

# Astrodienst Ephemeris Tables for the year 1629

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 1629 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	并	В	S.	v	Ç	Ŗ	Day
M 1	6 43 14	10궁57'29	20 <b>∺</b> 30	25°R23	26M 9	22 <b>×</b> 758	13 <b>云</b> 57	22 <b>_4</b> 0	10°R32	1 <b>M</b> 8	19°R10	10°R35	10933	17 <b>云</b> 30	2 <b>Y</b> 28	M 1
T 2	6 47 11	11°58'40	3 <b>Υ</b> 1	24 <b>×7</b> 57	27°18	23°43	14°11	22°43	10 <b>m</b> 31	1° 9	198 9	10935	10°29	17°37	2°29	T 2
W 3	6 51 7	12°59'50	15°53	24°42	28°27	24°27	14°25	22°46	10°30	1°10	19° 9	10°D35	10°26	17°43	2°30	W 3
T 4	6 55 4	14° 1'00	29° 8	24°D36	29°36	25°12	14°39	22°49	10°29	1°11	19° 8	10°35	10°23	17°50	2°32	T 4
F 5	6 59 0	15° 2'09	12849	24°39	0 <b>∡</b> 745	25°56	14°53	22°52	10°28	1°12	19° 8	10°35	10°20	17°57	2°33	F 5
S 6	7 2 57	16° 3'17	26°57	24°51	1°54	26°41	15° 7	22°55	10°27	1°13	19° 7	10°36	10°17	18° 3	2°34	S 6
S 7	7 6 53	17° 4'25	11 <b>II</b> 31	25° 9	3° 4	27°26	15°21	22°57	10°26	1°14	19° 6	10°37	10°13	18°10	2°36	S 7
M 8	7 10 50	18° 5'33	26°26	25°35	4°13	28°11	15°35	23° 0	10°24	1°14	19° 6	10°37	10°10	18°17	2°37	M 8
T 9	7 14 47	19° 6'40	11936	26° 7	5°23	28°55	15°49	23° 2	10°23	1°15	19° 5	10°R37	10° 7	18°23	2°38	T 9
W10	7 18 43	20° 7'46	26°51	26°44	6°33	29°40	16° 3	23° 5	10°22	1°16	19° 5	10°37	10° 4	18°30	2°40	W10
T 11	7 22 40	21° 8'52	120 2	27°26	7°43	0 <b>궁</b> 25	16°17	23° 7	10°20	1°17	19° 5	10°36	10° 1	18°37	2°42	T 11
F 12	7 26 36	22° 9'57	26°59	28°13	8°53	1°10	16°31	23° 9	10°19	1°17	19° 4	10°35	9°58	18°43	2°43	F 12
S 13	7 30 33	23°11'02	11 <b>m</b> 35	29° 5	10° 3	1°55	16°45	23°11	10°17	1°18	19° 4	10°33	9°54	18°50	2°45	S 13
S 14	7 34 29	24°12'07	25°44	29°59	11°13	2°40	16°59	23°13	10°16	1°19	19° 3	10°32	9°51	18°56	2°47	S 14
M15	7 38 26	25°13'11	9 <b>ჲ</b> 26	0 <b>궁</b> 58	12°24	3°25	17°13	23°15	10°14	1°19	19° 3	10°30	9°48	19° 3	2°48	M15
T 16	7 42 22	26°14'15	22°40	1°59	13°34	4°10	17°27	23°16	10°13	1°20	19° 3	10°D30	9°45	19°10	2°50	T 16
W17	7 46 19	27°15'18	5 <b>M</b> .30	3° 3	14°45	4°55	17°41	23°18	10°11	1°20	19° 2	10°30	9°42	19°16	2°52	W17
T 18	7 50 16	28°16'21	17°59	4° 9	15°56 17° 7	5°40	17°55	23°19	10° 9	1°21	19° 2	10°31	9°39	19°23	2°54	T 18
F 19 S 20	7 54 12 7 58 9	29°17'23 0≈18'25	0 <b>√</b> 11 12°12	5°18 6°28	17° / 18°17	6°25 7°11	18° 9 18°23	23°21 23°22	10° 8 10° 6	1°21 1°22	19° 2 19° 1	10°32 10°34	9°35 9°32	19°30 19°36	2°56 2°58	F 19 S 20
S 21	8 2 5	1°19'26	2 <u>4°</u> 4	7°41	19°29	7°56	18°37	23°23	10° 4	1°22	19° 1	10°36	9°29	19°43	3° 0	S 21
M22	8 6 2	2°20'26	5 <b>궁</b> 52	8°55	20°40	8°41	18°51	23°24	10° 2	1°23	19° 1	10°R36	9°26	19°50	3° 2	M22
T 23	8 9 58	3°21'26	17°39	10°11	21°51	9°27	19° 5	23°25	10° 0	1°23	19° 1	10°36	9°23	19°56	3° 5	T 23
W24	8 13 55	4°22'24	29°26	11°28	23° 2	10°12	19°19	23°26	9°58	1°23	19° 0	10°35	9°19	20° 3	3° 7 3° 9	W24
T 25 F 26	8 17 51 8 21 48	5°23'22 6°24'19	11 <b>≈</b> 18 23°14	12°47 14° 7	24°13 25°25	10°57 11°43	19°32 19°46	23°27 23°28	9°56 9°54	1°23 1°24	19° 0 19° 0	10°32 10°28	9°16 9°13	20°10 20°16	3° 9 3°11	T 25 F 26
S 27	8 21 48	7°25'14	5 <b>)</b> 18	15°28	25°25 26°36	11°43 12°28	20° 0	23°28	9°54 9°52	1°24	19° 0	10°28 10°24	9°13	20°16 20°23	3°14	S 27
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S 28	8 29 41	8°26'08	17°30	16°50	27°48	13°14	20°14	23°29	9°50	1°24	19° 0	10°19	9° 7	20°30	3°16	S 28
M29	8 33 38	9°27'01	29°53	18°13	28°59	13°59	20°27	23°29	9°48	1°24	19° 0	10°14	9° 4	20°36	3°19	M29
T 30	8 37 34	10°27'52	12 <b>Y</b> 30	19°38	0중11	14°45	20°41	23°29	9°46	1°24	19° 0	10°10	9° 0	20°43	3°21	T 30
W31	8 41 31	11≈28'42	25 <b>Y</b> 21	21중 3	1 <b>る</b> 23	15 <b>云</b> 30	20 <b>궁</b> 55	23 <u>~</u> 29	9 <b>m</b> 44	1 <b>M</b> 24	198 0	1095 7	8957	20 <b>궁</b> 49	3 <b>Υ</b> 23	W31

Day	0	D	ğ	ρ	♂	4	ħ	)Å(	并	Р	w v	Ç	ķ
	decl	decl lat	decl lat	decl lat de	cl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	el decl	decl lat
M 1 T 2 W 3	23 s 2 22 57 22 51	3 37 5 15 1n23 5 17	20 13 3 1 20 16 3	7 17 13 2 42 23	49 0 29 52 0 30	22 s54 0 s 9 22 53 0 9 22 52 0 9	6 34 2 28 6 35 2 28	8n22	10 14 1 46 10 15 1 46	3 40 14 24 3 40 14 24	23 4 23	4 22 58 5 22 58	3n15 2n29 3 16 2 29 3 16 2 28
T 4 F 5 S 6			20 28 2 5 20 36 2 4		57 0 31 58 0 32	22 50 0 9 22 49 0 10 22 47 0 10	6 36 2 29 6 37 2 29	8 23 0 48 8 24 0 48 8 24 0 48	10 15 1 46 10 15 1 46	3 40 14 24 3 40 14 24 3 40 14 23	23 4 23 23 4 23	5 22 58 5 22 58 5 22 58	3 16 2 28 3 17 2 28 3 17 2 28
S 7 M 8 T 9 W10 T 11 F 12 S 13	22 16 22 7 21 58 21 49 21 40	22 8 1 18 23 4 0n 5 22 17 1 29 19 52 2 46 16 8 3 50	21 15 2 1	30     18     30     2     34     24       21     18     45     2     32     24       2     18     59     2     30     24       3     19     12     2     28     24       53     19     25     2     26     24	1 0 33 3 0 34 3 0 34 4 0 35 4 0 35	22 46 0 10 22 44 0 10 22 43 0 10 22 41 0 10 22 40 0 10 22 38 0 10 22 36 0 10	6 39 2 29 6 39 2 30 6 40 2 30 6 40 2 30 6 41 2 31	8 25 0 48 8 26 0 48	10 16 1 46 10 16 1 46 10 17 1 47 10 17 1 47	3 40 14 23 3 40 14 23 3 40 14 22 3 41 14 22 3 41 14 22 3 41 14 21	23 4 23 23 4 23 23 4 23 23 4 23 23 4 23	6 22 57 6 22 57 6 22 57 6 22 57 6 22 57 7 22 57 7 22 57	3 17 2 28 3 18 2 27 3 18 2 27 3 19 2 27 3 19 2 27 3 19 2 27 3 20 2 26
S 14 M15 T 16 W17 T 18 F 19 S 20		1 7 5 17 4s 2 5 10 8 51 4 48 13 11 4 12 16 53 3 26	22 14 1 1 22 23 1 22 30 0 5 22 37 0 4	24 20 2 2 19 24	4 0 37 3 0 38 2 0 38 1 0 39 0 0 40		6 42 2 31 6 42 2 31 6 43 2 32 6 43 2 32 6 43 2 32 6 44 2 32 6 44 2 33	8 28 0 48 8 29 0 48 8 30 0 48 8 30 0 48 8 31 0 48 8 32 0 48 8 32 0 48	10 17 1 47 10 18 1 47 10 18 1 47 10 18 1 47	3 41 14 21 3 42 14 21 3 42 14 20 3 42 14 20 3 42 14 20 3 42 14 19 3 43 14 19	23 4 23 23 4 23 23 4 23 23 4 23 23 4 23	7 22 57 7 22 57 8 22 57 8 22 57 8 22 57 8 22 57 9 22 57	3 20 2 26 3 21 2 26 3 22 2 26 3 22 2 26 3 23 2 25 3 23 2 25 3 24 2 25
S 21 M22 T 23 W24 T 25 F 26 S 27	19 41 19 27 19 12 18 58 18 43	22 55 0 26 22 58 0s39 21 58 1 42 20 0 2 41 17 9 3 33	22 56 0 22 59 0 23 0 0s 23 0 0 1	27 21 2 2 3 23 8 21 10 2 0 23 9 21 17 1 57 23 1 21 24 1 54 23 7 21 31 1 51 23 6 21 36 1 48 23 23 21 42 1 45 23	54 0 42 51 0 42 48 0 43 45 0 43 42 0 44	22 22 0 11 22 21 0 11 22 19 0 11 22 17 0 11 22 15 0 12 22 13 0 12 22 11 0 12	6 44 2 34	8 35 0 48 8 36 0 48	10 18 1 47 10 18 1 47 10 18 1 47 10 18 1 47 10 18 1 47	3 43 14 19 3 43 14 18 3 43 14 18 3 44 14 18 3 44 14 17 3 44 14 17	23 4 23 23 4 23 23 4 23 1 23 4 23 1 23 4 23 1	9 22 57 9 22 56 9 22 56 0 22 56 0 22 56 0 22 56 0 22 56	3 25 2 25 3 25 2 25 3 26 2 24 3 27 2 24 3 27 2 24 3 28 2 24 3 29 2 24
S 28 M29 T 30 W31	18 11 17 55 17 39 17 s22	4 45 5 8 0n 9 5 13	22 53 0 3 22 48 0 4	81     21     46     1     42     23       89     21     50     1     39     23       16     21     54     1     35     23       33     21     s57     1     n32     23	31 0 46 26 0 46	22 7 0 12	6 44 2 35 6 44 2 35	8 39 0 48 8 40 0 49	10 18 1 48	3 45 14 17 3 45 14 16 3 45 14 16 3n46 14s16	23 6 23 1	0 22 56 1 22 55 1 22 55 1 22 s55	3 30 2 24 3 31 2 23 3 31 2 23 3n32 2n23

Julian Day Number = 2316040.5, Delta T = 58.76 sec Ecliptic obliquity =  $23^{\circ}29'13$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}33'44$ , Lahiri =  $18^{\circ}40'44$ Greg. Calendar

