0°16	26°55	10°56	3° 4	4° 9	7°42	8°56	9° 6	9°55	S 5
S 6	3 1 7	13°43'25	15°43	2°50	1°34	1°58	0°24	26°59	10°59	3° 3	4°10	7°R42	8°53	9°13	9°56	S 6
M 7	3 5 4	14°43'45	29°30	4°27	2°48	2°30	0°32	27° 2	11° 1	3° 1	4°11	7°41	8°50	9°20	9°57	M 7
T 8	3 9 0	15°44'07	13 米 5	6° 4	4° 3	3° 2	0°40	27° 6	11° 3	2°59	4°12	7°38	8°47	9°26	9°59	T 8
W 9	3 12 57	16°44'30	26°27	7°40	5°18	3°34	0°48	27° 9	11° 5	2°58	4°13	7°32	8°43	9°33	10° 0	W 9
T 10	3 16 53	17°44'55	9 Y 36	9°17	6°33	4° 5	0°56	27°12	11° 7	2°56	4°14	7°25	8°40	9°39	10° 1	T 10
F 11	3 20 50	18°45'21	22°34	10°54	7°48	4°37	1° 5	27°15	11° 9	2°54	4°15	7°16	8°37	9°46	10° 3	F 11
S 12	3 24 46	19°45'49	5 8 18	12°31	9° 2	5° 8	1°13	27°18	11°11	2°53	4°15	7° 7	8°34	9°53	10° 5	S 12
S 13	3 28 43	20°46'18	17°51	14° 7	10°17	5°39	1°22	27°21	11°13	2°51	4°16	6°58	8°31	9°59	10° 6	S 13
M14	3 32 39	21°46'49	0 Ⅱ 10	15°43	11°32	6°10	1°31	27°24	11°15	2°50	4°17	6°51	8°28	10° 6	10° 8	M14
T 15	3 36 36	22°47'21	12°19	17°19	12°47	6°41	1°40	27°26	11°16	2°48	4°17	6°46	8°24	10°13	10°10	T 15
W16	3 40 33	23°47'55	24°17	18°55	14° 2	7°12	1°49	27°29	11°18	2°47	4°18	6°43	8°21	10°19	10°11	W16
T 17	3 44 29	24°48'31	695 8	20°31	15°16	7°42	1°58	27°31	11°20	2°45	4°19	6°D42	8°18	10°26	10°13	T 17
F 18	3 48 26	25°49'08	17°55	22° 6	16°31	8°12	2° 8	27°34	11°21	2°44	4°19	6°43	8°15	10°33	10°15	F 18
S 19	3 52 22	26°49'47	29°42	23°41	17°46	8°43	2°17	27°36	11°23	2°42	4°20	6°44	8°12	10°39	10°17	S 19
S 20	3 56 19	27°50'28	11 Ω 34	25°16	19° 1	9°13	2°27	27°38	11°24	2°41	4°20	6°46	8° 9	10°46	10°19	S 20
M21	4 0 15	28°51'10	23°34	26°51	20°16	9°43	2°37	27°40	11°26	2°39	4°21	6°R47	8° 5	10°53	10°22	M21
T 22	4 4 12	29°51'54	5 m 50	28°26	21°30	10°12	2°46	27°42	11°27	2°38	4°21	6°47	8° 2	10°59	10°24	T 22
W23	4 8 8	0 ₮ 52'39	18°25	0 才 1	22°45	10°42	2°56	27°44	11°29	2°36	4°22	6°46	7°59	11° 6	10°26	W23
T 24	4 12 5	1°53'26	1 ≏ 24	1°35	24° 0	11°11	3° 7	27°45	11°30	2°35	4°22	6°43	7°56	11°12	10°28	T 24
F 25	4 16 2	2°54'14	14°49	3°10	25°15	11°40	3°17	27°47	11°31	2°33	4°23	6°38	7°53	11°19	10°31	F 25
S 26	4 19 58	3°55'04	28°42	4°44	26°29	12° 9	3°27	27°48	11°33	2°32	4°23	6°33	7°49	11°26	10°33	S 26
S 27	4 23 55	4°55'56	13 M 1	6°18	27°44	12°38	3°38	27°50	11°34	2°31	4°23	6°28	7°46	11°32	10°36	S 27
M28	4 27 51	5°56'48	27°41	7°52	28°59	13° 7	3°48	27°51	11°35	2°29	4°24	6°23	7°43	11°39	10°38	M28
T 29	4 31 48	6°57'42	12 ₹ 35	9°26	0 궁 14	13°35	3°59	27°52	11°36	2°28	4°24	6°20	7°40	11°46	10°41	T 29
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F 18	19 15	21 16	1 s 1	18 17	0 2		0 49	10 16	1 54	20 25	0 43	13 31	1 16	8 1	0 46	10 42						22 51		6 38
