

Astrodienst Ephemeris Tables for the year 1668

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 1668 GC 00:00 UT

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M 2	6 45 25	11°29'34	10Ω 4	10 궁 44	20°57	19°56	25°52	1°35	25°47	23°38	28∏24	7∏39	6°13	14°28	27°17	M 2
T 3	6 49 22	12°30'43	22°30	9°23	22°12	20°26	25°55	1°42	25°49	23°40	28°23	7°32	6° 9	14°35	27°20	T 3
W 4	6 53 18	13°31'51	5 m) 7	8° 6	23°27	20°56	25°58	1°49	25°52	23°42	28°22	7°27	6° 6	14°41	27°23	W 4
T 5	6 57 15	14°33'00	17°58	6°53	24°43	21°26	26° 1	1°56	25°55	23°44	28°21	7°22	6° 3	14°48	27°27	T 5
F 6	7 1 1 1	15°34'08	1 ♀ 4	5°47	25°58	21°56	26° 4	2° 3	25°58	23°47	28°20	7°19	6° 0	14°55	27°30	F 6
S 7	7 5 8	16°35'17	14°28	4°50	27°13	22°25	26° 7	2°10	26° 1	23°49	28°19	7°D18	5°57	15° 1	27°33	S 7
S 8	7 9 4	17°36'26	28°10	4° 1	28°29	22°55	26°11	2°17	26° 4	23°51	28°17	7°18	5°54	15° 8	27°37	S 8
M 9	7 13 1	18°37'34	12 M .13	3°23	29°44	23°24	26°15	2°24	26° 6	23°54	28°16	7°20	5°50	15°15	27°40	M 9
T 10	7 16 58	19°38'42	26°36	2°53	0≈59	23°53	26°19	2°31	26° 9	23°56	28°15	7°21	5°47	15°21	27°43	T 10
W11	7 20 54	20°39'51	11 × 16	2°34	2°15	24°22	26°23	2°38	26°12	23°58	28°14	7°R21	5°44	15°28	27°47	W11
T 12	7 24 51	21°40'59	26°10	2°24	3°30	24°51	26°27	2°45	26°15	24° 0	28°13	7°20	5°41	15°35	27°50	T 12
F 13	7 28 47	22°42'07	11 궁 10	2°D22	4°45	25°19	26°32	2°52	26°18	24° 3	28°12	7°16	5°38	15°41	27°54	F 13
S 14	7 32 44	23°43'14	26° 7	2°29	6° 1	25°47	26°36	2°59	26°21	24° 5	28°11	7°10	5°35	15°48	27°57	S 14
S 15	7 36 40	24°44'20	10≈53	2°43	7°16	26°16	26°41	3° 6	26°24	24° 7	28°10	7° 3	5°31	15°54	28° 1	S 15
M16	7 40 37	25°45'26	25°20	3° 4	8°31	26°44	26°46	3°13	26°27	24° 9	28° 9	6°55	5°28	16° 1	28° 4	M16
T 17	7 44 33	26°46'31	9 ∺ 21	3°32	9°46	27°11	26°52	3°21	26°31	24°12	28° 8	6°47	5°25	16° 8	28° 8	T 17
W18	7 48 30	27°47'34	22°55	4° 5	11° 2	27°39	26°57	3°28	26°34	24°14	28° 7	6°40	5°22	16°14	28°12	W18
T 19	7 52 27	28°48'37	6 Υ 0	4°44	12°17	28° 6	27° 3	3°35	26°37	24°16	28° 6	6°35	5°19	16°21	28°15	T 19
F 20	7 56 23	29°49'39	18°41	5°27	13°32	28°34	27° 9	3°42	26°40	24°19	28° 5	6°32	5°15	16°28	28°19	F 20
S 21	8 0 20	0≈50'40	18 0	6°14	14°47	29° 1	27°15	3°49	26°43	24°21	28° 4	6°D32	5°12	16°34	28°23	S 21
S 22	8 4 16	1°51'39	13° 4	7° 6	16° 2	29°27	27°21	3°56	26°46	24°23	28° 3	6°32	5° 9	16°41	28°26	S 22
M23	8 8 13	2°52'38	24°56	8° 1	17°17	29°54	27°27	4° 3	26°50	24°25	28° 2	6°33	5° 6	16°48	28°30	M23
T 24	8 12 9	3°53'35	6 Ⅱ 43	8°59	18°32	0 M .20	27°34	4°11	26°53	24°28	28° 1	6°R34	5° 3	16°54	28°34	T 24
W25	8 16 6	4°54'31	18°30	10° 0	19°48	0°46	27°40	4°18	26°56	24°30	28° 0	6°33	5° 0	17° 1	28°38	W25
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F 27	8 23 59	6°56'20	12°18	12° 9	22°18	1°38	27°54	4°32	27° 3	24°34	27°58	6°24	4°53	17°14	28°45	F 27
S 28	8 27 56	7°57'12	24°25	13°17	23°33	2° 3	28° 1	4°39	27° 6	24°37	27°57	6°16	4°50	17°21	28°49	S 28
S 29	8 31 52	8°58'04	6 Ω 45	14°28	24°48	2°28	28° 8	4°46	27° 9	24°39	27°56	6° 5	4°47	17°28	28°53	S 29
M30	8 35 49	9°58'54	19°16	15°40	26° 3	2°53	28°16	4°53	27°13	24°41	27°55	5°54	4°44	17°34	28°57	M30
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Julian Day Number = 2330284.5, Delta T = 31.03 sec Ecliptic obliquity = $23^{\circ}29'00$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}06'22$, Lahiri = $19^{\circ}13'22$ Greg. Calendar

FEBRUARY 1668 GC 00:00 UT

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T 7	9 7 21	18° 4'57	6 ₮ 37	26°11	6° 2	6° 2	29°21	5°50	27°40	24°58	27°49	5°R 8	4°18	18°27	29°29	T 7
W 8	9 11 18	19° 5'38	20°55	27°35	7°17	6°25	29°29	5°57	27°43	25° 1	27°48	5° 7	4°15	18°34	29°33	W 8
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M13	931 0	24° 8'43	3) 16	4°54	13°30	8°11	0°15	6°32	28° 0	25°11	27°45	4°26	3°59	19° 7	29°53	M13
T 14	9 34 57	25° 9'15	17°12	6°24	14°45	8°32	0°25	6°39	28° 4	25°13	27°44	4°14	3°56	19°14	29°57	T 14
W15	9 38 54	26° 9'46	0 Υ 44	7°56	16° 0	8°52	0°34	6°46	28° 7	25°15	27°44	4° 3	3°53	19°21	0 ∀ 1	W15
T 16	9 42 50	27°10'15	13°51	9°29	17°14	9°11	0°44	6°53	28°11	25°17	27°43	3°54	3°50	19°27	0° 5	T 16
F 17	9 46 47	28°10'42	26°34	11° 2	18°29	9°30	0°54	7° 0	28°14	25°19	27°43	3°48	3°46	19°34	0° 9	F 17
S 18	9 50 43	29°11'07	8 8 56	12°37	19°43	9°49	1° 4	7° 7	28°18	25°21	27°42	3°45	3°43	19°41	0°13	S 18
S 19	9 54 40	0) 11'31	21° 2	14°12	20°58	10°8	1°14	7°13	28°21	25°23	27°42	3°44	3°40	19°47	0°17	S 19
M20	9 58 36	1°11'52	2∏56	15°49	22°12	10°26	1°24	7°20	28°24	25°25	27°41	3°44	3°37	19°54	0°22	M20
T 21	10 2 33	2°12'12	14°44	17°26	23°27	10°43	1°35	7°27	28°28	25°27	27°41	3°43	3°34	20° 0	0°26	T 21
W22	10 6 29	3°12'29	26°32	19° 5	24°41	11° 0	1°45	7°34	28°31	25°29	27°40	3°42	3°31	20° 7	0°30	W22
T 23	10 10 26	4°12'45	8925	20°44	25°56	11°17	1°56	7°40	28°35	25°31	27°40	3°38	3°27	20°14	0°34	T 23
F 24	10 14 23	5°12'58	20°27	22°24	27°10	11°33	2° 6	7°47	28°38	25°33	27°40	3°32	3°24	20°20	0°38	F 24
S 25	10 18 19	6°13'10	2 Ω 42	24° 6	28°24	11°49	2°17	7°53	28°42	25°34	27°39	3°23	3°21	20°27	0°42	S 25
S 26	10 22 16	7°13'19	15°13	25°48	29°38	12° 4	2°28	8° 0	28°45	25°36	27°39	3°12	3°18	20°34	0°46	S 26
M27	10 26 12	8°13'27	28° 1	27°32	0 Υ 53	12°19	2°39	8° 7	28°49	25°38	27°39	2°59	3°15	20°40	0°50	M27
T 28	10 30 9	9°13'33	11 m 5	29°17	2° 7	12°34	2°50	8°13	28°52	25°40	27°38	2°45	3°12	20°47	0°54	T 28
W29	10 34 5	10) 13'37	24 Mp 24	1) 2	3 Υ21	12 M 48	3 8 1	8≈19	28≈55	25 궁 42	27 Ⅲ 38	2∏32	3 II 8	20∏54	0 ∺ 58	W29

Day	0	D		ţ		ç)	ď	7	2	4	ħ	l)	ţ(,	(В)	n	S	ţ	Ł	i
	decl	decl lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17 s13	10n32 41	n59 22	2 s23	0s 8	13 s25	1 s31	10 s56	1n58			19s33	0 s32	13 s 6	0 s43	20 s48	0n25	18n13	5 s 1 5	21n16	21n 6	24n 6	6 s 3 8	5n31
T 2	16 56	5 2 4	39 22	2 20	0 16	12 59	1 31	11 4	1 58	10 0	1 5	19 31	0 32	13 5	0 43	20 48	0 25	18 13	5 15	21 14	21 6	24 7	6 37	5 31
F 3	16 39	0 s 4 5	5 22	2 17	0 24	12 32	1 30	11 11	1 58	10 3	1 4	19 29	0 32	13 3	0 43	20 47	0 25	18 13	5 15	21 13	21 5	24 8	6 36	5 31
S 4	16 21	6 36 3	17 22	2 12	0 32	12 5	1 30	11 19	1 58	10 7	1 4	19 28	0 33	13 2	0 43	20 47	0 25	18 13	5 15	21 12	21 4	24 10	6 34	5 31
S 5		-	16 22	-	-	11 37		11 27		10 10		19 26	0 33	-		20 47		18 13		21 12		24 11	6 33	5 31
	15 45		7 2			11 9				10 13		19 24	0 33	13 0	0 43	20 46	0 25	18 13		21 12		24 13	6 32	5 31
T 7	15 26		s 8 2	-	0 54	10 41	-	11 41		10 16	_	19 23	0 33	12 59	0 43	20 46	0 25	18 14		21 12	_	24 14	6 31	5 31
W 8	15 8	24 33 1	23 2	1 41	1 1	10 13	1 28	11 49		10 20	_	19 21	0 33	12 57		20 45	0 25	18 14	5 14	21 12		24 16	6 29	5 30
T 9	14 48	25 55 2	33 2	1 30	1 8	9 44	1 27	11 56	1 59	10 23			0 33	12 56	0 43	20 45	0 25	18 14	5 14	21 11	21	24 17	6 28	5 30
F 10	14 29	25 31 3	34 2	1 18	1 14	9 15				10 26			0 33	12 55	0 43	20 45				21 10		24 19	6 27	5 30
S 11	14 10	23 22 4	20 2	1 4	1 20	8 46	1 25	12 9	1 59	10 30	1 3	19 16	0 33	12 54	0 43	20 44	0 25	18 14	5 14	21 8	21 (24 20	6 25	5 30
S 12	13 50	19 44 4	50 20	0 49	1 26	8 16	1 24	12 16		10 33		19 14		12 53		20 44	0 25	18 14			21 (24 21	6 24	5 30
M13	13 30				1 31	7 47		12 23		10 37		19 13		12 52		20 44	0 25	-	5 14			24 23	6 23	5 30
T 14	13 10		53 20		1 36	7 17				10 40		19 11		12 50		20 43		18 15	5 13			24 24	6 21	5 30
W15	12 49		29 19		1 41	6 47				10 44				12 49		20 43	0 25					24 26	6 20	5 30
T 16	12 29	1n55 3	52 19	9 36	1 45	6 17	1 20	12 41	2 0	10 48	1 1	19 8	0 34	12 48	0 43	20 42	0 25	18 15	5 13	20 58	20 57	24 27	6 19	5 30
F 17	12 8	7 25 3	-	9 14	1 49	5 46				10 51	1 1			12 47		20 42	0 25					24 28	6 17	5 30
S 18	11 47	12 29 2	7 18	8 51	1 53	5 16	1 18	12 53	2 0	10 55	1 1	19 4	0 34	12 46	0 43	20 42	0 25	18 15	5 13	20 56	20 56	24 30	6 16	5 30
	11 26		7 18		1 56	4 45		12 59		10 59		19 3		12 44		20 41						24 31	6 15	5 30
M20			4 18	-	1 59	4 15	-			11 2		19 1		12 43		20 41	0 25					24 32	6 13	5 30
T 21			n58 17		2 2	3 44	-			11 6	-			12 42		20 41		18 16				24 34	6 12	5 29
W22		-	58 17	, -	2 4	3 13				11 10				12 41		20 40	0 25					24 35	6 11	5 29
T 23	9 59		53 10		2 6	2 42	-	13 21		11 14		18 56		12 40		20 40						24 36	6 9	5 29
F 24	9 37		40 10		2 7	2 11	-	13 26		11 18		18 55	0 34	12 38		20 40						24 38	6 8	5 29
S 25	9 15	23 47 4	19 1:	5 32	2 8	1 39	1 7	13 30	2 0	11 22	0 59	18 53	0 34	12 37	0 43	20 39	0 25	18 16	5 12	20 52	20 52	24 39	6 6	5 29
S 26	8 52	20 51 4	46 14	4 57	2 9	1 8	-	13 35		11 26	0 59	18 51	0 34	12 36	0 43	20 39	0 25	18 16	5 11	20 50	20 51	24 40	6 5	5 29
M27	8 30	16 51 4	59 14	4 22	2 9	0 37	1 3	13 40	2 0	11 30	0 59	18 50	0 35	12 35	0 43	20 39	0 25	18 17	5 11	20 48	20 5	24 42	6 4	5 29
T 28	8 8	12 0 4	57 13	3 45	2 9	0 6	1 1	13 44	2 0	11 34	0 59	18 48	0 35	12 34	0 43	20 38	0 25	18 17	5 11	20 45	20 50	24 43	6 2	5 29
W29	7 s45	6n30 41	n39 13	3 s 7	2 s 8	0n26	0s59	13 s49	1n59	11n38	0 s59	18 s47	0 s 3 5	12 s32	0 s43	20 s38	0n25	18n17	5 s 1 1	20n42	20n49	24n44	6s 1	5n29

Julian Day Number = 2330315.5, Delta T = 30.98 sec Ecliptic obliquity = 23°29'01, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°06'26, Lahiri = 19°13'27Greg. Calendar