#### FEBRUARY 1629 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)f(	卉	В	ស	Ω	Ç	ķ	Day
T 1	8 45 27	12≈29'31	8 <b>8</b> 31	22 <b>ろ</b> 29	2 <b>る</b> 35	16 <b>궁</b> 16	21궁 8	23°R29	9°R41	1°R24	19°D 0	10°D 6	8954	20 <b>궁</b> 56	<b>3</b> Υ26	T 1
F 2	8 49 24	13°30'17	22° 2	23°57	3°47	17° 2	21°22	23 <b>£</b> 29	9 <b>m</b> 39	1 <b>M</b> 24	198 0	1095 6	8°51	21° 3	3°29	F 2
S 3	8 53 20	14°31'03	5 <b>Ⅱ</b> 54	25°25	4°58	17°47	21°35	23°29	9°37	1°24	19° 0	10° 7	8°48	21° 9	3°31	S 3
S 4	8 57 17	15°31'47	20°10	26°54	6°10	18°33	21°49	23°29	9°35	1°24	19° 0	10° 9	8°45	21°16	3°34	S 4
M 5	9 1 14	16°32'29	49547	28°24	7°22	19°19	22° 2	23°29	9°32	1°24	19° 0	10°R10	8°41	21°23	3°37	M 5
T 6	9 5 10	17°33'10	19°41	29°55	8°34	20° 4	22°16	23°28	9°30	1°24	19° 0	10°10	8°38	21°29	3°39	T 6
W 7	9 9 7	18°33'49	$4\Omega 46$	1≈27	9°47	20°50	22°29	23°27	9°28	1°24	19° 0	10° 8	8°35	21°36	3°42	W 7
T 8	9 13 3	19°34'26	19°54	2°59	10°59	21°36	22°42	23°27	9°25	1°23	19° 0	10° 4	8°32	21°43	3°45	T 8
F 9	9 17 0	20°35'02	4 <b>m</b> 54	4°33	12°11	22°22	22°56	23°26	9°23	1°23	19° 0	9°58	8°29	21°49	3°48	F 9
S 10	9 20 56	21°35'36	19°38	6° 7	13°23	23° 8	23° 9	23°25	9°20	1°23	19° 0	9°51	8°25	21°56	3°51	S 10
S 11	9 24 53	22°36'09	3 <b>₾</b> 58	7°43	14°35	23°54	23°22	23°24	9°18	1°23	19° 1	9°45	8°22	22° 3	3°54	S 11
M12	9 28 49	23°36'41	17°50	9°19	15°48	24°40	23°35	23°23	9°15	1°22	19° 1	9°39	8°19	22° 9	3°57	M12
T 13	9 32 46	24°37'12	1 <b>M</b> .13	10°56	17° 0	25°26	23°48	23°22	9°13	1°22	19° 1	9°34	8°16	22°16	4° 0	T 13
W14	9 36 43	25°37'41	14° 9	12°34	18°13	26°12	24° 1	23°20	9°10	1°21	19° 1	9°32	8°13	22°23	4° 3	W14
T 15	9 40 39	26°38'09	26°41	14°13	19°25	26°58	24°14	23°19	9° 8	1°21	19° 2	9°D31	8°10	22°29	4° 6	T 15
F 16	9 44 36	27°38'35	8 <b>≯</b> 53	15°53	20°38	27°44	24°27	23°17	9° 5	1°20	19° 2	9°31	8° 6	22°36	4° 9	F 16
S 17	9 48 32	28°39'00	20°52	17°34	21°50	28°30	24°40	23°16	9° 3	1°20	19° 2	9°33	8° 3	22°43	4°12	S 17
S 18	9 52 29	29°39'24	2 <b>ප්</b> 42	19°15	23° 3	29°16	24°53	23°14	9° 0	1°19	19° 3	9°34	8° 0	22°49	4°15	S 18
M19	9 56 25	0 <b>) (</b> 39′46	14°28	20°58	24°15	0≈ 2	25° 5	23°12	8°58	1°19	19° 3	9°R34	7°57	22°56	4°18	M19
T 20	10 0 22	1°40'07	26°14	22°42	25°28	0°48	25°18	23°10	8°55	1°18	19° 3	9°32	7°54	23° 2	4°21	T 20
W21	10 4 18	2°40'26	8 <b>≈</b> 5	24°27	26°41	1°34	25°31	23° 8	8°52	1°18	19° 4	9°28	7°50	23° 9	4°25	W21
T 22	10 8 15	3°40'44	20° 2	26°12	27°53	2°20	25°43	23° 6	8°50	1°17	19° 4	9°22	7°47	23°16	4°28	T 22
F 23	10 12 12	4°40'59	2 <b>米</b> 9	27°59	29° 6	3° 7	25°56	23° 4	8°47	1°16	19° 5	9°13	7°44	23°22	4°31	F 23
S 24	10 16 8	5°41'13	14°26	29°47	0≈19	3°53	26° 8	23° 2	8°45	1°15	19° 5	9° 2	7°41	23°29	4°34	S 24
S 25	10 20 5	6°41'25	26°54	1 <b>∺</b> 36	1°32	4°39	26°21	22°59	8°42	1°15	19° 6	8°51	7°38	23°36	4°38	S 25
M26	10 24 1	7°41'35	9 <b>Y</b> 33	3°26	2°45	5°25	26°33	22°57	8°39	1°14	19° 6	8°41	7°35	23°42	4°41	M26
T 27	10 27 58	8°41'43	22°24	5°17	3°57	6°12	26°45	22°54	8°37	1°13	19° 7	8°31	7°31	23°49	4°45	T 27
W28	10 31 54	9 <b>)(</b> 41'49	5 <b>8</b> 27	7 <b>∺</b> 9	5≈10	6≈58	26 <b>궁</b> 57	22 <b>≏</b> 51	8 <b>m</b> /34	1 <b>M</b> .12	198 7	8924	79528	23 <b>궁</b> 56	4 <b>Υ</b> 48	W28

Day	0	Ş	)	ζ	5	ç	)	C	3	2	ļ.	ħ	2	);	<del>β</del> (	<del>,</del> ‡	(	Р		n	Ω	Ç	d	5
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl la	t	decl	decl	decl	decl	lat
T 1	17s 5	10n 1	4s36	22 s35	0s59	21 s59	1n29	23 s17	0 s48	22 s 1	0 s12	6 s43	2n36	8n42	0n49	10s18	1n48	3n46 14	4s15	23n 6	23n11	22 s55	3n33	2n23
F 2	16 48	14 33	3 53	22 26	1 6	22 0	1 26	23 12	0 48	21 59	0 12	6 43	2 36	8 43	0 49	10 18	1 48	3 46 14	4 15	23 6	23 11	22 55	3 34	2 23
S 3	16 31	18 26	2 56	22 17	1 12	22 1	1 22	23 6	0 49	21 57	0 13	6 43	2 37	8 44	0 49	10 18	1 48	3 47 14	4 15	23 6	23 12	22 55	3 35	2 22
S 4	16 13	21 20	1 47	22 5	1 18	22 2	1 19	23 1	0 49	21 55	0 13	6 43	2 37	8 45	0 49	10 18	1 48	3 47 14	4 14	23 6	23 12	22 54	3 36	2 22
M 5	15 55	22 55	0 29	21 53	1 23	22 1	1 16	22 55	0 50	21 53	0 13	6 42	2 37	8 46	0 49	10 18	1 48	3 47 14	4 14	23 6	23 12	22 54	3 37	2 22
T 6	15 36	22 54	0n52	21 39	1 29	22 0	1 12	22 49	0 50	21 51	0 13	6 42	2 37	8 46	0 49	10 18	1 48	3 48 14	4 14	23 6	23 12	22 54	3 38	2 22
W 7	15 18	21 13	2 10	21 24	1 34	21 59	1 9	22 42	0 51	21 49	0 13	6 41	2 38	8 47	0 49	10 17	1 48	3 48 14	4 13	23 6	23 13	22 54	3 39	2 22
T 8	14 59	18 2	3 19	21 7	1 38	21 57	1 5	22 36	0 52	21 47	0 13	6 41	2 38	8 48	0 49	10 17	1 48	3 48 14	4 13	23 6	23 13	22 54	3 40	2 22
F 9	14 39	13 40	4 14	20 49	1 43	21 54	1 2	22 29	0 52	21 45	0 13	6 40	2 38	8 49	0 49	10 17	1 48	3 49 14	4 13	23 7	23 13	22 53	3 41	2 22
S 10	14 20	8 34	4 51	20 30	1 47	21 51	0 59	22 22	0 53	21 43	0 13	6 40	2 38	8 50	0 49	10 17	1 48	3 49 14	4 12	23 7	23 13	22 53	3 42	2 21
S 11	14 0	3 8	5 8	20 9	1 50	21 46	0 55	22 15	0 53	21 41	0 13	6 39	2 39	8 51	0 49	10 17	1 48	3 49 14	4 12	23 8	23 13	22 53	3 43	2 21
M12	13 41	2s17	5 7	19 47	1 54	21 42	0 52	22 7	0 54	21 39	0 14	6 38	2 39	8 52	0 49	10 17	1 49	3 50 14	4 12	23 8	23 14	22 53	3 44	2 21
T 13	13 20	7 25	4 48	19 24	1 57	21 36	0 48	21 59	0 54	21 37	0 14	6 38	2 39	8 53	0 49	10 16	1 49	3 50 14	4 11	23 8	23 14	22 52	3 45	2 21
W14	13 0	12 3	4 15	18 59	1 59	21 30	0 45	21 51	0 55	21 34	0 14	6 37	2 39	8 54	0 49	10 16	1 49	3 50 14	4 11	23 9	23 14	22 52	3 46	2 21
T 15	12 40	16 2	3 31	18 32	2 2	21 24	0 41	21 43	0 55	21 32	0 14	6 36	2 40	8 55	0 49	10 16	1 49	3 51 14	4 11	23 9	23 14	22 52	3 47	2 21
F 16	12 19	19 13	2 38	18 4	2 4	21 17	0 38	21 34	0 56	21 30	0 14	6 35	2 40	8 56	0 49	10 16	1 49	3 51 14	4 10	23 9	23 14	22 52	3 48	2 20
S 17	11 58	21 31	1 39	17 35	2 5	21 9	0 34	21 26	0 57	21 28	0 14	6 35	2 40	8 57	0 49	10 16	1 49	3 52 14	4 10	23 9	23 15	22 51	3 49	2 20
S 18	11 37	22 51	0 37	17 4	2 6	21 0	0 31	21 17	0 57	21 26	0 14	6 34	2 40	8 58	0 49	10 15	1 49	3 52 14	4 10	23 8	23 15	22 51	3 50	2 20
M19	11 16	23 8	0 s26	16 32	2 7	20 51	0 28	21 7	0 58	21 24	0 14	6 33	2 41	8 59	0 49	10 15	1 49	3 52 14	4 9	23 8	23 15	22 51	3 51	2 20
T 20	10 54	22 24	1 29	15 59	2 7	20 42	0 24	20 58	0 58	21 21	0 14	6 32	2 41	9 0	0 49	10 15	1 49	3 53 14	4 9	23 9	23 15	22 51	3 52	2 20
W21	10 33	20 39	2 27	15 24	2 7	20 31	0 21	20 48	0 59	21 19	0 15	6 31	2 41	9 1	0 49	10 15	1 49	3 53 14	4 9	23 9	23 15	22 50	3 54	2 20
T 22	10 11	17 59	3 20	14 47	2 7	20 20	0 17	20 38	0 59	21 17	0 15	6 30	2 41	9 2	0 49	10 14	1 49	3 54 14	4 9	23 9	23 15	22 50	3 55	2 20
F 23	9 49	14 31	4 4	14 10	2 5	20 9	0 14	20 28	1 0	21 15	0 15	6 29	2 42	9 3	0 49	10 14	1 49	3 54 14	4 8	23 10	23 16	22 50	3 56	2 20
S 24	9 27	10 24	4 37	13 30	2 4	19 57	0 11	20 18	1 0	21 13	0 15	6 28	2 42	9 4	0 49	10 14	1 49	3 54 14	4 8	23 11	23 16	22 49	3 57	2 19
S 25	9 4	5 47	4 58	12 50	2 2	19 44	0 7	20 7	1 1	21 10	0 15	6 27	2 42	9 5	0 49	10 13	1 49	3 55 14	4 8	23 11	23 16	22 49	3 58	2 19
M26	8 42	0 52	5 4	12 7	2 0	19 31	0 4	19 56	1 1	21 8	0 15	6 26	2 42	9 6	0 49	10 13	1 49	3 55 14	4 7	23 12	23 16	22 49	4 0	2 19
T 27	8 20	4n 9	4 56	11 24	1 57	19 17	0 1	19 46	1 2	21 6	0 15	6 24	2 43	9 7	0 49	10 13	1 49	3 56 14	4 7	23 13	23 16	22 49	4 1	2 19
W28	7 s57	9n 6	4s32	10s39	1 s53	19s 3	0s 2	19 s34	1 s 2	21s 4	0s16	6 s 2 3	2n43	9n 8	0n49	10s12	1n49	3n56 14	4s 7	23n13	23n17	22 s48	4n 2	2n19

Julian Day Number = 2316071.5, Delta T = 58.69 sec Ecliptic obliquity =  $23^{\circ}29'14$ , Nutation =  $-0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}33'48$ , Lahiri =  $18^{\circ}40'49$ Greg. Calendar

MARCH 1629 GC 00:00 UT

LIVIN	,II TUZ:	uc													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	В	u	v	Ç	ķ	Day
T 1	10 35 51	10 <b>)</b> (41'53	18 <b>8</b> 43	9 <b>∺</b> 2	6≈23	7≈44	27중 9	22°R49	8°R31	1°R11	19 <b>8</b> 8	8°R19	7925	24궁 2	<b>4</b> Υ51	T 1
F 2	10 39 47	11°41'55	2 <b>I</b> I3	10°56	7°36	8°30	27°21	22 <b></b> 46	8 <b>m</b> 29	1 <b>M</b> _10	19°8	89917	7°22	24° 9	4°55	F 2
S 3	10 43 44	12°41'54	15°58	12°50	8°49	9°17	27°33	22°43	8°26	1°10	19° 9	8°D17	7°19	24°16	4°58	S 3
S 4	10 47 41	13°41'52	29°59	14°46	10° 2	10° 3	27°45	22°40	8°24	1° 9	19°10	8°17	7°16	24°22	5° 2	S 4
M 5	10 51 37	14°41'47	149517	16°43	11°15	10°50	27°57	22°37	8°21	1°8	19°10	8°R17	7°12	24°29	5° 5	M 5
T 6	10 55 34	15°41'40	28°48	18°40	12°28	11°36	28° 8	22°34	8°18	1° 7	19°11	8°16	7° 9	24°36	5° 9	T 6
W 7	10 59 30	16°41'30	13 <b>£</b> 30	20°38	13°41	12°22	28°20	22°31	8°16	1° 6	19°12	8°12	7° 6	24°42	5°12	W 7
T 8	11 3 27	17°41'19	28°18	22°37	14°54	13° 9	28°32	22°27	8°13	1° 5	19°12	8° 5	7° 3	24°49	5°16	T 8
F 9	11 7 23	18°41'05	13 Mg 2	24°35	16° 7	13°55	28°43	22°24	8°11	1° 3	19°13	7°55	7° 0	24°56	5°19	F 9
S 10	11 11 20	19°40'49	27°36	26°34	17°20	14°41	28°54	22°20	8° 8	1° 2	19°14	7°45	6°56	25° 2	5°23	S 10
S 11	11 15 16	20°40'32	11 <b>≏</b> 52	28°33	18°33	15°28	29° 6	22°17	8° 6	1° 1	19°15	7°33	6°53	25° 9	5°26	S 11
M12	11 19 13	21°40'12	25°44	0 <b>Υ</b> 32	19°46	16°14	29°17	22°13	8° 3	1° 0	19°16	7°23	6°50	25°15	5°30	M12
T 13	11 23 9	22°39'50	9 <b>M</b> .10	2°30	20°59	17° 1	29°28	22°10	8° 1	0°59	19°16	7°14	6°47	25°22	5°34	T 13
W14	11 27 6	23°39'27	22°10	4°27	22°12	17°47	29°39	22° 6	7°58	0°58	19°17	7° 8	6°44	25°29	5°37	W14
T 15	11 31 3	24°39'02	4 <b>₹</b> 46	6°23	23°25	18°34	29°50	22° 2	7°56	0°56	19°18	7° 4	6°41	25°35	5°41	T 15
F 16	11 34 59	25°38'35	17° 1	8°17	24°38	19°20	0≈ 0	21°58	7°53	0°55	19°19	7° 2	6°37	25°42	5°44	F 16
S 17	11 38 56	26°38'07	29° 2	10° 9	25°52	20° 7	0°11	21°55	7°51	0°54	19°20	7°D 2	6°34	25°49	5°48	S 17
S 18	11 42 52	27°37'37	10 <b>궁</b> 53	11°58	27° 5	20°53	0°22	21°51	7°48	0°53	19°21	7°R 2	6°31	25°55	5°52	S 18
M19	11 46 49	28°37'04	22°40	13°45	28°18	21°40	0°32	21°47	7°46	0°51	19°21	7° 1	6°28	26° 2	5°55	M19
T 20	11 50 45	29°36'31	4≈29	15°28	29°31	22°26	0°42	21°43	7°43	0°50	19°22	6°59	6°25	26° 9	5°59	T 20
W21	11 54 42	0 <b>Ƴ</b> 35'55	16°23	17° 7	0 <b>) (</b> 44	23°13	0°53	21°38	7°41	0°49	19°23	6°53	6°22	26°15	6° 3	W21
T 22	11 58 38	1°35'17	28°27	18°43	1°57	23°59	1° 3	21°34	7°39	0°47	19°24	6°45	6°18	26°22	6° 6	T 22
F 23	12 2 35	2°34'37	10 <b>) (</b> 44	20°13	3°11	24°46	1°13	21°30	7°36	0°46	19°25	6°34	6°15	26°29	6°10	F 23
S 24	12 6 32	3°33'56	23°15	21°39	4°24	25°32	1°23	21°26	7°34	0°45	19°26	6°22	6°12	26°35	6°14	S 24
S 25	12 10 28	4°33'12	6 <b>Υ</b> 0	22°59	5°37	26°19	1°33	21°22	7°32	0°43	19°27	6° 8	6° 9	26°42	6°17	S 25
M26	12 14 25	5°32'26	18°59	24°14	6°50	27° 5	1°42	21°17	7°30	0°42	19°28	5°55	6° 6	26°49	6°21	M26
T 27	12 18 21	6°31'38	2812	25°23	8° 4	27°52	1°52	21°13	7°27	0°40	19°29	5°43	6° 2	26°55	6°25	T 27
W28	12 22 18	7°30'48	15°36	26°25	9°17	28°38	2° 2	21° 9	7°25	0°39	19°30	5°34	5°59	27° 2	6°28	W28
T 29	12 26 14	8°29'56	29° 9	27°22	10°30	29°25	2°11	21° 4	7°23	0°37	19°31	5°27	5°56	27° 9	6°32	T 29
F 30	12 30 11	9°29'01	12 <b>II</b> 52	28°12	11°43	0 <b>)</b> €11	2°20	21° 0	7°21	0°36	19°32	5°24	5°53	27°15	6°36	F 30
S 31	12 34 7	10 <b>Y</b> 28'05	26∏43	28 <b>Y</b> 55	12 <b>)</b> 57	0 <b>∺</b> 58	2≈29	20 <b>≏</b> 55	7 <b>m</b> 19	0 <b>M</b> .34	19833	5923	5950	27 <b>궁</b> 22	6 <b>Ƴ</b> 39	S 31

