

# Astrodienst Ephemeris Tables for the year 1670

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 1670 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	♂ <sup>™</sup>	4	ħ	)∤(	<del>,</del>	Р	R	Ω	Ç	ķ	Day
W 1	6 43 31	11중 0'14	9 <b>8</b> 5	22 🗗 2	24≈10	6M 8	10°R24	22≈25	3 <b>¥</b> 23	27 <b>ප්</b> 51	0°R40	28°R34	27 <b>Y</b> 33	5 <b>m</b> ) 56	5 <b></b> ₩32	W 1
T 2	6 47 27	12° 1'24	22°22	23°26	25°21	6°44	109516	22°31	3°25	27°53	0939	28 <b>Y</b> 31	27°30	6° 3	5°35	T 2
F 3	6 51 24	13° 2'33	5 <b>Ⅱ</b> 28	24°52	26°31	7°19	10° 8	22°37	3°28	27°55	0°37	28°26	27°27	6°10	5°38	F 3
S 4	6 55 21	14° 3'42	18°24	26°18	27°40	7°55	10° 0	22°44	3°30	27°58	0°36	28°18	27°24	6°17	5°40	S 4
S 5	6 59 17	15° 4'51	195 9	27°44	28°50	8°31	9°52	22°50	3°33	28° 0	0°35	28° 7	27°21	6°23	5°43	S 5
M 6	7 3 14	16° 5'59	13°43	29°12	29°59	9° 6	9°44	22°56	3°36	28° 2	0°34	27°54	27°17	6°30	5°46	M 6
T 7	7 7 10	17° 7'06	26° 7	0540	1 <b>米</b> 9	9°42	9°36	23° 2	3°38	28° 4	0°33	27°40	27°14	6°37	5°49	T 7
W 8	7 11 7	18° 8'14	$8\Omega 20$	2° 9	2°18	10°17	9°28	23° 9	3°41	28° 7	0°32	27°26	27°11	6°43	5°52	W 8
T 9	7 15 3	19° 9'21	20°24	3°38	3°28	10°53	9°20	23°15	3°43	28° 9	0°30	27°13	27° 8	6°50	5°54	T 9
F 10	7 19 0	20°10'28	2 Mp 19	5° 8	4°37	11°28	9°12	23°22	3°46	28°11	0°29	27° 2	27° 5	6°57	5°57	F 10
S 11	7 22 57	21°11'34	14° 9	6°38	5°45	12° 4	9° 4	23°28	3°49	28°13	0°28	26°54	27° 2	7° 3	6° 0	S 11
S 12	7 26 53	22°12'40	25°57	8° 9	6°54	12°39	8°57	23°35	3°52	28°16	0°27	26°50	26°58	7°10	6° 3	S 12
M13	7 30 50	23°13'45	7 <b>≏</b> 48	9°41	8° 2	13°14	8°49	23°41	3°54	28°18	0°26	26°47	26°55	7°17	6° 7	M13
T 14	7 34 46	24°14'51	19°47	11°13	9°11	13°49	8°41	23°48	3°57	28°20	0°25	26°47	26°52	7°23	6°10	T 14
W15	7 38 43	25°15'56	1 <b>M</b> 58	12°45	10°19	14°25	8°34	23°55	4° 0	28°23	0°24	26°47	26°49	7°30	6°13	W15
T 16	7 42 39	26°17'00	14°28	14°19	11°27	15° 0	8°27	24° 1	4° 3	28°25	0°23	26°46	26°46	7°37	6°16	T 16
F 17	7 46 36	27°18'05	27°22	15°53	12°34	15°35	8°19	24° 8	4° 6	28°27	0°22	26°43	26°43	7°44	6°19	F 17
S 18	7 50 32	28°19'09	10 <b>∡</b> 43	17°27	13°42	16°10	8°12	24°15	4° 9	28°29	0°20	26°39	26°39	7°50	6°22	S 18
S 19	7 54 29	29°20'12	24°33	19° 2	14°49	16°45	8° 5	24°22	4°12	28°32	0°19	26°31	26°36	7°57	6°26	S 19
M20	7 58 26	0≈21'15	8 <b>궁</b> 52	20°38	15°56	17°20	7°58	24°28	4°15	28°34	0°18	26°21	26°33	8° 4	6°29	M20
T 21	8 2 22	1°22'17	23°35	22°14	17° 3	17°55	7°51	24°35	4°18	28°36	0°17	26° 9	26°30	8°10	6°32	T 21
W22	8 6 19	2°23'18	8≈34	23°51	18° 9	18°29	7°44	24°42	4°21	28°38	0°16	25°57	26°27	8°17	6°36	W22
T 23	8 10 15	3°24'18	23°39	25°28	19°16	19° 4	7°38	24°49	4°24	28°41	0°15	25°46	26°23	8°24	6°39	T 23
F 24	8 14 12	4°25'17	8 <b>)</b> (41	27° 6	20°22	19°39	7°31	24°56	4°27	28°43	0°14	25°37	26°20	8°30	6°42	F 24
S 25	8 18 8	5°26'14	23°31	28°45	21°28	20°13	7°25	25° 3	4°30	28°45	0°13	25°31	26°17	8°37	6°46	S 25
S 26	8 22 5	6°27'11	8 <b>Υ</b> 2	0≈25	22°33	20°48	7°18	25°10	4°33	28°48	0°12	25°28	26°14	8°44	6°49	S 26
M27	8 26 1	7°28'06	22°11	2° 5	23°39	21°22	7°12	25°17	4°36	28°50	0°11	25°D27	26°11	8°50	6°53	M27
T 28	8 29 58	8°29'00	5 <b>8</b> 57	3°46	24°44	21°57	7° 6	25°24	4°39	28°52	0°11	25°R27	26° 8	8°57	6°56	T 28
W29	8 33 55	9°29'52	19°23	5°27	25°49	22°31	7° 0	25°31	4°43	28°54	0°10	25°27	26° 4	9° 4	7° 0	W29
T 30	8 37 51	10°30'43	2 <b>∐</b> 31	7°10	26°53	23° 5	6°55	25°38	4°46	28°57	0° 9	25°25	26° 1	9°11	7° 4	T 30
F 31	8 41 48	11≈31'33	15Ⅲ22	8 <b>≈</b> 53	27 <b>米</b> 57	23 <b>M</b> 39	69549	25≈45	4 <b>) (</b> 49	28 <b>궁</b> 59	०७ ८	25 <b>Y</b> 21	25 <b>Y</b> 58	9 <b>m</b> 17	7 <b>₩</b> 7	F 31

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T 2 F 3	22 56			23 5		14 36		12 41		23 11		15 19				20 20	0 18		-	10 58			4 46	5 4
S 4	22 51 22 44	24 14 26 49	-	23 17 23 27	0 6 0s 1	14 10 13 43		12 53 13 5		23 12 23 13		5 15 1° 5 15 1°				20 20 20 19	0 18 0 18			10 56 10 53		13 0 12 57	4 45 4 44	5 4 5 4
S 5		27 57		23 37	0 9			13 16		23 13						20 19		18 50				12 54	4 43	5 4
M 6		27 36		23 45	0 16		-	13 28		23 14	0	-				20 18	0 18			10 45			4 43	5 3
T 7	22 23	25 52	5 0	23 52	0 23	12 21		13 40	1 9	23 15	0 7	15 8	1 21	10 53	0 45	20 18	0 18	18 50	4 39	10 40	10 31	12 48	4 42	5 3
W 8	22 15	22 57	4 54	23 58	0 30	11 53	1 18	13 51	1 8	23 16	0 7	15 (	1 21	10 52	0 44	20 17	0 18	18 50	4 39	10 35	10 29	12 45	4 41	5 3
T 9	22 7	19 5	4 36	24 3	0 37	11 25	1 15	14 2	1 8	23 16	0 7	7 15 4	1 21	10 51	0 44	20 17	0 18	18 50	4 39	10 30	10 28	12 42	4 40	5 3
		14 29		24 7	0 44			14 14		23 17		15 2			-	20 17	0 18					12 39	4 39	5 2
S 11	21 49	9 24	3 25	24 9	0 50	10 28	1 8	14 25	1 8	23 18	0 7	7 15 (	1 21	10 49	0 44	20 16	0 18	18 50	4 39	10 23	10 26	12 36	4 39	5 2
S 12	21 39	3 59	2 35	24 10	0 56	10 0	1 5	14 36	1 7	23 18	0 7	14 58	1 21	10 48	0 44	20 16	0 18	18 50	4 39	10 22	10 25	12 33	4 38	5 2
M13	21 29			24 10	1 2	9 31	1 1	14 47	1 7		0 8	14 5			-	20 15	0 18	18 50		-		12 30	4 37	5 1
T 14	21 18	7 11		24 9	1 8	9 1		14 58	1 7		0 8					20 15	0 18			10 21			4 36	5 1
W15	21 7	12 37		24 6	1 14	8 32		15 8		23 20	0 8				-		0 18			10 21			4 35	5 1
T 16	20 56		-		1 19	8 2		15 19		23 21	0 8			-			0 18					12 20	4 34	5 1
F 17	20 44	-	2 34		1 24	7 33		15 29		23 21	0 8				-	20 13	0 18					12 17	4 33	5 1
S 18	20 32	25 33	3 30	23 49	1 29	7 3	0 41	15 40	1 5	23 22	0 8	14 4	1 21	10 42	0 44	20 13	0 18	18 51	4 38	10 18	10 18	12 14	4 32	5 0
S 19		27 37	-	23 41	1 34	6 33		15 50		23 23	0 8			10 41		20 13		18 51		10 15			4 31	5 0
M20	20 7	27 57	-	23 31	1 38	6 3	0 32	16 0	1 5		0 8					20 12	0 18			10 11		-	4 30	5 0
T 21	19 54			23 19	1 42	5 33		16 10	1 4	_	0 9			10 38		20 12	0 18		4 38		10 14		4 29	5 0
W22		22 52	4 53	-	1 46	5 2		16 20	1 4	_		14 3:		10 37	-	20 11		18 51	4 38		10 13		4 28	4 59
T 23		17 50	4 26		1 49	4 32		16 30		23 25		14 33			-	20 11	0 17	18 51	4 38			11 59	4 27	4 59
F 24		11 44		22 37	1 52	4 1		16 40		23 25		14 30				20 10	0 17		4 37			11 56	4 26	4 59
S 25	18 57	-	2 40	22 20	1 55	3 31	0 8	16 50		23 26		14 28		10 34	-	20 10	0 17	18 52	4 37	9 53	10 10	11 53	4 25	4 59
S 26	18 42	-	1 31		1 58	3 0		16 59		23 26		14 20		10 33				18 52	4 37	9 52		11 50	4 24	4 59
M27	18 26			21 41	2 0	2 30	-	17 9		23 27	0 9				-		0 17		4 37	9 52		11 47	4 23	4 58
T 28	18 11			21 19	2 1	1 59		17 18	1 1	23 27		14 2			-		0 17	18 52	4 37	9 52		11 44	4 22	4 58
W29	17 55					1 28		17 27	1 1	23 27	0 10				-		0 17	18 52	4 37	9 52		11 41	4 21	4 58
T 30		23 41	-		2 4	0 58		17 36		23 28	0 10				-		0 17	18 52	4 37	9 51		11 37	4 19	4 58
F 31	17s21	26n31	3n52	20s 4	2s 4	0 s27	0n24	17 s45	In 0	23n28	0n10	14s14	1 s21	10 s27	0 s44	20s 7	0n17	18n52	4 s 3 7	9n49	10n 3	11n34	4s18	4n58

Julian Day Number = 2331015.5, Delta T = 29.74 sec Ecliptic obliquity =  $23^{\circ}29'04$ , Nutation = -  $0^{\circ}00'07$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'02$ , Lahiri =  $19^{\circ}15'03$ Greg. Calendar

FEBRUARY 1670 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	并	Р	u	Ω	ţ	ę,	Day
S 1	8 45 44	12≈32'21	28耳 1	10≈37	29 <b>米</b> 1	24 <b>M</b> .14	6°R44	25≈53	4 <b>)</b> €52	29중 1	0°R 7	25°R13	25 <b>Y</b> 55	9 <b>m</b> /24	7 <b>∺</b> 11	S 1
S 2	8 49 41	13°33'07	109529	12°21	oΥ 5	24°48	6939	26° 0	4°55	29° 3	0ණ 6	25 <b>°</b> 3	25°52	9°31	7°14	S 2
M 3	8 53 37	14°33'53	22°47	14° 7	1°8	25°21	6°34	26° 7	4°59	29° 5	0° 5	24°51	25°49	9°37	7°18	M 3
T 4	8 57 34	15°34'36	4 <b>Ω</b> 57	15°53	2°10	25°55	6°29	26°14	5° 2	29° 8	0° 5	24°38	25°45	9°44	7°22	T 4
W 5	9 1 30	16°35'19	17° 0	17°40	3°13	26°29	6°24	26°21	5° 5	29°10	0° 4	24°24	25°42	9°51	7°25	W 5
T 6	9 5 27	17°36'00	28°57	19°27	4°15	27° 3	6°20	26°29	5° 9	29°12	0° 3	24°12	25°39	9°57	7°29	T 6
F 7	9 9 24	18°36'39	10 <b>m</b> /49	21°16	5°17	27°36	6°15	26°36	5°12	29°14	0° 2	24° 2	25°36	10° 4	7°33	F 7
S 8	9 13 20	19°37'18	22°38	23° 5	6°18	28°10	6°11	26°43	5°15	29°16	0° 1	23°55	25°33	10°11	7°37	S 8
S 9	9 17 17	20°37'55	4 <b>₽</b> 26	24°54	7°19	28°43	6° 7	26°50	5°19	29°19	0° 1	23°50	25°29	10°17	7°40	S 9
M10	9 21 13	21°38'30	16°17	26°44	8°19	29°17	6° 3	26°57	5°22	29°21	0° 0	23°48	25°26	10°24	7°44	M10
T 11	9 25 10	22°39'05	28°16	28°35	9°19	29°50	6° 0	27° 5	5°25	29°23	29∏59	23°D48	25°23	10°31	7°48	T 11
W12	9 29 6	23°39'38	10 <b>M</b> 26	0 <b>∺</b> 26	10°19	0 <b>₹</b> 23	5°56	27°12	5°29	29°25	29°59	23°49	25°20	10°37	7°52	W12
T 13	9 33 3	24°40'10	22°52	2°18	11°18	0°56	5°53	27°19	5°32	29°27	29°58	23°R49	25°17	10°44	7°56	T 13
F 14	9 36 59	25°40'40	5 <b>√</b> 41	4° 9	12°16	1°30	5°50	27°27	5°36	29°29	29°57	23°49	25°14	10°51	7°59	F 14
S 15	9 40 56	26°41'10	18°55	6° 0	13°14	2° 2	5°47	27°34	5°39	29°31	29°57	23°46	25°10	10°57	8° 3	S 15
S 16	9 44 53	27°41'38	2 <b>る</b> 39	7°52	14°12	2°35	5°44	27°41	5°42	29°33	29°56	23°42	25° 7	11° 4	8° 7	S 16
M17	9 48 49	28°42'05	16°52	9°42	15° 9	3° 8	5°42	27°48	5°46	29°35	29°56	23°35	25° 4	11°11	8°11	M17
T 18	9 52 46	29°42'30	1≈34	11°32	16° 6	3°41	5°40	27°56	5°49	29°37	29°55	23°27	25° 1	11°18	8°15	T 18
W19	9 56 42	0 <b>)</b> 42′54	16°36	13°21	17° 2	4°13	5°37	28° 3	5°53	29°40	29°55	23°18	24°58	11°24	8°19	W19
T 20	10 0 39	1°43'16	1 <b>) (</b> 51	15° 9	17°57	4°45	5°36	28°10	5°56	29°42	29°54	23°10	24°55	11°31	8°22	T 20
F 21	10 4 35	2°43'36	17° 8	16°54	18°52	5°18	5°34	28°17	6° 0	29°44	29°54	23° 4	24°51	11°38	8°26	F 21
S 22	10 8 32	3°43'54	2 <b>Υ</b> 15	18°37	19°46	5°50	5°32	28°25	6° 3	29°45	29°53	23° 0	24°48	11°44	8°30	S 22
S 23	10 12 28	4°44'11	17° 4	20°18	20°39	6°22	5°31	28°32	6° 7	29°47	29°53	22°D58	24°45	11°51	8°34	S 23
M24	10 16 25	5°44'25	1830	21°55	21°32	6°54	5°30	28°39	6°10	29°49	29°52	22°58	24°42	11°58	8°38	M24
T 25	10 20 22	6°44'37	15°29	23°28	22°24	7°26	5°29	28°46	6°13	29°51	29°52	22°59	24°39	12° 4	8°42	T 25
W26	10 24 18	7°44'48	29° 3	24°56	23°15	7°57	5°28	28°54	6°17	29°53	29°52	23° 1	24°35	12°11	8°46	W26
T 27	10 28 15	8°44'56	12 <b>Ⅱ</b> 13	26°20	24° 6	8°29	5°28	29° 1	6°20	29°55	29°51	23°R 1	24°32	12°18	8°50	T 27
F 28	10 32 11	9 <b>)</b> (45'02	25 <b>I</b> I 1	27 <b>)</b> 38	24 <b>Y</b> 56	9 <b>₹</b> 0	59528	29≈ 8	6 <b>)</b> €24	29 <b>궁</b> 57	29∏51	23 <b>°</b> 0	24 <b>Y</b> 29	12 m 24	8 <b>) (</b> 54	F 28