MARCH 1668 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ)ф(并	В	S.	u	Ç	ķ0	Day
T 1	10 38 2	11) 13'38	7 ≏ 56	2) (49	4 Υ35	13 M 1	3 8 13	8≈26	28≈59	25 ~ 3	27°R38	2°R22	3 I 5	21 I I 0	1) 2	T 1
F 2	10 41 58	12°13'39	21°38	4°37	5°49	13°14	3°24	8°32	29° 2	25°45	27 II 38	2 Ⅱ 14	3° 2	21° 7	1° 6	F 2
S 3	10 45 55	13°13'37	5 M 27	6°26	7° 3	13°26	3°35	8°39	29° 6	25°47	27°37	2° 9	2°59	21°14	1°10	S 3
S 4	10 49 52	14°13'34	19°23	8°16	8°17	13°38	3°47	8°45	29° 9	25°48	27°37	2° 7	2°56	21°20	1°14	S 4
M 5	10 53 48	15°13'30	3 ∡ 123	10° 7	9°31	13°50	3°59	8°51	29°12	25°50	27°37	2°D 6	2°52	21°27	1°18	M 5
T 6	10 57 45	16°13'23	17°27	12° 0	10°45	14° 0	4°10	8°57	29°16	25°52	27°37	2°R 6	2°49	21°34	1°22	T 6
W 7	11 141	17°13'16	1 る 35	13°53	11°59	14°11	4°22	9° 3	29°19	25°53	27°37	2° 6	2°46	21°40	1°26	W 7
T 8	11 5 38	18°13'06	15°44	15°48	13°13	14°20	4°34	9°10	29°22	25°55	27°37	2° 3	2°43	21°47	1°30	T 8
F 9	11 9 34	19°12'55	29°54	17°43	14°26	14°29	4°46	9°16	29°26	25°56	27°37	1°58	2°40	21°54	1°34	F 9
S 10	11 13 31	20°12'42	14≈ 2	19°40	15°40	14°38	4°58	9°22	29°29	25°58	27°37	1°50	2°37	22° 0	1°38	S 10
S 11	11 17 27	21°12'27	28° 3	21°38	16°54	14°45	5°10	9°28	29°32	25°59	27°D37	1°40	2°33	22° 7	1°42	S 11
M12	11 21 24	22°12'11	11 米 53	23°36	18° 7	14°53	5°22	9°33	29°35	26° 1	27°37	1°28	2°30	22°14	1°45	M12
T 13	11 25 21	23°11'52	25°28	25°35	19°21	14°59	5°35	9°39	29°39	26° 2	27°37	1°17	2°27	22°20	1°49	T 13
W14	11 29 17	24°11'31	8 Υ 46	27°35	20°35	15° 5	5°47	9°45	29°42	26° 4	27°37	1° 6	2°24	22°27	1°53	W14
T 15	11 33 14	25°11'08	21°44	29°36	21°48	15°10	6° 0	9°51	29°45	26° 5	27°37	0°58	2°21	22°33	1°57	T 15
F 16	11 37 10	26°10'43	4822	1 Y 36	23° 2	15°15	6°12	9°57	29°48	26° 7	27°37	0°52	2°18	22°40	2° 1	F 16
S 17	11 41 7	27°10'16	16°42	3°37	24°15	15°18	6°25	10° 2	29°52	26° 8	27°37	0°49	2°14	22°47	2° 5	S 17
S 18	11 45 3	28° 9'46	28°48	5°38	25°28	15°22	6°37	10° 8	29°55	26° 9	27°37	0°D48	2°11	22°53	2° 8	S 18
M19	11 49 0	29° 9'15	10 Ⅱ 43	7°39	26°42	15°24	6°50	10°13	29°58	26°10	27°37	0°48	2° 8	23° 0	2°12	M19
T 20	11 52 56	0 Υ 8'41	22°32	9°38	27°55	15°26	7° 3	10°19	0 ∀ 1	26°12	27°38	0°49	2° 5	23° 7	2°16	T 20
W21	11 56 53	1° 8'05	49521	11°37	29° 8	15°27	7°16	10°24	0° 4	26°13	27°38	0°R49	2° 2	23°13	2°19	W21
T 22	12 0 50	2° 7'26	16°15	13°35	0821	15°R27	7°28	10°29	0° 7	26°14	27°38	0°48	1°58	23°20	2°23	T 22
F 23	12 4 46	3° 6'45	28°20	15°31	1°34	15°27	7°41	10°35	0°10	26°15	27°38	0°44	1°55	23°27	2°27	F 23
S 24	12 8 43	4° 6'02	10 Ω 39	17°25	2°47	15°26	7°54	10°40	0°13	26°16	27°39	0°39	1°52	23°33	2°30	S 24
S 25	12 12 39	5° 5'17	23°16	19°16	4° 0	15°24	8° 7	10°45	0°16	26°18	27°39	0°31	1°49	23°40	2°34	S 25
M26	12 16 36	6° 4'29	6 m 14	21° 4	5°13	15°21	8°21	10°50	0°19	26°19	27°39	0°22	1°46	23°47	2°37	M26
T 27	12 20 32	7° 3'39	19°33	22°50	6°26	15°18	8°34	10°55	0°22	26°20	27°40	0°13	1°43	23°53	2°41	T 27
W28	12 24 29	8° 2'47	3 ≏ 11	24°31	7°39	15°13	8°47	11° 0	0°25	26°21	27°40	0° 4	1°39	24° 0	2°44	W28
T 29	12 28 25	9° 1'52	17° 7	26° 8	8°52	15° 9	9° 0	11° 5	0°28	26°22	27°40	29 8 57	1°36	24° 7	2°48	T 29
F 30	12 32 22	10° 0'56	1 M .15	27°41	10° 5	15° 3	9°13	11°10	0°31	26°23	27°41	29°51	1°33	24°13	2°51	F 30
S 31	12 36 18	10 Y 59'58	15 M 31	29 Υ 10	11 8 17	14 M 56	9 8 27	11≈15	0 ∺ 34	26 궁 24	27 Ⅱ 41	29 8 48	1 Ⅱ 30	24 Ⅱ 20	2 米 55	S 31

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	decl	decl lat	decl lat	t decl l	at decl	lat	decl	lat	decl	lat	decl	lat	decl l	at	decl	lat	decl	decl	decl	decl	lat
T 1	7 s22	0n36 4n 5	12 s27 2	2 s 7 0n57	0 s 5 7 1 3 s 5 3	1n59	11n42	0 s58	18 s45	0s35	12 s31	0 s43	20 s38	0n25	18n17	5 s 1 1	20n40	20n49	24n46	5 s 5 9	5n29
F 2	6 59	5 s 2 4 3 1 7	-		0 55 13 57		11 46	0 58			12 30		20 37	0 25	18 17	-		20 48		5 58	5 29
S 3	6 36	11 14 2 16	11 4 2	2 3 2 0	0 53 14 1	1 59	11 50	0 58	18 42	0 35	12 29	0 43	20 37	0 25	18 17	5 10	20 38	20 48	24 48	5 57	5 29
S 4	-	16 32 1 7	10 21 2	-	0 51 14 4		11 54		18 40	0 35	12 28	0 43	20 37	0 25	18 17				24 50	5 55	5 29
M 5	5 50	20 59 0s 7	9 36 1	1 57 3 2	0 49 14 8	1 59	11 58	0 58	18 39		12 26		20 36	0 25	18 18	5 10	20 37	20 46	24 51	5 54	5 29
T 6	-	24 14 1 20			0 46 14 11		12 2	0 57			12 25		20 36	0 25	18 18			20 46	-	5 52	5 29
W 7		25 58 2 29	-	1 49 4 4	0 44 14 15		12 6	0 57			12 24		20 36	-	18 18				24 53	5 51	5 29
T 8	-			1 45 4 35	0 42 14 18		12 10	0 57			12 23		20 36		18 18			-	24 55	5 50	5 30
F 9		24 23 4 16			0 39 14 21		12 15	0 57			12 22		20 35		18 18				24 56	5 48	5 30
S 10	3 53	21 14 4 48	5 32 1	1 33 5 37	0 37 14 23	1 57	12 19	0 57	18 31	0 36	12 21	0 43	20 35	0 25	18 19	5 9	20 34	20 43	24 57	5 47	5 30
S 11	3 30	16 53 5 1	4 40 1	1 27 6 7	0 34 14 26	1 57	12 23	0 56	18 30	0 36	12 20	0 43	20 35	0 25	18 19	5 9	20 32	20 43	24 58	5 45	5 30
M12	3 6	11 41 4 57	3 46 1	1 20 6 38	0 32 14 28	1 56	12 27	0 56	18 28	0 36	12 18	0 43	20 34	0 25	18 19	5 9	20 30	20 42	25 0	5 44	5 30
T 13	2 42	6 1 4 36	2 52 1	1 13 7 8	0 29 14 31	1 56	12 31	0 56	18 27	0 36	12 17	0 43	20 34	0 25	18 19	5 9	20 27	20 41	25 1	5 42	5 30
W14	2 19	0 12 4 0	1 57 1	1 5 7 39	0 26 14 33	1 56	12 36	0 56	18 25	0 36	12 16	0 43	20 34	0 25	18 19	5 9	20 25	20 41	25 2	5 41	5 30
T 15	1 55	5n31 3 12	1 1 0	0 56 8 9	0 24 14 35	1 55	12 40	0 56	18 24	0 36	12 15	0 43	20 34	0 25	18 19	5 8	20 23	20 40	25 3	5 40	5 30
F 16	1 31	10 52 2 16			0 21 14 37	1 55		0 56	-		12 14		20 33		18 20			20 39		5 38	5 30
S 17	1 8	15 40 1 15	0n52 0	0 38 9 8	0 18 14 38	1 54	12 49	0 55	18 21	0 37	12 13	0 43	20 33	0 25	18 20	5 8	20 21	20 39	25 6	5 37	5 30
S 18	0 44	19 45 0 11	1 49 0	0 27 9 38	0 16 14 40	1 53	12 53	0 55	18 20	0 37	12 12	0 43	20 33	0 25	18 20	5 8	20 21	20 38	25 7	5 35	5 30
M19	0 20	22 58 0n53	2 47 0	0 17 10 7	0 13 14 41	1 53	12 57	0 55	18 18	0 37	12 11	0 43	20 33	0 25	18 20	5 8	20 21	20 38	25 8	5 34	5 30
T 20	0n 3	25 10 1 54	3 44 0	0 6 10 36	0 10 14 42	1 52	13 1	0 55	18 17	0 37	12 10	0 43	20 32	0 25	18 20	5 8	20 21	20 37	25 9	5 33	5 30
W21	0 27	26 14 2 50	4 41 0	0n 5 11 5	0 7 14 43	1 51	13 6	0 55	18 16	0 37	12 9	0 43	20 32	0 25	18 20			20 36		5 31	5 30
T 22		26 7 3 39	5 38 0	0 17 11 33	0 4 14 44	1 51	13 10		18 14	0 37		0 43	20 32	0 25	18 21			20 36		5 30	5 31
F 23		24 45 4 19		0 28 12 1	0 1 14 45	1 50	-	0 55		0 37			20 32	0 25	18 21			20 35		5 28	5 31
S 24	1 38	22 12 4 48	7 28 0	0 40 12 29	0n 2 14 45	1 49	13 19	0 54	18 12	0 37	12 5	0 43	20 31	0 25	18 21	5 7	20 19	20 34	25 14	5 27	5 31
S 25	2 2	18 33 5 3	8 22 0	0 52 12 57	0 4 14 45	1 48	13 23	0 54	18 10	0 38	12 4	0 43	20 31	0 25	18 21	5 7	20 18	20 34	25 15	5 26	5 31
M26	2 25	13 57 5 4	9 14 1	1 4 13 24	0 7 14 45	1 47	13 28	0 54	18 9	0 38	12 3	0 43	20 31	0 25	18 21	5 7	20 16	20 33	25 16	5 24	5 31
T 27	2 48	8 34 4 49	-	1 16 13 51	0 10 14 45		13 32	0 54		0 38			20 31	-	18 21			20 33		5 23	5 31
W28	3 12	2 39 4 17			0 13 14 45			0 54		0 38			20 31		18 22				25 18	5 22	5 31
T 29	3 35	3 s31 3 29			0 16 14 45	1 44	13 41	0 54		0 38					18 22				25 19	5 20	5 31
F 30	3 58	9 37 2 28	_		0 19 14 44			0 54	-		11 59		20 30		18 22	-		20 31		5 19	5 32
S 31	4n22	15s18 1n16	13n 4 2	2n 0 15n36	0n22 14 s43	1n42	13n49	0 s53	18s 3	0s38	11 s58	0 s43	20 s30	0n25	18n22	5s 6	20n 9	20n30	25n22	5s18	5n32

Julian Day Number = 2330344.5, Delta T = 30.93 sec Ecliptic obliquity = $23^{\circ}29'02$, Nutation = - $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}06'30$, Lahiri = $19^{\circ}13'31Greg$. Calendar

APRIL 1668 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
S 1	12 40 15	11 Y 58'58	29 M 50	0 8 33	12830	14°R49	9 8 40	11≈19	0) €36	26 궁 24	27∏42	29°D48	1 П 27	24∏27	2) 58	S 1
M 2	12 44 12	12°57'57	14 ×7 9	1°51	13°42	14 M .41	9°54	11°24	0°39	26°25	27°42	29848	1°23	24°33	3° 1	M 2
T 3	12 48 8	13°56'53	28°24	3° 4	14°55	14°32	10° 7	11°28	0°42	26°26	27°43	29°49	1°20	24°40	3° 5	T 3
W 4	12 52 5	14°55'48	12 る 34	4°11	16° 7	14°23	10°21	11°33	0°45	26°27	27°43	29°R50	1°17	24°47	3°8	W 4
T 5	12 56 1	15°54'41	26°38	5°12	17°19	14°13	10°34	11°37	0°47	26°28	27°44	29°50	1°14	24°53	3°11	T 5
F 6	12 59 58	16°53'33	10≈33	6° 7	18°32	14° 2	10°48	11°41	0°50	26°28	27°44	29°47	1°11	25° 0	3°14	F 6
S 7	13 3 54	17°52'22	24°19	6°56	19°44	13°50	11° 2	11°46	0°53	26°29	27°45	29°43	1° 8	25° 7	3°18	S 7
S 8	13 7 51	18°51'10	7) €54	7°39	20°56	13°37	11°15	11°50	0°55	26°30	27°46	29°38	1° 4	25°13	3°21	S 8
M 9	13 11 47	19°49'56	21°18	8°16	22° 8	13°24	11°29	11°54	0°58	26°30	27°46	29°31	1° 1	25°20	3°24	M 9
T 10	13 15 44	20°48'40	4 Υ 28	8°46	23°20	13°10	11°43	11°58	1° 0	26°31	27°47	29°24	0°58	25°27	3°27	T 10
W11	13 19 41	21°47'23	17°24	9°11	24°32	12°55	11°57	12° 2	1° 3	26°32	27°48	29°18	0°55	25°33	3°30	W11
T 12	13 23 37	22°46'03	0 8 5	9°29	25°44	12°40	12°10	12° 6	1° 5	26°32	27°48	29°13	0°52	25°40	3°33	T 12
F 13	13 27 34	23°44'41	12°31	9°40	26°56	12°24	12°24	12° 9	1°8	26°33	27°49	29°10	0°49	25°47	3°36	F 13
S 14	13 31 30	24°43'18	24°44	9°R46	28° 8	12° 7	12°38	12°13	1°10	26°33	27°50	29°D 9	0°45	25°53	3°39	S 14
S 15	13 35 27	25°41'52	6∐45	9°45	29°19	11°50	12°52	12°17	1°12	26°34	27°51	29° 9	0°42	26° 0	3°41	S 15
M16	13 39 23	26°40'24	18°39	9°39	0Д31	11°32	13° 6	12°20	1°15	26°34	27°51	29°10	0°39	26° 6	3°44	M16
T 17	13 43 20	27°38'55	0ණ28	9°28	1°43	11°14	13°20	12°23	1°17	26°34	27°52	29°12	0°36	26°13	3°47	T 17
W18	13 47 16	28°37'23	12°17	9°11	2°54	10°55	13°34	12°27	1°19	26°35	27°53	29°14	0°33	26°20	3°50	W18
T 19	13 51 13	29°35'49	24°11	8°49	4° 5	10°36	13°48	12°30	1°21	26°35	27°54	29°R15	0°29	26°26	3°52	T 19
F 20	13 55 10	0 8 34'12	6 Ω 15	8°23	5°17	10°16	14° 2	12°33	1°23	26°35	27°55	29°15	0°26	26°33	3°55	F 20
S 21	13 59 6	1°32'34	18°34	7°54	6°28	9°56	14°16	12°36	1°26	26°36	27°56	29°13	0°23	26°40	3°58	S 21
S 22	14 3 3	2°30'54	1 Mp 11	7°21	7°39	9°35	14°30	12°39	1°28	26°36	27°56	29°11	0°20	26°46	4° 0	S 22
M23	14 6 59	3°29'11	14°11	6°46	8°50	9°15	14°44	12°42	1°30	26°36	27°57	29° 8	0°17	26°53	4° 3	M23
T 24	14 10 56	4°27'26	27°35	6° 8	10° 1	8°53	14°58	12°45	1°32	26°36	27°58	29° 4	0°14	27° 0	4° 5	T 24
W25	14 14 52	5°25'40	11 ≏ 24	5°30	11°12	8°32	15°12	12°48	1°34	26°36	27°59	29° 1	0°10	27° 6	4° 7	W25
T 26	14 18 49	6°23'51	25°34	4°51	12°23	8°10	15°26	12°50	1°36	26°36	28° 0	28°58	0° 7	27°13	4°10	T 26
F 27	14 22 45	7°22'01	10 M 3	4°12	13°33	7°48	15°41	12°53	1°37	26°36	28° 1	28°56	0° 4	27°20	4°12	F 27
S 28	14 26 42	8°20'09	24°43	3°34	14°44	7°27	15°55	12°55	1°39	26°R36	28° 2	28°D55	0° 1	27°26	4°14	S 28
S 29	14 30 39	9°18'15	9 ∡ 129	2°58	15°55	7° 5	16° 9	12°58	1°41	26°36	28° 3	28°55	29858	27°33	4°17	S 29
M30	14 34 35	10816'21	24 × 12	2 8 24	17 II 5	6ML42	16 8 23	13≈ 0	1) (43	26 궁 36	28 I I 4	28 8 56	29 8 55	27 Ⅱ 40	4) (19	M30