Day	0	D	ğ	Q	ď	4	ħ	)∤(	¥	Р	w u	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	el decl	decl lat
T 1 F 2 S 3	7 s34 7 11 6 48	13n42 3 s53 17 42 3 0 20 49 1 56	9 6 1 4	14 18 33 0 9	19 11 1 3	21 s 2 0 s 16 20 59 0 16 20 57 0 16	6s22 2n43 6 21 2 43 6 20 2 43	9n 9 0n49 9 10 0 49 9 11 0 49	10 12 1 50	3 57 14 6	23n14 23n1 23 14 23 1 23 14 23 1	7 22 48	4n 3 2n19 4 5 2 19 4 6 2 19
S 4 M 5 T 6 W 7 T 8 F 9	6 25 6 2 5 39 5 16 4 52 4 29	23 15 0n32 22 11 1 47 19 36 2 56 15 44 3 53	6 36 1 2 5 43 1 2 4 50 1 1 3 56 1	27 17 43 0 18 20 17 26 0 21 13 17 8 0 24 5 16 49 0 27	18 35 1 5 18 23 1 5 18 10 1 6 17 58 1 6	20 55 0 16 20 53 0 16 20 50 0 16 20 48 0 16 20 46 0 17 20 44 0 17	6 18 2 44 6 17 2 44 6 16 2 44 6 14 2 44 6 13 2 44 6 11 2 44	9 12 0 49 9 13 0 49 9 14 0 49 9 15 0 49 9 16 0 49 9 16 0 49	10 11 1 50 10 10 1 50 10 10 1 50 10 9 1 50	3 58 14 5 3 59 14 5 3 59 14 5 4 0 14 4	23 14 23 1 23 15 23 1	7 22 46 8 22 46 8 22 46 8 22 45	4 7 2 18 4 8 2 18 4 10 2 18 4 11 2 18 4 12 2 18 4 14 2 18
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17	4 6 3 42 3 19 2 55 2 31 2 8 1 44 1 20	14 54 3 34 18 28 2 42 21 8 1 44	1 9 0 3 0 13 0 2 0n44 0 1	38 15 51 0 35 28 15 31 0 38 17 15 10 0 40 6 14 49 0 43 5 14 27 0 46 17 14 5 0 48	17 18 1 7 17 5 1 8 16 51 1 8 16 37 1 9 16 23 1 9 16 9 1 10	20 35 0 17 20 33 0 17	6 10 2 45 6 9 2 45 6 7 2 45 6 6 2 45 6 4 2 45 6 2 2 45 6 1 2 46 5 59 2 46	9 17 0 49 9 18 0 49 9 19 0 49 9 20 0 49 9 21 0 49 9 22 0 49 9 23 0 49 9 24 0 49	10 8 1 50 10 8 1 50 10 7 1 50 10 7 1 50 10 6 1 50 10 6 1 50	4 1 14 3 4 2 14 3 4 2 14 3 4 3 14 3 4 3 14 2 4 3 14 2	23 16 23 16 23 16 23 17 23 17 23 18	8 22 44 9 22 44 9 22 43 9 22 43 9 22 43 9 22 43	4 15 2 18 4 16 2 18 4 18 2 18 4 19 2 17 4 20 2 17 4 22 2 17 4 23 2 17 4 24 2 17
S 18 M19 T 20 W21 T 22 F 23 S 24	0 57 0 33 0 9 0n14 0 38 1 2 1 25	21 27 2 20 19 1 3 12 15 44 3 57	6 16 0 5 7 7 1	54 12 57 0 55 6 12 34 0 58 18 12 10 1 0 30 11 46 1 2 42 11 21 1 4	15 26 1 11 15 11 1 11 14 56 1 12 14 41 1 12 14 26 1 12	20 24 0 18 20 22 0 18 20 20 0 18 20 18 0 18 20 16 0 19 20 14 0 19 20 12 0 19	5 58 2 46 5 56 2 46 5 55 2 46 5 53 2 46 5 51 2 46 5 50 2 47 5 48 2 47	9 25 0 49 9 26 0 49 9 27 0 49 9 27 0 49 9 28 0 49 9 29 0 49 9 30 0 49	10 4 1 50 10 4 1 50 10 3 1 50 10 3 1 50 10 2 1 50	4 5 14 1 4 5 14 1 4 6 14 1 4 6 14 1 4 7 14 0	23 18 23 2 23 18 23 2 23 18 23 2 23 18 23 2 23 19 23 2 23 19 23 2 23 20 23 2	0 22 41 0 22 40 0 22 40 0 22 39 0 22 39	4 26 2 17 4 27 2 17 4 28 2 17 4 30 2 17 4 31 2 17 4 33 2 17 4 34 2 17
S 25 M26 T 27 W28 T 29 F 30 S 31	1 49 2 12 2 36 2 59 3 23 3 46 4n 9	2n56 4 52 8 3 4 29 12 52 3 51 17 6 2 59 20 28 1 56	11 31 2 1 12 5 2 2 12 37 2 3	15 10 6 1 10 25 9 40 1 12 34 9 14 1 14 42 8 48 1 15 50 8 22 1 17	13 39 1 13 13 24 1 14 13 8 1 14 12 52 1 14 12 36 1 15	20 6 0 19 20 4 0 20 20 2 0 20	5 46 2 47 5 44 2 47 5 43 2 47 5 41 2 47 5 39 2 47 5 38 2 47 5 s36 2n47	9 31 0 49 9 32 0 49 9 32 0 49 9 33 0 49 9 34 0 49 9 35 0 49 9n36 0n48	10 1 1 51 10 0 1 51 10 0 1 51 10 0 1 51 9 59 1 51 9 59 1 51	4 8 14 0 4 9 13 59 4 9 13 59 4 10 13 59 4 10 13 59	23 21 23 2 23 21 23 2 23 22 23 2 23 22 23 2 23 22 23 2 23 22 23 2 23 23 23 23 2 23 23 23 23 23 2	1 22 38 1 22 37 1 22 37 1 22 36 1 22 36	4 35 2 16 4 37 2 16 4 38 2 16 4 40 2 16 4 41 2 16 4 42 2 16 4n44 2n16

Julian Day Number = 2316099.5, Delta T = 58.63 sec Ecliptic obliquity = 23°29'14, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°33'52, Lahiri = 18°40'52Greg. Calendar

APRIL 1629 GC 00:00 UT

Day	Sid.t	$\odot$	D	ğ	φ	♂	4	ħ	)∤(	并	Р	'n	Ω	Ç	& K	Day
S 1	12 38 4	11 <b>Y</b> 27'06	109542	29 <b>Y</b> 31	14 <b>) (</b> 10	1 <b>) (</b> 44	2≈38	20°R51	7°R17	0°R33	19835	5°R23	59547	27る29	6 <b>Υ</b> 43	S 1
M 2	12 42 1	12°26'04	24°49	0 <b>8</b> 1	15°23	2°31	2°47	20 <u>₽</u> 46	7 <b>m</b> 15	0 <b>M</b> .31	19°36	59522	5°43	27°35	6°47	M 2
T 3	12 45 57	13°25'00	9 <b>Ω</b> 3	0°24	16°36	3°17	2°56	20°42	7°13	0°30	19°37	5°21	5°40	27°42	6°50	T 3
W 4	12 49 54	14°23'54	23°22	0°40	17°50	4° 4	3° 5	20°37	7°11	0°28	19°38	5°16	5°37	27°49	6°54	W 4
T 5	12 53 50	15°22'45	7 <b>m</b> 43	0°49	19° 3	4°50	3°13	20°33	7° 9	0°27	19°39	5° 9	5°34	27°55	6°58	T 5
F 6	12 57 47	16°21'34	22° 2	0°R52	20°16	5°37	3°21	20°28	7° 7	0°25	19°40	5° 0	5°31	28° 2	7° 1	F 6
S 7	13 1 43	17°20'21	6 <b>₽</b> 12	0°49	21°30	6°23	3°30	20°23	7° 5	0°23	19°41	4°49	5°27	28° 8	7° 5	S 7
S 8	13 5 40	18°19'06	20° 8	0°39	22°43	7° 9	3°38	20°19	7° 4	0°22	19°43	4°37	5°24	28°15	7° 8	S 8
M 9	13 9 36	19°17'49	3 <b>M</b> .47	0°23	23°56	7°56	3°46	20°14	7° 2	0°20	19°44	4°26	5°21	28°22	7°12	M 9
T 10	13 13 33	20°16'30	17° 5	0° 2	25° 9	8°42	3°53	20°10	7° 0	0°19	19°45	4°16	5°18	28°28	7°16	T 10
W11	13 17 30	21°15'10	0 <b>∡</b> 0	29 <b>Y</b> 37	26°23	9°29	4° 1	20° 5	6°59	0°17	19°46	4° 9	5°15	28°35	7°19	W11
T 12	13 21 26	22°13'47	12°35	29° 7	27°36	10°15	4° 9	20° 0	6°57	0°15	19°47	4° 5	5°12	28°42	7°23	T 12
F 13	13 25 23	23°12'23	24°51	28°33	28°49	11° 1	4°16	19°56	6°55	0°14	19°49	4° 3	5° 8	28°48	7°26	F 13
S 14	13 29 19	24°10'57	6 <b>る</b> 54	27°56	0 <b>Υ</b> 3	11°48	4°23	19°51	6°54	0°12	19°50	4°D 3	5° 5	28°55	7°30	S 14
S 15	13 33 16	25° 9'29	18°46	27°17	1°16	12°34	4°30	19°47	6°52	0°11	19°51	4° 3	5° 2	29° 2	7°34	S 15
M16	13 37 12	26° 8'00	0≈35	26°36	2°29	13°21	4°37	19°42	6°51	0° 9	19°52	4°R 3	4°59	29° 8	7°37	M16
T 17	13 41 9	27° 6'29	12°26	25°54	3°43	14° 7	4°44	19°38	6°49	0° 7	19°54	4° 2	4°56	29°15	7°41	T 17
W18	13 45 5	28° 4'57	24°23	25°13	4°56	14°53	4°51	19°33	6°48	0° 6	19°55	3°59	4°53	29°22	7°44	W18
T 19	13 49 2	29° 3'22	6 <b>∺</b> 31	24°32	6° 9	15°39	4°57	19°28	6°47	0° 4	19°56	3°53	4°49	29°28	7°48	T 19
F 20	13 52 58	0 <b>8</b> 1'46	18°55	23°53	7°23	16°26	5° 4	19°24	6°46	0° 2	19°57	3°45	4°46	29°35	7°51	F 20
S 21	13 56 55	1° 0'08	1 <b>Y</b> 36	23°15	8°36	17°12	5°10	19°20	6°44	0° 1	19°59	3°35	4°43	29°42	7°55	S 21
S 22	14 0 52	1°58'29	14°36	22°41	9°49	17°58	5°16	19°15	6°43	29 <b>Ω</b> 59	20° 0	3°25	4°40	29°48	7°58	S 22
M23	14 448	2°56'48	27°54	22° 9	11° 3	18°44	5°22	19°11	6°42	29°57	20° 1	3°14	4°37	29°55	8° 1	M23
T 24	14 8 45	3°55'05	11829	21°42	12°16	19°31	5°28	19° 6	6°41	29°56	20° 2	3° 5	4°33	0≈ 2	8° 5	T 24
W25	14 12 41	4°53'20	25°17	21°18	13°29	20°17	5°33	19° 2	6°40	29°54	20° 4	2°58	4°30	0° 8	8° 8	W25
T 26	14 16 38	5°51'34	9∏16	20°58	14°43	21° 3	5°39	18°58	6°39	29°53	20° 5	2°53	4°27	0°15	8°12	T 26
F 27	14 20 34	6°49'46	23°21	20°43	15°56	21°49	5°44	18°53	6°38	29°51	20° 6	2°51	4°24	0°22	8°15	F 27
S 28	14 24 31	7°47'55	7929	20°33	17° 9	22°35	5°49	18°49	6°37	29°49	20° 8	2°D50	4°21	0°28	8°18	S 28
S 29	14 28 27	8°46'03	21°40	20°27	18°23	23°21	5°54	18°45	6°36	29°48	20° 9	2°51	4°18	0°35	8°21	S 29
M30	14 32 24	9844'09	5 <b>Ω</b> 49	20°D27	19 <b>Y</b> 36	24 <b>∺</b> 7	5 <b>≈</b> 59	18 <b>≏</b> 41	6 <b>m</b> 36	29 <b>≏</b> 46	20810	2°R52	49914	0≈42	8 <b>Ƴ</b> 25	M30