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S 20	19 43	14 29	2 59	19 18	0 11	23 55	0 54	9 55	1 56	20 20	0 43	13 30	1 16	8 0	0 46	10 41	1 51	21 33	12 31	23 18	23 14	22 48	11 18	6 37
M21	19 56	10 6	3 48	19 46	0 18	24 3	0 56	9 45	1 57	20 18	0 43	13 30	1 16	8 0	0 46	10 41	1 51	21 33	12 32	23 18	23 14	22 47	11 18	6 37
T 22	20 9	5 14	4 28	20 14	0 24	24 10	0 58	9 35	1 58	20 16	0 43	13 29	1 17	7 59	0 46	10 40	1 51	21 33	12 32	23 18	23 14	22 45	11 18	6 36
W23	20 22	0 2	4 57	20 41	0 31	24 17	1 0	9 24	1 59	20 13	0 43	13 29	1 17	7 59	0 46	10 40	1 51	21 34	12 33	23 18	23 14	22 44	11 18	6 36
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S 26	20 58	15 32	4 50	21 56	0 50	24 33	1 7	8 54	2 2	20 6	0 43	13 28	1 17	7 57	0 46	10 38	1 51	21 34	12 34	23 19	23 15	22 40	11 17	6 35
S 27	21 9	19 46	4 12	22 19	0 56	24 36	1 9	8 43	2 3	20 4	0 43	13 28	1 18	7 57	0 46	10 38	1 50	21 35	12 34	23 19	23 15	22 38	11 17	6 34
M28	21 20	22 51	3 16	22 40	1 2	24 39	1 11	8 33	2 4	20 1	0 42	13 27	1 18	7 56	0 46	10 38	1 50	21 35	12 35	23 19	23 15	22 37	11 16	6 34
T 29	21 30	24 26	2 7	23 1	1 7	24 42	1 13	8 23	2 5	19 59	0 42	13 27	1 18	7 56	0 46	10 37	1 50	21 35	12 35	23 19	23 15	22 35	11 16	6 33
W30	21 s40	24 s15	0 s48	$23\mathrm{s}20$	1s13	24 s43	1s15	8n13	2n 6	19s56	0 s42	13n27	1n18	7n56	0n46	10n37	1 s50	21n36	12n36	23 s20	23 s15	22n34	11s16	6n33

Julian Day Number = 2346659.5, Delta T = 11.06 sec Ecliptic obliquity = $23^{\circ}28'37$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}43'53$, Lahiri = $19^{\circ}50'54$ Greg. Calendar

DECEMBER 1712 00:00 UT

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F 2	4 43 38	10° 0'30	27°21	14° 9	3°58	14°59	4°32	27°55	11°39	2824	4°24	6 ට 19	7°30	12° 6	10°49	F 2
S 3	4 47 34	11° 1'28	11≈52	15°43	5°13	15°26	4°43	27°56	11°39	2°23	4°24	6°21	7°27	12°12	10°52	S 3
S 4	4 51 31	12° 2'26	26° 4	17°17	6°27	15°54	4°54	27°56	11°40	2°22	4°25	6°22	7°24	12°19	10°55	S 4
M 5	4 55 27	13° 3'25	9) 55	18°51	7°42	16°21	5° 5	27°57	11°41	2°20	4°25	6°R23	7°21	12°26	10°57	M 5
T 6	4 59 24	14° 4'25	23°25	20°25	8°57	16°48	5°17	27°57	11°42	2°19	4°R25	6°23	7°18	12°32	11° 0	T 6
W 7	5 3 20	15° 5'25	6 Ƴ 37	21°59	10°11	17°14	5°28	27°57	11°42	2°18	4°25	6°21	7°15	12°39	11° 3	W 7
T 8	5 7 17	16° 6'25	19°31	23°34	11°26	17°41	5°40	27°57	11°43	2°17	4°25	6°19	7°11	12°46	11° 7	T 8
F 9	5 11 13	17° 7'26	2810	25° 8	12°41	18° 7	5°51	27°R57	11°43	2°16	4°25	6°16	7° 8	12°52	11°10	F 9
S 10	5 15 10	18° 8'28	14°36	26°42	13°55	18°33	6° 3	27°57	11°44	2°15	4°24	6°13	7° 5	12°59	11°13	S 10
S 11	5 19 7	19° 9'31	26°51	28°17	15°10	18°58	6°15	27°57	11°44	2°14	4°24	6°10	7° 2	13° 5	11°16	S 11
M12	5 23 3	20°10'34	8耳57	29°51	16°24	19°24	6°27	27°57	11°44	2°13	4°24	6° 8	6°59	13°12	11°19	M12