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S 1	17s 4	27n57	4n28	19s36	2s 5	0n 3	0n29	17 s54	0n59	23n29	0n10	14s11	1 s21	10 s26	0 s44	20s 7	0n17	18n53	4s36	9n47	10n 2	11n31	4s17	4n57
S 2	16 47	27 55	4 52	19 7	2 4	0 34	0 35	18 3	0 59	23 29	0 10	14 9	1 21	10 24	0 44	20 6	0 17	18 53	4 36	9 43	10 1	11 28	4 16	4 57
M 3	16 30	26 30	5 1	18 36	2 4	1 4	0 41	18 12	0 58	23 29	0 10	14 7	1 21	10 23	0 44	20 6	0 17	18 53	4 36	9 38	9 59	11 25	4 15	4 57
T 4	16 12	23 51	4 56	18 3	2 2	1 35	0 47	18 20	0 58	23 30	0 10	14 4	1 21	10 22	0 44	20 5	0 17	18 53	4 36	9 34	9 58	11 22	4 14	4 57
W 5	15 54	20 11	4 39	17 29	2 1	2 5	0 53	18 29	0 57	23 30	0 10	14 2	1 21	10 21	0 44	20 5	0 17	18 53	4 36	9 29	9 57	11 19	4 12	4 57
T 6	15 35	15 44	4 9	16 53	1 59	2 35	0 59	18 37	0 57	23 30	0 10	13 59	1 21	10 19	0 44	20 4	0 17	18 53	4 36	9 24	9 56	11 16	4 11	4 57
F 7	15 17	10 44	3 28	16 16	1 56	3 5	1 5	18 45	0 56	23 31	0 11	13 57	1 21	10 18	0 44	20 4	0 17	18 53	4 36	9 20	9 55	11 13	4 10	4 57
S 8	14 58	5 21	2 38	15 38	1 53	3 35	1 11	18 53	0 56	23 31	0 11	13 54	1 21	10 17	0 44	20 4	0 17	18 54	4 36	9 18	9 54	11 9	4 9	4 56
S 9	14 38	0s13	1 41	14 57	1 49	4 5	1 17	19 1	0 55	23 31	0 11	13 52	1 22	10 16	0 44	20 3	0 17	18 54	4 35	9 16	9 53	11 6	4 7	4 56
M10	14 19	5 48	0 40	14 16	1 45	4 35	1 24	19 9	0 55	23 32	0 11	13 50	1 22	10 15	0 44	20 3	0 17	18 54	4 35	9 15	9 51	11 3	4 6	4 56
T 11	13 59	11 15	0s24	13 33	1 40	5 5	1 30	19 17	0 54	23 32	0 11	13 47	1 22	10 13	0 44	20 2	0 17	18 54	4 35	9 15	9 50	11 0	4 5	4 56
W12	13 40	16 22	1 28	12 48	1 34	5 34	1 36	19 24	0 53	23 32	0 11	13 45	1 22	10 12	0 44	20 2	0 17	18 54	4 35	9 15	9 49	10 57	4 4	4 56
T 13	13 19	20 56	2 29	12 3	1 28	6 3	1 43	19 32	0 53	23 32	0 11	13 42	1 22	10 11	0 44	20 1	0 17	18 54	4 35	9 16	9 48	10 54	4 2	4 56
F 14	12 59	24 39	3 25	11 16	1 21	6 32	1 50	19 39	0 52	23 33	0 11	13 40	1 22	10 9	0 44	20 1	0 17	18 54	4 35	9 15	9 47	10 51	4 1	4 56
S 15	12 39	27 12	4 12	10 28	1 14	7 1	1 56	19 46	0 51	23 33	0 11	13 37	1 22	10 8	0 44	20 0	0 17	18 55	4 35	9 15	9 46	10 48	4 0	4 56
S 16	12 18	28 13	4 46	9 39	1 6	7 30	2 3	19 53	0 51	23 33	0 11	13 35	1 22	10 7	0 44	20 0	0 17	18 55	4 34	9 13	9 44	10 44	3 58	4 55
M17	11 57	27 26	5 4	8 49	0 57	7 58	2 10	20 0	0 50	23 33	0 12	13 32	1 22	10 6	0 44	20 0	0 17	18 55	4 34	9 10	9 43	10 41	3 57	4 55
T 18	11 36	24 46	5 3	7 59	0 48	8 27	2 17	20 7	0 49	23 33	0 12	13 30	1 22	10 4	0 44	19 59	0 17	18 55	4 34	9 7	9 42	10 38	3 56	4 55
W19	11 14	20 21	4 41	7 8	0 38	8 54	2 23	20 14	0 49	23 34	0 12	13 27	1 22	10 3	0 44	19 59	0 17	18 55	4 34	9 4	9 41	10 35	3 54	4 55
T 20	10 53	14 34	4 0	6 17	0 27	9 22	2 30	20 21	0 48	23 34	0 12	13 25	1 22	10 2	0 44	19 58	0 17	18 55	4 34	9 1	9 40	10 32	3 53	4 55
F 21	10 31	7 52	3 1	5 25	0 16	9 50	2 37	20 27	0 47	23 34	0 12	13 23	1 22	10 1	0 44	19 58	0 17	18 55	4 34	8 59	9 39	10 29	3 52	4 55
S 22	10 9	0 47	1 49	4 34	0 4	10 17	2 44	20 33	0 46	23 34	0 12	13 20	1 22	9 59	0 44	19 58	0 17	18 56	4 34	8 57	9 37	10 25	3 50	4 55
S 23	9 48	6n14	0 32	3 43	0n 9	10 44	2 52	20 40	0 46	23 34	0 12	13 18	1 22	9 58	0 44	19 57	0 17	18 56	4 33	8 57	9 36	10 22	3 49	4 55
M24	9 25	12 44	0n46	2 53	0 22	11 10	2 59	20 46	0 45	23 34	0 12	13 15	1 22	9 57	0 44	19 57	0 17	18 56	4 33	8 57	9 35	10 19	3 47	4 55
T 25	9 3	18 24	1 59	2 4	0 35	11 36	3 6	20 52	0 44	23 35	0 12	13 13	1 22	9 56	0 44	19 56	0 17	18 56	4 33	8 57	9 34	10 16	3 46	4 55
W26	8 41	22 57	3 2	1 16	0 49	12 2	3 13	20 58	0 43	23 35	0 12	13 10	1 23	9 54	0 44	19 56	0 17	18 56	4 33	8 58	9 33	10 13	3 45	4 55
T 27	8 18	26 10	3 55	0 30	1 3	12 28	3 20	21 4	0 42	23 35	0 13	13 8	1 23	9 53	0 44	19 56	0 17	18 56	4 33	8 58	9 32	10 10	3 43	4 55
F 28	7 s56	27n57	4n33	0n14	1n17	12n53	3n28	21 s 9	0n42	23n35	0n13	13 s 5	1 s23	9 s52	0 s44	19s55	0n17	18n56	4 s 3 3	8n57	9n30	10n 6	3 s42	4n55

Julian Day Number = 2331046.5, Delta T = 29.69 sec

Ecliptic obliquity = 23°29'04, Nutation = -0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°08'07, Lahiri = 19°15'07Greg. Calendar

MARCH 1670 GC 00:00 UT

Day	Sid.t	0	D	ğ	ρ	ď	4	ħ	)∤(	并	В	N.	v	Ç	ķ	Day
S 1	10 36 8	10 <b>)</b> 45'06	7933	28 <b>)</b> 49	25 <b>Y</b> 45	9 <b>∡</b> 731	5°D27	29≈15	6 <b>∺</b> 27	29 <b>궁</b> 59	29°R51	22°R56	24 <b>Y</b> 26	12 <b>m</b> /31	8 <b>∺</b> 57	S 1
S 2	10 40 4	11°45'08	19°51	29°54	26°33	10° 3	5928	29°23	6°31	0≈ 1	29耳50	22 <b>Y</b> 51	24°23	12°38	9° 1	S 2
M 3	10 44 1	12°45'08	1 <b>Ω</b> 59	0 <b>Υ</b> 52	27°20	10°34	5°28	29°30	6°34	0° 2	29°50	22°45	24°20	12°44	9° 5	M 3
T 4	10 47 57	13°45'05	13°59	1°42	28° 6	11° 5	5°28	29°37	6°37	0° 4	29°50	22°37	24°16	12°51	9° 9	T 4
W 5	10 51 54	14°45'00	25°54	2°24	28°51	11°35	5°29	29°44	6°41	0° 6	29°50	22°30	24°13	12°58	9°13	W 5
T 6	10 55 51	15°44'54	7 Mp 45	2°58	29°35	12° 6	5°30	29°51	6°44	0° 8	29°49	22°23	24°10	13° 4	9°17	T 6
F 7	10 59 47	16°44'45	19°35	3°23	0819	12°36	5°31	29°58	6°48	0° 9	29°49	22°18	24° 7	13°11	9°21	F 7
S 8	11 3 44	17°44'35	1 <u>₽</u> 25	3°39	1° 1	13° 7	5°32	0 <b>¥</b> 5	6°51	0°11	29°49	22°14	24° 4	13°18	9°25	S 8
S 9	11 740	18°44'22	13°17	3°R47	1°42	13°37	5°34	0°12	6°55	0°13	29°49	22°12	24° 0	13°24	9°28	S 9
M10	11 11 37	19°44'08	25°14	3°46	2°21	14° 7	5°35	0°19	6°58	0°14	29°49	22°D11	23°57	13°31	9°32	M10
T 11	11 15 33	20°43'51	7 <b>M</b> .18	3°37	3° 0	14°36	5°37	0°26	7° 1	0°16	29°49	22°12	23°54	13°38	9°36	T 11
W12	11 19 30	21°43'33	19°33	3°20	3°37	15° 6	5°39	0°33	7° 5	0°18	29°49	22°14	23°51	13°44	9°40	W12
T 13	11 23 26	22°43'14	2 <b>~</b> 2	2°55	4°13	15°36	5°41	0°40	7° 8	0°19	29°49	22°16	23°48	13°51	9°44	T 13
F 14	11 27 23	23°42'52	14°50	2°23	4°48	16° 5	5°44	0°47	7°11	0°21	29°D49	22°17	23°45	13°58	9°48	F 14
S 15	11 31 20	24°42'29	28° 0	1°46	5°22	16°34	5°46	0°54	7°15	0°22	29°49	22°R17	23°41	14° 5	9°51	S 15
S 16	11 35 16	25°42'04	11 <b>る</b> 35	1° 3	5°53	17° 3	5°49	1° 1	7°18	0°24	29°49	22°16	23°38	14°11	9°55	S 16
M17	11 39 13	26°41'38	25°36	0°16	6°24	17°32	5°52	1° 8	7°21	0°25	29°49	22°14	23°35	14°18	9°59	M17
T 18	11 43 9	27°41'09	10≈ 4	29 <b>米</b> 25	6°52	18° 0	5°55	1°14	7°25	0°27	29°49	22°11	23°32	14°25	10° 3	T 18
W19	11 47 6	28°40'39	24°53	28°33	7°20	18°29	5°58	1°21	7°28	0°28	29°49	22° 8	23°29	14°31	10° 6	W19
T 20	11 51 2	29°40'07	9 <b>∺</b> 58	27°40	7°45	18°57	6° 2	1°28	7°31	0°30	29°49	22° 5	23°26	14°38	10°10	T 20
F 21	11 54 59	0 <b>Ƴ</b> 39'33	25°10	26°47	8° 9	19°25	6° 5	1°35	7°34	0°31	29°49	22° 2	23°22	14°45	10°14	F 21
S 22	11 58 55	1°38'56	10 <b>Y</b> 20	25°56	8°31	19°52	6° 9	1°41	7°38	0°32	29°50	22° 1	23°19	14°51	10°18	S 22
S 23	12 2 52	2°38'18	25°16	25° 6	8°51	20°20	6°13	1°48	7°41	0°34	29°50	22°D 1	23°16	14°58	10°21	S 23
M24	12 6 49	3°37'38	9 <b>8</b> 53	24°20	9° 9	20°47	6°18	1°54	7°44	0°35	29°50	22° 1	23°13	15° 5	10°25	M24
T 25	12 10 45	4°36'55	24° 4	23°38	9°25	21°14	6°22	2° 1	7°47	0°36	29°50	22° 2	23°10	15°11	10°28	T 25
W26	12 14 42	5°36'10	7 <b>Ⅱ</b> 49	23° 0	9°39	21°41	6°26	2° 8	7°50	0°37	29°50	22° 4	23° 6	15°18	10°32	W26
T 27	12 18 38	6°35'23	21° 7	22°26	9°51	22° 7	6°31	2°14	7°53	0°38	29°51	22° 5	23° 3	15°25	10°36	T 27
F 28	12 22 35	7°34'33	499 1	21°58	10° 1	22°34	6°36	2°20	7°57	0°40	29°51	22°R 5	23° 0	15°31	10°39	F 28
S 29	12 26 31	8°33'41	16°35	21°36	10° 9	23° 0	6°41	2°27	8° 0	0°41	29°51	22° 5	22°57	15°38	10°43	S 29
S 30	12 30 28	9°32'47	28°51	21°18	10°14	23°26	6°46	2°33	8° 3	0°42	29°52	22° 4	22°54	15°45	10°46	S 30
M31	12 34 24	10 <b>Y</b> 31'50	10 <b>N</b> 55	21 <b>米</b> 7	10817	23 <b>×</b> 51	6952	2 <b>)</b> 39	8 <b>米</b> 6	0≈43	29 <b>Ⅱ</b> 52	22 <b>°</b> 3	22 <b>Y</b> 51	15 <b>m</b> 51	10 <b>∺</b> 50	M31

Day	0	D	ğ	Q	♂ <sup>™</sup>	4	ħ	)Å(	卉	Р	V	U	Ç	Š
	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	7 s33	28n14 4n58	0n55 1n3	31 13n18 3n35	21 s15 0n41	23n35 0n13	3 13 s 3 1 s 2 3	9 s 50 0 s 44	19s55 0n17	18n57 4s32	8n56	9n29	10n 3	3 s41 4n54
S 2	7 10	27 6 5 9	1 34 1 4	45 13 42 3 42	21 20 0 40	23 35 0 13	3 13 0 1 23	9 49 0 44	19 54 0 17	18 57 4 32	8 54	9 28	10 0	3 39 4 54
M 3	6 47	24 43 5 5	2 10 1 5			23 35 0 13		9 48 0 44	19 54 0 17	18 57 4 32	8 52	9 27	9 57	3 38 4 54
T 4	6 24	-				23 35 0 13		9 47 0 44			8 49	9 26	9 54	3 36 4 54
W 5	6 1	16 58 4 19		25 14 53 4 4		23 35 0 13		9 45 0 44			8 46	9 25	9 50	3 35 4 54
T 6 F 7	5 38 5 15	12 3 3 38 6 43 2 48	3 35 2 3 3 56 2 4			23 35 0 13 23 35 0 13	3 12 51 1 23 3 12 48 1 23	9 44 0 44 9 43 0 44			8 44 8 42	9 23 9 22	9 47 9 44	3 33 4 54 3 32 4 54
S 8	4 51	1 8 1 51	4 12 2 5				3 12 46 1 23					9 21	9 41	3 31 4 54
S 9	4 28	4s30 0 49	4 24 3	9 16 21 4 33	21 56 0 33	23 35 0 13	3 12 43 1 24	9 40 0 44	19 52 0 17	18 58 4 31	8 39	9 20	9 38	3 29 4 54
M10	4 4	10 2 0s17	4 31 3 1			23 35 0 13	-	9 39 0 44		18 58 4 31		9 19	9 35	3 28 4 54
T 11	3 41	15 16 1 22		24 17 2 4 48			1 12 39 1 24			18 58 4 31	8 40	9 18	9 31	3 26 4 54
W12	3 17	19 58 2 24	4 31 3 2	29 17 22 4 55	22 9 0 30	23 35 0 14	1 12 36 1 24	9 37 0 44	19 51 0 17	18 58 4 31	8 40	9 16	9 28	3 25 4 54
T 13			4 24 3 3				1 12 34 1 24					9 15	9 25	3 23 4 54
F 14		26 45 4 10					1 12 32 1 24	9 34 0 44			8 41	9 14	9 22	3 22 4 54
S 15	2 6	28 15 4 47	3 58 3 3	34 18 17 5 16	22 22 0 27	23 35 0 14	1 12 29 1 24	9 33 0 44	19 50 0 17	18 59 4 30	8 41	9 13	9 18	3 21 4 54
S 16	1 43						1 12 27 1 24			18 59 4 30		9 12	9 15	3 19 4 54
M17	1 19	-		28 18 51 5 30			1 12 25 1 24	9 30 0 44			8 40	9 10	9 12	3 18 4 54
T 18 W19	0 55 0 32		-	22			1 12 22 1 25 1 12 20 1 25	9 29 0 44 9 28 0 44		18 59 4 30 18 59 4 30	8 39 8 38	9 9 9	9 9 9 6	3 16 4 54 3 15 4 54
T 20	0 32			6 19 37 5 49			12 20 1 25	9 27 0 44		19 0 4 29	8 37	9 7	9 2	3 14 4 54
F 21	0n16						1 12 15 1 25	9 26 0 44		19 0 4 29	8 36	9 6	8 59	3 12 4 54
S 22	0 39	3n 7 1 4	0 52 2 4	43 20 4 6 2	22 48 0 18	23 35 0 14	12 13 1 25	9 24 0 44	19 48 0 17	19 0 4 29	8 35	9 5	8 56	3 11 4 54
S 23	1 3	10 4 0n18	0 21 2 3	30 20 16 6 8	22 51 0 17	23 35 0 14	1 12 11 1 25	9 23 0 44	19 47 0 17	19 0 4 29	8 35	9 3	8 53	3 9 4 54
M24	1 27	16 20 1 37	0s10 2 1	16 20 28 6 14	22 55 0 15	23 35 0 14	1 12 9 1 25	9 22 0 44	19 47 0 17	19 0 4 29	8 36	9 2	8 49	3 8 4 55
T 25	1 50	-	0 41 2	1 20 39 6 19		23 34 0 13		9 21 0 44		19 0 4 29	8 36	9 1	8 46	3 6 4 55
W26	2 14		1 10 1 4			23 34 0 13		9 20 0 44		19 1 4 29	8 37	9 0	8 43	3 5 4 55
T 27 F 28	2 37	-				23 34 0 1: 23 34 0 1:				19 1 4 28	8 37 8 37	8 59 8 58	8 40	3 4 4 55 3 2 4 55
S 29	3 1 3 24						5 12 0 1 26 5 11 58 1 26			19 1 4 28 19 1 4 28	8 37	8 56	8 36 8 33	3 2 4 55 3 1 4 55
S 30		25 33 5 14					5 11 55 1 26		19 46 0 17		8 37	8 55	8 30	2 59 4 55
M31	-	22n19 5n 0					5 11 55 1 26 5 11 s53 1 s26		19 40 0 17 19 s 45 0 n 17			8n54	8n27	2 s58 4 s5