Day	0	D	ğ	Q	C	3'	2	ŀ	ħ		)į	(	<del>1</del> 4	(	Р	n	v	Ç	ķ	
	decl	decl lat	decl lat	decl la	t decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
S 1	4n32	23n31 0n2	28 14n 9 3n	n 2 7s28	1 s20   12 s 3	1 s 1 5	19s56	0 s20	5 s34	2n47	9n36	0n48	9s57	1n51	4n11 13s5	8 23n23	23n22	22 s35	4n45	2n16
M 2	4 55	-			1 21 11 47	-	19 54	0 20	5 32	2 47	9 37	0 48	9 57	1 51	4 12 13 5				4 47	2 16
T 3	5 18	20 44 2 4			1 23 11 30	_	19 52	0 20	5 31	2 47	9 38	0 48	9 56	1 51	4 12 13 5				4 48	2 16
W 4	5 41	17 17 3 4	-		1 24 11 13	1 16		0 21	5 29	2 47	9 38	0 48	9 56	1 51		8 23 23			4 49	2 16
T 5	6 4	-	28 14 45 3	11 5 39	1 25 10 57	1 17		0 21	5 27	2 47	9 39	0 48	9 55	1 51		8 23 23			4 51	2 16
F 6	6 27	7 40 4 5			1 26 10 40	1 17		0 21	5 25	2 47	9 40	0 48	9 55	1 51	4 13 13 5				4 52	2 16
S 7	6 49	2 8 5	1 14 42 3	7 4 43	1 27 10 23	1 17	19 45	0 21	5 24	2 48	9 40	0 48	9 54	1 51	4 14 13 5	7 23 24	23 22	22 31	4 54	2 16
S 8	7 12	3 s24 4 5	50 14 35 3	3 4 15	1 28 10 6	1 17	19 44	0 21	5 22	2 48	9 41	0 48	9 54	1 51	4 14 13 5	7 23 24	23 23	22 31	4 55	2 16
M 9	7 34	8 41 4 2	-	57 3 47	1 29 9 49	1 18		0 21	5 20	2 48	9 42	0 48	9 53	1 51	4 15 13 5				4 56	2 16
T 10	7 56				1 30 9 31		19 40	0 22	5 18	2 48	9 42	0 48	9 52	1 51	4 15 13 5				4 58	2 16
W11	8 18				1 31 9 14		19 39	0 22	5 17	2 48	9 43	0 48	9 52	1 51	4 16 13 5				4 59	2 16
T 12				-	1 32 8 57	1 18		0 22	5 15	2 48	9 43	0 48	9 51	1 51		6 23 25			5 0	2 15
F 13			49 13 10 2		1 32 8 39		19 35	0 22	5 13	2 48	9 44	0 48	9 51	1 51	4 17 13 5				5 2	2 15
S 14	9 24	23 34 0s1	15 12 45 2	8 1 24	1 33 8 22	1 19	19 34	0 22	5 12	2 48	9 44	0 48	9 50	1 51	4 17 13 5	6 23 26	23 23	22 27	5 3	2 15
S 15	9 45	23 27 1 1	18 12 19 1	55 0 55	1 33 8 4	1 19	19 32	0 23	5 10	2 48	9 45	0 48	9 50	1 51	4 18 13 5	6 23 26	23 23	22 27	5 5	2 15
M16		22 17 2 1			1 34 7 47	1 19	-,	0 23	5 8	2 47	9 45	0 48	9 49	1 51	4 18 13 5				5 6	2 15
T 17			-		1 34 7 29	1 19		0 23	5 7	2 47	9 46	0 48	9 48	1 51		6 23 26			5 7	2 15
W18	10 49				1 35 7 11	1 20		0 23	5 5	2 47	9 46	0 48	9 48	1 51	4 19 13 5				5 9	2 15
T 19	11 10				1 35 6 53			0 23	5 3	2 47	9 47	0 48	9 47	1 51		5 23 26			5 10	2 15
F 20	11 30	8 54 4 5			1 35 6 36			0 23	5 2	2 47	9 47	0 48	9 47	1 51		5 23 26			5 11	2 15
S 21	11 51	4 0 5	4 9 20 0	18 1 58	1 35 6 18	1 20	19 24	0 24	5 0	2 47	9 48	0 48	9 46	1 51	4 20 13 5	5 23 26	23 24	22 23	5 13	2 15
S 22	12 11	1n11 4 5	58 8 51 0	1 2 27	1 35 6 0	1 20	19 22	0 24	4 58	2 47	9 48	0 48	9 45	1 51	4 21 13 5	5 23 27	23 24	22 22	5 14	2 15
M23	12 31	6 27 4 3	36 8 24 0s	16 2 55	1 35 5 42	1 20	19 21	0 24	4 57	2 47	9 49	0 48	9 45	1 51	4 21 13 5	5 23 27	23 24	22 22	5 15	2 15
T 24	-	11 31 3 5	59 7 58 0	-	1 35 5 24	-		0 24	4 55	2 47	9 49	0 48	9 44	1 51		5 23 27			5 17	2 15
W25	13 11	16 6 3			1 35 5 6	1 21	19 19	0 24	4 54	2 47	9 49	0 48	9 44	1 51	4 22 13 5				5 18	2 15
T 26	13 30		3 7 13 1	4 4 22	1 34 4 47	1 21	19 18	0 25	4 52	2 47	9 50	0 48	9 43	1 51	4 22 13 5				5 19	2 15
F 27	13 49				1 34 4 29	1 21	19 17	0 25	4 50	2 47	9 50	0 48	9 43	1 51	4 23 13 5				5 21	2 15
S 28	14 8	23 41 0n2	25 6 37 1	33 5 19	1 33 4 11	1 21	19 16	0 25	4 49	2 47	9 50	0 48	9 42	1 51	4 23 13 5	4 23 27	23 25	22 18	5 22	2 15
S 29	14 27	23 23 1 3	39 6 22 1	46 5 47	1 33 3 53	1 21	19 14	0 25	4 47	2 47	9 50	0 48	9 42	1 51	4 24 13 5	4 23 27	23 25	22 18	5 23	2 15
M30	14n46	21n34 2n4	48 6n10 1s	s58 6n15	1 s32 3 s35	1 s21	19s13	$0\mathrm{s}25$	4 s46	2n46	9n51	0n48	9s41	1n51	4n24 13 s5	4 23n27	23n25	22 s17	5n25	2n15

 $\label{eq:Julian Day Number = 2316130.5, Delta T = 58.56 sec} \\ Ecliptic obliquity = 23°29'15, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°33'56, Lahiri = 18°40'57Greg. Calendar$ 

MAY 1629 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	<del>4</del>	Р	ß	v	Ç	ķ	Day
T 1	14 36 21	10842'12	19 <b>Ω</b> 57	20 <b>Y</b> 31	20 <b>Υ</b> 49	24 <b>)</b> 53	6≈ 3	18°R37	6°R35	29°R45	20812	2°R52	49911	0≈48	8 <b>Y</b> 28	T 1
W 2	14 40 17	11°40'14	4 Mp 2	20°39	22° 3	25°39	6° 8	18 <b>≏</b> 33	6 <b>m</b> 34	29 <b>△</b> 43	20°13	29549	4° 8	0°55	8°31	W 2
T 3	14 44 14	12°38'14	18° 2	20°52	23°16	26°25	6°12	18°29	6°34	29°41	20°14	2°45	4° 5	1° 2	8°34	T 3
F 4	14 48 10	13°36'11	1 <b>≏</b> 54	21°10	24°29	27°11	6°16	18°25	6°33	29°40	20°16	2°39	4° 2	1°8	8°37	F 4
S 5	14 52 7	14°34'07	15°38	21°32	25°43	27°57	6°20	18°21	6°33	29°38	20°17	2°32	3°59	1°15	8°41	S 5
S 6	14 56 3	15°32'02	29° 8	21°59	26°56	28°42	6°23	18°17	6°32	29°37	20°18	2°24	3°55	1°22	8°44	S 6
M 7	15 0 0	16°29'54	12 <b>M</b> 24	22°29	28° 9	29°28	6°27	18°13	6°32	29°35	20°20	2°16	3°52	1°28	8°47	M 7
T 8	15 3 56	17°27'45	25°24	23° 4	29°23	0 <b>Υ</b> 14	6°30	18° 9	6°31	29°34	20°21	2°10	3°49	1°35	8°50	T 8
W 9	15 7 53	18°25'35	8 <b>.</b> ₹ 7	23°43	0 <b>8</b> 36	1° 0	6°33	18° 6	6°31	29°32	20°23	2° 5	3°46	1°42	8°53	W 9
T 10	15 11 50	19°23'23	20°34	24°25	1°49	1°45	6°36	18° 2	6°31	29°30	20°24	2° 3	3°43	1°48	8°56	T 10
F 11	15 15 46	20°21'11	2 <b>ප</b> 46	25°11	3° 3	2°31	6°39	17°59	6°31	29°29	20°25	2°D 2	3°39	1°55	8°59	F 11
S 12	15 19 43	21°18'56	14°46	26° 1	4°16	3°17	6°42	17°55	6°31	29°27	20°27	2° 3	3°36	2° 2	9° 2	S 12
S 13	15 23 39	22°16'41	26°39	26°54	5°29	4° 2	6°44	17°52	6°31	29°26	20°28	2° 4	3°33	2°8	9° 5	S 13
M14	15 27 36	23°14'24	8 <b>≈</b> 29	27°50	6°43	4°48	6°47	17°48	6°D30	29°25	20°29	2° 6	3°30	2°15	9° 8	M14
T 15	15 31 32	24°12'07	20°20	28°50	7°56	5°33	6°49	17°45	6°31	29°23	20°31	2°R 7	3°27	2°22	9°10	T 15
W16	15 35 29	25° 9'48	2 <b>)</b> 18	29°52	9° 9	6°19	6°50	17°42	6°31	29°22	20°32	2° 7	3°24	2°28	9°13	W16
T 17	15 39 25	26° 7'28	14°28	0 <b>8</b> 58	10°23	7° 4	6°52	17°39	6°31	29°20	20°33	2° 5	3°20	2°35	9°16	T 17
F 18	15 43 22	27° 5'07	26°53	2° 7	11°36	7°50	6°54	17°36	6°31	29°19	20°35	2° 2	3°17	2°42	9°19	F 18
S 19	15 47 19	28° 2'45	9 <b>Ƴ</b> 39	3°18	12°50	8°35	6°55	17°33	6°31	29°17	20°36	1°58	3°14	2°48	9°21	S 19
S 20	15 51 15	29° 0'22	22°46	4°32	14° 3	9°20	6°56	17°30	6°31	29°16	20°37	1°53	3°11	2°55	9°24	S 20
M21	15 55 12	29°57'58	6816	5°49	15°16	10° 5	6°57	17°27	6°32	29°15	20°39	1°47	3° 8	3° 2	9°27	M21
T 22	15 59 8	0 <b>Ⅲ</b> 55'33	20° 7	7° 9	16°30	10°51	6°58	17°25	6°32	29°13	20°40	1°43	3° 4	3° 8	9°29	T 22
W23	16 3 5	1°53'07	4 <b>I</b> I16	8°31	17°43	11°36	6°58	17°22	6°33	29°12	20°41	1°40	3° 1	3°15	9°32	W23
T 24	16 7 1	2°50'40	18°39	9°56	18°56	12°21	6°59	17°19	6°33	29°11	20°43	1°38	2°58	3°22	9°34	T 24
F 25	16 10 58	3°48'11	39910	11°24	20°10	13° 6	6°R59	17°17	6°34	29° 9	20°44	1°D37	2°55	3°28	9°37	F 25
S 26	16 14 54	4°45'42	17°44	12°54	21°23	13°51	6°59	17°15	6°34	29° 8	20°45	1°38	2°52	3°35	9°39	S 26
S 27	16 18 51	5°43'11	2⋒14	14°26	22°37	14°36	6°59	17°12	6°35	29° 7	20°47	1°39	2°49	3°42	9°42	S 27
M28	16 22 48	6°40'39	16°38	16° 2	23°50	15°21	6°58	17°10	6°36	29° 6	20°48	1°40	2°45	3°48	9°44	M28
T 29	16 26 44	7°38'05	0 <b>m</b> ,52	17°39	25° 4	16° 6	6°58	17° 8	6°36	29° 4	20°49	1°41	2°42	3°55	9°46	T 29
W30	16 30 41	8°35'31	14°54	19°20	26°17	16°50	6°57	17° 6	6°37	29° 3	20°51	1°R41	2°39	4° 2	9°48	W30
T 31	16 34 37	9 <b>Ⅲ</b> 32'55	28Mp42	218 2	27 <b>8</b> 30	17 <b>Y</b> 35	6≈56	17 <b>♀</b> 4	6 <b>m</b> 38	29 <b>♀</b> 2	20852	19540	2936	4≈ 8	9 <b>Ƴ</b> 51	T 31