T 13	5 27 0	21°11'37	20°55	1 る 25	17°39	19°49	6°39	27°56	11°45	2°12	4°24	6° 7	6°55	13°19	11°23	T 13
W14	5 30 56	22°12'42	29547	3° 0	18°53	20°14	6°51	27°56	11°45	2°11	4°24	6°D 6	6°52	13°25	11°26	W14
T 15	5 34 53	23°13'47	14°36	4°34	20° 8	20°38	7° 3	27°55	11°45	2°10	4°23	6° 6	6°49	13°32	11°29	T 15
F 16	5 38 49	24°14'52	26°23	6° 9	21°22	21° 3	7°15	27°54	11°45	2° 9	4°23	6° 7	6°46	13°39	11°33	F 16
S 17	5 42 46	25°15'59	8 \Omega 12	7°43	22°37	21°27	7°28	27°53	11°R45	2° 8	4°23	6° 8	6°43	13°45	11°36	S 17
S 18	5 46 42	26°17'05	20° 5	9°17	23°51	21°51	7°40	27°52	11°45	2° 7	4°22	6° 9	6°40	13°52	11°40	S 18
M19	5 50 39	27°18'13	2 MD 6	10°51	25° 6	22°14	7°53	27°51	11°45	2° 6	4°22	6°10	6°36	13°59	11°43	M19
T 20	5 54 36	28°19'21	14°20	12°24	26°20	22°37	8° 5	27°50	11°45	2° 6	4°22	6°11	6°33	14° 5	11°47	T 20
W21	5 58 32	2 <u>9</u> °20'30	26°51	13°57	27°35	23° 0	8°18	27°49	11°45	2° 5	4°21	6°R11	6°30	14°12	11°51	W21
T 22	6 2 29	0 ට 21'39	9 ≏ 43	15°30	28°49	23°23	8°31	27°47	11°44	2° 4	4°21	6°11	6°27	14°19	11°54	T 22
F 23	6 6 25	1°22'49	23° 0	17° 2	0≈ 3	23°45	8°43	27°46	11°44	2° 3	4°20	6°11	6°24	14°25	11°58	F 23
S 24	6 10 22	2°24'00	6 M .44	18°33	1°18	24° 7	8°56	27°44	11°44	2° 3	4°20	6°10	6°21	14°32	12° 2	S 24
S 25	6 14 18	3°25'11	20°55	20° 3	2°32	24°28	9° 9	27°42	11°43	2° 2	4°19	6°10	6°17	14°39	12° 6	S 25
M26	6 18 15	4°26'22	5 ₹ 31	21°31	3°46	24°49	9°22	27°41	11°43	2° 2	4°19	6°10	6°14	14°45	12°10	M26
T 27	6 22 11	5°27'34	20°28	22°58	5° 1	25°10	9°35	27°39	11°42	2° 1	4°18	6° 9	6°11	14°52	12°13	T 27
W28	6 26 8	6°28'46	5 云 38	24°23	6°15	25°31	9°48	27°37	11°42	2° 0	4°17	6° 9	6° 8	14°58	12°17	W28
T 29	6 30 5	7°29'59	20°52	25°46	7°29	25°51	10° 2	27°34	11°41	2° 0	4°17	6° 9	6° 5	15° 5	12°21	T 29
F 30	6 34 1	8°31'11	5 ≈ 59	27° 6	8°43	26°10	10°15	27°32	11°40	1°59	4°16	6° 9	6° 1	15°12	12°25	F 30
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	23 24 23 22 23 19 23 16	23 55 2 42 24 34 1 26 23 24 0 3 20 31 1n21 16 15 2 39	-	52 20 45 1 46 47 20 27 1 46 40 20 8 1 46 33 19 49 1 46	3 59 2 41	18 37 0 43 18 34 0 43 18 30 0 43 18 27 0 43 18 23 0 43	13 37 1 24 13 38 1 24 13 39 1 25 13 40 1 25	7 54 0 47 7 55 0 47 7 55 0 47 7 55 0 47 7 55 0 47 7 56 0 47 7n56 0n47	10 29 1 49 10 29 1 49 10 29 1 49 10 29 1 49 10 29 1 49	21 49 12 48 21 50 12 48	23 20 23 20 23 20 23 20 23 20 23 20 23 20 23 20 23 20 23 20	21 54 21 52 21 51 21 49 21 48	11 2 6 24 11 1 6 23 11 0 6 23 10 59 6 23 10 58 6 23

Julian Day Number = 2346689.5, Delta T = 11.05 sec Ecliptic obliquity = 23°28'37, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}43'58$, Lahiri = $19^{\circ}50'58$ Greg. Calendar