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	decl	decl lat	decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	dec	l decl	decl	decl	lat
S 1	4n45	20s 9 0s	0 13n43	2n10 1	6n 1 0n25	14 s42	1n41	13n54	0 s53	18s 2	0 s38	11 s57	0 s43	20s30	0n25	18n22	5s (5 20n	9 20n29	25n23	5s16	5n32
M 2	5 8	23 49 1 1	7 14 19	2 20 1	6 26 0 28	14 41	1 40	13 58	0 53	18 1	0 39	11 56	0 43	20 30	0 25	18 23	5 5	5 20	9 20 29	25 24	5 15	5 32
T 3	5 31	25 57 2 2	8 14 53	2 28 1	6 51 0 31	14 40	1 39	14 2	0 53	17 59	0 39	11 55	0 43	20 30	0 25	18 23	5 :	5 20	9 20 28	25 25	5 14	5 32
W 4	5 54	26 23 3 3	0 15 23	2 36 1	7 15 0 35	14 38	1 37	14 7	0 53	17 58	0 39	11 54	0 43	20 29	0 25	18 23	5 :	5 20	9 20 27	25 26	5 12	5 32
T 5	6 16	25 6 4 1	9 15 50	2 43 1	7 38 0 38		1 36		0 53		0 39	11 54	0 44	20 29	0 25	18 23	5 :	5 20	9 20 27	25 27	5 11	5 33
F 6	6 39	22 19 4 5	-	-			1 34	_		17 56	0 39	11 53		20 29	0 25				9 20 26		5 10	
S 7	7 1	18 17 5	8 16 35	2 54 1	8 24 0 44	14 33	1 33	14 20	0 53	17 55	0 39	11 52	0 44	20 29	0 25	18 23	5 :	5 20	8 20 25	25 29	5 8	5 33
S 8	7 24	13 21 5	6 16 53	2 58 1	8 46 0 47	14 30	1 31	14 24	0 52	17 54	0 39	11 51	0 44	20 29	0 25	18 24	5 4	4 20	6 20 25	25 30	5 7	5 33
M 9	7 46	7 51 4 4	8 17 8	3 1 1	9 8 0 50	14 28		14 29		17 53	0 39	11 50	0 44	20 29	0 25	18 24			5 20 24		5 6	5 33
T 10	8 8	2 6 4 1		-		14 25		14 33		17 52		11 49	-	20 29	0 25				4 20 23		5 5	
W11	8 30	3n39 3 2				14 23		14 37		17 51		11 48		20 29	0 25					25 33	5 3	
T 12	8 52		2 17 33			14 20				17 50		11 47	-	20 28	0 25	-		4 20		25 34	5 2	
F 13	-	14 12 1 3			0 30 1 1	1. 1,		14 46	0 52			11 47		20 28	0 25					25 35	5 1	5 34
S 14	9 36	18 36 0 2	4 17 33	2 56 2	0 50 1 4	14 13	1 21	14 50	0 52	17 48	0 40	11 46	0 44	20 28	0 25	18 25	5	3 20	0 20 21	25 37	5 0	5 34
S 15			2 17 28			14 10		14 55		17 48		11 45		20 28	0 25					25 38	4 58	5 34
M16		24 44 1 4		-				14 59	0 51			11 44		20 28	0 25					25 39	4 57	5 35
T 17	10 39					14 3				17 46		11 43		20 28	0 25	18 25				25 40	4 56	
W18	-		5 16 55			13 59		15 7		17 45		11 43	-	20 28	0 25				1 20 18		4 55	
	11 21		7 16 38			13 55		15 12		17 44		11 42		20 28	0 25	18 25			2 20 17		4 54	
F 20			9 16 19		2 33 1 21			15 16		17 44		11 41		20 28	0 25	18 26				25 42	4 53	5 35
S 21	12 2	20 10 5	9 15 57	1 53 2	2 49 1 24	13 47	1 6	15 20	0 51	17 43	0 41	11 40	0 44	20 28	0 25	18 26	5 2	2 20	1 20 16	25 43	4 51	5 36
S 22	12 22		4 15 33	1 39 2	3 3 1 27	13 42		15 25	0 51	17 42	0 41	11 40	0 44	20 28	0 25					25 44	4 50	
M23			3 15 7					-		17 41		11 39	0 44	20 28		-				25 45	4 49	5 36
T 24	13 2	5 11 4 3	6 14 40	-	3 31 1 32	13 34		15 33	0 51			11 38	-	20 28	0 25	18 26				25 46	4 48	5 36
W25	13 21	0s57 3 5				13 29		15 37	0 51			11 38	-	20 28	0 25				9 20 13		4 47	5 37
T 26	13 41		4 13 43			13 24		15 41	0 51			11 37		20 28	0 25				8 20 13		4 46	5 37
F 27	14 0	13 14 1 4	_			-		15 46		17 39		11 36		20 28	0 25					25 49	4 45	5 37
S 28	14 19	18 37 0 2	3 12 45	0 1 2	4 18 1 42	13 15	0 49	15 50	0 50	17 38	0 42	11 36	0 44	20 28	0 25	18 27	5	1 19 5	7 20 11	25 50	4 44	5 37
S 29	14 37	22 52 0s5	8 12 16	0s16 2	4 28 1 45	13 10	0 46	15 54	0 50	17 38	0 42	11 35	0 44	20 28	0 25	18 27	5	1 19 5	7 20 11	25 51	4 43	5 38
M30	14n56	25 s36 2 s1	5 11n48	0 s 3 3 2	4n38 1n47	13 s 6	0n44	15n58	0 s 5 0	17s37	0 s42	11 s34	0 s44	20 s28	0n25	18n27	5 s	1 19n5	8 20n10	25n52	4 s42	5n38

Julian Day Number = 2330375.5, Delta T = 30.87 sec Ecliptic obliquity = 23°29'02, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°06'35, Lahiri = 19°13'35Greg. Calendar

MAY 1668 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	ß	Ω	ţ	ę,	Day
T 1	14 38 32	11814'24	8 국 49	1°R52	18 Ⅱ 15	6°R20	16 8 37	13≈ 2	1) (45	26°R36	28耳 5	28 8 57	29 8 51	27 Ⅱ 46	4) (21	T 1
W 2	14 42 28	12°12'26	23°13	1824	19°26	5 M .58	16°51	13° 4	1°46	26 궁 36	28° 6	28°58	29°48	27°53	4°23	W 2
T 3	14 46 25	13°10'27	7≈22	0°59	20°36	5°36	17° 6	13° 6	1°48	26°36	28° 7	28°R59	29°45	28° 0	4°25	T 3
F 4	14 50 21	14° 8'27	21°15	0°38	21°46	5°15	17°20	13° 8	1°49	26°36	28° 8	28°59	29°42	28° 6	4°27	F 4
S 5	14 54 18	15° 6'25	4) €50	0°22	22°56	4°53	17°34	13°10	1°51	26°36	28°10	28°58	29°39	28°13	4°29	S 5
S 6	14 58 14	16° 4'22	18° 9	0° 9	24° 6	4°32	17°48	13°11	1°52	26°35	28°11	28°57	29°35	28°20	4°31	S 6
M 7	15 2 11	17° 2'17	1 Y 11	0° 1	25°16	4°10	18° 2	13°13	1°54	26°35	28°12	28°56	29°32	28°26	4°32	M 7
T 8	15 6 8	18° 0'11	14° 0	29°D58	26°25	3°50	18°17	13°15	1°55	26°35	28°13	28°54	29°29	28°33	4°34	T 8
W 9	15 10 4	18°58'04	26°34	29 Y 59	27°35	3°29	18°31	13°16	1°57	26°34	28°14	28°53	29°26	28°40	4°36	W 9
T 10	15 14 1	19°55'55	8 8 57	0 8 5	28°44	3° 9	18°45	13°17	1°58	26°34	28°15	28°52	29°23	28°46	4°38	T 10
F 11	15 17 57	20°53'45	21° 9	0°16	29°54	2°49	18°59	13°18	1°59	26°34	28°17	28°51	29°20	28°53	4°39	F 11
S 12	15 21 54	21°51'34	3 Ⅱ 11	0°31	195 3	2°30	19°13	13°20	2° 0	26°33	28°18	28°D51	29°16	29° 0	4°41	S 12
S 13	15 25 50	22°49'21	15° 7	0°50	2°12	2°12	19°27	13°21	2° 2	26°33	28°19	28°51	29°13	29° 6	4°42	S 13
M14	15 29 47	23°47'07	26°57	1°14	3°21	1°54	19°42	13°22	2° 3	26°32	28°20	28°52	29°10	29°13	4°44	M14
T 15	15 33 43	24°44'51	89946	1°42	4°30	1°36	19°56	13°22	2° 4	26°32	28°21	28°52	29° 7	29°20	4°45	T 15
W16	15 37 40	25°42'34	20°35	2°14	5°39	1°19	20°10	13°23	2° 5	26°31	28°23	28°53	29° 4	29°26	4°46	W16
T 17	15 41 37	26°40'15	2 Ω 30	2°51	6°47	1° 3	20°24	13°24	2° 6	26°31	28°24	28°53	29° 1	29°33	4°47	T 17
F 18	15 45 33	27°37'55	14°33	3°31	7°56	0°48	20°38	13°24	2° 7	26°30	28°25	28°53	28°57	29°40	4°49	F 18
S 19	15 49 30	28°35'33	26°50	4°15	9° 4	0°33	20°52	13°25	2° 8	26°29	28°27	28°53	28°54	29°46	4°50	S 19
S 20	15 53 26	29°33'09	9 ₯ 25	5° 2	10°13	0°18	21° 6	13°25	2° 8	26°29	28°28	28°53	28°51	29°53	4°51	S 20
M21	15 57 23	0 Ⅲ 30'44	22°21	5°53	11°21	0° 5	21°21	13°25	2° 9	26°28	28°29	28°53	28°48	29°59	4°52	M21
T 22	16 1 19	1°28'18	5 ≙ 42	6°48	12°29	29 ≙ 52	21°35	13°25	2°10	26°27	28°30	28°54	28°45	0න 6	4°53	T 22
W23	16 5 16	2°25'50	19°29	7°46	13°37	29°40	21°49	13°R25	2°11	26°26	28°32	28°54	28°41	0°13	4°54	W23
T 24	16 9 12	3°23'21	3 M .42	8°47	14°44	29°29	22° 3	13°25	2°11	26°26	28°33	28°54	28°38	0°20	4°55	T 24
F 25	16 13 9	4°20'50	18°19	9°51	15°52	29°19	22°17	13°25	2°12	26°25	28°34	28°54	28°35	0°26	4°55	F 25
S 26	16 17 6	5°18'19	3 ∡ 13	10°59	16°59	29° 9	22°31	13°25	2°12	26°24	28°36	28°R55	28°32	0°33	4°56	S 26
S 27	16 21 2	6°15'46	18°17	12° 9	18° 7	29° 1	22°45	13°25	2°13	26°23	28°37	28°54	28°29	0°40	4°57	S 27
M28	16 24 59	7°13'13	3 궁 23	13°23	19°14	28°53	22°59	13°24	2°13	26°22	28°39	28°54	28°26	0°46	4°58	M28
T 29	16 28 55	8°10'39	18°21	14°39	20°21	28°46	23°13	13°24	2°14	26°21	28°40	28°53	28°22	0°53	4°58	T 29
W30	16 32 52	9° 8'04	3 ≈ 4	15°58	21°27	28°39	23°26	13°23	2°14	2 <u>6</u> °20	28°41	28°52	28°19	1° 0	4°59	W30
T 31	16 36 48	10耳 5'28	17 ≈ 27	17820	22934	28 ≏ 34	23 8 40	13≈22	2) 1 4	26 궁 19	28 Ⅱ 43	28 8 51	28 8 16	199 6	4) (59	T 31

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W 2	lecl decl	decl lat
F 4 16 7 19 23 5 13 10 12 1 37 25 9 1 56 12 47 0 33 16 14 0 50 17 36 0 43 11 32 0 44 20 28 0 25 18 28 5 1 19 58 20 S 5 16 24 14 38 5 15 9 53 1 51 25 15 1 58 12 42 0 30 16 18 0 50 17 35 0 43 11 32 0 44 20 28 0 25 18 28 5 0 19 58 20 S 6 16 41 9 17 4 59 9 36 2 5 25 20 2 0 12 38 0 27 16 23 0 50 17 35 0 43 11 31 0 45 20 28 0 25 18 28 5 0 19 58 20 M 7 16 57 3 37 4 28 9 22 2 17 25 25 2 1 12 33 0 25 16 27 0 50 17 35 0 43 11 31 0 45 20 28 0 25 18 28 5 0 19 57 20 T 8 17 14 2n 6 3 44 9 10 2 29 25 29 2 3 12 29 0 22 16 31 0 50 17 34 0 44 11 30 0 45 20 28 0 25 18 28 5 0 19 57 20 W 9 17 30 7 38 2 50 9 0 2 39 25 33 2 5 12 24 0 19 16 35 0 49 17 34 0 44 11 30 0 45 20 28 0 25 18 28 5 0 19 57 20 T 10 17 45 12 48 1 48 8 53 2 49 25 35 2 7 12 20 0 16 16 38 0 49 17 34 0 44 11 29 0 45 20 28 0 25 18 29 5 0 19 57 20 F 11 18 1 17 24 0 43 8 49 2 57 25 37 2 8 12 16 0 13 16 42 0 49 17 34 0 44 11 29 0 45 20 28 0 25 18 29 5 0 19 56 20		4s41 5n38 4 40 5 38
M 7 16 57 3 37 4 28 9 22 2 17 25 25 2 1 12 33 0 25 16 27 0 50 17 35 0 43 11 31 0 45 20 28 0 25 18 28 5 0 19 57 20 17 8 17 14 2n 6 3 44 9 10 2 29 25 29 2 3 12 29 0 22 16 31 0 50 17 34 0 44 11 30 0 45 20 28 0 25 18 28 5 0 19 57 20 18 18 18 18 18 18 18 18 18 18 18 18 18	7 25 55	4 38 5 39
W 9 17 30 7 38 2 50 9 0 2 39 25 33 2 5 12 24 0 19 16 35 0 49 17 34 0 44 11 30 0 45 20 28 0 25 18 28 5 0 19 57 20 T 10 17 45 12 48 1 48 8 53 2 49 25 35 2 7 12 20 0 16 16 38 0 49 17 34 0 44 11 29 0 45 20 28 0 25 18 29 5 0 19 57 20 F 11 18 1 17 24 0 43 8 49 2 57 25 37 2 8 12 16 0 13 16 42 0 49 17 34 0 44 11 29 0 45 20 28 0 25 18 29 5 0 19 56 20	5 25 58	
S 12 18 16 21 14 0n24 8 47 3 5 25 39 2 10 12 12 0 11 16 46 0 49 17 33 0 44 11 29 0 45 20 28 0 25 18 29 5 0 19 56 20	3 26 1	4 34 5 40 4 33 5 40 4 32 5 41
S 13 18 31 24 8 1 29 8 48 3 12 25 39 2 11 12 8 0 8 16 50 0 49 17 33 0 44 11 28 0 45 20 28 0 25 18 29 4 59 19 56 20 M14 18 45 25 57 2 30 8 51 3 17 25 39 2 13 12 4 0 5 16 54 0 49 17 33 0 45 11 28 0 45 20 28 0 25 18 29 4 59 19 57 20 M14 17 M15 18 M15	1 26 3	4 31 5 41 4 30 5 41 4 29 5 42
T 15	59 26 5	4 29 5 42 4 28 5 42 4 27 5 42
F 18 19 40 21 24 5 8 9 25 3 31 25 32 2 17 11 52 0 6 17 9 0 49 17 33 0 45 11 27 0 45 20 29 0 25 18 30 4 59 19 57 19 S 19 19 53 17 33 5 17 9 38 3 32 25 28 2 18 11 49 0 8 17 13 0 49 17 33 0 45 11 26 0 45 20 29 0 25 18 30 4 59 19 57 19 S 20 20 20 20 20 20 20 20 20 20 20 20 20	57 26 8	4 27 5 43 4 26 5 43
	56 26 9 55 26 10	-
T 24 20 52 10 39 2 15 11 12 3 26 25 0 2 21 11 39 0 21 17 32 0 49 17 34 0 46 11 25 0 45 20 30 0 25 18 30 4 58 19 57 19 F 25 21 3 16 23 0 59 11 36 3 22 24 53 2 21 11 37 0 24 17 35 0 24 17 35 0 49 17 34 0 46 11 25 0 45 20 30 0 25 18 30 4 58 19 57 19		
S 26 21 14 21 14 0s24 12 1 3 18 24 45 2 22 11 36 0 26 17 39 0 49 17 34 0 46 11 25 0 45 20 30 0 25 18 31 4 58 19 57 19 19 19 19 19 19 19 1	51 26 14	4 21 5 45
T 29 21 43 26 12 4 1 13 22 3 2 24 16 2 22 11 34 0 33 17 50 0 48 17 35 0 47 11 24 0 45 20 30 0 25 18 31 4 58 19 57 19 19 19 19 19 19 19 1	50 26 15	4 20 5 46