APRIL 1670 GC 00:00 UT

AI IV.	15 10/	, ac													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	并	В	V	v	Ç	ę,	Day
T 1	12 38 21	11 <b>Y</b> 30'51	22 <b>Q</b> 50	21°R 1	10°R17	24 <b>х</b> 16	6957	2 <b>)</b> (46	8 <b>)</b> 9	0≈44	29耳53	22°R 2	22 <b>Y</b> 47	15 <b>m</b> 58	10 <b>¥</b> 53	T 1
W 2	12 42 18	12°29'50	4 Mp 4 1	21°D 1	10815	24°41	7° 3	2°52	8°12	0°45	29°53	22 <b>Y</b> 0	22°44	16° 5	10°57	W 2
T 3	12 46 14	13°28'47	16°30	21 <b>米</b> 6	10°11	25° 6	7° 9	2°58	8°15	0°46	29°54	21°59	22°41	16°11	11° 0	T 3
F 4	12 50 11	14°27'41	28°20	21°16	10° 4	25°31	7°15	3° 4	8°18	0°47	29°54	21°58	22°38	16°18	11° 4	F 4
S 5	12 54 7	15°26'33	10 <b>≏</b> 14	21°31	9°55	25°55	7°21	3°10	8°21	0°48	29°55	21°57	22°35	16°25	11° 7	S 5
S 6	12 58 4	16°25'24	22°13	21°51	9°43	26°19	7°27	3°16	8°24	0°49	29°55	21°D57	22°32	16°31	11°10	S 6
M 7	13 2 0	17°24'12	4M20	22°16	9°28	26°42	7°34	3°22	8°26	0°50	29°56	21°57	22°28	16°38	11°14	M 7
T 8	13 5 57	18°22'58	16°37	22°45	9°12	27° 6	7°40	3°28	8°29	0°50	29°56	21°58	22°25	16°45	11°17	T 8
W 9	13 9 53	19°21'43	29° 5	23°18	8°53	27°28	7°47	3°34	8°32	0°51	29°57	21°58	22°22	16°51	11°20	W 9
T 10	13 13 50	20°20'26	11 <b>×</b> 746	23°56	8°31	27°51	7°54	3°39	8°35	0°52	29°57	21°58	22°19	16°58	11°23	T 10
F 11	13 17 46	21°19'07	24°43	24°37	8° 7	28°13	8° 1	3°45	8°38	0°53	29°58	21°58	22°16	17° 5	11°26	F 11
S 12	13 21 43	22°17'46	7 <b>궁</b> 57	25°22	7°42	28°35	8° 8	3°51	8°40	0°53	29°59	21°R58	22°12	17°11	11°30	S 12
S 13	13 25 40	23°16'24	21°29	26°10	7°14	28°57	8°15	3°56	8°43	0°54	29°59	21°D58	22° 9	17°18	11°33	S 13
M14	13 29 36	24°15'00	5≈22	27° 2	6°44	29°18	8°23	4° 2	8°46	0°55	29°59	21°58	22° 6	17°25	11°36	M14
T 15	13 33 33	25°13'34	19°34	27°57	6°13	29°39	8°30	4° 7	8°48	0°55	0ණ 1	21°59	22° 3	17°31	11°39	T 15
W16	13 37 29	26°12'07	4 <b>)</b> 4	28°55	5°40	29°59	8°38	4°13	8°51	0°56	0° 1	21°59	22° 0	17°38	11°42	W16
T 17	13 41 26	27°10'38	18°48	29°55	5° 5	0 <b>궁</b> 19	8°46	4°18	8°53	0°56	0° 2	21°59	21°57	17°45	11°45	T 17
F 18	13 45 22	28° 9'07	<b>3</b> Υ41	oΥ59	4°30	0°39	8°54	4°23	8°56	0°57	0° 3	22° 0	21°53	17°51	11°48	F 18
S 19	13 49 19	29° 7'34	18°34	2° 5	3°53	0°58	9° 2	4°29	8°58	0°57	0° 4	22°R 0	21°50	17°58	11°51	S 19
S 20	13 53 15	08 6'00	3 <b>8</b> 21	3°14	3°16	1°17	9°10	4°34	9° 1	0°58	0° 5	22° 0	21°47	18° 5	11°54	S 20
M21	13 57 12	1° 4'24	17°54	4°25	2°39	1°35	9°18	4°39	9° 3	0°58	0° 5	21°59	21°44	18°11	11°56	M21
T 22	14 1 9	2° 2'46	2 <b>I</b> 8	5°38	2° 1	1°53	9°27	4°44	9° 6	0°59	0° 6	21°58	21°41	18°18	11°59	T 22
W23	14 5 5	3° 1'06	15°57	6°54	1°23	2°11	9°35	4°49	9° 8	0°59	0° 7	21°57	21°38	18°25	12° 2	W23
T 24	14 9 2	3°59'24	29°22	8°12	0°46	2°28	9°44	4°54	9°10	0°59	0° 8	21°56	21°34	18°31	12° 5	T 24
F 25	14 12 58	4°57'40	129522	9°33	0° 9	2°44	9°53	4°59	9°13	1° 0	0° 9	21°54	21°31	18°38	12° 7	F 25
S 26	14 16 55	5°55'54	24°59	10°55	29 <b>Y</b> 33	3° 0	10° 2	5° 3	9°15	1° 0	0°10	21°53	21°28	18°45	12°10	S 26
S 27	14 20 51	6°54'06	7 <b>Ω</b> 18	12°20	28°57	3°16	10°11	5° 8	9°17	1° 0	0°11	21°D53	21°25	18°51	12°13	S 27
M28	14 24 48	7°52'16	19°23	13°46	28°23	3°31	10°20	5°13	9°19	1° 0	0°12	21°53	21°22	18°58	12°15	M28
T 29	14 28 44	8°50'24	1 <b>m</b> ) 17	15°15	27°50	<u>3°45</u>	10°29	5°17	9°22	1° 0	0°13	21°54	21°18	19° 5	12°18	T 29
W30	14 32 41	9848'30	13 <b>m</b> 7	16 <b>Y</b> 46	27 <b>Υ</b> 19	3 <b>る</b> 59	10939	5 <b>∺</b> 22	9 <b>) (</b> 24	1≈ 1	09୍ତ14	21 <b>Y</b> 56	21 <b>Υ</b> 15	19 <b>m</b> 11	12 <b>∺</b> 20	W30

Day	0	D	ζ	2 9	?	<b>♂</b>	2	+	ħ	l	)į	γ(	<b>4</b>		В	)	n	Ω	Ç	ď	;
	decl	decl lat	decl	lat decl	lat dec	lat	decl	lat	decl	lat	decl	lat	decl l	at	decl	lat	decl	decl	decl	decl	lat
T 1	4n34	18n12 4n32	3 s23	0n12 21n25	6n51 23 s1	0n 3	23n33	0n15	11 s51	1 s26	9 s 1 3	0 s44	19s45	0n17	19n 2	4 s 2 8	8n36	8n53	8n23	2 s 5 7	4n55
W 2	4 57	13 25 3 53	3 37	0s 3 21 27	6 54 23 2	0 2	23 33	0 15	11 49	1 26	9 12	0 44	19 45	0 17	19 2	4 27	8 35	8 52	8 20	2 55	4 55
T 3	5 20	8 10 3 4	3 48	0 17 21 28	6 56 23 2	0 s 0	23 33	0 15	11 47	1 27	9 11	0 44	19 45	0 17	19 2	4 27	8 35	8 50	8 17	2 54	4 55
F 4	5 43	2 37 2 7	3 57	0 31 21 28	6 58 23 20	0 2	23 32	0 15	11 45	1 27	9 10	0 44	19 45	0 17	19 2	4 27	8 34	8 49	8 14	2 53	4 55
S 5	6 5	3 s 4 1 5	4 3	0 44 21 26	7 0 23 29	0 4	23 32	0 15	11 43	1 27	9 9	0 44	19 44	0 17	19 2	4 27	8 34	8 48	8 10	2 51	4 55
S 6	6 28	8 41 0s 1	4 6	0 56 21 23	7 1 23 3	0 5	23 32	0 15	11 41	1 27	9 7	0 44	19 44	0 17	19 2	4 27	8 34	8 47	8 7	2 50	4 56
M 7	6 51	14 4 1 8	4 7	1 8 21 19	7 1 23 3	0 7	23 31	0 15	11 39	1 27	9 6	0 44	19 44	0 17	19 2	4 27	8 34	8 46	8 4	2 49	4 56
T 8	7 13	18 57 2 13	4 6	1 20 21 13	7 1 23 3	0 9	23 31	0 15	11 37	1 27	9 5	0 44	19 44	0 17	19 3	4 26	8 34	8 45	8 1	2 47	4 56
W 9	7 36	23 7 3 12	4 3	1 30 21 6	7 0 23 3	0 11	23 31	0 16	11 35	1 28	9 4	0 44	19 44	0 17	19 3	4 26	8 34	8 43	7 57	2 46	4 56
T 10	7 58	26 15 4 3	3 57	1 40 20 58	6 59 23 4		23 30	0 16	11 33	1 28	9 3	0 44	19 43	0 17	19 3	4 26	8 34	8 42	7 54	2 45	4 56
F 11	8 20	28 5 4 42	3 49	1 49 20 48	6 57 23 43	0 15	23 30	0 16	11 31	1 28	9 2	0 44	19 43	0 17	19 3	4 26	8 35	8 41	7 51	2 43	4 56
S 12	8 42	28 22 5 8	3 39	1 58 20 36	6 54 23 4	0 17	23 30	0 16	11 29	1 28	9 1	0 44	19 43	0 17	19 3	4 26	8 35	8 40	7 47	2 42	4 56
S 13	9 4	26 59 5 17	3 27	2 6 20 24	6 50 23 4	0 19	23 29	0 16	11 27	1 28	9 0	0 45	19 43	0 17	19 3	4 26	8 35	8 39	7 44	2 41	4 56
M14	9 25	23 57 5 9	3 13	2 13 20 10	6 45 23 50	0 21	23 29	0 16	11 25	1 28	8 59	0 45	19 43	0 17	19 3	4 26	8 35	8 37	7 41	2 39	4 56
T 15	9 47	19 26 4 42	2 57	2 20 19 54	6 40 23 5	0 23	23 29	0 16	11 23	1 29	8 58	0 45	19 43	0 17	19 4	4 25	8 35	8 36	7 38	2 38	4 57
W16	10 8	13 42 3 56	2 40	2 26 19 37	6 34 23 5	0 25	23 28	0 16	11 22	1 29	8 57	0 45	19 43	0 17	19 4	4 25	8 35	8 35	7 34	2 37	4 57
T 17	10 29	7 6 2 54	2 20	2 31 19 19	6 28 23 5	0 28	23 28	0 16	11 20	1 29	8 56	0 45	19 42	0 17	19 4	4 25	8 35	8 34	7 31	2 36	4 57
F 18	10 50	0 4 1 40	1 59	2 35 19 0	6 20 23 59	0 30	23 27	0 16	11 18	1 29	8 56	0 45	19 42	0 17	19 4	4 25	8 35	8 33	7 28	2 34	4 57
S 19	11 11	7n 0 0 19	1 36	2 39 18 39	6 12 24	0 32	23 27	0 16	11 16	1 29	8 55	0 45	19 42	0 17	19 4	4 25	8 35	8 31	7 24	2 33	4 57
S 20	11 32	13 38 1n 3	1 12	2 43 18 18	6 3 24	0 34	23 26	0 16	11 15	1 29	8 54	0 45	19 42	0 17	19 4	4 25	8 35	8 30	7 21	2 32	4 57
M21	11 52	19 25 2 19	0 46	2 46 17 56	5 53 24	0 37	23 26	0 16	11 13	1 30	8 53	0 45	19 42	0 17	19 4	4 25	8 35	8 29	7 18	2 31	4 58
T 22	12 12	23 58 3 25	0 19	2 48 17 33	5 43 24	0 39	23 25	0 16	11 11	1 30	8 52	0 45	19 42	0 17	19 5	4 24	8 35	8 28	7 15	2 29	4 58
W23	12 32	27 0 4 16	0n 9	2 49 17 9	5 31 24 10	0 42	23 25	0 16	11 10	1 30	8 51	0 45	19 42	0 17	19 5	4 24	8 34	8 27	7 11	2 28	4 58
T 24	12 52	28 21 4 52	0 39	2 50 16 45	5 20 24 13	0 44	23 24	0 16	11 8	1 30	8 50	0 45	19 42	0 17	19 5	4 24	8 33	8 26	7 8	2 27	4 58
F 25	13 12			2 51 16 20	5 8 24 14		23 23	0 17	-	1 30	8 49	0 45	19 42	0 17	19 5	4 24	8 33	8 24	7 5	2 26	4 58
S 26	13 31	26 21 5 10	1 43	2 50 15 56	4 55 24 10	0 49	23 23	0 17	11 5	1 31	8 49	0 45	19 42	0 17	19 5	4 24	8 33	8 23	7 1	2 25	4 58
S 27	13 51	23 24 5 5	2 17	2 50 15 31	4 42 24 1	0 52	23 22	0 17	11 3	1 31	8 48	0 45	19 42	0 17	19 5	4 24	8 33	8 22	6 58	2 24	4 58
M28	14 10	19 29 4 41	2 52	2 48 15 6	4 28 24 2	0 55	23 22	0 17	11 2	1 31	8 47	0 45	19 42	0 17	19 5	4 24	8 33	8 21	6 55	2 22	4 59
T 29	14 28	14 51 4 5	3 28	2 46 14 41	4 15 24 2	0 58	23 21	0 17	11 0	1 31	8 46	0 45	19 42	0 17	19 6	4 23	8 33	8 20	6 51	2 21	4 59
W30	14n47	9n42 3n19	4n 5	2 s44 14n17	4n 1 24 s2	1 s 0	23n20	0n17	10s59	1 s 3 1	8 s45	0 s45	19 s42	0n17	19n 6	4 s 2 3	8n34	8n18	6n48	2 s20	4n59

Julian Day Number = 2331105.5, Delta T = 29.58 sec Ecliptic obliquity = 23°29'05, Nutation = -0°00'07, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'15$ , Lahiri =  $19^{\circ}15'15$ Greg. Calendar

MAY 1670 GC 00:00 UT

Day	Sid.t	$\odot$	D	ğ	φ	♂	4	ħ	)∤(	卉	Р	v	Ω	Ç	Š,	Day
T 1	14 36 38	10846'34	24 M 56	18 <b>Y</b> 18	26°R50	4 <b>る</b> 13	109548	5 <b>∺</b> 26	9 <b>∺</b> 26	1≈ 1	09915	21 <b>Y</b> 57	21Υ12	19 <b>m</b> )18	12 <b>)</b> 23	T 1
F 2	14 40 34	11°44'36	6 <b>₽</b> 49	19°53	26 <b>Y</b> 22	4°26	10°58	5°30	9°28	1° 1	0°16	21°59	21° 9	19°25	12°25	F 2
S 3	14 44 31	12°42'36	18°48	21°30	25°57	4°38	11°8	5°34	9°30	1°R 1	0°17	21°R59	21° 6	19°31	12°27	S 3
S 4	14 48 27	13°40'34	0 <b>M</b> 57	23° 8	25°34	4°50	11°17	5°39	9°32	1° 1	0°18	21°59	21° 3	19°38	12°30	S 4
M 5	14 52 24	14°38'31	13°17	24°49	25°13	5° 1	11°27	5°43	9°33	1° 1	0°19	21°58	20°59	19°45	12°32	M 5
T 6	14 56 20	15°36'27	25°51	26°32	24°54	5°12	11°37	5°47	9°35	1° 0	0°20	21°55	20°56	19°51	12°34	T 6
W 7	15 0 17	16°34'21	8 <b>₹</b> 38	28°16	24°37	5°22	11°47	5°50	9°37	1° 0	0°21	21°52	20°53	19°58	12°36	W 7
T 8	15 4 13	17°32'13	21°39	0 <b>8</b> 3	24°23	5°31	11°57	5°54	9°39	1° 0	0°22	21°48	20°50	20° 5	12°38	T 8
F 9	15 8 10	18°30'04	4 <b>궁</b> 54	1°51	24°12	5°40	12° 8	5°58	9°41	1° 0	0°23	21°44	20°47	20°11	12°40	F 9
S 10	15 12 7	19°27'54	18°22	3°42	24° 3	5°48	12°18	6° 2	9°42	1° 0	0°25	21°41	20°43	20°18	12°42	S 10
S 11	15 16 3	20°25'43	2≈ 4	5°34	23°56	5°56	12°29	6° 5	9°44	1° 0	0°26	21°38	20°40	20°25	12°44	S 11
M12	15 20 0	21°23'31	15°57	7°29	23°52	6° 3	12°39	6° 9	9°46	0°59	0°27	21°D37	20°37	20°31	12°46	M12
T 13	15 23 56	22°21'17	0 <b>∀</b> 2	9°25	23°D50	6° 9	12°50	6°12	9°47	0°59	0°28	21°37	20°34	20°38	12°48	T 13
W14	15 27 53	23°19'02	14°16	11°23	23°50	6°14	13° 0	6°15	9°49	0°59	0°29	21°38	20°31	20°45	12°50	W14
T 15	15 31 49	24°16'46	28°39	13°24	23°53	6°19	13°11	6°19	9°50	0°58	0°30	21°40	20°28	20°51	12°52	T 15
F 16	15 35 46	25°14'29	13 <b>°</b> 6	15°26	23°58	6°23	13°22	6°22	9°52	0°58	0°32	21°41	20°24	20°58	12°53	F 16
S 17	15 39 42	26°12'11	27°35	17°29	24° 6	6°27	13°33	6°25	9°53	0°57	0°33	21°R41	20°21	21° 5	12°55	S 17
S 18	15 43 39	27° 9'52	128 0	19°35	24°15	6°29	13°44	6°28	9°54	0°57	0°34	21°39	20°18	21°11	12°57	S 18
M19	15 47 36	28° 7'32	26°15	21°42	24°27	6°31	13°55	6°31	9°56	0°56	0°35	21°36	20°15	21°18	12°58	M19
T 20	15 51 32	29° 5'10	10 <b>耳</b> 17	23°50	24°41	6°32	14° 6	6°33	9°57	0°56	0°37	21°31	20°12	21°25	13° 0	T 20
W21	15 55 29	0耳 2'48	24° 0	25°59	24°56	6°R33	14°18	6°36	9°58	0°55	0°38	21°26	20° 9	21°31	13° 1	W21
T 22	15 59 25	1° 0'24	79522	28°10	25°14	6°33	14°29	6°39	9°59	0°55	0°39	21°19	20° 5	21°38	13° 3	T 22
F 23	16 3 22	1°57'58	20°22	0П21	25°33	6°32	14°40	6°41	10° 0	0°54	0°41	21°13	20° 2	21°45	13° 4	F 23
S 24	16 7 18	2°55'31	3 <b>Ω</b> 1	2°33	25°54	6°30	14°52	6°44	10° 1	0°54	0°42	21° 8	19°59	21°51	13° 5	S 24
S 25	16 11 15	3°53'03	15°21	4°45	26°17	6°27	15° 3	6°46	10° 2	0°53	0°43	21° 4	19°56	21°58	13° 6	S 25
M26	16 15 12	4°50'34	27°26	6°56	26°42	6°24	15°15	6°48	10° 3	0°52	0°45	21° 3	19°53	22° 5	13° 8	M26
T 27	16 19 8	5°48'03	9 <b>m</b> 22	9° 8	27° 8	6°20	15°27	6°50	10° 4	0°51	0°46	21°D 2	19°49	22°11	13° 9	T 27
W28	16 23 5	6°45'31	21°12	11°19	27°36	6°15	15°38	6°52	10° 5	0°51	0°47	21° 3	19°46	22°18	13°10	W28
T 29	16 27 1	7°42'57	3₾ 1	13°30	28° 5	6°10	15°50	6°54	10° 6	0°50	0°49	21° 5	19°43	22°25	13°11	T 29
F 30	16 30 58	8°40'23	14°56	15°39	28°36	6° 3	16° 2	6°56	10° 7	0°49	0°50	21°R 6	19°40	22°31	13°12	F 30
S 31	16 34 54	9 <b>Ⅲ</b> 37'47	27 <b>♀</b> 0	17 <b>Ⅱ</b> 47	29 <b>Y</b> 8	5 <b>る</b> 56	169514	6 <b>¥</b> 58	10 <b>∺</b> 7	0≈48	0951	21 <b>°</b> 6	19 <b>Ƴ</b> 37	22 <b>m</b> 38	13 <b>米</b> 13	S 31