Day	0	D	ğ		2	♂	2	4	ħ	ı	);	j(	<del>¥</del>		Р	n	U	Ç	ķ	;
	decl	decl lat	decl	lat decl	lat de	cl lat	decl	lat	decl	lat	decl	lat	decl l	at	decl lat	decl	decl	decl	decl	lat
T 1 W 2 T 3 F 4 S 5	15n 4 15 22 15 40 15 57 16 14	18n25 3n4d 14 14 4 3d 9 18 4 5d 3 56 5 1s33 4 5d	5 54 5 50 5 49	2s10 6n44 2 21 7 12 2 31 7 39 2 40 8 7 2 48 8 35	1 31 2 1 30 2 1 30 2	58 1 21 40 1 21	19 12 19 11 19 10	0 s26 0 26 0 26 0 26 0 26	4 s 4 5 4 4 3 4 4 2 4 4 0 4 3 9	2n46 2 46 2 46 2 46 2 46	9n51 9 51 9 51 9 51 9 52	0n47 0 47 0 47 0 47 0 47	9 39 9 39	1n51 1 51 1 51 1 51 1 51	4n25 13 s54 4 25 13 54 4 25 13 54 4 26 13 54 4 26 13 54	23 27 23 28 23 28 23 28	23 25 23 25 23 26	22 16 22 15 22 14	5n26 5 27 5 28 5 30 5 31	2n15 2 15 2 15 2 15 2 15 2 15
S 6 M 7 T 8 W 9 T 10	16 31 16 48 17 5 17 21 17 37	16 9 3 1 19 38 2 1 22 7 1	5 5 58 5 6 6 6 6 16 2 6 28	2 55 9 2 3 1 9 29 3 6 9 56 3 11 10 23 3 14 10 50	1 28 1 1 27 1 1 26 1 1 25 0 1 23 0	46 1 21 27 1 21 9 1 21 51 1 21 33 1 21	19 8 19 8 19 7 19 7 19 6	0 27 0 27 0 27 0 27 0 27	4 38 4 36 4 35 4 34 4 33	2 46 2 46 2 45 2 45 2 45	9 52 9 52 9 52 9 52 9 52	0 47 0 47 0 47 0 47	9 37 9 36 9 36	1 51 1 51 1 51 1 51 1 51	4 26 13 54 4 27 13 54 4 27 13 54 4 28 13 54 4 28 13 54	1 23 28 1 23 28 1 23 28 1 23 28 1 23 28 1 23 28	23 26 23 26 23 26 23 26 23 26	22 13 22 12 22 11 22 11 22 10	5 32 5 33 5 35 5 36 5 37	2 15 2 15 2 15 2 15 2 15 2 15
F 11 S 12 S 13 M14 T 15 W16 T 17	17 52 18 8 18 23 18 37 18 52 19 6 19 19	23 48 1 1 22 59 2 10 21 10 3 1 18 25 3 5 14 53 4 3	0 6 58 0 7 16 5 7 36 6 7 57 8 20	3 17 11 16 3 19 11 42 3 20 12 8 3 21 12 33 3 21 12 58 3 20 13 23 3 18 13 48	1 22 0 1 21 0n 1 20 0 1 18 0 1 17 0 1 15 1 1 14 1	4 1 21 22 1 21 40 1 21 58 1 21	19 5 19 5 19 4 19 4 19 4	0 28 0 28 0 28 0 28 0 28 0 29 0 29	4 31 4 30 4 29 4 28 4 27 4 26 4 25	2 45 2 45 2 45 2 44 2 44 2 44 2 44	9 52 9 52 9 52 9 52 9 52 9 52 9 52	0 47 0 47 0 47 0 47 0 47	9 35 9 34	1 51 1 51 1 51 1 51 1 51 1 51 1 51	4 30 13 53 4 30 13 53	23 28 3 23 28 3 23 28 3 23 28 23 28	23 26 23 26 23 26 23 27 23 27	22 8 22 8 22 7 22 6 22 5	5 38 5 39 5 40 5 42 5 43 5 44 5 45	2 15 2 15 2 15 2 15 2 15 2 15 2 15 2 15
F 18 S 19 S 20 M21 T 22	19 33 19 46 19 59 20 11 20 23	-	9 37 2 10 5 3 10 35 3 11 6	3 16 14 12 3 13 14 36 3 9 15 0 3 5 15 23 3 0 15 46	1 10 2 1 9 2 1 7 2 1 5 3	28 1 21 46 1 21 4 1 21	19 3 19 3 19 3 19 3	0 29 0 29 0 29 0 30 0 30	4 24 4 23 4 22 4 21 4 20	2 44 2 44 2 43 2 43 2 43	9 52 9 52 9 51 9 51 9 51	0 47 0 47 0 47 0 47	9 31 9 30 9 30	1 51 1 51 1 51 1 51 1 50	4 31 13 53 4 31 13 53 4 32 13 53 4 32 13 53	3 23 28 3 23 29 3 23 29	23 27 23 27 23 27 23 27	22 3 22 2 22 1 22 0		2 15 2 15 2 15 2 15 2 15 2 15
W23 T 24 F 25 S 26 S 27		21 50 1 1 23 35 0n 9 23 45 1 2	12 43	2 54 16 8 2 48 16 30 2 42 16 52 2 35 17 13 2 27 17 34		57 1 20 15 1 20	19 3 19 3 19 4	0 30 0 30 0 31 0 31	4 19 4 19 4 18 4 17 4 17	2 43 2 43 2 42 2 42 2 42	9 51 9 51 9 50 9 50 9 50	0 46	9 29 9 29 9 29 9 28 9 28	1 50 1 50 1 50 1 50 1 50	4 32 13 54 4 33 13 54 4 33 13 54 4 33 13 54 4 34 13 54	23 29 23 29 23 29	23 27 23 27 23 27	21 59 21 58 21 57	5 51 5 52 5 53 5 54 5 55	2 15 2 15 2 15 2 15 2 15 2 15
M28 T 29 W30		19 25 3 4 15 24 4 3 10 35 5	14 27	2 19 17 54 2 11 18 14 2 2 18 33 1 s52 18 n52	0 54 4 0 52 5 0 50 5	50 1 20 7 1 19 25 1 19	19 4 19 5	0 31 0 31 0 32	4 16 4 15 4 15 4 s14	2 42 2 41 2 41 2n41	9 50 9 49 9 49 9n49	0 46 0 46 0 46	9 27 9 27	1 50 1 50 1 50 1 n50	4 34 13 54 4 34 13 54 4 34 13 54 4n35 13 s54	23 29 23 29 23 29 23 29	23 28 23 28 23 28	21 55 21 55 21 54	5 56 5 57 5 58 5n59	2 16 2 16 2 16 2 16 2n16

Julian Day Number = 2316160.5, Delta T = 58.50 sec Ecliptic obliquity =  $23^{\circ}29'14$ , Nutation = -  $0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'00$ , Lahiri =  $18^{\circ}41'01$ Greg. Calendar

JUNE 1629 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	卉	В	R	v	Ç	ę k	Day
F 1	16 38 34	10 <b>川</b> 30'17	12 <b>≏</b> 17	22848	28844	18 <b>Y</b> 20	6°R55	17°R 2	6 <b>m</b> 39	29°R 1	20 <b>8</b> 53	1°R38	2933	4≈15	9 <b>Υ</b> 53	F 1
S 2	16 42 30	11°27'39	25°37	24°35	29°57	19° 4	6≈53	17 <b>♀</b> 0	6°40	29 <b>♀</b> 0	20°55	1936	2°30	4°22	9°55	S 2
S 3	16 46 27	12°25'00	8 <b>M</b> .44	26°26	1 <b>I</b> I11	19°49	6°52	16°59	6°41	28°59	20°56	1°33	2°26	4°28	9°57	S 3
M 4	16 50 23	13°22'19	21°37	28°18	2°24	20°33	6°50	16°57	6°42	28°58	20°57	1°30	2°23	4°35	9°59	M 4
T 5	16 54 20	14°19'38	4 <b>₹</b> 16	0 <b>Ⅱ</b> 13	3°38	21°18	6°48	16°56	6°43	28°57	20°58	1°28	2°20	4°42	10° 1	T 5
W 6	16 58 17	15°16'56	16°42	2°10	4°51	22° 2	6°46	16°54	6°45	28°56	21° 0	1°27	2°17	4°48	10° 3	W 6
T 7	17 2 13	16°14'14	28°56	4°10	6° 4	22°47	6°44	16°53	6°46	28°55	21° 1	1°D26	2°14	4°55	10° 5	T 7
F 8	17 6 10	17°11'31	11る 1	6°11	7°18	23°31	6°41	16°52	6°47	28°54	21° 2	1°27	2°10	5° 2	10° 7	F 8
S 9	17 10 6	18° 8'47	22°57	8°15	8°31	24°15	6°39	16°51	6°48	28°53	21° 3	1°27	2° 7	5° 8	10° 9	S 9
S 10	17 14 3	19° 6'03	4≈48	10°20	9°45	24°59	6°36	16°50	6°50	28°52	21° 5	1°28	2° 4	5°15	10°10	S 10
M11	17 17 59	20° 3'18	16°37	12°27	10°58	25°43	6°33	16°49	6°51	28°51	21° 6	1°29	2° 1	5°22	10°12	M11
T 12	17 21 56	21° 0'33	28°29	14°35	12°12	26°27	6°30	16°48	6°53	28°50	21° 7	1°30	1°58	5°28	10°14	T 12
W13	17 25 53	21°57'48	10 <b>∺</b> 27	16°45	13°25	27°11	6°26	16°48	6°54	28°49	21° 8	1°31	1°55	5°35	10°16	W13
T 14	17 29 49	22°55'02	22°36	18°55	14°39	27°55	6°23	16°47	6°56	28°48	21° 9	1°R31	1°51	5°42	10°17	T 14
F 15	17 33 46	23°52'16	5 <b>℃</b> 0	21° 6	15°52	28°39	6°19	16°46	6°57	28°48	21°11	1°31	1°48	5°48	10°19	F 15
S 16	17 37 42	24°49'30	17°44	23°18	17° 6	29°23	6°15	16°46	6°59	28°47	21°12	1°31	1°45	5°55	10°20	S 16
S 17	17 41 39	25°46'44	0 <b>8</b> 51	25°29	18°19	08 7	6°11	16°46	7° 1	28°46	21°13	1°30	1°42	6° 2	10°22	S 17
M18	17 45 35	26°43'58	14°23	27°41	19°33	0°50	6° 7	16°46	7° 3	28°45	21°14	1°29	1°39	6° 8	10°23	M18
T 19	17 49 32	27°41'12	28°19	29°52	20°47	1°34	6° 2	16°D45	7° 4	28°45	21°15	1°29	1°36	6°15	10°24	T 19
W20	17 53 28	28°38'26	12 <b>Ⅱ</b> 40	295 2	22° 0	2°17	5°58	16°45	7° 6	28°44	21°16	1°29	1°32	6°22	10°26	W20
T 21	17 57 25	29°35'39	27°19	4°11	23°14	3° 1	5°53	16°46	7°8	28°44	21°17	1°D29	1°29	6°28	10°27	T 21
F 22	18 1 22	0932'53	129511	6°19	24°27	3°44	5°48	16°46	7°10	28°43	21°18	1°29	1°26	6°35	10°28	F 22
S 23	18 5 18	1°30'06	27° 8	8°26	25°41	4°27	5°43	16°46	7°12	28°42	21°20	1°R29	1°23	6°42	10°29	S 23
S 24	18 9 15	2°27'18	120 2	10°32	26°55	5°11	5°38	16°46	7°14	28°42	21°21	1°29	1°20	6°48	10°30	S 24
M25	18 13 11	3°24'31	26°46	12°36	28° 8	5°54	5°33	16°47	7°16	28°41	21°22	1°29	1°16	6°55	10°31	M25
T 26	18 17 8	4°21'42	11 <b>M</b> p14	14°38	29°22	6°37	5°27	16°48	7°18	28°41	21°23	1°28	1°13	7° 2	10°32	T 26
W27	18 21 4	5°18'54	25°23	16°38	0ഇ36	7°20	5°21	16°48	7°21	28°40	21°24	1°28	1°10	7° 8	10°33	W27
T 28	18 25 1	6°16'05	9 <b>≏</b> 10	18°37	1°49	8° 3	5°16	16°49	7°23	28°40	21°25	1°D28	1° 7	7°15	10°34	T 28
F 29	18 28 57	7°13'16	22°37	20°33	3° 3	8°45	5°10	16°50	7°25	28°40	21°26	1°28	1° 4	7°22	10°35	F 29
S 30	18 32 54	8910'26	5 <b>M</b> .44	229528	49917	9 <b>8</b> 28	5≈ 4	16 <b>≏</b> 51	7 <b>™</b> 27	28 <b>2</b> 39	21827	19529	199 1	7≈28	10 <b>Y</b> 36	S 30

Day	0	D	ğ	·	♂	4	ħ	)Å(	并	Р	ß Ω	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
F 1 S 2	22n 4 22 12		16n51 1s4 3 17 28 1 3	13 19n11 0s45 33 19 29 0 43	5n59 1s19 6 16 1 19	19s 6 0s32 19 7 0 32	4s14 2n41 4 13 2 41	9n48 0n46 9 48 0 46			23n29 23n28 23 29 23 28		6n 0 2n16 6 1 2 16
S 3 M 4 T 5 W 6	22 27	14 57 3 23 18 40 2 25	18 40 1 1 5 19 15 1			19 8 0 33 19 8 0 33	4 13 2 40 4 13 2 40 4 12 2 40 4 12 2 40	9 47 0 46 9 47 0 46 9 46 0 46 9 46 0 46	9 25 1 50 9 24 1 50	4 36 13 54 4 36 13 54	23 29 23 28 23 29 23 28 23 29 23 28 23 29 23 28	21 49 21 48	6 2 2 16 6 3 2 16 6 3 2 16 6 4 2 16
T 7 F 8 S 9	22 52 22 57	23 54 0s53 23 27 1 56	3 20 56 0 2 5 21 27 0 1	39 20 50 0 32 28 21 5 0 30 17 21 19 0 27	7 57 1 17 8 14 1 17	19 10 0 33 19 11 0 34 19 12 0 34	4 12 2 39 4 11 2 39 4 11 2 39	9 45 0 46 9 44 0 46	9 24 1 50 9 23 1 50	4 37 13 54 4 37 13 55	23 29 23 28 23 29 23 28 23 29 23 28	21 46 21 45	6 5 2 16 6 6 2 16 6 7 2 16
S 10 M11 T 12 W13 T 14 F 15 S 16	23 7 23 11	19 27 3 45 16 11 4 26 12 14 4 56 7 44 5 13 2 51 5 17	5 22 25 On 5 22 52 O 1 5 23 16 O 2 6 23 38 O 3 7 23 57 O 4	5 21 33 0 25 5 21 46 0 23 16 21 58 0 20 26 22 10 0 18 36 22 21 0 15 46 22 31 0 13 55 22 41 0 11	8 47 1 16 9 3 1 16 9 19 1 15 9 35 1 15 9 51 1 15	19 13 0 34 19 14 0 34 19 15 0 34 19 16 0 35 19 17 0 35 19 18 0 35 19 19 0 35	4 11 2 39 4 11 2 38 4 11 2 38 4 11 2 38 4 11 2 37 4 11 2 37	9 43 0 46 9 43 0 46 9 42 0 46 9 41 0 46 9 41 0 46	9 23 1 50 9 22 1 50 9 22 1 50 9 22 1 50 9 22 1 49	4 37 13 55 4 37 13 55 4 37 13 55 4 38 13 55 4 38 13 55	23 29 23 28 23 29 23 29	21 43 21 42 21 41 21 40 21 39	6 7 2 16 6 8 2 16 6 9 2 16 6 9 2 16 6 10 2 16 6 11 2 16 6 11 2 16
S 17 M18 T 19 W20 T 21 F 22 S 23	23 25 23 27 23 28 23 29 23 29 23 29 23 29 23 29	12 29 3 53 17 0 2 54 20 40 1 43 23 5 0 23 23 55 0n59	3 24 40 1 1 1 24 48 1 1 3 24 54 1 2 3 24 57 1 3 2 24 57 1 3	12 22 59 0 6 19 23 6 0 3 26 23 14 0 1 32 23 20 0n 1 37 23 26 0 4	10 38 1 14 10 54 1 13 11 9 1 13 11 24 1 12 11 39 1 12	19 20 0 36 19 22 0 36 19 23 0 36 19 24 0 36 19 26 0 36 19 27 0 37 19 28 0 37	4 11 2 37 4 12 2 36 4 12 2 36	9 39 0 45 9 38 0 45 9 37 0 45 9 37 0 45 9 36 0 45	9 21 1 49 9 21 1 49 9 21 1 49 9 21 1 49 9 20 1 49	4 38 13 56 4 38 13 56 4 39 13 56 4 39 13 56 4 39 13 56	23 29 23 29 23 29 23 29	21 36 21 35 21 34 21 33 21 32	6 12 2 16 6 13 2 16 6 13 2 16 6 14 2 17 6 14 2 17 6 15 2 17 6 15 2 17
	23 28 23 27 23 25 23 23 23 20 23 17 23n14	16 42 4 21 11 57 4 58 6 40 5 16 1 11 5 15 4s14 4 56	24 41 1 4 3 24 31 1 5 5 24 19 1 5 5 24 4 1 5 6 23 47 1 5	49     23     39     0     11       51     23     42     0     13       53     23     45     0     16       53     23     46     0     18       54     23     47     0     20	12 24 1 11 12 39 1 10 12 53 1 10 13 7 1 9 13 22 1 9	19 30 0 37 19 31 0 37 19 33 0 37 19 35 0 38 19 36 0 38 19 38 0 38 19 340 0 s38	4 13 2 35 4 14 2 35 4 14 2 34 4 15 2 34 4 15 2 34 4 16 2 34 4 s16 2n33	9 33 0 45 9 33 0 45 9 32 0 45 9 31 0 45 9 30 0 45	9 20 1 49 9 20 1 49 9 20 1 49 9 20 1 49 9 20 1 49	4 39 13 57 4 39 13 57 4 39 13 57 4 39 13 57 4 39 13 57	23 29 23 29 23 29 23 29	21 29 21 28 21 27 21 26 21 25	6 16 2 17 6 16 2 17 6 17 2 17 6 17 2 17 6 17 2 17 6 18 2 17 6 18 2 17