Julian Day Number = 2330405.5, Delta T = 30.82 sec Ecliptic obliquity = $23^{\circ}29'01$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}06'39$, Lahiri = $19^{\circ}13'39$ Greg. Calendar

JUNE 1668 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(并	Р	u	Ω	Ç	ę,	Day
F 1	16 40 45	11 II 2'52	1) 26	18846	239540	28°R29	23854	13°R21	2) 15	26°R18	28∏44	28°R50	28 8 13	19913	5 米 0	F 1
S 2	16 44 41	12° 0'15	15° 1	20°13	24°47	28 ≏ 25	24° 8	13 ≈ 21	2°15	26 궁 17	28°45	28°D50	28°10	1°20	5° 0	S 2
S 3	16 48 38	12°57'37	28°13	21°44	25°53	28°22	24°22	13°19	2°15	26°16	28°47	28 8 50	28° 7	1°26	5° 0	S 3
M 4	16 52 35	13°54'59	11 Y 5	23°17	26°59	28°20	24°35	13°18	2°15	26°15	28°48	28°51	28° 3	1°33	5° 0	M 4
T 5	16 56 31	14°52'20	23°39	24°54	28° 4	28°18	24°49	13°17	2°15	26°14	28°50	28°52	28° 0	1°40	5° 1	T 5
W 6	17 0 28	15°49'41	5 8 58	26°32	29°10	28°D18	25° 3	13°16	2°R15	26°13	28°51	28°54	27°57	1°46	5° 1	W 6
T 7	17 4 24	16°47'01	18° 6	28°14	0Ω15	28°18	25°17	13°14	2°15	26°12	28°53	28°55	27°54	1°53	5°R 1	T 7
F 8	17 8 21	17°44'21	0 Π 6	29°58	1°20	28°19	25°30	13°13	2°15	26°11	28°54	28°R55	27°51	2° 0	5° 1	F 8
S 9	17 12 17	18°41'40	12° 0	1 Ⅱ 45	2°25	28°21	25°44	13°11	2°15	26°10	28°55	28°54	27°47	2° 6	5° 1	S 9
S 10	17 16 14	19°38'59	23°50	3°35	3°30	28°23	25°57	13°10	2°15	26° 8	28°57	28°53	27°44	2°13	5° 0	S 10
M11	17 20 11	20°36'17	5939	5°27	4°35	28°27	26°11	13° 8	2°15	26° 7	28°58	28°50	27°41	2°20	5° 0	M11
T 12	17 24 7	21°33'35	17°28	7°21	5°39	28°31	26°24	13° 6	2°14	26° 6	29° 0	28°47	27°38	2°26	5° 0	T 12
W13	17 28 4	22°30'51	29°20	9°18	6°43	28°36	26°38	13° 4	2°14	26° 5	29° 1	28°43	27°35	2°33	5° 0	W13
T 14	17 32 0	23°28'07	$11\Omega 18$	11°18	7°47	28°41	26°51	13° 2	2°14	26° 3	29° 3	28°39	27°32	2°40	4°59	T 14
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T 3	18 46 55	11°34'51	3 8 1	21°35	27° 4	2°38	0°55	12° 8	1°58	25°36	29°30	28° 9	26°31	4°47	4°42	T 3
W 4	18 50 51	12°32'03	15°13	23°35	28° 1	2°56	1° 7	12° 5	1°57	25°34	29°32	28°10	26°28	4°53	4°40	W 4
T 5	18 54 48	13°29'16	27°13	25°33	28°58	3°15	1°20	12° 1	1°55	25°33	29°33	28°R11	26°25	5° 0	4°39	T 5
F 6	18 58 44	14°26'29	9 I I 6	27°29	29°54	3°35	1°32	11°58	1°54	25°31	29°35	28°10	26°22	5° 7	4°37	F 6
S 7	19 241	15°23'43	20°54	29°23	0 m 50	3°55	1°44	11°54	1°53	25°29	29°36	28° 7	26°19	5°13	4°36	S 7
S 8	19 638	16°20'57	29542	1 Ω 15	1°46	4°15	1°56	11°50	1°51	25°28	29°38	28° 3	26°15	5°20	4°34	S 8
M 9	19 10 34	17°18'11	14°32	3° 5	2°40	4°36	2° 8	11°46	1°50	25°26	29°39	27°56	26°12	5°27	4°32	M 9
T 10	19 14 31	18°15'26	26°25	4°54	3°35	4°58	2°19	11°43	1°48	25°25	29°40	27°47	26° 9	5°33	4°31	T 10
W11	19 18 27	19°12'41	8 Ω 23	6°40	4°29	5°20	2°31	11°39	1°47	25°23	29°42	27°38	26° 6	5°40	4°29	W11
T 12	19 22 24	20° 9'56	20°28	8°25	5°22	5°42	2°43	11°35	1°45	25°21	29°43	27°28	26° 3	5°47	4°27	T 12
F 13	19 26 20	21° 7'12	2 Mp 42	10° 8	6°15	6° 5	2°54	11°31	1°43	25°20	29°45	27°19	25°59	5°53	4°25	F 13
S 14	19 30 17	22° 4'27	15° 5	11°49	7° 7	6°29	3° 6	11°27	1°42	25°18	29°46	27°12	25°56	6° 0	4°23	S 14
S 15	19 34 13	23° 1'43	27°42	13°28	7°59	6°52	3°17	11°22	1°40	25°17	29°47	27° 7	25°53	6° 7	4°21	S 15
M16	19 38 10	23°59'00	10 ≏ 34	15° 5	8°50	7°16	3°29	11°18	1°38	25°15	29°49	27° 4	25°50	6°13	4°19	M16
T 17	19 42 7	24°56'16	23°44	16°41	9°40	7°41	3°40	11°14	1°37	25°13	29°50	27°D 3	25°47	6°20	4°17	T 17
W18	19 46 3	25°53'33	7 M .16	18°14	10°29	8° 6	3°51	11°10	1°35	25°12	29°51	27° 3	25°44	6°27	4°15	W18
T 19	19 50 0	26°50'50	21°10	19°46	11°18	8°32	4° 2	11° 6	1°33	25°10	29°53	27°R 4	25°40	6°33	4°13	T 19
F 20	19 53 56	27°48'08	5 ₹ 29	21°15	12° 6	8°57	4°13	11° 1	1°31	25° 8	29°54	27° 4	25°37	6°40	4°11	F 20
S 21	19 57 53	28°45'26	20°10	22°43	12°53	9°24	4°24	10°57	1°29	25° 7	29°55	27° 2	25°34	6°47	4° 8	S 21
S 22	20 1 49	29°42'45	5 る 9	24° 9	13°40	9°50	4°35	10°53	1°28	25° 5	29°57	26°58	25°31	6°53	4° 6	S 22
M23	20 5 46	0 Ω 40'04	20°18	25°33	14°26	10°17	4°45	10°48	1°26	25° 4	29°58	26°51	25°28	7° 0	4° 4	M23
T 24	20 9 43	1°37'25	5≈28	26°55	15°10	10°45	4°56	10°44	1°24	25° 2	29°59	26°43	25°25	7° 7	4° 1	T 24
W25	20 13 39	2°34'45	20°29	28°15	15°54	11°12	5° 6	10°40	1°22	25° 0	09େ 1	26°33	25°21	7°13	3°59	W25
T 26	20 17 36	3°32'07	5) 11	29°32	16°37	11°40	5°17	10°35	1°20	24°59	0° 2	26°24	25°18	7°20	3°57	T 26
F 27	20 21 32	4°29'30	19°27	0 m 48	17°19	12° 9	5°27	10°31	1°18	24°57	0° 3	26°15	25°15	7°27	3°54	F 27
S 28	20 25 29	5°26'53	3 Υ 14	2° 2	18° 0	12°37	5°37	10°26	1°16	24°56	0° 4	26° 9	25°12	7°34	3°52	S 28
S 29	20 29 25	6°24'18	16°32	3°13	18°40	13° 6	5°47	10°22	1°13	24°54	0° 6	26° 6	25° 9	7°40	3°49	S 29
M30	20 33 22	7°21'44	29°23	4°22	19°18	13°36	5°57	10°17	1°11	24°52	0° 7	26° 4	25° 5	7°47	3°47	M30
T 31	20 37 18	8 Ω 19'12	11 8 51	5 m 28	19 m 56	14M 5	6 I 7	10≈13	1 米 9	24 궁 51	8 8 0	26°D 4	258 2	7 9 54	3) (44	T 31

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T 3	22 59		2 23 34	_			13 51		19 36	0 48			11 31		20 39	0 25					26 35	4 17	5 56
W 4	-		0 23 15				13 58			0 48			11 32			0 25					26 36	4 17	5 56
T 5	_		5 22 54				14 6		19 41	0 48			11 32			0 25					26 36	4 18	5 56
F 6	22 42		9 22 31	1 51			14 13		19 43	0 48			11 33		20 40	0 25					26 36	4 18	5 56
S 7	22 36	25 10 2	0 22 6	1 50	11 46	0 37	14 21	1 36	19 46	0 48	18 6	0 52	11 33	0 47	20 40	0 25	18 33	4 56	19 47	19 22	26 37	4 18	5 57
S 8	22 29	26 23 2 5	5 21 40	1 48	11 21	0 31	14 29	1 37	19 48	0 48	18 7	0 53	11 34	0 47	20 41	0 25	18 33	4 56	19 46	19 21	26 37	4 19	5 57
M 9	22 22	26 23 3 4	3 21 12	1 45	10 56	0 25	14 37	1 38	19 51	0 48	18 8	0 53	11 34	0 47	20 41	0 25	18 33	4 56	19 44	19 20	26 38	4 19	5 57
T 10	22 14	25 11 4 2	2 20 44	1 42	10 31	0 19	14 45	1 39	19 53	0 48	18 9	0 53	11 35	0 47	20 41	0 25	18 34	4 55	19 42	19 20	26 38	4 19	5 57
W11	22 6	22 51 4 4	9 20 14	1 38	10 5	0 13	14 53	1 40	19 55	0 48	18 10	0 53	11 36	0 47	20 41	0 25	18 34	4 55	19 40	19 19	26 39	4 20	5 58
T 12	21 58	19 29 5	3 19 42	1 34	9 40	0 7	15 2	1 41	19 57	0 48	18 12	0 53	11 36	0 47	20 42	0 25	18 34	4 55	19 38	19 18	26 39	4 20	5 58
F 13	21 49	15 16 5	4 19 10	1 29	9 14	0 0	15 10	1 42	20 0	0 48	18 13	0 53	11 37	0 47	20 42	0 25	18 34	4 55	19 36	19 17	26 39	4 21	5 58
S 14	21 40	10 21 4 5	1 18 38	1 24	8 49	0s 6	15 19	1 42	20 2	0 48	18 14	0 53	11 37	0 47	20 42	0 25	18 34	4 55	19 34	19 17	26 40	4 21	5 58
S 15	21 31	4 57 4 2	4 18 4	1 19	8 23	0 13	15 28	1 43	20 4	0 48	18 15	0 53	11 38	0 47	20 43	0 25	18 34	4 55	19 33	19 16	26 40	4 22	5 58
M16	21 21	0s47 3 4	2 17 30	1 12	7 58	0 20	15 36	1 44	20 6	0 48	18 17	0 54	11 39	0 47	20 43	0 25	18 34	4 55	19 32	19 15	26 40	4 22	5 59
T 17	21 11	6 37 2 4	9 16 55	1 6	7 32	0 27	15 45	1 45	20 8	0 48	18 18	0 54	11 39	0 47	20 43	0 25	18 34	4 55	19 32	19 14	26 41	4 23	5 59
W18	21 0	12 19 1 4	4 16 20	0 59	7 7	0 35	15 54	1 46	20 10	0 48	18 19	0 54	11 40	0 47	20 44	0 25	18 34	4 55	19 32	19 14	26 41	4 24	5 59
T 19	20 50	17 35 0 3	2 15 44	0 52	6 41	0 42	16 3	1 46	20 12	0 48	18 20	0 54	11 41	0 47	20 44	0 25	18 34	4 55	19 32	19 13	26 41	4 24	5 59
F 20	20 38	22 0 0s4	5 15 8	0 44	6 16	0 50	16 12	1 47	20 14	0 48	18 22	0 54	11 41	0 47	20 44	0 25	18 34	4 55	19 32	19 12	26 42	4 25	5 59
S 21	20 27	25 7 2	0 14 32	0 36	5 51	0 58	16 21	1 48	20 16	0 48	18 23	0 54	11 42	0 47	20 44	0 25	18 34	4 55	19 32	19 11	26 42	4 25	5 59
S 22	20 15	26 31 3	8 13 56	0 27	5 25	1 6	16 30	1 48	20 18	0 48	18 24	0 54	11 43	0 47	20 45	0 25	18 34	4 55	19 31	19 11	26 42	4 26	6 0
M23	20 3	25 58 4	4 13 19	0 19	5 0	1 14	16 39	1 49	20 20	0 48	18 26	0 54	11 43	0 47	20 45	0 25	18 34	4 55	19 29	19 10	26 43	4 27	6 0
T 24	19 50	23 30 4 4	3 12 43	0 10	4 35	1 22	16 49	1 50	20 22	0 48	18 27	0 54	11 44	0 47	20 45	0 25	18 34	4 55	19 27	19 9	26 43	4 28	6 0
W25	19 37	19 27 5	1 12 7	0 0	4 10	1 31	16 58	1 50	20 24	0 48	18 28	0 55	11 45	0 47	20 46	0 25	18 34	4 55	19 25	19 8	26 43	4 28	6 0
T 26	19 24	14 16 5	0 11 31	0s 9	3 46	1 40	17 7	1 51	20 26	0 48	18 29	0 55	11 46	0 47	20 46	0 25	18 34	4 55	19 23	19 7	26 44	4 29	6 0
F 27	19 10	8 27 4 3	9 10 55	0 19	3 21	1 49	17 17	1 52	20 28	0 48	18 31	0 55	11 46	0 47	20 46	0 25	18 34	4 55	19 21	19 7	26 44	4 30	6 0
S 28	18 57	2 25 4	2 10 19	0 29	2 57	1 58	17 26	1 52	20 29	0 48	18 32	0 55	11 47	0 47	20 47	0 25	18 34	4 55	19 20	19 6	26 44	4 30	6 0
S 29	18 42	3n31 3 1	4 9 44	0 40	2 33	2 7	17 35	1 53	20 31	0 48	18 33	0 55	11 48	0 47	20 47	0 25	18 34	4 55	19 19	19 5	26 44	4 31	6 1
M30	18 28	9 8 2 1	7 9 9	0 50	2 9	2 16	17 45	1 53	20 33	0 48	18 35	0 55	11 49	0 47	20 47	0 25	18 34	4 56	19 18	19 4	26 45	4 32	6 1
T 31	18n13	14n14 1s1	5 8n35	1 s 1	1n45	2 s26	17 s54	1 s54	20n34	0 s48	18s36	0s55	11 s49	0 s47	20 s47	0n25	18n34	4s56	19n18	19n 4	26n45	4s33	6n 1