Day	0	D	ğ	Q	' C	?	24	ļ.	ħ	1	)į	β(	<del>¥</del>		Р	n	U	ţ	ķ	
	decl	decl lat	decl lat	t decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl lat		decl lat	decl	decl	decl	decl l	at
T 1 F 2 S 3	15n 5 15 23 15 41	4n13 2n24 1s26 1 22 7 6 0 18	5 22 2	2 s41 13n53 2 37 13 29 2 33 13 7	3n47 24 s28 3 32 24 31 3 18 24 33	1 6	23n19 23 19 23 18		10 s 5 7 10 5 6 10 5 5	1 s31 1 32 1 32	8 s45 8 44 8 43	0 45	19 42 0	n17 19 17 19 17 19	-	8n34 8 35 8 35	8n17 8 16 8 15	6n45 6 42 6 38	2 s 1 9 2 1 8 2 1 7	4n59 4 59 5 0
S 4 M 5 T 6 W 7 T 8	16 16 16 33 16 49 17 6	17 41 1 5: 22 6 2 5: 25 33 3 4: 27 44 4 3	5 7 25 2 6 8 7 2 9 8 50 2 1 9 34 2	-	3 3 24 36 2 49 24 39 2 35 24 41 2 21 24 44 2 7 24 47	1 15 1 18 1 22 1 25	23 17 23 16 23 16 23 15 23 14	0 17 0 17 0 17 0 17	10 51 10 49 10 48	1 32 1 32 1 32 1 33 1 33	8 43 8 42 8 41 8 41 8 40	0 45 0 45 0 45 0 45	19 42 0 19 42 0 19 42 0 19 42 0	17 19 17 19 17 19 17 19 17 19	9 6 4 23 9 6 4 23 9 7 4 22 9 7 4 22	8 35 8 34 8 33 8 32 8 31	8 14 8 12 8 11 8 10 8 9	6 35 6 32 6 28 6 25 6 22	2 16 2 15 2 14 2 13 2 12	5 0 5 0 5 0 5 0 5 1
F 9 S 10 S 11	17 22 17 38 17 53	27 23 5 1	3 11 3 1	1 57 11 9 1 49 10 53 1 41 10 38	1 53 24 50 1 39 24 53 1 26 24 56	1 32	23 13 23 12 23 11	0 17	10 47 10 46 10 45	1 33 1 33 1 34	8 39 8 39 8 38	0 45	19 42 0	17 19 17 19 17 19	9 7 4 22	8 29 8 28 8 27	8 8 8 6 8 5	6 18 6 15 6 12	2 11 2 10 2 9	<ul><li>5 1</li><li>5 1</li><li>5 1</li></ul>
M12 T 13 W14 T 15 F 16 S 17	18 9 18 24 18 38 18 53 19 7 19 20	15 19 4 6 9 8 3 16 2 25 2 2 4n28 0 4	5 13 20 1 0 14 6 1 3 14 51 1 7 15 37 0	1 33 10 24 1 24 10 12 1 15 10 0 1 5 9 50 0 55 9 41 0 45 9 33	1 13 24 59 1 0 25 2 0 48 25 6 0 36 25 9 0 24 25 12 0 12 25 16	1 42	23 9 23 8 23 7 23 6	0 18 0 18 0 18 0 18 0 18 0 18	10 42 10 41 10 40	1 34 1 34 1 34 1 34 1 35 1 35	8 38 8 37 8 36 8 36 8 35 8 35	0 45 0 46 0 46 0 46	19 42 0 19 42 0 19 42 0 19 42 0	17 19 17 19 17 19 17 19 17 19 17 19	9 7 4 22 9 7 4 22 9 7 4 22 9 7 4 22 9 8 4 21	8 27 8 27 8 27 8 27 8 28 8 28	8 4 8 3 8 2 8 0 7 59 7 58	6 8 6 5 6 2 5 58 5 55 5 52	2 8 2 7 2 6 2 6 2 5 2 4	5 1 5 2 5 2 5 2 5 2 5 2 5 2
S 18 M19 T 20 W21 T 22 F 23 S 24	19 47	25 53 3 5- 27 56 4 36 28 17 5 27 3 5 10	7 17 50 0 4 18 33 0 5 19 15 0 1 19 55 0 0 20 34 0	0 35 9 27 0 24 9 21 0 13 9 16 0 3 9 13 0n 8 9 10 0 18 9 8 0 29 9 8	0 1 25 20 0s 9 25 23 0 20 25 27 0 30 25 31 0 39 25 35 0 49 25 39 0 58 25 43	2 4 2 8 2 12 2 16 2 20	23 1	0 18	10 37 10 36 10 35	1 35 1 35 1 35 1 36 1 36 1 36 1 36	8 34 8 34 8 34 8 33 8 33 8 32 8 32	0 46	19 43 0 19 43 0 19 43 0 19 43 0 19 43 0	17 19 17 19 17 19 17 19 17 19 17 19	9 8 4 21 9 8 4 21 9 8 4 21 9 8 4 21 9 8 4 21	8 27 8 26 8 24 8 22 8 20 8 18 8 16	7 57 7 56 7 54 7 53 7 52 7 51 7 50	5 48 5 45 5 42 5 38 5 35 5 31 5 28	2 3 2 2 2 1 2 1 2 0 1 59 1 58	5 3 5 3 5 3 5 3 5 4 5 4 5 4
T 29 F 30	21 9 21 19 21 29 21 38 21 47	16 17 4 10 11 16 3 2 5 52 2 3 0 16 1 3 5 s23 0 3	0 22 18 0 7 22 49 0 5 23 17 1 6 23 42 1 8 24 5 1	0 39 9 8 0 48 9 9 0 58 9 11 1 7 9 14 1 15 9 18 1 23 9 22 1n30 9n27	1 6 25 47 1 15 25 51 1 23 25 56 1 30 26 0 1 38 26 5 1 45 26 9 1 s51 26 s14	2 32 2 36 2 40 2 44 2 48	22 56 22 55 22 54 22 52 22 51 22 50 22n48	0 18 0 19 0 19 0 19 0 19		1 37 1 37 1 37 1 37 1 37 1 38 1 s38	8 32 8 31 8 31 8 30 8 30 8 s30	0 46 0 46 0 46 0 46 0 46	19 43 0 19 44 0 19 44 0 19 44 0 19 44 0	17 19 17 19 17 19 17 19 17 19 17 19 17 19	9 9 4 20 9 9 4 20 9 9 4 20 9 9 4 20	8 14 8 14 8 13 8 14 8 14 8 15 8n15	7 48 7 47 7 46 7 45 7 44 7 42 7n41	5 25 5 21 5 18 5 15 5 11 5 8 5n 5	1 58 1 57 1 56 1 56 1 55 1 55 1 s54	5 4 5 5 5 5 5 5 5 5 5 5 5 6

Julian Day Number = 2331135.5, Delta T = 29.53 sec Ecliptic obliquity =  $23^{\circ}29'04$ , Nutation = -  $0^{\circ}00'07$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'19$ , Lahiri =  $19^{\circ}15'19$ Greg. Calendar

JUNE 1670 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ұ(	并	Р	n	Ω	Ç	ę,	Day
S 1	16 38 51	10 <b>II</b> 35'10	9 <b>M</b> .18	19 <b>Ⅱ</b> 53	29 <b>Υ</b> 41	5°R49	16926	7 <b>∺</b> 0	10 <b>)</b> 8	0°R47	0953	21°R 4	19 <b>Y</b> 34	22 <b>m</b> ) 45	13 <b>)</b> 14	S 1
M 2	16 42 47	11°32'32	21°51	21°58	0 <b>8</b> 16	5 <b>云</b> 40	16°38	7° 1	10° 9	0≈46	0°54	21 <b>°</b> 0	19°30	22°51	13°14	M 2
T 3	16 46 44	12°29'53	4 <b>₹</b> 42	24° 0	0°52	5°31	16°50	7° 3	10° 9	0°46	0°56	20°54	19°27	22°58	13°15	T 3
W 4	16 50 41	13°27'14	17°51	26° 1	1°29	5°21	17° 2	7° 4	10°10	0°45	0°57	20°47	19°24	23° 5	13°16	W 4
T 5	16 54 37	14°24'34	1 <b>ට</b> 16	28° 0	2° 8	5°11	17°15	7° 5	10°10	0°44	0°59	20°38	19°21	23°11	13°17	T 5
F 6	16 58 34	15°21'53	14°56	29°57	2°47	4°59	17°27	7° 6	10°11	0°43	1° 0	20°29	19°18	23°18	13°17	F 6
S 7	17 2 30	16°19'11	28°47	1951	3°28	4°48	17°39	7° 8	10°11	0°42	1° 1	20°21	19°15	23°25	13°18	S 7
S 8	17 627	17°16'29	12 <b>≈</b> 47	3°43	4° 9	4°35	17°51	7° 9	10°11	0°41	1° 3	20°15	19°11	23°31	13°18	S 8
M 9	17 10 23	18°13'47	26°52	5°32	4°52	4°22	18° 4	7° 9	10°12	0°40	1° 4	20°11	19°8	23°38	13°19	M 9
T 10	17 14 20	19°11'04	11 <b>)</b> 0	7°20	5°35	4° 8	18°16	7°10	10°12	0°38	1° 6	20° 9	19° 5	23°45	13°19	T 10
W11	17 18 16	20° 8'21	25° 9	9° 4	6°20	3°54	18°29	7°11	10°12	0°37	1° 7	20°D 9	19° 2	23°51	13°19	W11
T 12	17 22 13	21° 5'37	9 <b>Υ</b> 17	10°47	7° 5	3°39	18°41	7°11	10°12	0°36	1° 9	20° 9	18°59	23°58	13°20	T 12
F 13	17 26 10	22° 2'53	23°25	12°27	7°51	3°24	18°54	7°12	10°12	0°35	1°10	20°R 9	18°55	24° 5	13°20	F 13
S 14	17 30 6	23° 0'09	7 <b>8</b> 29	14° 4	8°38	3° 8	19° 7	7°12	10°R12	0°34	1°12	20° 8	18°52	24°11	13°20	S 14
S 15	17 34 3	23°57'25	21°28	15°39	9°26	2°52	19°19	7°13	10°12	0°33	1°13	20° 5	18°49	24°18	13°20	S 15
M16	17 37 59	24°54'41	5 <b>Ⅱ</b> 19	17°11	10°14	2°35	19°32	7°13	10°12	0°31	1°14	19°59	18°46	24°25	13°R20	M16
T 17	17 41 56	25°51'56	18°59	18°41	11° 4	2°18	19°45	7°R13	10°12	0°30	1°16	19°50	18°43	24°31	13°20	T 17
W18	17 45 52	26°49'11	29525	20° 9	11°53	2° 1	19°57	7°13	10°12	0°29	1°17	19°40	18°40	24°38	13°20	W18
T 19	17 49 49	27°46'26	15°35	21°34	12°44	1°43	20°10	7°13	10°12	0°28	1°19	19°29	18°36	24°45	13°20	T 19
F 20	17 53 45	28°43'40	28°27	22°56	13°35	1°25	20°23	7°13	10°12	0°26	1°20	19°18	18°33	24°51	13°20	F 20
S 21	17 57 42	29°40'54	11 <b>0</b> 0	24°16	14°27	1° 7	20°36	7°12	10°11	0°25	1°22	19° 8	18°30	24°58	13°19	S 21
S 22	18 1 39	0938'07	23°18	25°33	15°19	0°49	20°49	7°12	10°11	0°24	1°23	19° 0	18°27	25° 5	13°19	S 22
M23	18 5 35	1°35'20	5 <b>m</b> 22	26°47	16°12	0°31	21° 2	7°11	10°11	0°22	1°25	18°55	18°24	25°11	13°19	M23
T 24	18 9 32	2°32'32	17°16	27°59	17° 6	0°12	21°15	7°11	10°10	0°21	1°26	18°52	18°21	25°18	13°18	T 24
W25	18 13 28	3°29'44	29° 6	29° 7	18° 0	29 <b>×</b> 754	21°28	7°10	10°10	0°19	1°28	18°D51	18°17	25°24	13°18	W25
T 26	18 17 25	4°26'56	10 <b>≏</b> 55	0 <b>Ω</b> 13	18°54	29°35	21°41	7° 9	10° 9	0°18	1°29	18°51	18°14	25°31	13°17	T 26
F 27	18 21 21	5°24'07	22°51	1°16	19°49	29°17	21°54	7° 8	10° 9	0°17	1°31	18°R51	18°11	25°38	13°17	F 27
S 28	18 25 18	6°21'18	4 <b>M</b> .57	2°15	20°45	28°59	22° 7	7° 7	10° 8	0°15	1°32	18°50	18° 8	25°44	13°16	S 28
S 29	18 29 14	7°18'28	17°20	3°12	21°41	28°41	22°20	7° 6	10° 7	0°14	1°34	18°47	18° 5	25°51	13°15	S 29
M30	18 33 11	8 <b>©</b> 15'39	0 <b>≯</b> 2	4 <b>N</b> 5	22 <b>8</b> 37	28 <b>×</b> 23	22933	7 <b>∺</b> 5	10 <b>) ₹</b> 7	0≈12	1935	18 <b>Y</b> 42	18 <b>Y</b> 1	25 <b>m</b> 58	13 <b>)</b> 14	M30

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S 1	22n 5	16s 9 1	s37 2	24n42	1n37	9n33	1 s58	26 s18	2 s 5 7	22n47	0n19	10 s29	1 s38	8 s30	0 s46	19s45	0n17	19n 9	4 s 2 0	8n14	7n40	5n 1	1 s54	5n 6
M 2	22 13	20 48 2	2 38 2	24 57	1 42	9 39	2 4	26 23	3 1	22 46	0 19	10 28	1 38	8 30	0 46	19 45	0 17	19 9	4 20	8 13	7 39	4 58	1 53	5 6
T 3	22 20	24 36 3	32 2	25 8	1 47	9 46	2 9	26 27	3 5	22 44	0 19	10 28	1 39	8 29	0 46	19 45	0 17	19 9	4 20	8 10	7 38	4 55	1 53	5 6
W 4	22 27	27 12 4	17 2	25 17	1 52	9 54	2 15	26 32	3 10	22 43	0 19	10 28	1 39	8 29	0 46	19 45	0 17	19 9	4 20	8 8	7 36	4 51	1 52	5 7
T 5	22 34	28 17 4	48 2	25 24	1 56	10 2	2 20	26 37	3 14	22 41	0 19	10 27	1 39	8 29	0 46	19 45	0 17	19 9	4 19	8 4	7 35	4 48	1 52	5 7
F 6	22 41	27 41 5	4 2	25 28	1 58	10 11	2 25	26 41	3 18	22 40	0 19	10 27	1 39	8 29	0 46	19 46	0 17	19 9	4 19	8 1	7 34	4 44	1 51	5 7
S 7	22 47	25 22 5	2 2	25 29	2 1	10 21	2 30	26 46	3 22	22 38	0 19	10 27	1 40	8 29	0 46	19 46	0 17	19 9	4 19	7 58	7 33	4 41	1 51	5 7
S 8	22 52	21 31 4	42 2	25 28	2 2	10 30	2 34	26 51	3 27	22 37	0 19	10 27	1 40	8 29	0 46	19 46	0 17	19 10	4 19	7 56	7 32	4 38	1 50	5 8
M 9	22 58	16 25 4	5 2	25 25	2 3	10 41	2 38	26 55	3 31	22 35	0 19	10 27	1 40	8 29	0 47	19 46	0 17	19 10	4 19	7 54	7 30	4 34	1 50	5 8
T 10	23 3	10 26 3	13 2	25 19	2 3	10 51	2 42	27 0	3 35	22 33	0 19	10 27	1 40	8 29	0 47	19 47	0 17	19 10	4 19	7 53	7 29	4 31	1 50	5 8
W11	23 7	3 55 2	2 10 2	25 12	2 2	11 3	2 46	27 4	3 39	22 32	0 20	10 27	1 41	8 29	0 47	19 47	0 17	19 10	4 19	7 53	7 28	4 28	1 49	5 8
T 12	23 11	2n48 0	58 2	25 3	2 0	11 14	2 49	27 9	3 43	22 30	0 20	10 27	1 41	8 29	0 47	19 47	0 17	19 10	4 19	7 53	7 27	4 24	1 49	5 9
F 13	23 15	9 23 0	n17 2	24 52	1 58	11 26	2 53	27 13	3 47	22 28	0 20	10 27	1 41	8 29	0 47	19 47	0 17	19 10	4 19	7 54	7 26	4 21	1 49	5 9
S 14	23 18	15 28 1	31 2	24 39	1 55	11 38	2 56	27 18	3 51	22 27	0 20	10 27	1 41	8 29	0 47	19 48	0 17	19 10	4 19	7 53	7 24	4 17	1 48	5 9
S 15	23 21	20 43 2	39 2	24 25	1 52	11 51	2 58	27 22	3 55	22 25	0 20	10 27	1 41	8 29	0 47	19 48	0 17	19 10	4 19	7 52	7 23	4 14	1 48	5 9
M16	23 23	24 46 3	36 2	24 9	1 47	12 3	3 1	27 26	3 59	22 23	0 20	10 27	1 42	8 29	0 47	19 48	0 17	19 10	4 19	7 50	7 22	4 11	1 48	5 10
T 17	23 25	27 21 4	20 2	23 52	1 42	12 16	3 3	27 30	4 2	22 21	0 20	10 27	1 42	8 29	0 47	19 48	0 17	19 10	4 19	7 46	7 21	4 7	1 48	5 10
W18	23 27	28 17 4	49 2	23 34	1 37	12 29			4 6	22 20	0 20	10 27	1 42	8 29	0 47	19 49	0 17	19 10	4 19	7 42	7 20	4 4	1 47	5 10
T 19	23 28	27 34 5	2 2	23 15	1 31	12 43	3 7	27 38	4 10	22 18	0 20	10 28	1 42	8 29	0 47	19 49	0 17	19 10	4 19	7 38	7 18	4 0	1 47	5 10
F 20	23 29	25 23 4	59 2	22 54	1 24	12 56	3 9	27 42	4 13	22 16	0 20	10 28	1 43	8 29	0 47	19 49	0 17	19 10	4 18	7 34	7 17	3 57	1 47	5 10
S 21	23 29	22 0 4	41 2	22 33	1 16	13 10	3 11	27 45	4 17	22 14	0 20	10 28	1 43	8 29	0 47	19 49	0 17	19 10	4 18	7 30	7 16	3 54	1 47	5 11
S 22	23 29	17 43 4	11 2	22 11	1 8	13 24	3 12	27 49	4 20	22 12	0 20	10 29	1 43	8 29	0 47	19 50	0 17	19 10	4 18	7 27	7 15	3 50	1 47	5 11
M23	23 28	12 48 3	29 2	21 49	1 0	13 38	3 13	27 52	4 23	22 10	0 20	10 29	1 43	8 30	0 47	19 50	0 17	19 10	4 18	7 25	7 13	3 47	1 47	5 11
T 24	23 28	7 29 2	39 2	21 26	0 51	13 52	3 14	27 55	4 26	22 8	0 20	10 30	1 44	8 30	0 47	19 50	0 17	19 10	4 18	7 24	7 12	3 43	1 47	5 11
W25	23 26	1 56 1	43 2	21 2	0 41	14 6	3 15	27 58	4 29	22 6	0 21	10 30	1 44	8 30	0 47	19 51	0 17	19 10	4 18	7 24	7 11	3 40	1 47	5 12
T 26	23 25	3 s41 0	42 2	20 39	0 31	14 20	3 16	28 1	4 32	22 4	0 21	10 31	1 44	8 30	0 47	19 51	0 17	19 10	4 18	7 24	7 10	3 37	1 47	5 12
F 27	23 22	9 14 0	s21 2	20 15	0 20	14 35	3 16	28 4	4 35	22 2	0 21	10 31	1 44	8 30	0 47	19 51	0 17	19 10	4 18	7 24	7 9	3 33	1 47	5 12
S 28	23 20	14 31 1	24 1	19 50	0 9	14 49	3 16	28 7	4 38	22 0	0 21	10 32	1 44	8 31	0 47	19 52	0 17	19 11	4 18	7 23	7 7	3 30	1 47	5 12
S 29	23 17	19 21 2	2 25 1	19 26	0s 3	15 3	3 17	28 9	4 40	21 58	0 21	10 32	1 45	8 31	0 47	19 52	0 17	19 11	4 18	7 22	7 6	3 26	1 47	5 13
M30	23n14	23 s27 3	s20 1	19n 2	0s15	15n18	3 s 1 7	28 s11	4 s43	21n56	0n21	10 s33	1 s45	8 s31	0 s47	19s52	0n17	19n11	4s18	7n20	7n 5	3n23	1 s47	5n13