Julian Day Number = 2316191.5, Delta T = 58.43 sec Ecliptic obliquity =  $23^{\circ}29'14$ , Nutation =  $-0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'05$ , Lahiri =  $18^{\circ}41'05$ Greg. Calendar

JULY 1629 GC 00:00 UT

UUL	1029	uc													00.0	0 01
Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)ţ(	并	В	S.	v	Ç	Ŗ	Day
S 1	18 36 51	995 7'37	18 <b>M</b> .33	249520	5930	10811	4°R58	16 <b>♀</b> 52	7 <b>m</b> 30	28°R39	21828	19529	0957	7≈35	10 <b>Y</b> 36	S 1
M 2	18 40 47	10° 4'47	1 <b>√</b> 7	26°11	6°44	10°53	4≈51	16°53	7°32	28 <b>£</b> 39	21°29	1°30	0°54	7°42	10°37	M 2
T 3	18 44 44	11° 1'57	13°29	28° 0	7°58	11°36	4°45	16°55	7°35	28°39	21°30	1°31	0°51	7°48	10°38	T 3
W 4	18 48 40	11°59'08	25°40	29°47	9°12	12°18	4°38	16°56	7°37	28°38	21°31	1°R31	0°48	7°55	10°38	W 4
T 5	18 52 37	12°56'18	7 <b>云</b> 42	1 <b>Q</b> 32	10°25	13° 1	4°32	16°57	7°40	28°38	21°32	1°31	0°45	8° 2	10°39	T 5
F 6	18 56 33	13°53'29	19°39	3°14	11°39	13°43	4°25	16°59	7°42	28°38	21°32	1°31	0°42	8° 8	10°39	F 6
S 7	19 0 30	14°50'40	1≈30	4°55	12°53	14°25	4°18	17° 1	7°45	28°38	21°33	1°29	0°38	8°15	10°40	S 7
S 8	19 4 26	15°47'51	13°20	6°34	14° 7	15° 7	4°11	17° 2	7°47	28°38	21°34	1°28	0°35	8°22	10°40	S 8
M 9	19 8 23	16°45'03	25°10	8°11	15°20	15°49	4° 4	17° 4	7°50	28°38	21°35	1°25	0°32	8°28	10°40	M 9
T 10	19 12 20	17°42'15	7 <b>∺</b> 3	9°46	16°34	16°31	3°57	17° 6	7°53	28°D38	21°36	1°23	0°29	8°35	10°41	T 10
W11	19 16 16	18°39'27	19° 2	11°19	17°48	17°13	3°50	17° 8	7°55	28°38	21°37	1°21	0°26	8°42	10°41	W11
T 12	19 20 13	19°36'41	1 <b>Υ</b> 11	12°49	19° 2	17°54	3°43	17°10	7°58	28°38	21°37	1°19	0°22	8°48	10°41	T 12
F 13	19 24 9	20°33'55	13°34	14°18	20°16	18°36	3°35	17°13	8° 1	28°38	21°38	1°18	0°19	8°55	10°41	F 13
S 14	19 28 6	21°31'09	26°14	15°45	21°30	19°18	3°28	17°15	8° 4	28°38	21°39	1°D18	0°16	9° 2	10°R41	S 14
S 15	19 32 2	22°28'25	9 <b>8</b> 16	17°10	22°43	19°59	3°20	17°17	8° 7	28°38	21°40	1°19	0°13	9° 8	10°41	S 15
M16	19 35 59	23°25'41	22°42	18°32	23°57	20°40	3°13	17°20	8°10	28°38	21°41	1°20	0°10	9°15	10°41	M16
T 17	19 39 55	24°22'59	6 <b>Ⅱ</b> 35	19°53	25°11	21°22	3° 5	17°23	8°13	28°38	21°41	1°22	0° 7	9°22	10°41	T 17
W18	19 43 52	25°20'17	20°54	21°11	26°25	22° 3	2°58	17°25	8°16	28°39	21°42	1°23	0° 3	9°28	10°41	W18
T 19	19 47 49	26°17'36	5936	22°27	27°39	22°44	2°50	17°28	8°19	28°39	21°43	1°R23	0° 0	9°35	10°40	T 19
F 20	19 51 45	27°14'56	20°37	23°41	28°53	23°25	2°42	17°31	8°22	28°39	21°43	1°22	29 <b>Ⅱ</b> 57	9°42	10°40	F 20
S 21	19 55 42	28°12'16	5 <b>Ω</b> 48	24°53	0 <b>Ω</b> 7	24° 6	2°35	17°34	8°25	28°40	21°44	1°20	29°54	9°48	10°40	S 21
S 22	19 59 38	29° 9'37	20°59	26° 2	1°21	24°46	2°27	17°37	8°28	28°40	21°45	1°16	29°51	9°55	10°39	S 22
M23	20 3 35	0 <b>Ω</b> 6'59	6Mp 1	27° 8	2°35	25°27	2°19	17°40	8°31	28°40	21°45	1°13	29°48	10° 2	10°39	M23
T 24	20 7 31	1° 4'21	20°46	28°13	3°49	26° 7	2°11	17°43	8°34	28°41	21°46	1° 9	29°44	10° 9	10°38	T 24
W25	20 11 28	2° 1'44	5 <b>₾</b> 6	29°14	5° 3	26°48	2° 3	17°47	8°37	28°41	21°46	1° 5	29°41	10°15	10°38	W25
T 26	20 15 24	2°59'07	19° 0	0 <b>m</b> 12	6°17	27°28	1°56	17°50	8°41	28°42	21°47	1° 3	29°38	10°22	10°37	T 26
F 27	20 19 21	3°56'31	2 <b>M</b> 27	1° 8	7°31	28° 8	1°48	17°54	8°44	28°42	21°47	1°D 2	29°35	10°29	10°36	F 27
S 28	20 23 18	4°53'56	15°30	2° 1	8°45	28°48	1°40	17°57	8°47	28°43	21°48	1° 3	29°32	10°35	10°36	S 28
S 29	20 27 14	5°51'21	28°11	2°50	9°59	29°28	1°32	18° 1	8°50	28°43	21°48	1° 4	29°28	10°42	10°35	S 29
M30	20 31 11	6°48'47	10 <b>∡</b> ³35	3°36	11°13	0 <b>Ⅱ</b> 8	1°25	18° 5	8°54	28°44	21°49	1° 6	29°25	10°49	10°34	M30
T 31	20 35 7	7 <b>Ω</b> 46'14	22 <b>×</b> 745	4 <b>m</b> ) 19	12 <b>\O</b> 27	0 <b>Ⅱ</b> 48	1≈17	18 <b>≏</b> 8	8 <b>m</b> 57	28 <b>≏</b> 45	21849	199 7	29∏22	10≈55	10 <b>Y</b> 33	T 31

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S 1 M 2 T 3 W 4 T 5 F 6 S 7	22 51 22 46	17 48 2 4 20 50 1 3 22 53 0 3 23 50 0 83 23 40 1 3	36 23n 8 41 22 45 38 22 22 32 21 57 34 21 30 39 21 2 38 20 34	1 50 23 1 48 23 1 45 23 1 41 23 1 37 23	46 0 27 44 0 29 42 0 32 38 0 34 34 0 36	14 3 1 7 14 17 1 7 14 30 1 6 14 44 1 6 14 57 1 5	19 43 0 39 19 45 0 39 19 46 0 39 19 48 0 39 19 50 0 39	4 19 2 32 4 20 2 32 4 21 2 32	9n28 0n45 9 27 0 45 9 26 0 45 9 25 0 45 9 24 0 45 9 23 0 45 9 22 0 45	9s19 1n49 9 19 1 49 9 19 1 49 9 19 1 48 9 19 1 48 9 19 1 48 9 19 1 48	4 40 13 58 4 40 13 58	23 29 2 23 29 2 23 29 2 23 29 2 23 29 2	23 29 21 : 23 29 21 : 23 29 21 : 23 29 21 : 23 29 21	22 6 19 2 17 21 6 19 2 17 20 6 19 2 17 19 6 20 2 17 18 6 20 2 17
S 8 M 9 T 10 W11 T 12 F 13 S 14	22 33 22 26 22 19 22 11 22 3 21 55 21 46	17 9 4 1 13 23 4 4 9 4 5 4 21 5 1 0n38 5	31 20 4 15 19 34 48 19 3 8 18 31 16 17 58 8 17 26 46 16 52	1 21 23 1 15 23 1 8 23 1 1 22 0 54 22	18 0 42 11 0 44 4 0 46 56 0 48 47 0 50	15 36 1 4 15 48 1 3 16 1 1 2 16 13 1 2 16 25 1 1	19 55 0 40 19 57 0 40 19 59 0 40	4 24 2 31 4 25 2 31	9 21 0 45 9 20 0 45 9 19 0 45 9 18 0 45 9 17 0 45 9 16 0 45 9 15 0 45		4 40 14 0 4 40 14 0	23 29 2 23 29 2 23 29 2 23 29 2 23 29 2	23 29 21	14 6 20 2 18 13 6 21 2 18 12 6 21 2 18 11 6 21 2 18
S 15 M16 T 17 W18 T 19 F 20 S 21	21 27 21 17 21 7 20 56 20 45	15 18 3 1 19 17 2 1 22 13 0 5 23 45 0n2 23 37 1 4	17 15 45 12 15 11 57 14 38	0 29 22 0 20 22 0 10 21 0 0 21 0 s10 21	16 0 56 5 0 57 53 0 59 40 1 1 27 1 3	17 0 0 59 17 12 0 59 17 23 0 58 17 34 0 57 17 45 0 57	20 7 0 41 20 9 0 41 20 11 0 41 20 13 0 42 20 14 0 42 20 16 0 42 20 18 0 42	4 30 2 30 4 31 2 29 4 32 2 29 4 34 2 29 4 35 2 29 4 36 2 28 4 38 2 28	9 14 0 45 9 13 0 45 9 12 0 45 9 11 0 45 9 9 0 44 9 8 0 44 9 7 0 44	9 20 1 48 9 21 1 48 9 21 1 47	4 40 14 1 4 40 14 1 4 40 14 1 4 40 14 1 4 39 14 2	23 29 2 23 29 2 23 29 2 23 29 2 23 29 2	23 29 21 23 29 21	8 6 21 2 18 6 6 21 2 18 5 6 21 2 18 4 6 21 2 18 3 6 21 2 18 2 6 21 2 18 1 6 21 2 18
S 22 M23 T 24 W25 T 26 F 27 S 28	20 10 19 58 19 45 19 32 19 18 19 5	13 42 4 4 8 23 5 2 45 5 1 2 s52 4 5 8 10 4 2 12 57 3 4	8 11 18 12 10 46 58 10 15 27 9 45	0 41 20 0 52 20 1 4 20 1 15 19 1 27 19	43 1 7 27 1 9 11 1 10 54 1 11 36 1 13 18 1 14	18 17 0 54 18 27 0 54 18 37 0 53 18 47 0 52 18 57 0 51 19 6 0 51	20 24 0 42 20 26 0 43 20 28 0 43 20 30 0 43 20 32 0 43	4 39 2 28 4 41 2 28 4 42 2 27 4 43 2 27 4 45 2 27 4 47 2 27 4 48 2 26	9 6 0 44 9 5 0 44 9 4 0 44 9 2 0 44 9 1 0 44 9 0 0 44 8 59 0 44	9 21 1 47 9 21 1 47 9 21 1 47 9 22 1 47 9 22 1 47 9 22 1 47 9 22 1 47	4 39 14 2 4 39 14 3 4 39 14 3 4 39 14 3 4 39 14 3 4 39 14 4	23 29 2 23 29 2 23 29 2 23 29 2 23 29 2 23 29 2	23 29 20 23 29 20 23 29 20 23 29 20 23 29 20 23 29 20 23 29 20 23 29 20 23 29 20 23 29 20	58     6     21     2     18       57     6     20     2     18       56     6     20     2     18       55     6     20     2     19       54     6     20     2     19       52     6     20     2     19
S 29 M30 T 31		17 2 2 5 20 16 1 5 22 s 32 0n4	50 8 19	2 2 18		19 25 0 49	20 33 0 43 20 35 0 43 20 37 0 s43	4 51 2 26	8 57 0 44 8 56 0 44 8n55 0n44	9 23 1 47		23 29 2	23 29 20 23 29 20 23n29 20s	50 6 19 2 19

Julian Day Number = 2316221.5, Delta T = 58.36 sec Ecliptic obliquity =  $23^{\circ}29'14$ , Nutation = -  $0^{\circ}00'17$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'09$ , Lahiri =  $18^{\circ}41'09$ Greg. Calendar