Julian Day Number = 2330466.5, Delta T = 30.71 sec Ecliptic obliquity = $23^{\circ}29'01$, Nutation = - $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}06'47$, Lahiri = $19^{\circ}13'47$ Greg. Calendar

AUGUST 1668 GC 00:00 UT

AUU	J31 TUC	o uc													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(并	В	v	v	Ç	Ŗ	Day
W 1	20 41 15	9 Ω 16'40	248 1	6 m 33	20 m 33	14 M .35	6 I I17	10°R 8	1°R 7	24°R49	099 9	26°R 4	24 8 59	8 9 0	3°R42	W 1
T 2	20 45 11	10°14'11	5 II 59	7°34	21° 8	15° 6	6°26	10≈ 4	1 ∺ 5	24 궁 48	0°10	268 4	24°56	8° 7	3 ∺ 39	T 2
F 3	20 49 8	11°11'42	17°50	8°33	21°42	15°36	6°36	10° 0	1° 3	24°46	0°11	26° 2	24°53	8°14	3°36	F 3
S 4	20 53 5	12° 9'15	29°38	9°29	22°15	16° 7	6°45	9°55	1° 1	24°45	0°13	25°57	24°50	8°20	3°34	S 4
S 5	20 57 1	13° 6'49	119527	10°22	22°46	16°38	6°54	9°51	0°58	24°43	0°14	25°50	24°46	8°27	3°31	S 5
M 6	21 0 58	14° 4'24	23°20	11°12	23°16	17°10	7° 3	9°46	0°56	24°42	0°15	25°41	24°43	8°34	3°28	M 6
T 7	21 4 54	15° 2'01	5 Ω 20	11°58	23°44	17°41	7°12	9°42	0°54	24°40	0°16	25°29	24°40	8°40	3°25	T 7
W 8	21 8 51	15°59'38	17°27	12°41	24°11	18°14	7°21	9°37	0°51	24°39	0°17	25°15	24°37	8°47	3°23	W 8
T 9	21 12 47	16°57'17	29°44	13°21	24°37	18°46	7°30	9°33	0°49	24°37	0°18	25° 2	24°34	8°54	3°20	T 9
F 10	21 16 44	17°54'58	12 m 11	13°57	25° 0	19°18	7°39	9°28	0°47	24°36	0°19	24°49	24°30	9° 0	3°17	F 10
S 11	21 20 41	18°52'39	24°48	14°28	25°22	19°51	7°47	9°24	0°45	24°34	0°20	24°39	24°27	9° 7	3°14	S 11
S 12	21 24 37	19°50'21	7 ≏ 36	14°56	25°43	20°24	7°56	9°20	0°42	24°33	0°21	24°31	24°24	9°14	3°11	S 12
M13	21 28 34	20°48'05	20°36	15°18	26° 1	20°58	8° 4	9°15	0°40	24°31	0°22	24°26	24°21	9°20	3° 8	M13
T 14	21 32 30	21°45'49	3 M .51	15°36	26°18	21°32	8°12	9°11	0°38	24°30	0°23	24°24	24°18	9°27	3° 6	T 14
W15	21 36 27	22°43'35	17°21	15°49	26°32	22° 5	8°20	9° 7	0°35	24°29	0°24	24°23	24°15	9°34	3° 3	W15
T 16	21 40 23	23°41'22	1 才 9	15°57	26°45	22°40	8°28	9° 2	0°33	24°27	0°25	24°23	24°11	9°40	3° 0	T 16
F 17	21 44 20	24°39'10	15°15	16°R 0	26°55	23°14	8°35	8°58	0°30	24°26	0°26	24°22	24° 8	9°47	2°57	F 17
S 18	21 48 16	25°37'00	29°39	15°56	27° 4	23°49	8°43	8°54	0°28	24°24	0°27	24°20	24° 5	9°54	2°54	S 18
S 19	21 52 13	26°34'50	14 궁 19	15°47	27°10	24°23	8°50	8°50	0°26	24°23	0°28	24°15	24° 2	10° 1	2°51	S 19
M20	21 56 10	27°32'42	29°10	15°32	27°14	24°58	8°58	8°46	0°23	24°22	0°29	24° 7	23°59	10° 7	2°48	M20
T 21	22 0 6	28°30'36	14≈ 3	15°11	27°R16	25°34	9° 5	8°42	0°21	24°21	0°30	23°57	23°56	10°14	2°45	T 21
W22	22 4 3	29°28'30	28°51	14°44	27°15	26° 9	9°12	8°38	0°19	24°19	0°31	23°46	23°52	10°21	2°42	W22
T 23	22 7 59	0 m/26'26	13 ¥ 25	14°11	27°12	26°45	9°18	8°34	0°16	24°18	0°31	23°34	23°49	10°27	2°39	T 23
F 24	22 11 56	1°24'24	27°37	13°33	27° 7	27°21	9°25	8°30	0°14	24°17	0°32	23°25	23°46	10°34	2°36	F 24
S 25	22 15 52	2°22'23	11 Y 24	12°50	26°59	27°57	9°32	8°26	0°11	24°16	0°33	23°17	23°43	10°41	2°33	S 25
S 26	22 19 49	3°20'25	24°43	12° 2	26°49	28°33	9°38	8°22	0° 9	24°14	0°34	23°12	23°40	10°47	2°30	S 26
M27	22 23 45	4°18'28	7 8 36	11° 9	26°36	29°10	9°44	8°18	0° 7	24°13	0°35	23° 9	23°36	10°54	2°27	M27
T 28	22 27 42	5°16'33	20° 7	10°14	26°21	29°47	9°50	8°14	0° 4	24°12	0°35	23°D 8	23°33	11° 1	2°24	T 28
W29	22 31 38	6°14'40	2 Ⅱ 19	9°17	26° 4	0 ₹ 23	9°56	8°11	0° 2	24°11	0°36	23°R 8	23°30	11° 7	2°22	W29
T 30	22 35 35	7°12'49	14°18	8°19	25°45	1° 1	10° 2	8° 7	29≈59	24°10	0°37	23° 8	23°27	11°14	2°19	T 30
F 31	22 39 32	8 Mp 11'01	26 I I10	7 m 21	25 m 23	1 ∡ 38	10耳 7	8≈ 3	29≈57	24る 9	0937	238 7	23824	119521	2) (16	F 31

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T 2	17 43	22 12 0n	52 7 28	1 22	0 59	2 46 18	13 1 55	20 38	0 49	18 39	0 55	11 51	0 48	20 48	0 25	18 33	4 56	19 18	19 2	26 45	4 35	6 1
F 3	17 27	24 48 1	53 6 56	1 33	0 36	2 56 18	23 1 55	20 39	0 49	18 40	0 55	11 52	0 48	20 48	0 25	18 33	4 56	19 18	19 1	26 45	4 35	6 1
S 4	17 11	26 17 2	48 6 25	1 45	0 14	3 6 18	32 1 56	20 41	0 49	18 41	0 55	11 53	0 48	20 49	0 25	18 33	4 56	19 17	19 1	26 46	4 36	6 1
S 5	16 55	26 34 3	36 5 55	1 56	0s 8	3 16 18	12 1 56	20 42	0 49	18 42	0 56	11 53	0 48	20 49	0 25	18 33	4 56	19 15	19 0	26 46	4 37	6 1
M 6	16 38	25 38 4	14 5 25	2 7	0 29	3 27 18	51 1 56	20 44	0 49	18 44	0 56	11 54	0 48	20 49	0 25	18 33	4 56	19 13	18 59	26 46	4 38	6 1
T 7	16 21	23 32 4	42 4 57	2 18	0 50	3 38 19	0 1 57	20 45	0 49	18 45	0 56	11 55	0 48	20 50	0 25	18 33	4 56	19 10	18 58	26 46	4 39	6 1
W 8	16 4	20 21 4	57 4 30	2 29	1 11	3 48 19	10 1 57	20 47	0 49	18 46	0 56	11 56	0 48	20 50	0 25	18 33	4 56	19 7	18 57	26 46	4 40	6 1
T 9	15 47	16 15 4	59 4 5	2 41	1 31	3 59 19	19 1 58	20 48	0 49	18 47	0 56	11 57	0 48	20 50	0 25	18 33	4 56	19 4	18 57	26 47	4 41	6 1
F 10	15 29	11 25 4	47 3 41	2 52	1 51	4 11 19	29 1 58	20 49	0 49	18 49	0 56	11 58	0 48	20 50	0 25	18 33	4 56	19 1	18 56	26 47	4 42	6 2
S 11	15 12	6 3 4	20 3 19	3 2	2 10	4 22 19	38 1 58	20 51	0 49	18 50	0 56	11 58	0 48	20 51	0 25	18 33	4 56	18 58	18 55	26 47	4 43	6 2
S 12	14 54	0 21 3	40 2 59	3 13	2 28	4 33 19	17 1 58	20 52	0 49	18 51	0 56	11 59	0 48	20 51	0 25	18 33	4 56	18 56	18 54	26 47	4 44	6 2
M13	14 35	5 s 28 2	48 2 40	3 23	2 46	4 44 19	56 1 59	20 53	0 49	18 52	0 56	12 0	0 48	20 51	0 25	18 33	4 56	18 55	18 54	26 47	4 45	6 2
T 14	14 17	11 9 1	46 2 24	3 33	3 3	4 56 20	6 1 59	20 54	0 49	18 54	0 56	12 1	0 48	20 51	0 25	18 33	4 56	18 54	18 53	26 47	4 46	6 2
W15	13 58	16 27 0	37 2 10	3 43	3 19	5 7 20	15 1 59	20 56	0 49	18 55	0 56	12 2	0 48	20 52	0 25	18 33	4 56	18 54	18 52	26 48	4 47	6 2
T 16	13 39	21 1 0s	36 1 59	3 52	3 35	5 19 20	24 2 (20 57	0 49	18 56	0 56	12 3	0 48	20 52	0 25	18 33	4 56	18 54	18 51	26 48	4 48	6 2
F 17	13 20	24 27 1	48 1 50	4 0	3 50	5 31 20	33 2 (20 58	0 49	18 57	0 56	12 3	0 48	20 52	0 25	18 33	4 56	18 54	18 50	26 48	4 49	6 2
S 18	13 0	26 24 2	55 1 45	4 8	4 4	5 42 20	12 2 (20 59	0 49	18 58	0 56	12 4	0 48	20 52	0 25	18 33	4 56	18 53	18 50	26 48	4 50	6 2
S 19	12 41	26 33 3	51 1 42	4 15	4 17	5 54 20	51 2 (21 0	0 49	19 0	0 56	12 5	0 48	20 53	0 25	18 33	4 56	18 52	18 49	26 48	4 51	6 2
M20	12 21	24 48 4	33 1 42	4 21	4 29	6 5 21	0 2 1	21 1	0 49	19 1	0 56	12 6	0 48	20 53	0 24	18 33	4 56	18 50	18 48	26 48	4 52	6 2
T 21	12 1	21 21 4	56 1 46	4 25	4 40	6 17 21	8 2 1	21 2	0 49	19 2	0 57	12 7	0 48	20 53	0 24	18 33	4 56	18 48	18 47	26 48	4 53	6 2
W22	11 41	16 34 4	59 1 53	4 29	4 50	6 28 21	17 2 1	21 3	0 49	19 3	0 57	12 8	0 48	20 53	0 24	18 33	4 56	18 45	18 47	26 48	4 54	6 2
T 23	11 20	10 53 4	43 2 4	4 31	4 59	6 39 21	26 2 1	21 4	0 50	19 4	0 57	12 9	0 48	20 54	0 24	18 33	4 56	18 42	18 46	26 48	4 55	6 2
F 24	11 0	4 45 4	9 2 18	4 31	5 7	6 50 21	34 2 1	21 5	0 50	19 5	0 57	12 9	0 48	20 54	0 24	18 33	4 56	18 40	18 45	26 48	4 56	6 1
S 25	10 39	1n25 3	22 2 36	4 30	5 14	7 1 21	13 2 1	21 6	0 50	19 6	0 57	12 10	0 48	20 54	0 24	18 33	4 56	18 38	18 44	26 48	4 57	6 1
S 26	10 18	7 21 2	24 2 57	4 27	5 20	7 12 21	51 2 1	21 7	0 50	19 7	0 57	12 11	0 48	20 54	0 24	18 33	4 56	18 36	18 43	26 48	4 58	6 1
M27	9 57	12 47 1	21 3 21	4 22	5 24	7 22 21	59 2 2	21 8	0 50	19 8	0 57	12 12	0 48	20 55	0 24	18 33	4 56	18 36	18 43	26 48	5 0	6 1
T 28	9 36	17 33 0	16 3 48	4 15	5 27	7 32 22	7 2 2	21 9	0 50	19 9	0 57	12 13	0 48	20 55	0 24	18 32	4 57	18 36	18 42	26 49	5 1	6 1
W29	9 14	21 27 0n	48 4 18	4 6	5 29	7 41 22	15 2 2	21 10	0 50	19 10	0 57	12 14	0 48	20 55	0 24	18 32	4 57	18 36	18 41	26 49	5 2	6 1
T 30	8 53	24 23 1	50 4 49	3 56	5 29	7 50 22	23 2 2	21 10	0 50	19 11	0 57	12 14	0 48	20 55	0 24	18 32	4 57	18 36	18 40	26 49	5 3	6 1
F 31	8n31	26n11 2n	46 5n22	2 3 s43	5 s29	7 s 58 22 s	31 2s 2	21n11	0 s 5 0	19s12	0s57	12 s15	0 s48	20s55	0n24	18n32	4s57	18n35	18n39	26n49	5s 4	6n 1

Julian Day Number = 2330497.5, Delta T = 30.66 sec Ecliptic obliquity = $23^{\circ}29'02$, Nutation = - $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}06'51$, Lahiri = $19^{\circ}13'52$ Greg. Calendar