Julian Day Number = 2331166.5, Delta T = 29.48 sec Ecliptic obliquity = 23°29'04, Nutation = - 0°00'07, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°08'23, Lahiri = 19°15'24Greg. Calendar

JULY 1670 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	Ж,	卉	Р	r.	U	Ç	, k	Day
T 1	18 37 8	99512'49	13 <b>∡</b> 6	4 <b>Ω</b> 55	23834	28°R 6	229546	7°R 4	10°R 6	0°R11	1937	18°R34	17 <b>Y</b> 58	26Mp 4	13°R14	T 1
W 2	18 41 4	10°10'00	26°32	5°41	24°32	27 <b>×7</b> 49	22°59	7 <b>)</b> 2	10 <b>米</b> 5	0≈ 9	1°38	18 <b>Y</b> 24	17°55	26°11	13 <b>米</b> 13	W 2
T 3	18 45 1	11° 7'10	10 <b>궁</b> 20	6°24	25°29	27°32	23°13	7° 1	10° 4	0° 8	1°40	18°13	17°52	26°18	13°12	T 3
F 4	18 48 57	12° 4'21	24°25	7° 2	26°27	27°16	23°26	6°59	10° 3	0° 6	1°41	18° 1	17°49	26°24	13°11	F 4
S 5	18 52 54	13° 1'31	8≈42	7°37	27°26	27° 0	23°39	6°58	10° 2	0° 5	1°42	17°51	17°46	26°31	13°10	S 5
S 6	18 56 50	13°58'42	23° 7	8° 8	28°25	26°44	23°52	6°56	10° 1	0° 3	1°44	17°42	17°42	26°38	13° 9	S 6
M 7	19 0 47	14°55'54	7 <b>₩</b> 32	8°35	29°24	26°29	24° 6	6°54	10° 0	0° 2	1°45	17°36	17°39	26°44	13° 8	M 7
T 8	19 4 44	15°53'06	21°53	8°57	0∏24	26°15	24°19	6°52	9°59	0° 0	1°47	17°33	17°36	26°51	13° 7	T 8
W 9	19 8 40	16°50'18	6 <b>Υ</b> 8	9°15	1°24	26° 1	24°32	6°50	9°58	29 <b>궁</b> 59	1°48	17°32	17°33	26°58	13° 5	W 9
T 10	19 12 37	17°47'31	20°14	9°28	2°24	25°48	24°45	6°48	9°57	29°57	1°50	17°32	17°30	27° 4	13° 4	T 10
F 11	19 16 33	18°44'45	4811	9°37	3°25	25°35	24°59	6°46	9°56	29°55	1°51	17°31	17°27	27°11	13° 3	F 11
S 12	19 20 30	19°41'59	17°58	9°R40	4°26	25°23	25°12	6°44	9°55	29°54	1°53	17°30	17°23	27°18	13° 1	S 12
S 13	19 24 26	20°39'15	1 <b>П</b> 36	9°39	5°27	25°12	25°25	6°41	9°53	29°52	1°54	17°25	17°20	27°24	13° 0	S 13
M14	19 28 23	21°36'31	15° 4	9°33	6°29	25° 1	25°39	6°39	9°52	29°51	1°55	17°18	17°17	27°31	12°58	M14
T 15	19 32 19	22°33'47	28°20	9°23	7°31	24°51	25°52	6°36	9°51	29°49	1°57	17° 9	17°14	27°38	12°57	T 15
W16	19 36 16	23°31'05	119925	9° 7	8°33	24°42	26° 5	6°34	9°49	29°47	1°58	16°57	17°11	27°44	12°55	W16
T 17	19 40 13	24°28'22	24°16	8°47	9°35	24°33	26°19	6°31	9°48	29°46	2° 0	16°44	17° 7	27°51	12°54	T 17
F 18	19 44 9	25°25'41	6 <b>Ω</b> 53	8°22	10°38	24°26	26°32	6°28	9°46	29°44	2° 1	16°31	17° 4	27°58	12°52	F 18
S 19	19 48 6	26°23'00	19°17	7°53	11°41	24°19	26°45	6°25	9°45	29°42	2° 2	16°20	17° 1	28° 4	12°50	S 19
S 20	19 52 2	27°20'19	1 <b>m</b> ) 27	7°20	12°44	24°13	26°59	6°22	9°43	29°41	2° 4	16°11	16°58	28°11	12°49	S 20
M21	19 55 59	28°17'39	13°27	6°44	13°47	24° 8	27°12	6°19	9°42	29°39	2° 5	16° 4	16°55	28°18	12°47	M21
T 22	19 59 55	29°15'00	25°18	6° 4	14°51	24° 4	27°25	6°16	9°40	29°38	2° 6	16° 0	16°52	28°24	12°45	T 22
W23	20 3 52	$0\Omega$ 12'20	7 <b>♀</b> 6	5°23	15°55	24° 0	27°39	6°13	9°38	29°36	2° 8	15°59	16°48	28°31	12°43	W23
T 24	20 7 48	1° 9'42	18°54	4°39	16°59	23°58	27°52	6°10	9°37	29°34	2° 9	15°D58	16°45	28°37	12°41	T 24
F 25	20 11 45	2° 7'04	0 <b>M</b> .49	3°55	18° 3	23°56	28° 5	6° 6	9°35	29°33	2°10	15°R58	16°42	28°44	12°39	F 25
S 26	20 15 42	3° 4'27	12°55	3°11	19° 8	23°55	28°19	6° 3	9°33	29°31	2°12	15°58	16°39	28°51	12°37	S 26
S 27	20 19 38	4° 1'50	25°17	2°27	20°12	23°D55	28°32	6° 0	9°31	29°29	2°13	15°56	16°36	28°57	12°35	S 27
M28	20 23 35	4°59'14	8 <b>√</b> 2	1°44	21°17	23°56	28°45	5°56	9°30	29°28	2°14	15°52	16°33	29° 4	12°33	M28
T 29	20 27 31	5°56'38	2 <u>1</u> °11	1° 4	22°22	23°57	28°58	5°52	9°28	29°26	2°15	15°46	16°29	29°11	12°31	T 29
W30	20 31 28	6°54'04	4 <b>조</b> 46	0°27	23°28	24° 0	29°12	5°49	9°26	2 <u>9</u> °25	2°17	15°37	16°26	29°17	12°29	W30
T 31	20 35 24	7 <b>Ω</b> 51'30	18 <b>궁</b> 48	29953	24 <b>Ⅱ</b> 33	24 <b>⋌</b> 3	299525	5 <b>)</b> 45	9 <b>∺</b> 24	29 <b>궁</b> 23	29518	15 <b>℃</b> 27	16 <b>℃</b> 23	29 Mp 24	12 <b>米</b> 26	T 31

Day	0	D	ğ	·	♂	4	ħ	)Å(	卉	В	ß	v	Ç	ķ
	decl	decl lat	decl lat	decl lat de	cl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
T 1 W 2 T 3 F 4	23n10 23 6 23 1 22 56	28 6 4 39 28 2 4 58	18 14 0 4 17 51 0 5	10 15 46 3 16 28	15 4 47 17 4 49	21n54 0n2 21 52 0 2 21 50 0 2 21 48 0 2	10 34 1 45 10 35 1 46	8 32 0 47 8 32 0 47	19 53 0 17 19 53 0 17	19 11 4 18 19 11 4 18		7n 4 7 3 7 1 7 0	3n20 3 16 3 13 3 9	1 s47 5 n13 1 47 5 13 1 47 5 13 1 47 5 14
S 5		26 10 4 59 22 38 4 41				21 46 0 2				19 11 4 18		6 59	3 6	1 47 5 14 1 48 5 14
S 6 M 7 T 8 W 9 T 10 F 11 S 12	22 45 22 39 22 32 22 25 22 18 22 10 22 2	11 46 3 14 5 14 2 11 1n31 1 0 8 9 0n14 14 18 1 27	15 46 2 1 15 28 2 3 15 12 2 4	19     16     55     3     13     28       3     17     9     3     12     28       8     17     22     3     10     28       12     17     35     3     9     28	22 4 56 23 4 57 24 4 58 24 4 59 25 5 0	21 43 0 2 21 41 0 2 21 39 0 2 21 37 0 2 21 34 0 2 21 32 0 2 21 30 0 2	1 10 39 1 47 2 10 39 1 47 2 10 40 1 47 2 10 41 1 47 2 10 42 1 47	8 34 0 48 8 34 0 48 8 35 0 48 8 35 0 48 8 36 0 48	19 55 0 17 19 55 0 17	19 11 4 18 19 11 4 18 19 11 4 18 19 11 4 18	6 55 6 54 6 54 6 54 6 53	6 58 6 56 6 55 6 54 6 53 6 52 6 50	3 3 2 59 2 56 2 52 2 49 2 46 2 42	1 48 5 14 1 48 5 14 1 48 5 14 1 49 5 15 1 49 5 15 1 49 5 15 1 50 5 15
S 13 M14 T 15 W16 T 17 F 18 S 19	21 54 21 45 21 36 21 26	23 57 3 30 26 52 4 15 28 13 4 45 27 57 4 59 26 11 4 58 23 8 4 42	14 44 3 1 14 32 3 2 14 23 3 4 14 15 3 5 14 9 4 14 4 4 1	5 18 14 3 5 28 8 18 26 3 3 28 12 18 38 3 1 28 14 18 49 2 59 28 6 19 1 2 57 28 7 19 12 2 55 28	25 5 2 26 5 2 26 5 3 26 5 3 25 5 3	21 27 0 22 21 25 0 22 21 23 0 22	2 10 45 1 48 2 10 46 1 48 2 10 47 1 48 2 10 48 1 48 2 10 49 1 49 2 10 50 1 49	8 37 0 48 8 37 0 48 8 38 0 48 8 38 0 48 8 39 0 48 8 40 0 48	19 57 0 17 19 57 0 17 19 57 0 17 19 58 0 17 19 58 0 17 19 58 0 17	19 11 4 18 19 11 4 18 19 11 4 18 19 11 4 17 19 11 4 17	6 51 6 48 6 45 6 40 6 35 6 30	6 49 6 48 6 47 6 46 6 44 6 43 6 42	2 39 2 35 2 32 2 29 2 25 2 22 2 18	1 50 5 15 1 50 5 16 1 51 5 16 1 51 5 16 1 52 5 16 1 52 5 16 1 53 5 17
S 20 M21 T 22 W23 T 24 F 25 S 26	20 33 20 21 20 9 19 56 19 44	3 31 1 47 2s 6 0 47 7 40 0s16 13 0 1 18	14 4 4 4 4 14 8 4 4 14 14 4 5 14 21 4 5 14 31 4 5	12 19 43 2 48 28 18 19 53 2 45 28 12 20 2 2 43 28	24 5 3 24 5 3 23 5 3 22 5 2 22 5 1	21 8 0 2 21 5 0 2 21 3 0 2 21 0 0 2 20 58 0 2	3     10     56     1     50       3     10     57     1     50       3     10     58     1     50       3     11     0     1     50		19 59 0 17 20 0 0 17 20 0 0 17 20 0 0 17 20 1 0 17 20 1 0 17	19 11 4 17 19 11 4 17 19 11 4 17 19 11 4 17	6 20 6 18 6 18 6 18 6 18	6 41 6 39 6 38 6 37 6 36 6 35 6 33	2 15 2 11 2 8 2 5 2 1 1 58 1 54	1 53 5 17 1 54 5 17 1 54 5 17 1 55 5 17 1 55 5 17 1 56 5 18 1 57 5 18
S 27 M28 T 29 W30 T 31	19 3 18 49 18 35	25 38 4 0 27 47 4 36 28 21 4 58	15 8 4 4 15 23 4 4 15 38 4 3	22 20 36 2 32 28 88 20 43 2 29 28 82 20 50 2 26 28 84 20 57 2 23 28 84 21n 3 2s20 28s	20 4 59 19 4 58 18 4 57	20 52 0 2 20 50 0 2 20 47 0 2 20 44 0 2 20n42 0n2	3 11 4 1 51 3 11 5 1 51	8 46 0 48 8 47 0 48 8 48 0 48	20 2 0 17 20 2 0 17 20 3 0 17	19 11 4 17 19 11 4 17	6 15 6 13 6 10	6 32 6 31 6 30 6 28 6n27	1 51 1 48 1 44 1 41 1n37	1 57 5 18 1 58 5 18 1 59 5 18 1 59 5 18 2 s 0 5 n 18

Julian Day Number = 2331196.5, Delta T = 29.42 sec Ecliptic obliquity = 23°29'04, Nutation = -0°00'05, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°08'27, Lahiri = 19°15'28Greg. Calendar

AUGUST 1670 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	<del>¥</del>	Р	r	v	Ç	ę,	Day
F 1	20 39 21	8 <b>Ω</b> 48'57	3≈11	29°R24	25∏39	24 <b>才</b> 7	29938	5°R41	9°R22	29°R21	29519	15°R17	16 <b>Y</b> 20	29 <b>m</b> 31	12°R24	F 1
S 2	20 43 17	9°46'25	17°51	2999 0	26°45	24°12	29°51	5 <b>₩</b> 37	9 <b>∺</b> 20	29 <b>궁</b> 20	2°20	15 <b>Y</b> 8	16°17	29°37	12 <b>米</b> 22	S 2
S 3	20 47 14	10°43'54	2 <b>)</b> (40	28°42	27°51	24°18	ON 5	5°34	9°18	29°18	2°22	15° 0	16°13	29°44	12°20	S 3
M 4	20 51 11	11°41'24	17°28	28°29	28°57	24°24	0°18	5°30	9°16	29°17	2°23	14°55	16°10	29°51	12°17	M 4
T 5	20 55 7	12°38'56	2 <b>Υ</b> 10	28°D23	0	24°32	0°31	5°26	9°14	29°15	2°24	14°53	16° 7	29°57	12°15	T 5
W 6	20 59 4	13°36'29	16°40	28°24	1°10	24°40	0°44	5°22	9°12	29°13	2°25	14°D52	16° 4	0요 4	12°12	W 6
T 7	21 3 0	14°34'03	0 <b>8</b> 55	28°32	2°17	24°49	0°57	5°18	9°10	29°12	2°26	14°53	16° 1	0°11	12°10	T 7
F 8	21 6 57	15°31'39	14°52	28°46	3°24	24°58	1°10	5°13	9°8	29°10	2°28	14°R53	15°58	0°17	12° 8	F 8
S 9	21 10 53	16°29'17	28°34	29° 8	4°31	25° 9	1°23	5° 9	9° 6	29° 9	2°29	14°52	15°54	0°24	12° 5	S 9
S 10	21 14 50	17°26'56	11耳59	29°37	5°39	25°20	1°36	5° 5	9° 3	29° 7	2°30	14°50	15°51	0°31	12° 3	S 10
M11	21 18 46	18°24'36	25°10	0 <b>Ω</b> 13	6°46	25°32	1°49	5° 1	9° 1	29° 6	2°31	14°45	15°48	0°37	12° 0	M11
T 12	21 22 43	19°22'19	8 <b>95</b> 7	0°57	7°54	25°44	2° 2	4°57	8°59	29° 4	2°32	14°38	15°45	0°44	11°57	T 12
W13	21 26 40	20°20'02	20°51	1°47	9° 1	25°57	2°15	4°52	8°57	29° 3	2°33	14°29	15°42	0°51	11°55	W13
T 14	21 30 36	21°17'47	$3\Omega 24$	2°44	10° 9	26°11	2°28	4°48	8°55	29° 1	2°34	14°19	15°39	0°57	11°52	T 14
F 15	21 34 33	22°15'34	15°45	3°47	11°17	26°26	2°41	4°43	8°52	29° 0	2°35	14°10	15°35	1° 4	11°49	F 15
S 16	21 38 29	23°13'22	27°56	4°57	12°26	26°41	2°54	4°39	8°50	28°58	2°36	14° 1	15°32	1°10	11°47	S 16
S 17	21 42 26	24°11'11	9 <b>m</b> 57	6°12	13°34	26°58	3° 7	4°35	8°48	28°57	2°37	13°54	15°29	1°17	11°44	S 17
M18	21 46 22	25° 9'02	21°51	7°34	14°42	27°14	3°20	4°30	8°45	28°55	2°38	13°50	15°26	1°24	11°41	M18
T 19	21 50 19	26° 6'54	3 <b>॒</b> 39	9° 0	15°51	27°32	3°33	4°26	8°43	28°54	2°39	13°47	15°23	1°30	11°39	T 19
W20	21 54 15	27° 4'47	15°25	10°32	17° 0	27°50	3°45	4°21	8°41	28°53	2°40	13°D46	15°19	1°37	11°36	W20
T 21	21 58 12	28° 2'42	27°13	12° 8	18° 9	28° 8	3°58	4°17	8°38	28°51	2°41	13°47	15°16	1°44	11°33	T 21
F 22	22 2 9	29° 0'38	9 <b>™</b> 7	13°48	19°18	28°27	4°11	4°12	8°36	28°50	2°42	13°49	15°13	1°50	11°30	F 22
S 23	22 6 5	29°58'35	21°11	15°32	20°27	28°47	4°23	4° 8	8°34	28°49	2°43	13°50	15°10	1°57	11°28	S 23
S 24	22 10 2	0 <b>m</b> 56'34	3 <b>₹</b> 32	17°18	21°36	29° 8	4°36	4° 3	8°31	28°47	2°44	13°R50	15° 7	2° 4	11°25	S 24
M25	22 13 58	1°54'34	16°14	19° 7	22°45	29°29	4°49	3°58	8°29	28°46	2°44	13°49	15° 4	2°10	11°22	M25
T 26	22 17 55	2°52'36	29°20	20°59	23°55	29°50	5° 1	3°54	8°27	28°45	2°45	13°46	15° 0	2°17	11°19	T 26
W27	22 21 51	3°50'39	12 <b>る</b> 55	22°52	25° 4	0 <b>궁</b> 12	5°13	3°49	8°24	28°43	2°46	13°42	14°57	2°24	11°16	W27
T 28	22 25 48	4°48'43	26°58	24°46	26°14	0°35	5°26	3°45	8°22	28°42	2°47	13°37	14°54	2°30	11°13	T 28
F 29	22 29 44	5°46'49	11≈27	26°42	27°24	0°58	5°38	3°40	8°19	28°41	2°48	13°31	14°51	2°37	11°11	F 29
S 30	22 33 41	6°44'56	26°17	28°38	28°34	1°22	5°51	3°36	8°17	28°40	2°49	13°25	14°48	2°44	11° 8	S 30
S 31	22 37 38	7 <b>m</b> 43'05	11 <b>米</b> 20	0 <b>m</b> 34	295544	1 <b>る</b> 46	6 <b>N</b> 3	3 <b>∺</b> 31	8 <b>₩</b> 15	28 <b>궁</b> 39	2 <b>5</b> 49	13 <b>Y</b> 21	14 <b>Y</b> 45	2 <b>ჲ</b> 50	11 <b>米</b> 5	S 31