AUGUST 1629 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	♂ <sup>1</sup>	4	ħ	)∤(	¥	В	R	ດ	Ç	ķ	Day
-			4 <del>3</del> 45		13 <b>Ω</b> 41	1 <b>II</b> 28	1°R 9	18 <b>≏</b> 12		28 <b>≏</b> 45	21850	1°R 7	29 <b>I</b> I19		10°R32	W 1
W 1 T 2	20 39 4 20 43 0	8 <b>Ω</b> 43'42 9°41'10	16°39	4 m 57 5°32	13 <b>6</b> 641	2° 7	1°K 9 1≈ 2	18 <b>32</b> 12	9 <b>m)</b> 0 9°4	28°46	21°50	1ºR /	29 <b>1</b> 19	11 <b>≈</b> 2 11° 9	10°K32	T 2
$\begin{array}{c c} 1 & 2 \\ F & 3 \end{array}$	20 46 57	10°38'40	28°30	6° 3	16° 9	2°46	0°54	18°20	9° 7	28°47	21°51	1° 3	29°13	11°15	10°30	F 3
$\begin{bmatrix} \mathbf{r} & 3 \\ \mathbf{S} & 4 \end{bmatrix}$	20 50 54	11°36'11	10 <b>≈</b> 19	6°30	17°23	3°26	0°46	18°24	9°11	28°48	21°51	0°58	29° 9	11°22	10°30	S 4
								-								
S 5	20 54 50	12°33'42	22°10	6°52	18°38	4° 5	0°39	18°29	9°14	28°48	21°51	0°51	29° 6	11°29	10°28	S 5
M 6	20 58 47	13°31'15	4 <b>)</b> € 3	7°10	19°52	4°44	0°32	18°33	9°17	28°49	21°52	0°44	29° 3	11°35	10°27	M 6
T 7	21 2 43	14°28'49	16° 1	7°22	21° 6	5°23	0°24	18°37	9°21	28°50	21°52	0°36	29° 0	11°42	10°26	T 7
W 8	21 6 40	15°26'24	28° 6	7°30	22°20	6° 2	0°17	18°42	9°24	28°51	21°52	0°28	28°57	11°49	10°24	W 8
T 9 F 10	21 10 36 21 14 33	16°24'01 17°21'40	10 <b>Υ</b> 19 22°44	7°R32 7°29	23°34 24°48	6°40 7°19	0°10 0° 3	18°46 18°51	9°28 9°32	28°52 28°53	21°53 21°53	0°22 0°17	28°54 28°50	11°55 12° 2	10°23 10°22	T 9 F 10
S 11	21 14 33 21 18 29	1/°21'40 18°19'19	5 <b>8</b> 24	7°29	24°48 26° 2	7°57	29 <b>궁</b> 55	18°55	9°32	28°54	21°53	0°17 0°14	28°47	12° 2	10°22 10°20	S 11
511	21 10 29				-							0 14		-		
S 12	21 22 26	19°17'01	18°21	7° 5	27°17	8°36	29°49	19° 0	9°39	28°55	21°53	0°D13	28°44	12°15	10°19	S 12
M13	21 26 22	20°14'44	1 <b>Ⅱ</b> 40	6°45	28°31	9°14	29°42	19° 5	9°42	28°56	21°53	0°14	28°41	12°22	10°17	M13
T 14	21 30 19	21°12'29	15°23	6°20	29°45	9°52	29°35	19°10	9°46	28°57	21°54	0°15	28°38	12°29	10°16	T 14
W15	21 34 16	22°10'16	29°32	5°48	0 <b>m</b> 59	10°30	29°28	19°15	9°50	28°58	21°54	0°R15	28°34	12°35	10°14	W15
T 16	21 38 12	23° 8'04	1495 5	5°12	2°13	11° 7	29°22	19°20	9°53	28°59	21°54	0°15	28°31	12°42	10°12	T 16
F 17	21 42 9	24° 5'54	29° 0	4°31	3°28	11°45	29°15	19°25	9°57	29° 0	21°54	0°12	28°28	12°49	10°11	F 17
S 18	21 46 5	25° 3'45	14 <b>Ω</b> 9	3°45	4°42	12°22	29° 9	19°30	10° 1	29° 2	21°54	0° 7	28°25	12°56	10° 9	S 18
S 19	21 50 2	26° 1'38	29°24	2°56	5°56	13° 0	29° 3	19°35	10° 4	29° 3	21°54	29耳59	28°22	13° 2	10° 7	S 19
M20	21 53 58	26°59'33	14 <b>m</b> /34	2° 4	7°10	13°37	28°57	19°40	10°8	29° 4	21°54	29°51	28°19	13° 9	10° 5	M20
T 21	21 57 55	27°57'29	29°28	1°10	8°24	14°14	28°51	19°46	10°12	29° 5	21°54	29°42	28°15	13°16	10° 3	T 21
W22	22 1 51	28°55'26	13 <b>≏</b> 58	0°15	9°39	14°51	28°45	19°51	10°15	29° 7	21°R54	29°35	28°12	13°22	10° 2	W22
T 23	22 5 48	29°53'25	28° 0	29 <b>Ω</b> 20	10°53	15°27	28°39	19°57	10°19	29° 8	21°54	29°29	28° 9	13°29	10° 0	T 23
F 24	22 9 45	0 <b>m</b> 51'24	11 <b>M</b> 33	28°26	12° 7	16° 4	28°34	20° 2	10°23	29° 9	21°54	29°25	28° 6	13°36	9°58	F 24
S 25	22 13 41	1°49'26	24°38	27°35	13°21	16°40	28°28	20° 8	10°26	29°11	21°54	29°23	28° 3	13°42	9°56	S 25
S 26	22 17 38	2°47'29	7 <b>√</b> 18	26°47	14°36	17°17	28°23	20°13	10°30	29°12	21°54	29°D23	28° 0	13°49	9°53	S 26
M27	22 21 34	3°45'33	19°38	26° 4	15°50	17°53	28°18	20°19	10°34	29°13	21°54	29°23	27°56	13°56	9°51	M27
T 28	22 25 31	4°43'38	1 <b>云</b> 44	25°27	17° 4	18°29	28°13	20°25	10°38	29°15	21°54	29°R24	27°53	14° 2	9°49	T 28
W29	22 29 27	5°41'45	13°39	24°57	18°19	19° 4	28° 9	20°31	10°41	29°16	21°54	29°23	27°50	14° 9	9°47	W29
T 30	22 33 24	6°39'54	25°30	24°33	19°33	19°40	28° 4	20°36	10°45	29°18	21°53	29°19	27°47	14°16	9°45	T 30
F 31	22 37 20	7 <b>m</b> 38'04	7≈18	24 <b>Ω</b> 18	20 <b>m</b> /47	20 <b>Ⅱ</b> 15	28 <b>궁</b> 0	20 <b>≏</b> 42	10 <b>M</b> 49	29₽19	21853	29∏14	27 <b>∏</b> 44	14≈22	9 <b>Υ</b> 43	F 31

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F 3	17 36		2 23	6 41	2 50			20 0		20 41	0 43	4 58	2 25	8 51	0 44	9 24	1 47		5 23 29			6 18	2 19
S 4	17 20		3 17	6 20	3 1	16 56	1 21	20 9	0 45	20 44	0 44	5 0	2 25	8 50	0 44	9 24	1 47		5 23 29			6 17	2 19
S 5	17 4	17 57 4	4 1	6 1	3 13	16 34	1 22	20 17	0 44	20 46	0 44	5 2	2 25	8 48	0 44	9 25	1 47	4 38 14	6 23 29	23 29	20 42	6 17	2 19
M 6	16 48	14 19	4 36	5 44	3 24	-		20 25		20 48	0 44	5 4	2 24	8 47	0 44	9 25	1 47		6 23 29		-	6 16	2 19
T 7	16 31		4 58	5 30	3 35	-		20 33		20 49	0 44	5 5	2 24	8 46	-	9 25	1 47		6 23 29			6 16	2 19
W 8 T 9	16 14 15 57		5 8 5 4	5 17 5 7	3 45 3 55		1 24 1 24			20 51 20 53	0 44	5 7 5 9	2 24 2 24	8 44 8 43		9 26 9 26	1 46 1 46		6 23 29 7 23 29			6 16 6 15	2 19 2 19
F 10	15 40		4 45	5 0	4 4			20 48		20 53	0 44 0 44	5 9 5 11	2 24	8 42		9 26	1 46		7 23 29			6 15	2 19
S 11	15 22		4 12	4 56	4 13		1 25			20 56	0 44	5 13	2 23	8 40		9 27	1 46		7 23 29	-		6 14	2 19
S 12	15 4	14 1 3	3 26	4 54	4 20	13 47	1 25	21 9	0 38	20 57	0 44	5 15	2 23	8 39	0 44	9 27	1 46	4 36 14	8 23 29	23 29	20 34	6 13	2 19
M13	14 46	18 8 2	2 28	4 55	4 27	13 21	1 26	21 16	0 37	20 59	0 44	5 17	2 23	8 38	0 44	9 28	1 46	4 36 14	8 23 29	23 29	20 32	6 13	2 19
T 14	14 28	21 22	1 19	5 0	4 32	12 55		21 22	0 36		0 45	5 19	2 23	8 36	0 44	9 28	1 46		8 23 29			6 12	2 19
W15	14 9		0 4	5 7	4 36	12 29		21 29	0 35		0 45	5 21	2 22	8 35	0 44	9 29	1 46		8 23 29			6 12	2 19
T 16	13 50		1n14	5 18	4 38			21 35	0 34		0 45	5 23	2 22	8 33	0 44	9 29	1 46		9 23 29			6 11	2 19
F 17 S 18	13 31 13 12		2 28	5 32 5 49	4 39 4 39	11 36 11 8	1 26 1 26	21 41	0 34 0 33		0 45 0 45	5 25 5 27	2 22 2 22	8 32 8 31	0 44 0 44	9 29 9 30	1 46 1 46		9 23 29 9 23 29			6 10 6 10	2 19 2 19
S 19 M20	12 52 12 32		4 23 4 54	6 9 6 32	4 36 4 31	10 41 10 13		21 53 21 58	0 32 0 31		0 45 0 45	5 29 5 32	2 22 2 22	8 29 8 28	0 44 0 44	9 30 9 31	1 46 1 46		9 23 29 0 23 29			6 9 6 8	2 19 2 19
T 21	12 12		5 5	6 57	4 25	9 45		22 4		21 10	0 45	5 34	2 21	8 26	0 44	9 31	1 46		0 23 29			6 8	2 19
W22	11 52		4 56	7 24	4 17	9 17		22 9		21 11	0 45	5 36	2 21	8 25	0 44	9 32	1 46		0 23 29			6 7	2 19
T 23	11 32	6 36	4 28	7 53	4 6	8 48	1 25	22 14	0 28	21 12	0 45	5 38	2 21	8 24	0 44	9 32	1 46	4 34 14 10	0 23 29	23 28	20 19	6 6	2 19
F 24	11 12	11 44 3	3 47	8 22	3 54	8 20		22 19	0 27	21 14	0 45	5 40	2 21	8 22	0 44	9 33	1 46		1 23 29			6 5	2 19
S 25	10 51	16 9 2	2 55	8 53	3 41	7 50	1 24	22 24	0 25	21 15	0 45	5 43	2 21	8 21	0 44	9 33	1 46	4 33 14 1	1 23 29	23 28	20 16	6 5	2 19
S 26			1 55	9 23	3 26	7 21		22 28		21 16	0 45	5 45	2 20	8 19	-	9 34	1 46	4 33 14 1				6 4	2 19
M27	10 9		0 52	9 53	3 9	6 52		22 33		21 17	0 45	5 47	2 20	8 18		9 35	1 46	4 33 14 1	-		-	6 3	2 19
T 28 W29	9 48			10 22 10 49	2 52 2 34	6 22 5 52		22 37 22 41		21 18 21 19	0 45 0 45	5 50 5 52	2 20 2 20	8 16 8 15	-	9 35 9 36	1 45 1 45	4 32 14 12	2 23 29			6 2 6 1	2 19 2 19
T 30	9 20		-	10 49	2 15	5 22		22 41		21 19	0 45	5 54	2 20	8 14		9 36	1 45	4 32 14 12				6 0	2 19
F 31	, .			11n37	1 s 5 6	4n52		22n49		21 s21	0 s45	5 s 5 7	2n20	8n12		9s37	1n45	4n31 14s1				5n59	2n19

Julian Day Number = 2316252.5, Delta T = 58.29 sec Ecliptic obliquity = 23°29'15, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°34'13, Lahiri = 18°41'13Greg. Calendar

SEPTEMBER 1629 GC 00:00 UT

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Day	Sid.t	0	D	ğ	ρ	ð	4	ħ	)∤(	并	В	n	v	Ç	k <sub>O</sub>	Day
S 1	22 41 17	8 <b>m</b> 36'16	19 <b>≈</b> 9	24°D11	22 Mp 1	20П50	27°R55	20 <b>≏</b> 48	10 <b>m</b> 53	29 <b>₽</b> 21	21°R53	29°R 5	27 <b>Ⅱ</b> 40	14≈29	9°R40	S 1
S 2	22 45 14	9°34'29	1 <b>)</b> 3	24 <b>Ω</b> 13	23°16	21°25	27 <b>궁</b> 51	20°54	10°57	29°23	21853	28П54	27°37	14°36	9 <b>Υ</b> 38	S 2
M 3	22 49 10	10°32'44	13° 3	24°24	24°30	22° 0	27°47	21° 0	11° 0	29°24	21°53	28°42	27°34	14°42	9°36	M 3
T 4	22 53 7	11°31'01	25°10	24°44	25°44	22°35	27°44	21° 7	11° 4	29°26	21°52	28°29	27°31	14°49	9°33	T 4
W 5	22 57 3	12°29'20	7 <b>Y</b> 25	25°13	26°58	23° 9	27°40	21°13	11° 8	29°27	21°52	28°16	27°28	14°56	9°31	W 5
T 6	23 1 0	13°27'40	19°49	25°50	28°13	23°44	27°37	21°19	11°12	29°29	21°52	28° 5	27°25	15° 3	9°28	T 6
F 7	23 4 56	14°26'03	2 <b>8</b> 23	26°36	29°27	24°18	27°34	21°25	11°15	29°31	21°51	27°57	27°21	15° 9	9°26	F 7
S 8	23 8 53	15°24'28	15° 9	27°30	0 <b>≏</b> 41	24°52	27°31	21°31	11°19	29°33	21°51	27°51	27°18	15°16	9°23	S 8
S 9	23 12 49	16°22'55	28° 9	28°31	1°55	25°25	27°28	21°38	11°23	29°34	21°51	27°48	27°15	15°23	9°21	S 9
M10	23 16 46	17°21'24	11 <b>II</b> 26	29°39	3°10	25°59	27°25	21°44	11°27	29°36	21°50	27°47	27°12	15°29	9°18	M10
T 11	23 20 43	18°19'56	25° 2	0 <b>m</b> 54	4°24	26°32	27°23	21°51	11°30	29°38	21°50	27°47	27° 9	15°36	9°16	T 11
W12	23 24 39	19°18'29	8959	2°14	5°38	27° 5	27°20	21°57	11°34	29°40	21°50	27°46	27° 5	15°43	9°13	W12
T 13	23 28 36	20°17'05	23°17	3°40	6°53	27°38	27°18	22° 4	11°38	29°41	21°49	27°45	27° 2	15°49	9°11	T 13
F 14	23 32 32	21°15'44	$7\Omega$ 56	5°10	8° 7	28°11	27°16	22°10	11°42	29°43	21°49	27°41	26°59	15°56	9° 8	F 14
S 15	23 36 29	22°14'24	22°49	6°44	9°21	28°43	27°15	22°17	11°45	29°45	21°48	27°34	26°56	16° 3	9° 5	S 15
S 16	23 40 25	23°13'06	7 <b>m</b> 51	8°22	10°35	29°16	27°13	22°23	11°49	29°47	21°48	27°24	26°53	16° 9	9° 3	S 16
M17	23 44 22	24°11'51	22°52	10° 2	11°50	29°48	27°12	22°30	11°53	29°49	21°47	27°13	26°50	16°16	9° 0	M17
T 18	23 48 18	25°10'37	7 <b>≙</b> 42	11°45	13° 4	0ഇ19	27°11	22°37	11°57	29°51	21°47	27° 2	26°46	16°23	8°57	T 18
W19	23 52 15	26° 9'25	22°13	13°30	14°18	0°51	27°10	22°43	12° 0	29°53	21°46	26°51	26°43	16°30	8°54	W19
T 20	23 56 12	27° 8'16	6 <b>M</b> .18	15°16	15°33	1°22	27° 9	22°50	12° 4	29°55	21°45	26°42	26°40	16°36	8°52	T 20
F 21	0 0 8	28° 7'08	19°54	17° 3	16°47	1°53	27° 9	22°57	12° 8	29°57	21°45	26°36	26°37	16°43	8°49	F 21
S 22	0 4 5	29° 6'02	3 <b>∡</b> 3	18°51	18° 1	2°24	27° 9	23° 4	12°11	29°59	21°44	26°32	26°34	16°50	8°46	S 22
S 23	0 8 1	0 <b>♀</b> 4'57	15°46	20°40	19°15	2°55	27°D 8	23°11	12°15	OM 1	21°44	26°31	26°31	16°56	8°43	S 23
M24	0 11 58	1° 3'55	28° 8	22°28	20°30	3°25	27° 9	23°18	12°19	0° 3	21°43	26°31	26°27	17° 3	8°41	M24
T 25	0 15 54	2° 2'54	10 <b>ਰ</b> 14	24°17	21°44	3°55	27° 9	23°24	12°22	0° 5	21°42	26°31	26°24	17°10	8°38	T 25
W26	0 19 51	3° 1'55	22° 9	26° 6	22°58	4°25	27° 9	23°31	12°26	0° 7	21°42	26°29	26°21	17°16	8°35	W26
T 27	0 23 47	4° 0'58	3≈59	27°54	24°12	4°54	27°10	23°38	12°29	0° 9	21°41	26°26	26°18	17°23	8°32	T 27
F 28	0 27 44	5° 0'03	15°48	29°43	25°27	5°23	27°11	23°45	12°33	0°11	21°40	26°20	26°15	17°30	8°29	F 28
S 29	0 31 41	5°59'09	27°41	1 <b>≏</b> 30	26°41	5°52	27°12	23°52	12°36	0°13	21°39	26°12	26°11	17°36	8°27	S 29
S 30	0 35 37	6 <b>≙</b> 58'17	9 <b>)</b> (41	3 <b>≏</b> 17	27 <b>≙</b> 55	69521	27 <b>궁</b> 13	23 <b>Ω</b> 59	12 <b>m</b> /40	0 <b>M</b> .15	21 <b>8</b> 39	26耳 1	26耳 8	17 <b>≈</b> 43	8 <b>Ƴ</b> 24	S 30