SEPTEMBER 1668 GC 00:00 UT

JLI	ILMDLK	1000 u	C												00.0	0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ਮੂ(卉	Р	v	v	Ç	ę,	Day
S	22 43 28	9 m 9'14	79559	6°R24	24°R59	2 √ 15	10 II 13	8°R 0	29°R55	24°R 8	0938	23°R 3	23821	119527	2°R13	S 1
S	2 22 47 25	10° 7'29	19°50	5 m 31	24 Mp 34	2°53	10°18	7≈56	29≈52	24중 7	0°39	22 8 57	23°17	11°34	2) (10	S 2
M 3	3 22 51 21	11° 5'46	1 Ω 48	4°41	24° 6	3°31	10°23	7°53	29°50	24° 6	0°39	22°49	23°14	11°41	2° 7	M 3
T 4	22 55 18	12° 4'06	13°55	3°57	23°37	4° 9	10°28	7°50	29°48	24° 5	0°40	22°38	23°11	11°48	2° 4	T 4
W :	22 59 14	13° 2'27	26°13	3°20	23° 5	4°47	10°33	7°46	29°45	24° 4	0°41	22°26	23° 8	11°54	2° 1	W 5
T (5 23 3 11	14° 0'49	8 M 44	2°49	22°33	5°25	10°37	7°43	29°43	24° 3	0°41	22°14	23° 5	12° 1	1°58	T 6
F ?	7 23 7 7	14°59'14	21°28	2°27	21°59	6° 4	10°42	7°40	29°41	24° 2	0°42	22° 2	23° 2	12° 8	1°55	F 7
S	3 23 11 4	15°57'41	4 ≏ 24	2°14	21°24	6°43	10°46	7°37	29°39	24° 1	0°42	21°52	22°58	12°14	1°53	S 8
S	23 15 1	16°56'09	17°31	2°D10	20°48	7°22	10°50	7°34	29°36	24° 0	0°43	21°45	22°55	12°21	1°50	S 9
M10		17°54'39	0 M .49	2°15	20°12	8° 1	10°54	7°31	29°34	24° 0	0°43	21°41	22°52	12°28	1°47	M10
T 1		18°53'11	14°19	2°29	19°35	8°40	10°57	7°29	29°32	23°59	0°44	21°39	22°49	12°34	1°44	T 11
W12		19°51'45	27°58	2°53	18°58	9°19	11° 1	7°26	29°30	23°58	0°44	21°D39	22°46	12°41	1°41	W12
T 13		20°50'20	11 ~ 49	3°26	18°21	9°59	11° 4	7°23	29°27	23°57	0°44	21°40	22°42	12°48	1°39	T 13
F 14		21°48'57	2 <u>5</u> °51	4° 8	17°45	10°39	11° 7	7°21	29°25	23°57	0°45	21°R40	22°39	12°54	1°36	F 14
S 1:	23 38 40	22°47'36	10중 3	4°58	17° 9	11°18	11°10	7°18	29°23	23°56	0°45	21°39	22°36	13° 1	1°33	S 15
S 16	23 42 36	23°46'16	24°24	5°56	16°33	11°58	11°13	7°16	29°21	23°56	0°45	21°35	22°33	13° 8	1°31	S 16
M17	23 46 33	24°44'58	8≈51	7° 1	15°59	12°39	11°15	7°13	29°19	23°55	0°46	21°29	22°30	13°15	1°28	M17
T 18	3 23 50 30	25°43'42	23°19	8°13	15°26	13°19	11°17	7°11	29°17	23°54	0°46	21°22	22°27	13°21	1°25	T 18
W19	23 54 26	26°42'27	7) €42	9°31	14°54	13°59	11°19	7° 9	29°15	23°54	0°46	21°13	22°23	13°28	1°23	W19
T 20	23 58 23	27°41'15	21°54	10°54	14°24	14°40	11°21	7° 7	29°13	23°53	0°47	21° 4	22°20	13°35	1°20	T 20
F 2		28°40'04	5 Υ 50	12°21	13°56	15°20	11°23	7° 5	29°11	23°53	0°47	20°57	22°17	13°41	1°18	F 21
S 22	0 616	29°38'55	19°25	13°53	13°30	16° 1	11°25	7° 3	29° 9	23°52	0°47	20°51	22°14	13°48	1°15	S 22
S 23		0 ჲ 37'49	2 8 38	15°28	13° 5	16°42	11°26	7° 2	29° 7	23°52	0°47	20°47	22°11	13°55	1°13	S 23
M24		1°36'45	15°29	17° 6	12°43	17°23	11°27	7° 0	29° 5	23°52	0°47	20°D45	22° 7	14° 1	1°10	M24
T 25		2°35'43	28° 0	18°46	12°24	18° 4	11°28	6°58	29° 3	23°51	0°47	20°45	22° 4	14° 8	1° 8	T 25
W26		3°34'43	10 Ⅱ 13	20°29	12° 6	18°46	11°29	6°57	29° 1	23°51	0°48	20°46	22° 1	14°15	1° 5	W26
T 27		4°33'46	22°14	22°12	11°51	19°27	11°29	6°55	28°59	23°51	0°48	20°48	21°58	14°21	1° 3	T 27
F 28		5°32'51	495 7	23°57	11°38	20° 9	11°30	6°54	28°58	23°50	0°48	20°R48	21°55	14°28	1° 1	F 28
S 29	0 33 52	6°31'58	15°58	25°43	11°28	20°50	11°R30	6°53	28°56	23°50	0°48	20°48	21°52	14°35	0°59	S 29
S 30	0 37 48	7 ₽ 31'07	27951	27 m 29	11 m 20	21 ~ 32	11 II 30	6≈52	28≈54	23 궁 50	0°R48	20846	21848	149542	0 ₩56	S 30

Day	0	2)	ζ	5	ς	2	ď	7	2	ļ.	ħ	<u> </u>)į	ξ(Ī	Ļ	Е)	'n	v	Ç	ķ	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n 9	26n48	3n34	5n56	3 s29	5 s 2 6	8s 6	22 s39	2 s 2	21n12	0 s50	19s13	0s57	12 s16	0 s48	20 s 5 6	0n24	18n32	4s57	18n34	18n39	26n49	5 s 5	6n 1
S 2	7 47	26 11	4 13	6 31	3 13	5 23	8 13	22 46	2 2	21 13	0 50	19 14	0 57	12 17	0 48	20 56	0 24	18 32	4 57	18 33	18 38	26 49	5 6	6 1
M 3	7 25	24 22	4 42	7 4	2 56	5 18	8 20	22 53	2 2	21 13	0 50	19 15	0 57	12 18	0 48	20 56	0 24	18 32	4 57	18 31	18 37	26 49	5 7	6 1
T 4		21 26		7 37	2 38	5 12	8 26			21 14	0 50	19 16		12 19		20 56	0 24	18 32		18 28			5 9	6 1
W 5		17 31	-	8 8	2 19	5 4	8 31			21 14		19 17		12 19		20 56	-				18 35		5 10	6 0
T 6	6 18		-	8 37	2 0	4 55		23 15		21 15	0 50			12 20		20 57							5 11	6 0
F 7	5 55		-			4 45		23 22		21 16		19 18		12 21		20 57	-				18 34		5 12	6 0
S 8	5 33	1 40	3 44	9 26	1 21	4 34	8 41	23 28	2 2	21 16	0 50	19 19	0 57	12 22	0 48	20 57	0 24	18 32	4 57	18 16	18 33	26 48	5 13	6 0
S 9	5 10	4s15	2 51	9 46	1 2	4 22	8 43	23 35	2 2	21 17	0 51	19 20	0 57	12 22	0 48	20 57	0 24	18 32	4 57	18 14	18 32	26 48	5 14	6 0
M10	4 47	10 5	1 49	10 1	0 43	4 8	8 44	23 41	2 2	21 17	0 51	19 21	0 57	12 23	0 48	20 57	0 24	18 32	4 57	18 13	18 31	26 48	5 15	6 0
T 11	4 24	15 32	0 39	10 13	0 25	3 54	8 43	23 47	2 2	21 18	0 51	19 21	0 57	12 24	0 48	20 57	0 24	18 32	4 57	18 13	18 31	26 48	5 17	5 59
W12	4 1	20 18	0s34	10 20	0 8	3 38		23 54		21 18	0 51	-	0 57	12 25	0 48	20 58	0 24	18 32			18 30		5 18	5 59
T 13	3 38	23 59	1 46	10 24	0n 8	3 22	8 40	23 59		21 18	0 51	19 23	0 57	12 26	0 48	20 58	0 24	18 32			18 29		5 19	5 59
F 14	3 15	26 17	2 52	10 23	0 24	3 5	8 37			21 19	0 51			12 26		20 58		18 31			18 28		5 20	5 59
S 15	2 52	26 54	3 49	10 17	0 38	2 47	8 33	24 11	2 1	21 19	0 51	19 24	0 57	12 27	0 48	20 58	0 24	18 31	4 58	18 13	18 27	26 48	5 21	5 59
S 16	2 29	25 44	4 32	10 8	0 50	2 29	8 28	24 16	2 1	21 19	0 51	19 25	0 57	12 28	0 48	20 58	0 24	18 31	4 58	18 12	18 27	26 48	5 22	5 59
M17	2 5	22 52	4 58	9 55	1 2	2 11	8 22	24 21	2 1	21 20	0 51	19 25	0 57	12 28	0 47	20 58	0 24	18 31	4 58	18 10	18 26	26 48	5 23	5 58
T 18	1 42	18 34	5 5	9 37	1 12	1 52	8 16	24 26	2 1	21 20	0 51	19 26	0 57	12 29	0 47	20 58	0 24	18 31	4 58	18 8	18 25	26 47	5 24	5 58
W19	1 19	13 13	4 53	9 17	1 21	1 34	8 9	24 31	2 1	21 20	0 51	19 26	0 57	12 30	0 47	20 59	0 24	18 31	4 58	18 6	18 24	26 47	5 25	5 58
T 20	0 55	7 14	4 23	8 52	1 29	1 15	8 1	24 36	2 0	21 20	0 51	19 27	0 57	12 31	0 47	20 59	0 24	18 31	4 58	18 4	18 23	26 47	5 27	5 58
F 21	0 32	1 0	3 37	8 25	1 36	0 56	7 52	24 40	2 0	21 21	0 51	19 27	0 57	12 31	0 47	20 59	0 24	18 31	4 58	18 2	18 22	26 47	5 28	5 57
S 22	0 8	5n 8	2 40	7 55	1 42	0 37	7 42	24 44	2 0	21 21	0 51	19 28	0 57	12 32	0 47	20 59	0 24	18 31	4 58	18 0	18 22	26 47	5 29	5 57
S 23	0s15	10 54	1 36	7 22	1 46	0 19	7 33	24 48	2 0	21 21	0 51	19 28	0 57	12 33	0 47	20 59	0 24	18 31	4 58	17 59	18 21	26 47	5 30	5 57
M24	0 39	16 3	0 28	6 47	1 49	0 1	7 22	24 52	2 0	21 21	0 51	19 29	0 57	12 33	0 47	20 59	0 24	18 31	4 58	17 58	18 20	26 46	5 31	5 57
T 25	1 2	20 23	0n39	6 10	1 52	0n17	7 11	24 56	1 59	21 21	0 51	19 29	0 57	12 34	0 47	20 59	0 24	18 31	4 58	17 58	18 19	26 46	5 32	5 56
W26	1 26	23 43	1 43	5 31	1 53	0 34	7 0	24 59	1 59	21 21	0 51	19 30	0 57	12 35	0 47	20 59	0 24	18 31	4 58	17 59	18 18	26 46	5 33	5 56
T 27	1 49	25 57	2 42	4 51	1 54	0 50	6 48	25 2	1 59	21 21	0 52	19 30	0 57	12 35	0 47	20 59	0 24	18 31	4 58	17 59	18 18	26 46	5 34	5 56
F 28	2 12	26 58	3 33	4 9	1 54	1 6	6 36	25 5	1 59	21 21	0 52	19 30	0 57	12 36	0 47	20 59	0 24	18 31	4 58	17 59	18 17	26 46	5 35	5 56
S 29	2 36	26 44	4 14	3 26	1 53	1 21	6 24	25 8	1 58	21 21	0 52	19 31	0 57	12 36	0 47	20 59	0 24	18 30	4 58	17 59	18 16	26 45	5 36	5 55
S 30	2 s59	25n17	4n45	2n43	1n52	1n36	6s12	25 s11	1 s58	21n21	0 s52	19s31	0s57	12 s37	0 s47	20 s 5 9	0n24	18n30	4 s 5 8	17n59	18n15	26n45	5 s37	5n55

 $\label{eq:Julian Day Number = 2330528.5, Delta T = 30.60 sec} \\ Ecliptic obliquity = 23°29'02, Nutation = -0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°06'56, Lahiri = 19°13'56Greg. Calendar$

OCTOBER 1668 GC 00:00 UT

UCIC	DEK TO	JUU UC													00.0	0 01
Day	Sid.t	0	D	ğ	P	ð	4	ħ)ਮੂ(并	В	S.	v	Ç	Ŗ	Day
M 1	0 41 45	8 ₾ 30'19	9 Ω 51	29 m 15	11°R15	22 × 14	11°R30	6°R51	28°R52	23°R50	0°R48	20°R41	21845	149548	0°R54	M 1
T 2	0 45 41	9°29'33	22° 3	1 ♀ 2	11 m 12	22°56	11 Ⅱ 29	6≈50	28≈51	23 る 50	09548	20 8 36	21°42	14°55	0 ∺ 52	T 2
W 3	0 49 38	10°28'50	4 Mp 29	2°49	11°D11	23°38	11°28	6°49	28°49	23°50	0°48	20°29	21°39	15° 2	0°50	W 3
T 4	0 53 34	11°28'08	17°11	4°35	11°13	24°21	11°28	6°48	28°48	23°50	0°48	20°22	21°36	15° 8	0°48	T 4
F 5	0 57 31	12°27'29	0 ჲ 10	6°21	11°17	25° 3	11°27	6°48	28°46	23°D50	0°48	20°15	21°33	15°15	0°46	F 5
S 6	1 1 28	13°26'52	13°26	8° 7	11°24	25°45	11°25	6°47	28°45	23°50	0°47	20°10	21°29	15°22	0°44	S 6
S 7	1 5 24	14°26'17	26°57	9°52	11°33	26°28	11°24	6°47	28°43	23°50	0°47	20° 6	21°26	15°28	0°42	S 7
M 8	1 9 21	15°25'44	10 M .40	11°36	11°44	27°11	11°22	6°46	28°42	23°50	0°47	20° 4	21°23	15°35	0°40	M 8
T 9	1 13 17	16°25'13	24°34	13°20	11°57	27°54	11°20	6°46	28°40	23°50	0°47	20°D 4	21°20	15°42	0°39	T 9
W10	1 17 14	17°24'44	8 ∡ ³35	15° 4	12°12	28°37	11°18	6°46	28°39	23°50	0°47	20° 5	21°17	15°48	0°37	W10
T 11	1 21 10	18°24'16	22°42	16°47	12°29	29°20	11°16	6°D46	28°38	23°50	0°46	20° 6	21°13	15°55	0°35	T 11
F 12	1 25 7	19°23'51	6 ප 51	18°29	12°48	0중 3	11°13	6°46	28°36	23°50	0°46	20° 7	21°10	16° 2	0°33	F 12
S 13	1 29 3	20°23'27	21° 2	20°11	13° 9	0°46	11°11	6°46	28°35	23°51	0°46	20°R 8	21° 7	16° 9	0°32	S 13
S 14	1 33 0	21°23'05	5≈12	21°52	13°32	1°29	11° 8	6°47	28°34	23°51	0°46	20° 7	21° 4	16°15	0°30	S 14
M15	1 36 57	22°22'45	19°19	23°32	13°57	2°12	11° 5	6°47	28°33	23°51	0°45	20° 5	21° 1	16°22	0°29	M15
T 16	1 40 53	23°22'26	3 ∺ 22	25°12	14°23	2°56	11° 2	6°48	28°32	23°52	0°45	20° 2	20°58	16°29	0°27	T 16
W17	1 44 50	24°22'09	17°17	26°51	14°51	3°40	10°58	6°48	28°31	23°52	0°45	19°58	20°54	16°35	0°26	W17
T 18	1 48 46	25°21'53	1 Υ 1	28°30	15°20	4°23	10°55	6°49	28°30	23°52	0°44	19°54	20°51	16°42	0°25	T 18
F 19	1 52 43	26°21'40	14°31	OM 8	15°52	5° 7	10°51	6°50	28°29	23°53	0°44	19°51	20°48	16°49	0°23	F 19
S 20	1 56 39	27°21'29	27°46	1°45	16°24	5°51	10°47	6°51	28°28	23°53	0°43	19°48	20°45	16°55	0°22	S 20
S 21	2 0 36	28°21'19	10844	3°22	16°58	6°35	10°43	6°52	28°27	23°54	0°43	19°47	20°42	17° 2	0°21	S 21
M22	2 4 32	29°21'12	23°26	4°58	17°34	7°18	10°38	6°53	28°26	23°54	0°42	19°D47	20°39	17° 9	0°20	M22
T 23	2 8 29	0 M 21'07	5 Ⅱ 51	6°34	18°11	8° 2	10°34	6°54	28°26	23°55	0°42	19°48	20°35	17°16	0°19	T 23
W24	2 12 25	1°21'03	18° 2	8° 9	18°49	8°47	10°29	6°55	28°25	23°56	0°41	19°49	20°32	17°22	0°18	W24
T 25	2 16 22	2°21'02	0ණ 3	9°44	19°28	9°31	10°24	6°57	28°24	23°56	0°41	19°51	20°29	17°29	0°17	T 25
F 26	2 20 19	3°21'04	11°57	11°18	20° 9	10°15	10°19	6°58	28°24	23°57	0°40	19°52	20°26	17°36	0°16	F 26
S 27	2 24 15	4°21'07	23°48	12°52	20°51	10°59	10°14	7° 0	28°23	23°58	0°40	19°53	20°23	17°42	0°15	S 27
S 28	2 28 12	5°21'12	5 Ω 41	14°26	21°33	11°44	10° 8	7° 2	28°23	23°58	0°39	19°R53	20°19	17°49	0°14	S 28
M29	2 32 8	6°21'20	17°41	15°59	22°17	12°28	10° 3	7° 3	28°22	23°59	0°39	19°53	20°16	17°56	0°13	M29
T 30	2 36 5	7°21'29	29°53	17°31	23° 2	1 <u>3</u> °13	9°57	7° 5	28°22	2 <u>4</u> ° 0	0°38	19°52	20°13	18° 2	0°13	T 30
W31	2 40 1	8 M 21'41	12 Mp 20	19 M 4	23 m 48	13 る 57	9∏51	7≈ 7	28≈21	24중 1	0937	19 8 51	20810	1895 9	0) €12	W31