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S 24 M25 T 26	10 49 10 28	27 20 4 36 28 30 5 1	16 25 15 55	1 14 20 51 1 22 20 43 1 28 20 35	0 55 27 48 0 51 27 46 0 47 27 44	4 17 4 15	19 34 19 31 19 29	0 26 0 26 0 26	11 51 11 52	1 54 1 54 1 54	9 9 9 10	0 49 0 49	20 11 0 20 11 0 20 11 0	6 19 1 6 19	4 18 9 4 18	5 28 5 28 5 27	5 58 5 57 5 55	0 15 0 11 0 8	2 22 5 20 2 23 5 20 2 24 5 20
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S 31	8n41	9s53 2s46	12n57	1n46 19n46	0s29 27s34	4s 5	19n14	0n27	12s 1	1 s55	9s15	0 s49	20 s 13 0n	6 19n	4s18	5n17	5n49	0s 9	2 s 3 0 5 n 2 0

Julian Day Number = 2331227.5, Delta T = 29.37 sec

Ecliptic obliquity =  $23^{\circ}29'04$ , Nutation = -  $0^{\circ}00'03$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'32$ , Lahiri =  $19^{\circ}15'32$ Greg. Calendar

SEPTEMBER 1670 GC 00:00 UT

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T 2   22 45 31   9°39/28   11¶30   4°27   2° 4   2°35   6°27   3H22   8H10   28€36   2°51   13°P18   14°38   3° 3   10\(\frac{4}{6}\)50   6°23   3°15   3° 1   6°39   3°17   8° 7   28°35   2°51   13°P18   14°35   3° 1   10°56   V 3   22 49 27   10°3742   26°19   6°23   3°15   3°15   3°1   3°3   3°15   3°13   8° 7   28°35   2°51   13°P18   14°35   3°10   10°56   V 3   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25°52   25	Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	n	ß	Ç	ę,	Day
W 3         22 49 27         10°37′42         26°19         6°23         3°15         3°1         6°39         3°17         8° 7         28°35         2°51         13°N 8         10°56         3°10         10°56         7         14°22         3°27         10°35         3°17         8° 7         28°35         2°51         13°N 18         14°32         3°17         10°53         7           F 5         22 57 20         12°34′18         24°58         10°13         5°36         3°53         7°3         3°8         8°3         28°33         2°53         13°21         14°29         3°23         10°50         F           S 6         23°1 17         13°32′38         8 II43         12° 7         6°47         4°20         7°15         3°4         8°0         28°32         2°53         13°822         14°22         3°37         10°45         8         8°1         28°31         2°54         13°22         14°22         3°37         10°45         8         1         8°3         28°31         2°54         13°22         14°22         3°37         10°45         8         1         13°10         18°24         14°10         3°3         10°48         8         2°51         7°53         2	M 1	22 41 34	8 <b>m</b> 41'16		2 Mp 31		2 <b>ට</b> 10	6 <b>Ω</b> 15				2950	13°R19	14 <b>Y</b> 41			M 1
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	W 3	22 49 27					3° 1							14°35			W 3
$\begin{array}{c} 8 & 6 & 23 & 117 & 13°32'38 & 8 \overline{143} & 12° & 7 & 6°47 & 4°20 & 7°15 & 3° & 4 & 8° & 0 & 28°32 & 2°53 & 13°822 & 14°25 & 3°30 & 10°48 & 8° \\ 8 & 7 & 23 & 5 & 13 & 14°31'01 & 22° & 7 & 14° & 1 & 7°58 & 4°47 & 7°27 & 3° & 0 & 7°58 & 28°31 & 2°54 & 13°22 & 14°22 & 3°37 & 10°45 & 8° \\ M & 8 & 23 & 9 & 10 & 15°29'27 & 5©510 & 15°53 & 9° & 9 & 5°15 & 7°39 & 2°55 & 7°66 & 28°30 & 2°54 & 13°20 & 14°19 & 3°43 & 10°42 & 17°51 & 17°45 & 10°20 & 5°43 & 7°50 & 25°51 & 7°56 & 28°30 & 2°55 & 13°18 & 14°16 & 3°50 & 10°39 & 17°10 & 23°17 & 3 & 17°26'23 & 0026 & 19°35 & 11°31 & 6°12 & 8° & 2 & 2°46 & 7°51 & 28°28 & 2°56 & 13°14 & 14°13 & 3°57 & 10°36 & 17°14 & 12°32 & 10°32 & 11°31 & 6°12 & 8° & 2 & 2°46 & 7°51 & 28°28 & 2°56 & 13°14 & 14°13 & 3°57 & 10°30 & 17°14 & 23°12 & 18°24'55 & 12°44 & 21°25 & 12°42 & 6°41 & 8°14 & 2°42 & 7°48 & 28°27 & 2°56 & 13°10 & 14°10 & 4° & 3 & 10°33 & 17°10 & 8°25 & 2°38 & 7°46 & 28°26 & 2°57 & 13° & 14° & 6 & 4°10 & 10°30 & 18°13 & 23°18 & 23°18 & 13°53 & 7°10 & 8°25 & 2°34 & 7°44 & 28°25 & 2°57 & 13° & 14° & 6 & 4°10 & 10°30 & 18°14 & 23°12 & 23°13 & 23°13 & 28°32 & 17°28 & 8°40 & 8°59 & 2°25 & 7°39 & 28°24 & 2°58 & 12°58 & 13°57 & 4°30 & 10°22 & 11°14 & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 11° & 1$	T 4		11°35'59	10850		4°25	3°27						13°19	14°32			T 4
S 7       23 5 13       14°31'01       22° 7       14° 1       7°58       4°47       7°27       3° 0       7°58       28°31       2°54       13°22       14°22       3°37       10°45       8         M 8       23 9 10       15°29'27       5©10       15°53       9° 9       5°15       7°39       2°55       7°56       28°30       2°54       13°20       14°19       3°43       10°42       M         T 9       23 13 7       16°27'54       17°55       17°45       10°20       5°43       7°50       2°51       7°53       28°29       2°55       13°18       14°16       3°50       10°36       N         W10       23 17       3 17°26'23       0Ω26       19°35       11°31       6°12       8° 2       2°46       7°51       28°28       2°56       13°14       14°13       3°57       10°36       N         T 11       23 21 0       18°24'55       12°44       21°25       12°42       6°41       8°14       2°42       7°48       28°26       2°57       13°6       14°6       4°10       10°30       F         S 12       23 24 56       19°23'28       24°51       23°13       13°53       7°10       8°25       23	F 5	22 57 20						, -					-	-			F 5
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T 0 23 13 7 16°27°54 17°55 17°45 10°20 5°43 7°50 2°51 7°53 28°29 2°55 13°18 14°16 3°50 10°39 T W10 23 17 3 17°26′23 0Ω26 19°35 11°31 6°12 8° 2 2°46 7°51 28°28 2°56 13°14 14°13 3°57 10°36 V T 11 23 21 0 18°24′55 12°44 21°25 12°42 6°41 8°14 2°42 7°48 28°27 2°56 13°14 14°10 4° 3 10°33 F F 12 23 24 56 19°23′28 24′51 23°13 13°53 7°10 8°25 2°38 7°46 28°26 2°57 13° 6 14° 6 4°10 10°30 F S 13 23 28 53 20°22′04 6№51 25° 0 15° 5 7°40 8°37 2°34 7°44 28°25 2°57 13° 6 14° 6 4°10 10°30 F S 13 23 28 53 20°22′04 6№51 25° 0 15° 5 7°40 8°37 2°34 7°44 28°25 2°57 13° 2 14° 3 4°17 10°28 S 14 23 32 49 21°20′41 18°44 26°47 16°16 8°10 8°48 2°29 7°41 28°25 2°57 13° 2 14° 3 4°17 10°28 S 14 23 32 49 21°20′41 18°44 26°47 16°16 8°10 8°48 2°29 7°41 28°25 2°57 12°59 14° 0 4°23 10°25 N 15 23 36 46 22°19′20 0№33 28°32 17°28 8°40 8°59 2°25 7°39 28°24 2°58 12°58 13°57 4°30 10°22 N 16 23 40 42 23°18′02 12°19 0№16 18°40 9°11 9°11 2°21 7°37 28°23 2°58 12°58 13°57 13°54 4°37 10°19 T 18 23 48 36 25°15′30 5™57 3°42 21° 3 10°13 9°33 2°13 7°32 28°22 2°59 12°59 13° 0 13° 4 4°50 10°14 T F 19 23 52 32 26°14′17 17°53 5°23 22°15 10°45 9°44 2° 9 7°30 28°21 2°59 13° 0 13° 1 13° 41 5° 3 10° 8 S 10° 2 3° 2 20° 20° 20° 20° 20° 20° 20° 20° 20°	S 7	23 5 13	14°31'01	22° 7	14° 1		4°47	7°27	3° 0	7°58	28°31	2°54	13°22	14°22	3°37	10°45	S 7
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F12 23 24 56 19°23'28 24°51 23°13 13°53 7°10 8°25 2°38 7°46 28°26 2°57 13° 6 14° 6 4°10 10°30 F8 13 23 28 53 20°22'04 6₱51 25° 0 15° 5 7°40 8°37 2°34 7°44 28°25 2°57 13° 2 14° 3 4°17 10°28 S8 13°23 24°9 21°20'41 18°44 26°47 16°16 8°10 8°48 2°29 7°41 28°25 2°57 12°59 14° 0 4°23 10°25 S8 11° 23 36 46 22°19'20 0 23 3 28°32 17°28 8°40 8°59 2°25 7°39 28°24 2°58 12°58 13°57 4°30 10°22 № № № № № № № № № № № № № № № № № №							-	-	-				-	_			W10
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Mi5   23 36 46   22°19′20   0Ω33   28°32   17°28   8°40   8°59   2°25   7°39   28°24   2°58   12°58   13°57   4°30   10°22   N T 16   23 40 42   23°18′02   12°19   0Ω16   18°40   9°11   9°11   2°21   7°37   28°23   2°58   12°D57   13°54   4°37   10°19   1 N 17   23 44 39   24°16′45   24° 6   2° 0   19°52   9°42   9°22   2°17   7°35   28°22   2°59   12°58   13°51   4°43   10°16   N 18   23 48 36   25°15′30   5 M.57   3°42   21° 3   10°13   9°33   2°13   7°32   28°22   2°59   12°59   13°47   4°50   10°14   T 18   23 48 36   25°15′30   5 M.57   3°42   21° 3   10°13   9°33   2°13   7°32   28°22   2°59   12°59   13°47   4°50   10°14   T 18   23 52 32   26°14′17   17°53   5°23   22°15   10°45   9°44   2° 9   7°30   28°21   2°59   13° 0   13°44   4°56   10°11   F 18   23 56 29   27°13′05   29°59   7° 4   23°27   11°17   9°55   2° 5   7°28   28°20   3° 0   13° 1   13°41   5° 3   10° 8   S	S 13	23 28 53	20°22'04	6 <b>m</b> 51	25° 0	15° 5	7°40	8°37	2°34	7°44	28°25	2°57	13° 2	14° 3	4°17	10°28	S 13
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S 20 23 56 29 27°13′05 29°59 7° 4 23°27 11°17 9°55 2° 5 7°28 28°20 3° 0 13° 1 13°41 5° 3 10° 8 S S 21 0 0 25 28°11′56 12×720 8°43 24°40 11°50 10° 6 2° 1 7°26 28°20 3° 0 13° 1 3° 13 13°38 5°10 10° 5 S M22 0 4 22 29°10′48 24°59 10°22 25°52 12°22 10°16 1°57 7°24 28°19 3° 0 13° 8 3 13°35 5°16 10° 3 N T 23 0 8 18 0 9′42 8 5 1 11°59 27° 4 12°55 10°27 1°54 7°21 28°18 3° 0 13° 8 3 13°35 5°16 10° 3 N W24 0 12 15 1° 8′38 21°27 13°36 28°17 13°29 10°38 1°50 7°19 28°18 3° 1 13° 2 13°28 5°30 9°57 N T 25 0 16 11 2° 7′36 5≈21 15°12 29°29 14° 2 10°48 1°46 7°17 28°17 3° 1 13° 1 13° 2 13°25 5°36 9°55 1 F 26 0 20 8 3° 6′35 19°42 16°47 0 10 42 14°36 10°58 1°43 7°15 28°17 3° 1 13° 0 13°22 5°43 9°52 F S 27 0 24 5 4° 5′36 4 €26 18°21 1°54 15°10 11° 9 1°39 7°13 28°16 3° 1 12°59 13°19 5°50 9°50 S S 28 0 28 1 5° 4′39 19°29 19°54 3° 7 15°45 11°19 1°36 7°11 28°16 3° 1 12°58 13°16 5°56 9°47 S M29 0 31 58 6° 3′43 4 4°42 21°27 4°20 16°19 11°29 1°32 7° 9 28°16 3° 1 12°58 13°12 6° 3 9°45 N					-				-		-					-	T 18
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S 27     0 24 5     4° 5'36     4)4'26     18°21     1°54     15°10     11° 9     1°39     7°13     28°16     3° 1     12°59     13°19     5°50     9°50     S       S 28     0 28 1     5° 4'39     19°29     19°54     3° 7     15°45     11°19     1°36     7°11     28°16     3° 1     12°58     13°16     5°56     9°47     S       M29     0 31 58     6° 3'43     4\mathbf{Y}42     21°27     4°20     16°19     11°29     1°32     7° 9     28°16     3° 1     12°58     13°12     6° 3     9°45     N			- ,50	-	-				-			-	-				T 25
S 28     0 28 1     5° 4'39     19°29     19°54     3° 7     15°45     11°19     1°36     7°11     28°16     3° 1     12°58     13°16     5°56     9°47     S       M29     0 31 58     6° 3'43     4\textbf{Y}42     21°27     4°20     16°19     11°29     1°32     7° 9     28°16     3° 1     12°58     13°12     6° 3     9°45     N									-			-		-			F 26
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T 2	7 58	4n24 0 10	11 34 1 4	47 19 23 0 22	27 29 4 2	19 8 0 27	12 4 1 55	9 17 0 49	20 13 0 16	19 9 4 18	5 15	5 47	0 16	2 32 5 20
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S 21	0 43	26 49 4 33	3 4 0 2	26 13 57 0 40	26 20 3 23	18 14 0 30	12 34 1 55	9 33 0 48	20 17 0 16	19 8 4 19	5 10	5 23	1 21	2 54 5 17
M22	0 20	28 25 5 2	3 49 0	19 13 35 0 43	26 15 3 21	18 11 0 30	12 35 1 55	9 34 0 48	20 17 0 16	19 8 4 19	5 10	5 22	1 25	2 55 5 17
T 23	0s 4	28 30 5 16	4 34 0	12 13 13 0 45	26 10 3 19	18 8 0 30	12 36 1 55	9 34 0 48	20 17 0 16	19 8 4 19	5 10	5 21	1 28	2 56 5 17
W24	0 27	26 56 5 14	5 18 0	5 12 51 0 48	26 4 3 17	18 6 0 30	12 38 1 55	9 35 0 48	20 17 0 16	19 8 4 19	5 9	5 20	1 32	2 57 5 17
T 25	0 51	23 42 4 54	6 1 0s	2 12 28 0 51	25 59 3 15	18 3 0 31	12 39 1 55	9 36 0 48	20 17 0 16	19 8 4 19	5 9	5 18	1 35	2 58 5 17
F 26	1 14	18 58 4 15	6 45 0	9 12 5 0 53	25 53 3 13	18 0 0 31	12 40 1 55	9 37 0 48	20 17 0 16	19 8 4 19	5 9	5 17	1 39	3 0 5 17
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M29	2 25	1n10 0 46	8 51 0 3	30 10 53 1 0	25 35 3 7	17 52 0 31	12 44 1 54	9 39 0 48	20 18 0 15	19 8 4 19	5 8	5 13	1 49	3 3 5 16
T 30	2 s48	8n24 0n39	9 s 3 2 0 s 3	38 10n28 1n 3	25 s29 3 s 6	17n49 0n31	12 s45 1 s54	9 s40 0 s48	20s18 0n15	19n 8 4s19	5n 8	5n12	1 s52	3 s 4 5 n 1 6

 $\label{eq:Julian Day Number = 2331258.5, Delta\ T = 29.32\ sec} \\ Ecliptic\ obliquity = 23°29'05, Nutation = -0°00'03, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 20°08'36, Lahiri = 19°15'36Greg.\ Calendar \\$ 