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M 1	3 s23	22n41 5n 4	1n58 1n49			21n21 0s52			20 s 59 0 n 2 4			18n14 26		
T 2	3 46	19 3 5 9	1 13 1 47	7 2 2 5 47 2	25 15 1 57	21 21 0 52	19 31 0 57	12 38 0 47	21 0 0 24	18 30 4 59	17 56	18 13 26	45 5	39 5 55
W 3	4 9	14 32 5 0	0 28 1 44					12 39 0 47	21 0 0 24	18 30 4 59	17 54	18 13 26	45 5	40 5 54
T 4	4 33	9 19 4 37	0s18 1 40					12 39 0 47				18 12 26		
F 5	4 56					21 20 0 52		12 40 0 47				18 11 26		
S 6	5 19	2s27 3 6	1 49 1 3	1 2 45 4 56 2	25 21 1 56	21 20 0 52	19 32 0 57	12 40 0 47	21 0 0 23	18 30 4 59	17 49	18 10 26	44 5	43 5 53
S 7	5 42	8 30 2 3	2 35 1 27	7 2 53 4 43	25 22 1 56	21 20 0 52	19 32 0 57	12 41 0 47	21 0 0 23	18 30 4 59	17 48	18 9 <mark>26</mark>	43 5	44 5 53
M 8	6 5	14 15 0 51	3 21 1 2	1 3 1 4 30 2	25 23 1 55	21 20 0 52	19 32 0 57	12 41 0 47	21 0 0 23	18 30 4 59	17 47	18 8 26	43 5	45 5 53
T 9	6 28	19 21 0s25	4 6 1 10	6 3 7 4 18 2	25 23 1 55	21 19 0 52	19 32 0 57	12 41 0 47	21 0 0 23	18 30 4 59	17 47	18 8 26	43 5	46 5 52
W10	6 51	23 25 1 40	4 52 1 1	1 3 13 4 5 2	25 23 1 55	21 19 0 52	19 32 0 57	12 42 0 47	21 0 0 23	18 30 4 59	17 48	18 7 <mark>26</mark>	43 5	47 5 52
T 11	7 14	26 6 2 49	5 37 1 3	5 3 18 3 53 2	25 23 1 54	21 19 0 52	19 32 0 57	12 42 0 47	21 0 0 23	18 30 4 59	17 48	18 6 26	42 5	48 5 52
F 12	7 36	27 6 3 48	6 21 0 59	9 3 22 3 41 2	25 23 1 54	21 18 0 52	19 32 0 57	12 43 0 47	21 0 0 23	18 30 4 59	17 48	18 5 26	42 5	49 5 51
S 13	7 59	26 21 4 34	7 5 0 53	3 3 25 3 29 2	25 22 1 53	21 18 0 52	19 32 0 57	12 43 0 47	21 0 0 23	18 30 4 59	17 49	18 4 <mark>26</mark>	42 5	50 5 51
S 14	8 21	23 54 5 3	7 49 0 40	6 3 27 3 17	25 22 1 53	21 17 0 52	19 32 0 57	12 44 0 47	21 0 0 23	18 30 4 59	17 48	18 3 26	41 5	50 5 51
M15	8 44	20 0 5 13	8 32 0 40	0 3 29 3 5 2	25 21 1 53	21 17 0 52	19 32 0 57	12 44 0 47	21 0 0 23	18 30 4 59	17 48	18 3 26	41 5	51 5 50
T 16	9 6	15 1 5 5	9 15 0 33	3 3 29 2 54 2	25 19 1 52	21 17 0 52	19 32 0 57	12 44 0 47	21 0 0 23	18 29 4 59	17 47	18 2 26	41 5	52 5 50
W17	9 28	9 18 4 39	9 57 0 2	7 3 29 2 42 2	25 18 1 52	21 16 0 52	19 31 0 57	12 45 0 47	20 59 0 23	18 29 4 59	17 46	18 1 26	40 5	53 5 50
T 18	9 50	3 13 3 57	10 39 0 20	0 3 28 2 31 2	25 16 1 51	21 16 0 52	19 31 0 57	12 45 0 47	20 59 0 23	18 29 5 0	17 45	18 0 26	40 5	54 5 49
F 19	10 12	2n56 3 2	11 20 0 13	3 3 26 2 20 2	25 14 1 51	21 15 0 52	19 31 0 57	12 45 0 47	20 59 0 23	18 29 5 0	17 44	17 59 <mark>26</mark>	40 5	54 5 49
S 20	10 33	8 52 1 58	12 0 0 7	7 3 23 2 10 2	25 11 1 50	21 14 0 52	19 31 0 57	12 45 0 47	20 59 0 23	18 29 5 0	17 43	17 58 <mark>26</mark>	39 5	55 5 49
S 21	10 55	14 17 0 50	12 40 0s 0	0 3 20 1 59 2	25 9 1 50	21 14 0 52	19 30 0 57	12 46 0 47	20 59 0 23	18 29 5 0	17 43	17 58 <mark>26</mark>	39 5	56 5 48
M22	11 16	18 59 0n20	13 18 0	7 3 15 1 49 2	25 6 1 49	21 13 0 52	19 30 0 57	12 46 0 47	20 59 0 23	18 29 5 0	17 43	17 57 <mark>26</mark>	38 5	57 5 48
T 23	11 37	22 45 1 28	13 57 0 13	3 3 10 1 39	25 3 1 49	21 13 0 52	19 30 0 57	12 46 0 47	20 59 0 23	18 29 5 0	17 43	17 56 <mark>26</mark>	38 5	57 5 48
W24	11 58	25 26 2 30	14 34 0 20	0 3 4 1 29 2	25 0 1 48	21 12 0 52	19 30 0 57	12 46 0 46	20 59 0 23	18 29 5 0	17 43	17 55 26	38 5	58 5 47
T 25	12 19	26 53 3 24	15 11 0 2						20 59 0 23			17 54 26		59 5 47
F 26	12 39	27 5 4 10	15 47 0 34	4 2 51 1 9 2	24 52 1 47	21 10 0 52	19 29 0 57	12 47 0 46	20 59 0 23	18 29 5 0	17 44	17 53 <mark>26</mark>	37 5	59 5 46
S 27	13 0	26 3 4 44	16 22 0 40	0 2 43 1 0 2	24 48 1 47	21 10 0 52	19 28 0 57	12 47 0 46	20 59 0 23	18 29 5 0	17 45	17 53 <mark>26</mark>	36 6	0 5 46
S 28	13 20	23 50 5 7	16 56 0 47	7 2 34 0 51 2	24 44 1 46	21 9 0 52	19 28 0 57	12 47 0 46	20 59 0 23	18 29 5 0	17 45	17 52 <mark>26</mark>	36 6	1 5 46
M29	13 40	20 34 5 16	17 30 0 53	3 2 25 0 42 2	24 39 1 46	21 8 0 52	19 27 0 57	12 47 0 46	20 59 0 23	18 29 5 0	17 45	17 51 26	35 6	1 5 45
T 30	14 0							12 47 0 46	20 58 0 23			17 50 <mark>26</mark>		2 5 45
W31	14 s19	11n27 4n52	18s34 1s (6 2n 5 0s25	24 s29 1 s45	21n 6 0s52	19s26 0s57	12 s47 0 s46	20 s58 0n23	18n29 5s 0	17n44	17n49 26	n35 6s	3 5n45

Julian Day Number = 2330558.5, Delta T = 30.55 sec Ecliptic obliquity = $23^{\circ}29'03$, Nutation = - $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}07'00$, Lahiri = $19^{\circ}14'00$ Greg. Calendar

NOVEMBER 1668 GC 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	♂ [™]	4	ħ)મ(卉	В	S.	v	Ç	Ŗ	Day
T 1	2 43 58	9 M 21'55	25 mg 6	20 M .36	24 Mp 35	14 궁 42	9°R45	7≈ 9	28°R21	24중 2	0°R37	19°R49	20 8 7	189516	0°R12	T 1
F 2	2 47 54	10°22'10	8 ≏ 14	22° 7	25°23	15°27	9∏39	7°12	28≈21	24° 3	0ഇ36	19 8 48	20° 4	18°23	0 ∀ 11	F 2
S 3	2 51 51	11°22'28	21°43	23°38	26°12	16°11	9°33	7°14	28°21	24° 4	0°35	19°47	20° 0	18°29	0°11	S 3
S 4	2 55 48	12°22'47	5 M .33	25° 9	27° 1	16°56	9°26	7°16	28°20	24° 5	0°34	19°46	19°57	18°36	0°10	S 4
M 5	2 59 44	13°23'09	19°41	26°39	27°52	17°41	9°20	7°19	28°20	24° 6	0°34	19°D46	19°54	18°43	0°10	M 5
T 6	3 3 41	14°23'32	4 ₹ 3	28° 9	28°43	18°26	9°13	7°21	28°20	24° 7	0°33	19°46	19°51	18°49	0°10	T 6
W 7	3 7 37	15°23'56	18°33	29°39	29°35	19°11	9° 6	7°24	28°D20	24° 8	0°32	19°46	19°48	18°56	0°10	W 7
T 8	3 11 34	16°24'23	3ਰ 5	1 ₹ 8	0 ჲ 28	19°56	8°59	7°27	28°20	24° 9	0°31	19°47	19°45	19° 3	0° 9	T 8
F 9	3 15 30	17°24'50	17°35	2°37	1°21	20°41	8°52	7°30	28°20	24°10	0°30	19°47	19°41	19° 9	0°D 9	F 9
S 10	3 19 27	18°25'19	1≈58	4° 5	2°15	21°27	8°45	7°33	28°20	24°11	0°30	19°47	19°38	19°16	0° 9	S 10
S 11	3 23 24	19°25'49	16°10	5°33	3°10	22°12	8°38	7°36	28°21	24°12	0°29	19°47	19°35	19°23	0° 9	S 11
M12	3 27 20	20°26'21	0 ∺ 10	7° 0	4° 5	22°57	8°30	7°39	28°21	24°13	0°28	19°47	19°32	19°30	0°10	M12
T 13	3 31 17	21°26'53	13°56	8°27	5° 1	23°43	8°23	7°42	28°21	24°15	0°27	19°47	19°29	19°36	0°10	T 13
W14	3 35 13	22°27'27	27°28	9°53	5°57	24°28	8°15	7°45	28°21	24°16	0°26	19°47	19°25	19°43	0°10	W14
T 15	3 39 10	23°28'02	10 Ƴ 46	11°19	6°54	25°13	8° 7	7°49	28°22	24°17	0°25	19°48	19°22	19°50	0°10	T 15
F 16	3 43 6	24°28'39	23°50	12°44	7°52	25°59	8° 0	7°52	28°22	24°19	0°24	19°48	19°19	19°56	0°11	F 16
S 17	3 47 3	25°29'16	6841	14° 7	8°50	26°44	7°52	7°56	28°23	24°20	0°23	19°49	19°16	20° 3	0°11	S 17
S 18	3 50 59	26°29'56	19°20	15°30	9°49	27°30	7°44	8° 0	28°23	24°21	0°22	19°R49	19°13	20°10	0°12	S 18
M19	3 54 56	27°30'36	1 Ⅱ 46	16°52	10°48	28°15	7°36	8° 3	28°24	24°23	0°21	19°49	19°10	20°17	0°12	M19
T 20	3 58 52	28°31'18	14° 2	18°13	11°47	29° 1	7°28	8° 7	28°25	24°24	0°20	19°48	19° 6	20°23	0°13	T 20
W21	4 2 49	29°32'01	26° 8	19°33	12°48	29°47	7°20	8°11	28°25	24°26	0°19	19°47	19° 3	20°30	0°13	W21
T 22	4 6 46	0 ∡ ³32'46	8 9 6	20°50	13°48	0≈32	7°12	8°15	28°26	24°27	0°18	19°45	19° 0	20°37	0°14	T 22
F 23	4 10 42	1°33'32	19°59	22° 6	14°49	1°18	7° 4	8°19	28°27	24°29	0°17	19°44	18°57	20°43	0°15	F 23
S 24	4 14 39	2°34'20	1 Ω 49	23°20	15°51	2° 4	6°56	8°23	28°28	24°30	0°16	19°42	18°54	20°50	0°16	S 24
S 25	4 18 35	3°35'09	13°42	24°32	16°52	2°50	6°48	8°28	28°29	24°32	0°15	19°40	18°51	20°57	0°17	S 25
M26	4 22 32	4°36'00	25°40	25°41	17°55	3°35	6°40	8°32	28°30	24°34	0°14	19°39	18°47	21° 3	0°18	M26
T 27	4 26 28	5°36'52	7 m 48	26°47	18°57	4°21	6°31	8°37	28°31	24°35	0°13	19°D39	18°44	21°10	0°19	T 27
W28	4 30 25	6°37'45	20°11	27°49	20° 0	5° 7	6°23	8°41	28°32	24°37	0°12	19°40	18°41	21°17	0°20	W28
T 29	4 34 22	7°38'39	2 Ω 53	28°47	21° 4	5°53	6°15	8°46	28°33	24°38	0°11	19°41	18°38	21°24	0°21	T 29
F 30	4 38 18	8 .⁄ 39'35	15 ≏ 58	29 × 140	22 ♀ 7	6≈39	6 I 7	8≈50	28≈34	24 궁 40	09୍ତ10	19 8 42	18 8 35	21930	0 ∺ 22	F 30

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T 1 F 2 S 3	14 s38 14 57 15 16	0s 3 3 3	19 19s 5 30 19 35 29 20 4	1 s12 1n5 1 18 1 4 1 24 1 3	2 0 9	24 s24 24 18 24 12	1 43	21n 6 21 5 21 4		19 s 2 6 19 2 5 19 2 5	0 57	12 s48 12 48 12 48	0 46	20 s58 20 58 20 58	0 23	18n29 18 29 18 29	5s 0 5 0 5 0	17 43	17n48 17 47 17 47	26 34	6s 3 5n44 6 4 5 44 6 4 5 43
S 4 M 5 T 6 W 7	15 53 16 11 16 29	17 41 0 22 17 1 st 25 32 2 3	18 20 32 0 20 59 18 21 25 33 21 50	1 40 0 5 1 46 0 3	4 0 14 0 0 21 5 0 28	23 59 23 53 23 46	1 42 1 41 1 40	21 1 21 0	0 52 0 52 0 52	19 23 19 22	0 57 0 56 0 56	12 48 12 48	0 46 0 46 0 46	20 58 20 58 20 57 20 57	0 23 0 23 0 23	18 29 18 29	5 0 5 0 5 0 5 0	17 43 17 43 17 43	17 46 17 45 17 44 17 43	26 32 26 32 26 31	6 5 5 43 6 5 5 43 6 6 5 42 6 6 5 42
T 8 F 9 S 10 S 11		26 46 4 2 24 40 5	38 22 14 29 22 36 2 22 58 17 23 18	1 51 0 2 1 55 0 2 0 0s1 2 4 0 2	5 0 41 0 0 47	23 39 23 31 23 24 23 16	1 39 1 38	20 59 20 58 20 57 20 56	0 52 0 52	19 21 19 20 19 20 19 19	0 56 0 56	12 48 12 47 12 47 12 47	0 46 0 46	20 57 20 57 20 57 20 57	0 23 0 23 0 23 0 23	18 29 18 28		17 43 17 43	17 42 17 41 17 41 17 40	26 30 26 30	6 6 5 41 6 7 5 41 6 7 5 41 6 7 5 40
M12 T 13 W14 T 15 F 16 S 17	17 53 18 9 18 25 18 40 18 55	16 18 5 1 10 47 4 5 4 51 4 1 1n12 3 2 7 7 2 1	17 23 18 12 23 38 50 23 56 11 24 12 20 24 28 19 24 42 12 24 55	2 8 0 4	3 1 0 0 1 5 7 1 11 5 1 16 3 1 22	23 7 22 59 22 50 22 41 22 32 22 23	1 37 1 37 1 36 1 35 1 35	20 56 20 55 20 54 20 52 20 51 20 50 20 49	0 52 0 52 0 52 0 52 0 52 0 51	19 18 19 17 19 16 19 15	0 56 0 56 0 56 0 56 0 56	12 47 12 47 12 47	0 46 0 46 0 46 0 46 0 46	20 56 20 56 20 56 20 56 20 56 20 56 20 55	0 23	18 28 18 28 18 28 18 28 18 28	5 1 5 1 5 1 5 1 5 1 5 1 5 1	17 43 17 43 17 43 17 43 17 43	17 40 17 39 17 38 17 37 17 36 17 35 17 34	26 28 26 28 26 27 26 27 26 26	6 8 5 40 6 8 5 39 6 8 5 39 6 9 5 39 6 9 5 38 6 9 5 38
S 18 M19 T 20 W21 T 22 F 23 S 24	19 24 19 38 19 52 20 5 20 18 20 31	17 33 0 21 38 1n 24 41 2 1 26 33 3 27 10 3 5 26 31 4 3	3 25 6 6 25 16 10 25 25 8 25 32 57 25 38 35 25 42 1 25 45	2 25 2 3 2 27 2 4	0 1 31 8 1 36 8 1 41 7 1 45 7 1 49 7 1 53	22 13	1 33 1 32 1 32 1 31 1 30 1 30	20 48 20 47 20 45 20 44 20 43 20 42 20 41	0 51 0 51 0 51	19 13 19 12 19 11 19 9 19 8 19 7	0 56 0 56 0 56 0 56 0 56 0 56	12 46 12 46 12 46 12 45 12 45	0 46 0 46 0 46 0 45 0 45 0 45	20 55 20 55 20 55 20 54 20 54 20 54 20 54	0 22 0 22 0 22 0 22 0 22 0 22	18 28 18 28 18 28 18 28 18 28 18 28	5 1 5 1 5 1 5 1 5 1 5 1 5 1	17 43 17 43 17 43 17 43 17 42 17 42	17 34 17 33 17 32 17 31 17 30 17 29 17 28	26 25 26 24 26 24 26 23 26 23 26 22	6 9 5 38 6 10 5 37 6 10 5 37 6 10 5 36 6 10 5 36 6 10 5 36 6 10 5 35
S 25 M26 T 27 W28 T 29 F 30	20 55 21 6 21 17 21 27 21 38	21 45 5 1 17 55 5 1 13 18 5 8 4 4 3 2 23 3 5	14 25 46 14 25 46 0 25 45 32 25 41 51 25 37 56 25 831	2 24 4 4	7 2 0 8 2 4 9 2 7 0 2 10 1 2 13	21 0 20 48	1 28 1 27 1 27 1 26 1 25	20 39 20 38 20 37 20 36 20 34 20n33	0 51 0 50 0 50 0 50 0 50	19 5 19 4 19 3 19 2	0 56 0 56 0 56 0 56 0 56	12 44 12 44	0 45 0 45 0 45 0 45 0 45	20 53 20 53 20 53 20 53 20 53 20 52 20 52	0 22 0 22 0 22 0 22 0 22	18 28 18 28 18 28 18 28	5 1 5 1 5 1 5 1 5 1	17 41 17 41 17 41 17 41 17 41	17 28 17 27 17 26	26 21 26 20 26 19 26 19 26 18	6 10 5 35 6 10 5 34 6 10 5 34 6 10 5 34 6 10 5 33 6 10 5 33

 $\label{eq:Julian Day Number = 2330589.5, Delta T = 30.49 sec} \\ Ecliptic obliquity = 23°29'03, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°07'04, Lahiri = 19°14'04Greg. Calendar \\ \\$

DECEMBER 1668 GC 00:00 UT

DECE	HIDEN 3	LUUU UC													00.0	
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ф(并	В	S.	v	Ç	ķ	Day
S 1	4 42 15	9 ∡ 140'33	29 2 29	0중28	23 ₽ 11	7≈25	5°R59	8≈55	28≈35	24 궁 42	0°R 9	19 8 44	18 8 31	21937	0 ∺ 23	S 1
S 2	4 46 11	10°41'31	13 M .26	1°10	24°16	8°11	5 Ⅱ 50	9° 0	28°36	24°44	0ණ 8	19°R44	18°28	21°44	0°25	S 2
M 3	4 50 8	11°42'31	27°48	1°45	25°20	8°57	5°42	9° 5	28°38	24°45	0° 6	19°44	18°25	21°50	0°26	M 3
T 4	4 54 4	12°43'31	12 × 31	2°13	26°25	9°43	5°34	9°10	28°39	24°47	0° 5	19°43	18°22	21°57	0°28	T 4
W 5	4 58 1	13°44'33	27°26	2°32	27°30	10°29	5°26	9°15	28°40	24°49	0° 4	19°41	18°19	22° 4	0°29	W 5
T 6	5 1 57	14°45'36	12 云 27	2°R41	28°36	11°15	5°18	9°20	28°42	24°51	0° 3	19°37	18°16	22°11	0°31	T 6
F 7	5 5 54	15°46'39	27°24	2°40	29°42	12° 1	5°10	9°25	28°43	24°53	0° 2	19°34	18°12	22°17	0°32	F 7
S 8	5 9 51	16°47'43	12≈ 9	2°29	0 M .48	12°47	5° 2	9°30	28°45	24°55	0° 1	19°30	18° 9	22°24	0°34	S 8
S 9	5 13 47	17°48'47	26°36	2° 6	1°54	13°33	4°55	9°35	28°47	24°56	29∏59	19°27	18° 6	22°31	0°36	S 9
M10	5 17 44	18°49'51	10) (41	1°31	3° 1	14°19	4°47	9°41	28°48	24°58	29°58	19°26	18° 3	22°37	0°37	M10
T 11	5 21 40	19°50'56	24°24	0°45	4° 7	15° 5	4°39	9°46	28°50	25° 0	29°57	19°D26	18° 0	22°44	0°39	T 11
W12	5 25 37	20°52'01	7 Y 45	29 ∡ ¹48	5°14	15°51	4°32	9°52	28°52	25° 2	29°56	19°27	17°57	22°51	0°41	W12
T 13	5 29 33	21°53'06	20°47	28°41	6°21	16°38	4°24	9°57	28°53	25° 4	29°55	19°28	17°53	22°58	0°43	T 13
F 14	5 33 30	22°54'12	3 8 33	27°27	7°29	17°24	4°17	10° 3	28°55	25° 6	29°53	19°30	17°50	23° 4	0°45	F 14
S 15	5 37 26	23°55'18	16° 4	26° 8	8°36	18°10	4°10	10° 8	28°57	25° 8	29°52	19°R31	17°47	23°11	0°47	S 15
S 16	5 41 23	24°56'25	28°25	24°45	9°44	18°56	4° 2	10°14	28°59	25°10	29°51	19°30	17°44	23°18	0°49	S 16
M17	5 45 20	25°57'32	10 II 36	23°23	10°52	19°42	3°55	10°20	29° 1	25°12	29°50	19°28	17°41	23°24	0°51	M17
T 18	5 49 16	26°58'39	22°40	22° 3	12° 0	20°28	3°48	10°26	29° 3	25°14	29°49	19°24	17°37	23°31	0°53	T 18
W19	5 53 13	27°59'46	4939	20°49	13° 9	21°15	3°42	10°32	29° 5	25°16	29°47	19°18	17°34	23°38	0°56	W19
T 20	5 57 9	2 <u>9</u> ° 0'54	16°33	19°41	14°17	22° 1	3°35	10°38	29° 7	25°18	29°46	19°11	17°31	23°45	0°58	T 20
F 21	6 1 6	0중 2'03	28°25	18°43	15°26	22°47	3°28	10°44	29° 9	25°21	29°45	19° 3	17°28	23°51	1° 0	F 21
S 22	6 5 2	1° 3'11	10 Ω 16	17°54	16°35	23°33	3°22	10°50	29°11	25°23	29°44	18°54	17°25	23°58	1° 3	S 22
S 23	6 8 59	2° 4'21	22° 9	17°16	17°44	24°19	3°16	10°56	29°13	25°25	29°43	18°47	17°22	24° 5	1° 5	S 23
M24	6 12 56	3° 5'30	4 Mp 7	16°49	18°53	25° 5	3° 9	11° 2	29°16	25°27	29°41	18°41	17°18	24°11	1° 8	M24
T 25	6 16 52	4° 6'40	16°13	16°31	20° 3	25°52	3° 3	11° 8	29°18	25°29	29°40	18°37	17°15	24°18	1°10	T 25
W26	6 20 49	5° 7'50	28°32	16°D24	21°12	26°38	2°58	11°14	29°20	25°31	29°39	18°35	17°12	24°25	1°13	W26
T 27	6 24 45	6° 9'00	11 ♀ 7	16°26	22°22	27°24	2°52	11°21	29°23	25°33	29°38	18°D35	17° 9	24°32	1°15	T 27
F 28	6 28 42	7°10'11	24° 4	16°37	23°32	28°10	2°46	11°27	29°25	25°36	29°37	18°36	17° 6	24°38	1°18	F 28
S 29	6 32 38	8°11'22	7 M 27	16°56	24°42	28°56	2°41	11°33	29°27	25°38	29°35	18°37	17° 3	24°45	1°21	S 29
S 30	6 36 35	9°12'34	21°17	17°22	25°52	29°42	2°36	11°40	29°30	25°40	29°34	18°R38	16°59	24°52	1°23	S 30
M31	6 40 31	10 ට 13'46	5 ₹ 37	17 ₹ 55	27 m 2	0 ∺ 28	2 Ⅱ 31	11 ≈ 46	29≈32	25 궁 42	29∏33	18 8 36	16 8 56	24958	1 ∺ 26	M31

Day	0	J)	ζ	5	ç)	a	и	2	+	ħ	l);	j ((Е)	v	Ω	Ç	J	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	21 s57	9 s 3 6	1n49	25 s23	1 s54	6s53	2n18	19 s48	1 s24	20n32	0 s50	18 s 5 8	0s56	12 s42	0 s45	20 s52	0n22	18n28	5 s 1	17n42	17n22	26n17	6s10	5n32
S 2	22 5	15 21	0 35	25 14	1 46	7 14	2 21	19 35	1 23	20 30	0 50	18 57	0 56	12 41	0 45	20 51	0 22	18 28	5 1	17 42	17 21	26 16	6 10	5 32
M 3	22 14	20 26	0 s 44	25 4	1 36	7 36	2 23	19 23	1 22	20 29	0 49	18 55	0 56	12 41	0 45	20 51	0 22	18 28	5 1	17 42	17 21	26 15	6 10	5 32
T 4		24 21		24 52	1 24	7 57	-					18 54		-		20 51	0 22	18 28				26 14	6 10	
W 5		26 40		24 39	1 12	8 19		18 56		20 27		18 53		12 40		20 51	0 22	18 28				26 14	6 9	
T 6	22 37			24 25	0 58	8 41	2 29	18 43		20 25		18 51		12 39		20 50	0 22	18 28				26 13	6 9	
F 7	22 43			24 10	0 43	9 2				20 24		18 50		12 38		20 50	0 22	18 28				26 12	6 9	
S 8	22 50	22 9	5 11	23 54	0 26	9 24	2 32	18 15	1 18	20 23	0 49	18 49	0 56	12 38	0 45	20 50	0 22	18 28	5 1	17 38	17 16	26 11	6 9	5 30
S 9	22 55	17 32	5 11	23 36	0 8	9 45	2 33	18 1	1 18	20 22	0 48	18 47	0 56	12 37	0 45	20 49	0 22	18 29	5 1	17 38	17 15	26 11	6 9	5 29
M10	23 1	12 4	4 52	23 18	0n10	10 7	2 35	17 47	1 17	20 20	0 48	18 46	0 56	12 37	0 45	20 49	0 22	18 29	5 0	17 37	17 14	26 10	6 8	5 29
T 11	23 6	6 10	4 17	22 59	0 30	10 28	2 36	17 33	1 16	20 19	0 48	18 44	0 56	12 36	0 45	20 49	0 22	18 29	5 0	17 37	17 13	26 9	6 8	5 29
W12	23 10	0 7	3 29	22 39	0 50	10 50	2 37	17 19	1 15	20 18	0 48	18 43	0 56	12 35	0 45	20 48	0 22	18 29	5 0	17 37	17 13	26 8	6 8	5 28
T 13	23 14	-		22 18	1 10		2 38			20 17		18 41		12 35		20 48	0 22	18 29		17 38		26 8	6 7	5 28
F 14	23 18			21 58	1 30			16 49		20 16		18 40		12 34		20 48	0 22	18 29		17 38			6 7	5 28
S 15	23 21	16 23	0 19	21 37	1 49	11 53	2 39	16 34	1 13	20 15	0 47	18 38	0 56	12 33	0 45	20 47	0 22	18 29	5 0	17 39	17 10	26 6	6 7	5 27
S 16	23 23	20 38	0n48	21 17	2 6	12 14	2 39	16 19	1 12	20 13	0 47	18 37	0 56	12 33	0 45	20 47	0 22	18 29	5 0	17 38	17 9	26 5	6 6	5 27
M17	23 25	23 56	1 52	20 58	2 22	12 35	2 39	16 4	1 11	20 12	0 47	18 35	0 56	12 32	0 45	20 47	0 22	18 29	5 0	17 38	17 8	26 4	6 6	5 27
T 18	23 27	26 7	2 50	20 40	2 35	12 56		15 48		20 11	0 47	18 34	0 56	12 31	0 45	20 46	0 22	18 29		17 37		26 4	6 5	5 26
W19				-				15 33		20 10		18 32		12 31		20 46	0 22			17 35		26 3	6 5	
T 20		26 46		20 11		13 37		15 17		20 9		18 30		12 30		20 45	0 22			17 33		26 2	6 4	
F 21		25 14								20 8		18 29		12 29		20 45	0 22			17 31		26 1	6 4	
S 22	23 29	22 35	5 5	19 52	3 5	14 17	2 39	14 45	1 7	20 7	0 46	18 27	0 56	12 28	0 44	20 45	0 22	18 29	5 0	17 29	17 4	26 0	6 3	5 25
S 23	23 28	19 0	5 8	19 47	3 6	14 37	2 38	14 29	1 6	20 6	0 46	18 25	0 56	12 27	0 44	20 44	0 22	18 29	5 0	17 27	17 3	25 59	6 3	5 25
M24	23 27	14 38	4 57	19 44	3 6	14 56	2 38	14 13	1 5	20 5	0 45	18 24	0 56	12 27	0 44	20 44	0 22	18 29	5 0	17 25	17 2	25 58	6 2	5 24
T 25	23 25	9 39	4 34	19 45	3 4	15 16	2 37	13 56	1 5	20 4	0 45	18 22	0 56	12 26	0 44	20 44	0 22	18 29	5 0	17 24	17 1	25 58	6 2	5 24
	23 23	4 12				15 35	2 36	13 40	1 4	20 3	0 45	18 20		12 25		20 43	0 22	18 29		17 23			6 1	5 24
T 27	23 20			19 52				13 23		20 2	0 45			12 24		20 43	0 22	18 29				25 56	6 0	
F 28	23 17			19 59			2 34			20 1	0 45			12 23		20 42	0 22	18 29				25 55	6 0	5 23
S 29	23 14	13 5	1 0	20 7	2 44	16 30	2 33	12 49	1 1	20 1	0 44	18 15	0 56	12 22	0 44	20 42	0 22	18 29	5 0	17 24	16 57	25 54	5 59	5 23
S 30	23 10			20 16		16 48		12 32		20 0		18 13		12 22	-	20 42	0 22					25 53	5 58	
M31	23 s 5	22 s45	1 s30	$20\mathrm{s}27$	2n30	17s 5	2n31	12 s15	1s 0	19n59	0 s44	18s11	0s56	12 s21	0 s44	20 s41	0n22	18n30	4 s 5 9	17n24	16n56	25n52	5 s 5 8	5n22

 $\label{eq:Julian Day Number = 2330619.5, Delta T = 30.44 sec} \\ Ecliptic obliquity = 23°29'02, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°07'08, Lahiri = 19°14'09Greg. Calendar \\ \\$