OCTOBER 1670 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ	)∤(	¥	Р	R	Ω	Ç	ķ	Day
W 1	0 39 51	8 <b>₽</b> 1'59	4 <b>8</b> 58	24 <b>₽</b> 29	6 <b>m</b> )45	17 <b>る</b> 29	11Ω49	1°R26	7°R 5	28°R15	399 2	12 <b>Y</b> 58	13 <b>°</b> 6	6₽16	9°R40	W 1
T 2	0 43 47	9° 1'10	19°44	25°59	7°58	18° 4	11°59	1 <del>)(</del> 23	7 <b>₩</b> 3	28 <b>云</b> 15	3° 2	12°58	13° 3	6°23	9 <b>)</b> (37	T 2
F 3	0 47 44	10° 0'24	4 <b>I</b> 7	27°28	9°12	18°40	12° 9	1°20	7° 1	28°15	3°R 2	12°59	13° 0	6°30	9°35	F 3
S 4	0 51 40	10°59'40	18° 4	28°57	10°25	19°16	12°18	1°17	6°59	28°14	3° 2	12°59	12°56	6°36	9°33	S 4
S 5	0 55 37	11°58'58	1934	0 <b>M</b> 24	11°38	19°52	12°28	1°14	6°57	28°14	3° 2	12°59	12°53	6°43	9°30	S 5
M 6	0 59 34	12°58'19	14°38	1°51	12°51	20°28	12°37	1°11	6°56	28°14	3° 2	12°59	12°50	6°49	9°28	M 6
T 7	1 3 30	13°57'42	27°21	3°17	14° 5	21° 4	12°46	1°8	6°54	28°14	3° 2	12°59	12°47	6°56	9°26	T 7
W 8	1 7 27	14°57'07	9 <b>Ω</b> 45	4°42	15°18	21°41	12°55	1° 6	6°52	28°14	3° 1	12°59	12°44	7° 3	9°24	W 8
T 9	1 11 23	15°56'35	21°55	6° 6	16°32	22°18	13° 5	1° 3	6°50	28°14	3° 1	12°59	12°41	7° 9	9°21	T 9
F 10	1 15 20	16°56'04	3 <b>m</b> 54	7°29	17°45	22°55	13°13	1° 1	6°49	28°D14	3° 1	13° 0	12°37	7°16	9°19	F 10
S 11	1 19 16	17°55'36	15°46	8°52	18°59	23°32	13°22	0°58	6°47	28°14	3° 1	13° 0	12°34	7°23	9°17	S 11
S 12	1 23 13	18°55'10	27°34	10°13	20°12	24° 9	13°31	0°56	6°45	28°14	3° 1	13° 1	12°31	7°29	9°15	S 12
M13	1 27 9	19°54'46	9 <b>≏</b> 21	11°33	21°26	24°47	13°40	0°54	6°44	28°14	3° 1	13°R 1	12°28	7°36	9°13	M13
T 14	1 31 6	20°54'24	21° 9	12°52	22°40	25°25	13°48	0°51	6°42	28°14	3° 0	13° 1	12°25	7°43	9°11	T 14
W15	1 35 2	21°54'05	3 <b>m</b> 1	14°10	23°54	26° 3	13°56	0°49	6°41	28°14	3° 0	13° 0	12°22	7°49	9° 9	W15
T 16	1 38 59	22°53'47	14°58	15°27	25° 8	26°41	14° 5	0°48	6°39	28°14	3° 0	12°59	12°18	7°56	9° 8	T 16
F 17	1 42 56	23°53'31	27° 3	16°42	26°22	27°19	14°13	0°46	6°38	28°14	2°59	12°58	12°15	8° 3	9° 6	F 17
S 18	1 46 52	24°53'17	9 <b>∡</b> 18	17°56	27°36	27°58	14°21	0°44	6°37	28°15	2°59	12°56	12°12	8° 9	9° 4	S 18
S 19	1 50 49	25°53'05	21°46	19° 8	28°50	28°36	14°29	0°42	6°35	28°15	2°59	12°55	12° 9	8°16	9° 2	S 19
M20	1 54 45	26°52'55	4 <b>궁</b> 28	20°18	0요 4	29°15	14°36	0°41	6°34	28°15	2°58	12°53	12° 6	8°22	9° 1	M20
T 21	1 58 42	27°52'47	17°28	21°26	1°18	29°54	14°44	0°39	6°33	28°16	2°58	12°52	12° 2	8°29	8°59	T 21
W22	2 2 38	28°52'40	0≈48	22°32	2°32	0≈33	14°51	0°38	6°32	28°16	2°58	12°D52	11°59	8°36	8°57	W22
T 23	2 6 35	29°52'34	14°30	23°36	3°46	1°12	14°58	0°37	6°31	28°17	2°57	12°52	11°56	8°42	8°56	T 23
F 24	2 10 31	0ML52'31	28°36	24°38	5° 1	1°52	15° 6	0°35	6°29	28°17	2°57	12°53	11°53	8°49	8°54	F 24
S 25	2 14 28	1°52'29	13 <b>米</b> 3	25°36	6°15	2°31	15°13	0°34	6°28	28°17	2°56	12°55	11°50	8°56	8°53	S 25
S 26	2 18 25	2°52'28	27°49	26°31	7°29	3°11	15°19	0°33	6°27	28°18	2°56	12°56	11°47	9° 2	8°51	S 26
M27	2 22 21	3°52'29	12 <b>Y</b> 49	27°22	8°44	3°50	15°26	0°33	6°26	28°19	2°55	12°R56	11°43	9° 9	8°50	M27
T 28	2 26 18	4°52'32	27°56	28°10	9°58	4°30	15°33	0°32	6°25	28°19	2°55	12°56	11°40	9°16	8°49	T 28
W29	2 30 14	5°52'37	12859	28°52	11°13	5°10	15°39	0°31	6°25	28°20	2°54	12°54	11°37	9°22	8°48	W29
T 30	2 34 11	6°52'44	27°51	29°30	12°27	5°50	15°45	0°31	6°24	28°20	2°53	12°51	11°34	9°29	8°46	T 30
F 31	2 38 7	7 <b>M</b> 52'53	12 <b>Ⅲ</b> 22	0 <b>≯</b> 3	13 <b>≏</b> 42	6≈30	15 <b>Ω</b> 51	0 <b>∺</b> 30	6 <b>∺</b> 23	28 <b>ට</b> 21	2953	12 <b>Y</b> 48	11 <b>°</b> 31	9 <b>ჲ</b> 36	8 <b>) (</b> 45	F 31

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	decl	decl lat	decl lat	decl lat de	el lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl d	ecl decl lat
W 1 T 2			10s12 0s45 10 52 0 52			17n47 0n31 17 44 0 32			20s18 0n15 20 18 0 15				s56 3s 5 5n16 59 3 6 5 15
F 3 S 4		25 4 4 8 27 44 4 48	11 31 0 59 12 9 1 6			17 42 0 32 17 39 0 32			20 18 0 15 20 18 0 15			5 8 2 5 7 2	3 3 7 5 15 6 3 9 5 15
S 5 M 6 T 7	4 45 5 8 5 31	27 57 5 18	12 46 1 13 13 23 1 20 13 59 1 27	7 54 1 15 24	2 54	17 37 0 32 17 34 0 32 17 32 0 32	12 51 1 54	9 43 0 48 9 44 0 48 9 44 0 48		19 7 4 20	5 8	5 5 2	10 3 10 5 15 13 3 11 5 14 17 3 12 5 14
W 8 T 9 F 10	5 54 6 17	22 24 4 44 18 8 4 8	14 35 1 33 15 9 1 40	3 7 1 1 18 24 3 0 6 33 1 20 24 2	2 2 50 24 2 48	17 29 0 33 17 27 0 33	12 53 1 54	9 45 0 48 9 46 0 48	20 18 0 15	19 7 4 20 19 7 4 20	5 8 5 8	5 2 2 5 1 2	20 3 13 5 14 23 3 14 5 14 27 3 15 5 13
S 11 S 12	7 3 7 25	2 16 1 25	16 15 1 53 16 47 1 59	5 11 1 25 23	2 42	17 20 0 33	12 55 1 53 12 56 1 53	9 47 0 48	20 18 0 15 20 18 0 15	19 7 4 20	5 9	4 57 2	30 3 16 5 13 34 3 17 5 13
M13 T 14 W15	7 48 8 11 8 33	3 s 2 4 0 2 0 8 5 8 0 s 4 5 1 4 1 4 1 4 9	17 48 2 11 18 17 2 16	1 4 15 1 27 23 4 5 3 47 1 28 23 3	2 38 2 2 36		12 57 1 53 12 58 1 53	9 49 0 48 9 49 0 48	20 18 0 15	19 7 4 20 19 7 4 20	5 9 5 9	4 55 2 4 54 2	37 3 18 5 13 41 3 19 5 12 44 3 20 5 12
T 16 F 17 S 18	8 55 9 17 9 39		18 45 2 21 19 12 2 26 19 37 2 31	5 2 50 1 31 23		17 9 0 34	12 59 1 53	9 50 0 48 9 50 0 48 9 51 0 48		19 7 4 20	5 8	4 51 2	47 3 21 5 12 51 3 22 5 11 54 3 23 5 11
S 19 M20 T 21	10 1 10 23 10 44		20 25 2 39	0 1 24 1 33 22 4	4 2 27	17 2 0 35	13 0 1 53	9 51 0 48	20 18 0 15 20 18 0 15 20 18 0 15	19 7 4 20	5 6	4 47 3	58 3 24 5 11 1 3 24 5 11 5 3 25 5 10
W22 T 23	11 6		21 7 2 46	5 0 26 1 35 22 2	2 23	17 0 0 35 16 58 0 35 16 56 0 35	13 1 1 52	9 52 0 48 9 52 0 48 9 53 0 48	20 18 0 15	19 7 4 20	5 5	4 46 3 4 45 3 4 44 3	5 3 25 5 10 8 3 26 5 10 11 3 27 5 10
F 24 S 25	11 48 12 9	15 26 3 41 9 6 2 38	21 44 2 51 22 0 2 53			16 54 0 36 16 53 0 36	-		20 18 0 15 20 18 0 15				15 3 28 5 9 18 3 29 5 9
S 26 M27 T 28	12 30 12 50 13 10	5n 4 0 1	22 14 2 54 22 26 2 55 22 37 2 54	5 1 59 1 37 21 3	0 2 14	16 51 0 36 16 49 0 36 16 47 0 36	13 3 1 52	9 54 0 48	20 18 0 15 20 18 0 15 20 18 0 15 20 18 0 15	19 7 4 21	5 7	4 39 3	22 3 29 5 9 25 3 30 5 8 29 3 31 5 8
W29 T 30 F 31	13 30 13 50	18 17 2 38 23 20 3 43	22 46 2 53 22 52 2 51 22 s56 2 s48	3 2 57 1 37 21 3 26 1 37 20 5	7 2 10 55 2 9	16 45 0 37 16 44 0 37	13 3 1 52	9 55 0 47 9 55 0 47	20 17 0 15 20 17 0 15 20 17 0 15 20 17 0 015	19 7 4 21 19 7 4 21	5 6 5 5	4 36 3 4 35 3	32 3 32 5 8

Julian Day Number = 2331288.5, Delta T = 29.26 sec Ecliptic obliquity =  $23^{\circ}29'05$ , Nutation = -  $0^{\circ}00'05$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'40$ , Lahiri =  $19^{\circ}15'40$ Greg. Calendar

NOVEMBER 1670 GC 00:00 UT

HOTE	DEN 1	.0/0 uc													00.0	0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	S.	v	Ç	ķ	Day
S 1	2 42 4	8M53'03	26 <b>II</b> 29	0 <b>∡</b> 729	14 <b>Ω</b> 56	7≈11	15 <b>Ω</b> 57	0°R30	6°R22	28 <b>궁</b> 22	2°R52	12°R44	11 <b>Y</b> 28	9 <b>≏</b> 42	8°R44	S 1
S 2	2 46 0	9°53'16	1095 8	0°48	16°11	7°51	16° 3	0 <b>∺</b> 30	6 <b>)</b> €22	28°23	2952	12 <b>Y</b> 40	11°24	9°49	8 <b>) (</b> 43	S 2
M 3	2 49 57	10°53'31	23°20	1° 0	17°26	8°31	16° 9	0°30	6°21	28°23	2°51	12°38	11°21	9°56	8°42	M 3
T 4	2 53 54	11°53'48	6 <b>N</b> 6	1°R 3	18°40	9°12	16°14	0°D30	6°20	28°24	2°50	12°37	11°18	10° 2	8°41	T 4
W 5	2 57 50	12°54'07	18°31	0°58	19°55	9°53	16°20	0°30	6°20	28°25	2°49	12°D37	11°15	10° 9	8°41	W 5
T 6	3 1 47	13°54'28	0 <b>m</b> 39	0°43	21°10	10°33	16°25	0°30	6°19	28°26	2°49	12°38	11°12	10°15	8°40	T 6
F 7	3 5 43	14°54'50	12°34	0°19	22°25	11°14	16°30	0°30	6°19	28°27	2°48	12°39	11° 8	10°22	8°39	F 7
S 8	3 9 40	15°55'15	24°23	29 <b>M</b> 44	23°40	11°55	16°35	0°30	6°18	28°28	2°47	12°41	11° 5	10°29	8°38	S 8
S 9	3 13 36	16°55'41	6 <b>亞</b> 9	28°59	24°54	12°36	16°39	0°31	6°18	28°29	2°46	12°42	11° 2	10°35	8°38	S 9
M10	3 17 33	17°56'10	17°57	28° 4	26° 9	13°17	16°44	0°32	6°18	28°30	2°46	12°R43	10°59	10°42	8°37	M10
T 11	3 21 29	18°56'40	29°50	27° 1	27°24	13°58	16°48	0°32	6°18	28°31	2°45	12°41	10°56	10°49	8°37	T 11
W12	3 25 26	19°57'11	11 <b>M</b> .49	25°50	28°39	14°40	16°52	0°33	6°17	28°32	2°44	12°37	10°53	10°55	8°36	W12
T 13	3 29 23	20°57'45	23°58	24°33	29°54	15°21	16°56	0°34	6°17	28°33	2°43	12°32	10°49	11° 2	8°36	T 13
F 14	3 33 19	21°58'20	6 <b>₹</b> 18	23°12	1 <b>m</b> 9	16° 3	17° 0	0°35	6°17	28°34	2°42	12°25	10°46	11° 9	8°36	F 14
S 15	3 37 16	22°58'56	18°49	21°51	2°24	16°44	17° 3	0°36	6°D17	28°35	2°41	12°18	10°43	11°15	8°35	S 15
S 16	3 41 12	23°59'34	1 <b>る</b> 32	20°31	3°39	17°26	17° 7	0°37	6°17	28°37	2°41	12°10	10°40	11°22	8°35	S 16
M17	3 45 9	25° 0'13	14°28	19°16	4°55	18° 7	17°10	0°39	6°17	28°38	2°40	12° 3	10°37	11°29	8°35	M17
T 18	3 49 5	26° 0'53	27°36	18° 8	6°10	18°49	17°13	0°40	6°17	28°39	2°39	11°58	10°34	11°35	8°35	T 18
W19	3 53 2	27° 1'35	10≈59	17° 8	7°25	19°31	17°16	0°42	6°17	28°40	2°38	11°55	10°30	11°42	8°D35	W19
T 20	3 56 59	28° 2'17	24°37	16°19	8°40	20°13	17°19	0°43	6°18	28°42	2°37	11°D53	10°27	11°48	8°35	T 20
F 21	4 0 55	29° 3'01	8 <b>∺</b> 30	15°40	9°55	20°55	17°21	0°45	6°18	28°43	2°36	11°54	10°24	11°55	8°35	F 21
S 22	4 4 52	0 <b>∡</b> 3'45	22°39	15°14	11°10	21°37	17°23	0°47	6°18	28°44	2°35	11°55	10°21	12° 2	8°35	S 22
S 23	4 8 48	1° 4'31	7 <b>Υ</b> 3	14°58	12°25	22°19	17°25	0°49	6°19	28°46	2°34	11°R56	10°18	12° 8	8°35	S 23
M24	4 12 45	2° 5'17	21°39	14°D54	13°41	23° 1	17°27	0°51	6°19	28°47	2°33	11°55	10°14	12°15	8°36	M24
T 25	4 16 41	3° 6'05	6 <b>8</b> 23	15° 1	14°56	23°43	17°29	0°53	6°20	28°49	2°32	11°53	10°11	12°22	8°36	T 25
W26	4 20 38	4° 6'53	21° 9	15°18	16°11	24°25	17°31	0°55	6°20	28°50	2°31	11°48	10° 8	12°28	8°36	W26
T 27	4 24 34	5° 7'43	5 <b>Ⅱ</b> 49	15°43	17°26	25° 7	17°32	0°58	6°21	28°52	2°30	11°41	10° 5	12°35	8°37	T 27
F 28	4 28 31	6° 8'34	20°16	16°17	18°42	25°49	17°33	1° 0	6°21	28°53	2°29	11°32	10° 2	12°42	8°37	F 28
S 29	4 32 28	7° 9'26	49522	16°58	19°57	26°32	17°34	1° 3	6°22	28°55	2°27	11°23	9°59	12°48	8°38	S 29
S 30	4 36 24	8 <b>₮</b> 10'20	1895 4	17 <b>M</b> .46	21 <b>M</b> 12	27≈14	17 <b>Ω</b> 35	1 <b>∺</b> 6	6 <b>¥</b> 23	28 <b>궁</b> 56	29526	11 <b>Y</b> 14	9 <b>Y</b> 55	12 <b>≏</b> 55	8 <b>∺</b> 39	S 30

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S 1	14 s29	28n28	5n 2	22 s57	2 s44	4 s24	1n37	20 s32	2 s 5	16n41	0n37	13 s 3	1 s 5 1	9 s55	0 s47	20s17	0n15	19n 7	4 s 2 1	5n 2	4n32	3 s42	3 s34	5n 7
S 2	14 48	28 19	5 14	22 56	2 38	4 53	1 37	20 19	2 3	16 39	0 37	13 3	1 51	9 56	0 47	20 17	0 15	19 7	4 21	5 1	4 31	3 46	3 35	5 7
M 3	15 7	26 32	5 9	22 52	2 32	5 22	1 37	20 7	2 1	16 38	0 38	13 3	1 51	9 56	0 47	20 17	0 15	19 7	4 21	5 0	4 30	3 49	3 35	5 6
T 4	15 26	23 26	4 48	22 45	2 24	5 50	1 37	19 55	2 0	16 36	0 38	13 3	1 51	9 56	0 47	20 17	0 15	19 6	4 21	4 59	4 29	3 53	3 36	5 6
W 5	15 44	19 20	4 15	22 35	2 14	6 19	1 36	19 42	1 58	16 35	0 38	13 3	1 51	9 56	0 47	20 17	0 15	19 6	4 21	4 59	4 27	3 56	3 36	5 6
T 6	16 3		3 30		2 3	6 48	1 36	19 29		16 33	0 38	-	1 51	9 56	0 47	20 16	0 15	19 6	4 21	5 0	4 26	4 0	3 37	5 5
F 7	16 20	9 17	2 38	22 3	1 51	7 16	1 35	19 16	1 54		0 39	13 2	1 50	9 57	0 47	20 16	0 15	19 6	4 21	5 1	4 25	4 3	3 38	5 5
S 8	16 38	3 45	1 39	21 42	1 36	7 44	1 35	19 3	1 53	16 31	0 39	13 2	1 50	9 57	0 47	20 16	0 15	19 6	4 21	5 1	4 24	4 6	3 38	5 5
S 9	16 55	1 s54	0 36	21 17	1 20	8 12	1 34	18 50	1 51	16 30	0 39	13 2	1 50	9 57	0 47	20 16	0 15	19 6	4 21	5 2	4 22	4 10	3 39	5 4
M10	17 13	7 30	0s29	20 48	1 3	8 40	1 33	18 36	1 49	16 28	0 39	13 1	1 50	9 57	0 47	20 16	0 15	19 6	4 21	5 2	4 21	4 13	3 39	5 4
T 11	17 29	12 52	1 32	20 15	0 44	9 8	1 32	18 23	1 48	16 27	0 39	13 1	1 50	9 57	0 47	20 15	0 15	19 6	4 21	5 1	4 20	4 17	3 40	5 3
W12	17 46	17 49	2 32	19 39	0 25	9 35	1 32	18 9	1 46	16 26	0 40	13 0	1 50	9 57	0 47	20 15	0 15	19 6	4 21	5 0	4 19	4 20	3 40	5 3
T 13	18 2	22 7	3 26	19 1	0 4	10 3	1 31	17 55	1 44	16 25	0 40	13 0	1 50	9 57	0 47	20 15	0 15	19 6	4 21	4 58	4 17	4 23	3 41	5 3
F 14	18 18	25 31	4 10	18 21	0n16	10 30	1 30	17 41	1 42	16 24	0 40	13 0	1 49	9 57		20 15	0 15	19 6	4 21	4 55	4 16	4 27	3 41	5 2
S 15	18 33	27 44	4 44	17 40	0 37	10 57	1 29	17 27	1 41	16 24	0 40	12 59	1 49	9 57	0 47	20 15	0 15	19 6	4 21	4 52	4 15	4 30	3 42	5 2
S 16	18 48	28 32	5 4	17 0	0 57	11 23	1 28	17 13	1 39	16 23	0 40	12 58	1 49	9 57	0 47	20 14	0 15	19 6	4 21	4 49	4 14	4 34	3 42	5 2
M17	19 3	27 49	5 9	16 22	1 15	11 50	1 26	16 58	1 37	16 22	0 41	12 58	1 49	9 57	0 47	20 14	0 15	19 6	4 21	4 46	4 12	4 37	3 42	5 1
T 18	19 18	25 32	4 58	15 47	1 32	12 16	1 25	16 44	1 36	16 21	0 41	12 57	1 49	9 57	0 47	20 14	0 15	19 6	4 21	4 44	4 11	4 41	3 43	5 1
				15 16	1 47	12 41			1 34		0 41	12 57	1 49	9 57	0 47	20 14	0 15	19 6	4 21	4 43	4 10	4 44	3 43	5 1
T 20	19 46		-	14 50	2 0	13 7	1 22			16 20	0 41	12 56	1 49	9 56		20 13	0 14	19 7	4 21	4 43	4 9	4 47	3 43	5 0
F 21	19 59			14 29		13 32	1 21	15 59	1 31	16 19	0 42		1 49	9 56		20 13	0 14		4 21	4 43	4 8	4 51	3 44	5 0
S 22	20 12	4 29	1 42	14 12	2 20	13 57	1 20	15 44	1 29	16 19	0 42	12 54	1 48	9 56	0 47	20 13	0 14	19 7	4 21	4 43	4 6	4 54	3 44	5 0
S 23	20 25	2n24	0 26	14 1	2 26	14 21	1 18	15 29	1 28	16 19	0 42	12 53	1 48	9 56	0 46	20 13	0 14	19 7	4 21	4 43	4 5	4 58	3 44	4 59
M24	20 37	9 16	0n52	13 56	2 31	14 45	1 16	15 14	1 26	16 18	0 42	12 53	1 48	9 56	0 46	20 12	0 14	19 7	4 21	4 43	4 4	5 1	3 44	4 59
T 25	20 49	15 41	2 8	13 55	2 34	15 9	1 15	14 58	1 25	16 18	0 43	12 52	1 48	9 56	0 46	20 12	0 14	19 7	4 21	4 42	4 3	5 4	3 45	4 59
W26	21 1	21 13	3 15	13 58	2 36	15 33	1 13	14 43	1 23	16 18	0 43	12 51	1 48	9 55	0 46	20 12	0 14	19 7	4 21	4 41	4 1	5 8	3 45	4 58
	21 12	25 23	4 8	14 5	2 36	15 56		14 27	1 21	16 17	0 43		1 48	9 55	0 46	20 12	0 14	19 7	4 21	4 38	4 0	5 11	3 45	4 58
-	21 22	27 52	4 45	14 16				14 11	1 20	16 17	0 43	12 49	1 48	9 55	0 46	20 11	0 14	19 7	4 21	4 34	3 59	5 15	3 45	4 58
S 29	21 33	28 28	5 3	14 30	2 33	16 40	1 8	13 55	1 18	16 17	0 44	12 48	1 48	9 55	0 46	20 11	0 14	19 7	4 21	4 31	3 58	5 18	3 45	4 57
S 30	21 s43	27n16	5n 3	14 s46	2n30	17s 2	1n 6	13 s39	1 s 1 7	16n17	0n44	12 s47	1 s47	9 s54	0 s46	20 s11	0n14	19n 7	4 s 2 1	4n27	3n56	5 s21	3 s45	4n57

Julian Day Number = 2331319.5, Delta T = 29.21 sec Ecliptic obliquity =  $23^{\circ}29'04$ , Nutation = -  $0^{\circ}00'05$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'44$ , Lahiri =  $19^{\circ}15'45$ Greg. Calendar

DECEMBER 1670 GC 00:00 UT

DECE	DEN 3	LU/U UC													00.0	0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	n	ಬ	Ç	ķ	Day
M 1	4 40 21	9 <b>∡</b> 11'14	1 <b>Ω</b> 20	18 <b>M</b> .39	22 <b>M</b> 27	27≈56	17 <b>Ω</b> 36	1 <b>∺</b> 8	6 <b>)</b> €23	28 <b>궁</b> 58	2°R25	11°R 6	9 <b>Υ</b> 52	13 <b>♀</b> 2	8 <b>)</b> 39	M 1
T 2	4 44 17	10°12'10	14°11	19°37	23°43	28°39	17°36	1°11	6°24	28°59	29524	11 <b>Y</b> 0	9°49	13° 8	8°40	T 2
W 3	4 48 14	11°13'07	26°39	20°39	24°58	29°21	17°R36	1°14	6°25	29° 1	2°23	10°57	9°46	13°15	8°41	W 3
T 4	4 52 10	12°14'05	8 <b>m</b> 49	21°46	26°13	0 <b>∺</b> 3	17°36	1°17	6°26	29° 3	2°22	10°D55	9°43	13°22	8°42	T 4
F 5	4 56 7	13°15'04	20°45	22°55	27°29	0°46	17°36	1°20	6°27	29° 5	2°21	10°56	9°40	13°28	8°43	F 5
S 6	5 0 3	14°16'05	2 <b>≏</b> 34	24° 8	28°44	1°28	17°35	1°23	6°28	29° 6	2°20	10°56	9°36	13°35	8°43	S 6
S 7	5 4 0	15°17'06	14°21	25°23	29°59	2°11	17°35	1°27	6°29	29° 8	2°19	10°R56	9°33	13°41	8°45	S 7
M 8	5 7 57	16°18'09	26°10	26°40	1 <b>√</b> 15	2°54	17°34	1°30	6°30	29°10	2°17	10°55	9°30	13°48	8°46	M 8
T 9	5 11 53	17°19'12	8 <b>™</b> 7	27°59	2°30	3°36	17°33	1°34	6°31	29°12	2°16	10°51	9°27	13°55	8°47	T 9
W10	5 15 50	18°20'17	20°15	29°19	3°46	4°19	17°32	1°37	6°33	29°13	2°15	10°45	9°24	14° 1	8°48	W10
T 11	5 19 46	19°21'22	2 <b>₹</b> 36	0 <b>√</b> 41	5° 1	5° 1	17°30	1°41	6°34	29°15	2°14	10°36	9°20	14° 8	8°49	T 11
F 12	5 23 43	20°22'29	15°12	2° 4	6°17	5°44	17°29	1°45	6°35	29°17	2°13	10°25	9°17	14°15	8°51	F 12
S 13	5 27 39	21°23'36	28° 3	3°29	7°32	6°27	17°27	1°49	6°37	29°19	2°11	10°12	9°14	14°21	8°52	S 13
S 14	5 31 36	22°24'43	11 <b>궁</b> 8	4°54	8°47	7° 9	17°25	1°53	6°38	29°21	2°10	9°59	9°11	14°28	8°53	S 14
M15	5 35 32	23°25'51	24°26	6°20	10° 3	7°52	17°23	1°57	6°40	29°23	2° 9	9°47	9° 8	14°35	8°55	M15
T 16	5 39 29	24°26'59	7 <b>≈</b> 55	7°47	11°18	8°35	17°21	2° 1	6°41	29°25	2° 8	9°37	9° 5	14°41	8°56	T 16
W17	5 43 26	25°28'08	21°33	9°14	12°34	9°18	17°18	2° 5	6°43	29°27	2° 7	9°30	9° 1	14°48	8°58	W17
T 18	5 47 22	26°29'16	5 <b></b> ₩19	10°42	13°49	10° 1	17°15	2° 9	6°44	29°29	2° 5	9°26	8°58	14°55	9° 0	T 18
F 19	5 51 19	27°30'25	19°13	12°11	15° 5	10°43	17°12	2°14	6°46	29°31	2° 4	9°25	8°55	15° 1	9° 1	F 19
S 20	5 55 15	28°31'34	<b>3</b> Υ14	13°40	16°20	11°26	17° 9	2°18	6°48	29°33	2° 3	9°25	8°52	15° 8	9° 3	S 20
S 21	5 59 12	29°32'42	17°21	15° 9	17°35	12° 9	17° 6	2°23	6°49	29°35	2° 2	9°25	8°49	15°15	9° 5	S 21
M22	6 3 8	0 <b>ට</b> 33'51	1 <b>8</b> 35	16°39	18°51	12°52	17° 2	2°27	6°51	29°37	2° 1	9°23	8°46	15°21	9° 7	M22
T 23	6 7 5	1°35'00	15°53	18° 9	20° 6	13°35	16°59	2°32	6°53	29°39	1°59	9°19	8°42	15°28	9° 9	T 23
W24	6 11 1	2°36'09	0 <b>П</b> 11	19°40	21°22	14°17	16°55	2°37	6°55	29°41	1°58	9°12	8°39	15°34	9°11	W24
T 25	6 14 58	3°37'17	14°26	21°11	22°37	15° 0	16°51	2°41	6°57	29°43	1°57	9° 3	8°36	15°41	9°13	T 25
F 26	6 18 55	4°38'26	28°32	22°42	23°53	15°43	16°46	2°46	6°59	29°45	1°56	8°51	8°33	15°48	9°15	F 26
S 27	6 22 51	5°39'35	129523	24°14	25° 8	16°26	16°42	2°51	7° 1	29°47	1°54	8°38	8°30	15°54	9°17	S 27
S 28	6 26 48	6°40'44	25°55	25°46	26°24	17° 9	16°38	2°56	7° 3	29°49	1°53	8°25	8°26	16° 1	9°19	S 28
M29	6 30 44	7°41'54	9 <b>N</b> 7	27°18	27°39	17°52	16°33	3° 2	7° 5	29°51	1°52	8°13	8°23	16° 8	9°21	M29
T 30	6 34 41	8°43'03	21°56	28°51	28°54	18°34	16°28	3° 7	7° 7	29°54	1°51	8° 4	8°20	16°14	9°23	T 30
W31	6 38 37	9 <b>ප්</b> 44'12	4 Mp 24	0 <b>궁</b> 24	0 <b>궁</b> 10	19 <b>米</b> 17	$16\Omega 23$	3 <b>∺</b> 12	7 <b>∺</b> 9	29 <b>궁</b> 56	1950	7 <b>⋎</b> 58	8 <b>Ƴ</b> 17	16 <b>₽</b> 21	9 <b>米</b> 26	W31

Day	0	D		ζ	5	φ	)	d	7	2	+	ħ	1	);	<del>j</del> (	4		Е	2	n	U	ţ	Š	;
	decl	decl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1 T 2	21 s52 22 1	-		15 s 4 15 25	2n26 2 21			13 s23 13 7		16n17 16 17	0n44 0 44	12 s46 12 45	1 s47 1 47	9 s 5 4 9 5 4		20 s10 20 10	0n14 0 14	19n 7 19 7	4 s 2 1 4 2 1	4n24 4 22	3n55 3 54	5 s 2 5 5 2 8	3 s45 3 45	4n56 4 56
W 3	22 10	-		15 46	2 16	18 4		12 51		16 17	0 44	12 43	1 47	9 53		20 10	0 14		4 21	4 22	3 53	5 32	3 45	4 56
T 4	22 18	10 48	2 43	16 9	2 10	18 24	0 58	12 35	1 11	16 18	0 45	12 42	1 47	9 53	0 46	20 9	0 14	19 7	4 21	4 20	3 51	5 35	3 45	4 55
F 5	22 26			16 33				12 18		16 18	0 45		1 47	9 52			0 14		4 21	4 20	3 50	5 39	3 45	4 55
S 6	22 33	0 s 2 0	0 45	16 57	1 57	19 2	0 54	12 2	1 8	16 18	0 45	12 40	1 47	9 52	0 46	20 9	0 14	19 7	4 21	4 20	3 49	5 42	3 45	4 55
S 7	22 40			17 22	1 50			11 45		16 19		12 38	1 47	9 52			0 14		4 21	4 20	3 48	5 45	3 45	4 54
M 8 T 9	22 47			17 46 18 11	1 43 1 36			11 28 11 11	1 5		0 46 0 46		1 46	9 51 9 51	0 46 0 46		0 14	19 7 19 7	4 21 4 21	4 20 4 18	3 46 3 45	5 49 5 52	3 45 3 45	4 54 4 54
W10			-	18 36	1 29			10 55		16 20	0 46		1 46 1 46	9 50			0 14 0 14		4 21	4 18	3 44	5 55	3 45	4 54
T 11	23 3			19 1	1 21	20 28		10 38	1 1	16 21	0 46	-	1 46	9 50			0 14		4 21	4 12	3 43	5 59	3 45	4 53
F 12	23 8	27 11	4 33	19 25	1 13	20 44	0 41	10 21	0 59	16 22	0 47	12 31	1 46	9 49	0 46	20 7	0 14	19 7	4 21	4 8	3 41	6 2	3 45	4 53
S 13	23 12	28 23	4 55	19 49	1 6	20 59	0 38	10 3	0 58	16 23	0 47	12 30	1 46	9 49	0 46	20 6	0 14	19 7	4 21	4 3	3 40	6 6	3 44	4 52
S 14	23 16			20 12		21 13	0 36	9 46	0 56	16 23	0 47	12 28	1 46	9 48	0 46	20 6	0 14	19 7	4 21	3 58	3 39	6 9	3 44	4 52
M15	23 19		-	20 35		21 27	0 34	9 29	0 55		0 47	12 27	1 46	9 47	0 46		0 14	19 7	4 21	3 53	3 38	6 12	3 44	4 52
T 16 W17	23 22 23 24			20 57 21 18		21 40 21 52	0 31 0 29	9 12 8 54	0 54 0 52	16 25 16 26	0 48 0 48	12 25 12 24	1 46 1 45	9 47 9 46			0 14 0 14	19 7 19 8	4 21 4 21	3 49 3 46	3 36 3 35	6 16 6 19	3 44 3 43	4 51 4 51
T 18	23 24		-	21 18	0 33	-	0 29	8 37	0 52	16 27	0 48		1 45	9 46			0 14	19 8	4 21	3 45	3 34	6 23	3 43	4 51
F 19	23 28	-	1 45		0 20		0 24	8 19	0 50		0 48		1 45	9 45			0 14	19 8	4 20	3 44	3 32	6 26	3 43	4 50
S 20	23 29	0n47	0 33	22 16	0 13	22 25	0 22	8 2	0 48	16 30	0 49	12 19	1 45	9 44	0 45	20 3	0 14	19 8	4 20	3 44	3 31	6 29	3 42	4 50
S 21	23 29	7 28	0n42	22 34	0 5	22 35	0 19	7 44	0 47	16 31	0 49	12 17	1 45	9 44	0 45	20 3	0 14	19 8	4 20	3 44	3 30	6 33	3 42	4 50
M22	23 29	13 50		22 51	0s 2	22 44	0 17	7 27	0 46	16 32	0 49	12 15	1 45	9 43	0 45	20 3	0 14	19 8	4 20	3 44	3 29	6 36	3 42	4 49
T 23	23 28			23 6	0 9		0 14	7 9	0 44	16 34	0 49		1 45	9 42	0 45		0 14	19 8	4 20	3 42	3 27	6 40	3 41	4 49
W24 T 25	23 28 23 26			23 21 23 34	0 16 0 23		0 12 0 9	6 51 6 33			0 49	12 11 12 10	1 45 1 45	9 41 9 41	0 45 0 45		0 14 0 14	19 8 19 8	4 20 4 20	3 39 3 36	3 26 3 25	6 43 6 46	3 41 3 40	4 49 4 49
F 26	-			23 47	0 30		0 9	6 16		16 38	0 50		1 45	9 40			0 14	19 8	4 20	3 31	3 24	6 50	3 40	4 49
S 27	-			23 58	0 36	-	0 4	5 58		16 39	0 50	-	1 44	9 39			0 14		4 20	3 26	3 22	6 53	3 39	4 48
S 28	23 19	25 41	4 46	24 8	0 43	23 24	0 2	5 40	0 38	16 41	0 50	12 4	1 44	9 38	0 45	20 0	0 14	19 8	4 20	3 21	3 21	6 56	3 39	4 48
M29	23 16	22 10	4 18	24 17	0 49	23 28	0s 0	5 22	0 37	16 43	0 51	12 2	1 44	9 38	0 45	20 0	0 14	19 8	4 20	3 16	3 20	7 0	3 38	4 47
T 30	-			24 24		23 32	0 3	5 4		16 44	0 51	-	1 44	9 37		19 59	0 14		4 20	3 12	3 19	7 3	3 38	4 47
W31	23 s 8	12n30	2n47	24 s 30	1 s 1	23 s34	0s 5	4 s46	0s34	16n46	0n51	11s58	1 s44	9 s36	0 s45	19 s 5 9	0n14	19n 9	4 s 2 0	3n10	3n17	7s 7	3 s37	4n47

Julian Day Number = 2331349.5, Delta T = 29.16 sec Ecliptic obliquity =  $23^{\circ}29'04$ , Nutation = -  $0^{\circ}00'03$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}08'48$ , Lahiri =  $19^{\circ}15'49$ Greg. Calendar