Day	0	J		ğ	i	ç	2	ď	1	24	Ļ	ħ	1	)į	j(	4	7	Е	<u>-</u>	n	v	Ç	Š	
	decl	decl	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n22	18 s47	3 s52	11n58	1 s37	4n22	1n18	22n52	0s18	21 s22	0 s45	5 s 5 9	2n20	8n11	0n44	9 s 3 7	1n45	4n31	14s13	23n29	23n28	20s 7	5n58	2n19
S 2	8 0	15 16	4 27	12 15	1 18	3 52	1 17	22 56	0 17	21 22	0 45	6 1	2 19	8 9	0 44	9 38	1 45	4 31	14 13	23 29	23 28	20 5	5 58	2 19
M 3	7 38	11 8	4 50	12 29	0 59	3 21	1 16	22 59	0 16	21 23	0 45	6 4	2 19	8 8	0 44	9 39	1 45	4 31	14 13	23 29	23 28	20 4	5 57	2 19
T 4	7 16	6 31	5 0	12 39	0 41	2 51	1 15	23 2	0 14	21 24	0 45	6 6	2 19	8 6	0 44	9 39	1 45	4 30	14 14	23 29	23 28	20 2	5 56	2 19
W 5	6 53	1 36	4 57	12 46	0 24	2 20	1 14	23 5	0 13	21 25	0 45	6 9	2 19	8 5	0 44	9 40	1 45	4 30	14 14	23 29	23 28	20 1	5 55	2 19
T 6	6 31	3n27	4 40	12 49	0 7	1 49	1 12	23 8	0 12	21 25	0 45	6 11	2 19	8 3	0 44	9 40	1 45	4 30	14 14	23 28	23 28	19 59	5 54	2 19
F 7	6 8	8 26	4 9	12 48	0n 8	1 18	1 11	23 11	0 11	21 26	0 45	6 14	2 19	8 2	0 44	9 41	1 45	4 29	14 14	23 28	23 28	19 58	5 53	2 19
S 8	5 46	13 9	3 25	12 43	0 23	0 47	1 10	23 14	0 10	21 27	0 45	6 16	2 19	8 1	0 44	9 42	1 45	4 29	14 15	23 28	23 28	19 57	5 52	2 19
S 9	5 23	17 21	2 30	12 35	0 36	0 17	1 8	23 16	0 8	21 27	0 45	6 18	2 18	7 59	0 44	9 42	1 45	4 29	14 15	23 28	23 28	19 55	5 51	2 19
M10	5 0	20 47	1 25	12 23	0 49	0s14	1 7	23 18	0 7	21 28	0 45	6 21	2 18	7 58	0 44	9 43	1 45	4 28	14 15	23 28	23 27	19 54	5 50	2 19
T 11	4 37	23 9	0 15	12 7	1 0	0 45	1 5	23 21	0 6	21 28	0 45	6 23	2 18	7 56	0 44	9 44	1 45	4 28	14 15	23 28	23 27	19 52	5 49	2 19
W12	4 14	24 10	0n59	11 47	1 10	1 16	1 3	23 23	0 5	21 29	0 45	6 26	2 18	7 55	0 44	9 44	1 45	4 28	14 15	23 28	23 27	19 51	5 48	2 19
T 13	3 51	23 37	2 10	11 25	1 19	1 47	1 2	23 25	0 3	21 29	0 45	6 29	2 18	7 53	0 44	9 45	1 45	4 27	14 16	23 28	23 27	19 49	5 47	2 19
F 14	3 28	21 28	3 15	10 59	1 27	2 18	1 0	23 26	0 2	21 29	0 45	6 31	2 18	7 52	0 44	9 46	1 45	4 27	14 16	23 28	23 27	19 48	5 46	2 19
S 15	3 5	17 50	4 7	10 30	1 34	2 49	0 58	23 28	0 1	21 30	0 45	6 34	2 18	7 51	0 44	9 46	1 45	4 27	14 16	23 28	23 27	19 46	5 44	2 19
S 16	2 42	13 1	4 43	9 59	1 39	3 20	0 56	23 30	0n 0	21 30	0 45	6 36	2 18	7 49	0 44	9 47	1 45	4 26	14 16	23 28	23 27	19 45	5 43	2 19
M17	2 19	7 25	4 59	9 25	1 44	3 51	0 55	23 31	0 2	21 30	0 45	6 39	2 17	7 48	0 44	9 48	1 45	4 26	14 17	23 28	23 27	19 43	5 42	2 19
T 18	1 55	1 27	4 55	8 49	1 47	4 22	0 53	23 32	0 3	21 30	0 45	6 41	2 17	7 46	0 44	9 48	1 45	4 26	14 17	23 27	23 27	19 42	5 41	2 19
W19	1 32	4s28	4 32	8 11	1 50	4 52	0 51	23 34	0 5	21 30	0 45	6 44	2 17	7 45	0 44	9 49	1 45	4 25	14 17	23 27	23 27	19 40	5 40	2 19
T 20	1 8	9 59	3 52	7 32	1 51	5 23	0 49	23 35	0 6	21 31	0 45	6 46	2 17	7 44	0 44	9 50	1 45	4 25	14 17	23 27	23 27	19 39	5 39	2 19
F 21	0 45	14 51	3 1	6 51	1 52	5 54	0 46	23 36	0 7	21 31	0 45	6 49	2 17	7 42	0 44	9 51	1 45	4 25	14 18	23 27	23 27	19 37	5 38	2 19
S 22	0 22	18 50	2 1	6 8	1 52	6 24	0 44	23 37	0 9	21 31	0 45	6 52	2 17	7 41	0 44	9 51	1 45	4 24	14 18	23 27	23 27	19 36	5 37	2 19
S 23	0 s 2	21 47	0 57	5 25	1 51	6 54	0 42	23 37	0 10	21 31	0 45	6 54	2 17	7 39	0 44	9 52	1 45	4 24	14 18	23 27	23 26	19 34	5 35	2 19
M24	0 25	23 37	0s 9	4 41	1 50	7 24	0 40	23 38	0 12	21 31	0 45	6 57	2 17	7 38	0 44	9 53	1 44	4 24	14 18	23 27	23 26	19 33	5 34	2 19
T 25	0 49	24 17	1 12	3 56	1 48	7 54	0 38	23 39	0 13	21 31	0 45	7 0	2 17	7 37	0 44	9 53	1 44	4 23	14 18		23 26		5 33	2 19
W26	1 12	23 49	2 11	3 10	1 45	8 24	0 35	23 39	0 14	21 30	0 45	7 2	2 17	7 35	0 44	9 54	1 44	4 23	14 19	23 26	23 26	19 30	5 32	2 19
T 27	1 36	22 17	3 4	2 24	1 42	8 54		23 40	0 16	21 30	0 45	7 5	2 17	7 34	0 44	9 55	1 44				23 26		5 31	2 19
F 28	1 59	19 47	3 49	1 38	1 39	9 23	0 31	23 40	0 17	21 30	0 45	7 7	2 17	7 33	0 44	9 56	1 44	4 22	14 19	23 26	23 26	19 27	5 30	2 19
S 29	2 23	16 26	4 25	0 51	1 35	9 52	0 28	23 40	0 19	21 30	0 45	7 10	2 16	7 31	0 44	9 56	1 44	4 22	14 19	23 26	23 26	19 25	5 28	2 18
S 30	2 s46	12 s24	4 s48	0n 5	1n31	10s21	0n26	23n41	0n21	21 s30	0 s45	7s13	2n16	7n30	0n44	9s57	1n44	4n21	14s19	23n26	23n26	19 s23	5n27	2n18

Julian Day Number = 2316283.5, Delta T = 58.23 sec Ecliptic obliquity =  $23^{\circ}29'16$ , Nutation =  $-0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'17$ , Lahiri =  $18^{\circ}41'18$ Greg. Calendar

OCTOBER 1629 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	24	ħ	)∤(	¥	В	R	ດ	Ç	ķ	Day
M 1	0 39 34	7 <b>≙</b> 57'27	21 <b>)</b> (49	5 <u>₽</u> 4	29 <b>Ω</b> 9	6949	27 <b>중</b> 15	24 <u>Ω</u> 6	12 <b>m</b> )44	0 <b>M</b> <sub>1</sub> 7	21°R38	25°R48	26 <b>I</b> I 5	17≈50	8°R21	M 1
T 2	0 43 30	8°56'40	4Υ 8	6°49	0ML23	7°17	27°16	24°14	12°47	0°19	21837	25 <b>I</b> I34	26° 2	17°56	8 <b>Υ</b> 18	T 2
W 3	0 47 27	9°55'54	16°38	8°35	1°38	7°45	27°18	24°21	12°50	0°21	21°36	25°21	25°59	18° 3	8°15	W 3
T 4	0 51 23	10°55'10	29°18	10°19	2°52	8°12	27°20	24°28	12°54	0°23	21°36	25°10	25°56	18°10	8°13	T 4
F 5	0 55 20	11°54'29	128 9	12° 3	4° 6	8°39	27°23	24°35	12°57	0°26	21°35	25° 1	25°52	18°17	8°10	F 5
S 6	0 59 16	12°53'49	25°11	13°46	5°20	9° 6	27°25	24°42	13° 1	0°28	21°34	24°55	25°49	18°23	8° 7	S 6
S 7	1 3 13	13°53'12	8П25	15°28	6°34	9°33	27°28	24°49	13° 4	0°30	21°33	24°51	25°46	18°30	8° 4	S 7
M 8	1 7 9	14°52'38	21°50	17° 9	7°48	9°59	27°30	24°56	13° 8	0°32	21°32	24°D50	25°43	18°37	8° 1	M 8
T 9	111 6	15°52'06	59528	18°50	9° 3	10°24	27°33	25° 4	13°11	0°34	21°31	24°51	25°40	18°43	7°59	T 9
W10	1 15 3	16°51'36	19°20	20°30	10°17	10°50	27°37	25°11	13°14	0°36	21°30	24°R51	25°37	18°50	7°56	W10
T 11	1 18 59	17°51'08	3 <b>Ω</b> 27	22°10	11°31	11°15	27°40	25°18	13°17	0°39	21°30	24°50	25°33	18°57	7°53	T 11
F 12	1 22 56	18°50'43	17°47	23°49	12°45	11°40	27°44	25°25	13°21	0°41	21°29	24°47	25°30	19° 3	7°50	F 12
S 13	1 26 52	19°50'20	2 Mp 19	25°27	13°59	12° 4	27°47	25°32	13°24	0°43	21°28	24°41	25°27	19°10	7°47	S 13
S 14	1 30 49	20°49'59	16°57	27° 4	15°13	12°28	27°51	25°40	13°27	0°45	21°27	24°33	25°24	19°17	7°45	S 14
M15	1 34 45	21°49'41	1 <b>≏</b> 34	28°41	16°28	12°51	27°55	25°47	13°30	0°47	21°26	24°24	25°21	19°24	7°42	M15
T 16	1 38 42	22°49'24	16° 5	0 <b>M</b> .18	17°42	13°14	28° 0	25°54	13°33	0°50	21°25	24°13	25°17	19°30	7°39	T 16
W17	1 42 38	23°49'10	0 <b>M</b> 21	1°53	18°56	13°37	28° 4	26° 1	13°37	0°52	21°24	24° 4	25°14	19°37	7°37	W17
T 18	1 46 35	24°48'57	14°17	3°28	20°10	13°59	28° 9	26° 9	13°40	0°54	21°23	23°56	25°11	19°44	7°34	T 18
F 19	1 50 32	25°48'47	27°50	5° 3	21°24	14°21	28°14	26°16	13°43	0°56	21°22	23°51	25° 8	19°50	7°31	F 19
S 20	1 54 28	26°48'38	10 <b>∡</b> 58	6°37	22°38	14°43	28°19	26°23	13°46	0°59	21°21	23°48	25° 5	19°57	7°29	S 20
S 21	1 58 25	27°48'32	23°42	8°10	23°52	15° 4	28°24	26°30	13°49	1° 1	21°20	23°D47	25° 2	20° 4	7°26	S 21
M22	2 2 2 1	28°48'27	6 වි	9°43	25° 6	15°24	28°29	26°38	13°52	1° 3	21°19	23°47	24°58	20°10	7°23	M22
T 23	2 6 18	29°48'23	18°14	11°16	26°20	15°44	28°35	26°45	13°55	1° 5	21°18	23°48	24°55	20°17	7°21	T 23
W24	2 10 14	0ML48'22	0≈11	12°48	27°34	16° 4	28°41	26°52	13°57	1° 8	21°17	23°R49	24°52	20°24	7°18	W24
T 25	2 14 11	1°48'22	12° 3	14°19	28°48	16°23	28°47	26°59	14° 0	1°10	21°16	23°48	24°49	20°31	7°16	T 25
F 26	2 18 7	2°48'23	23°54	15°50	0 <b>×</b> <sup>7</sup> 3	16°41	28°53	27° 7	14° 3	1°12	21°15	23°46	24°46	20°37	7°13	F 26
S 27	2 22 4	3°48'26	5 <b>)</b> (49	17°21	1°17	16°59	28°59	27°14	14° 6	1°14	21°14	23°41	24°42	20°44	7°11	S 27
S 28	2 26 1	4°48'31	17°52	18°51	2°31	17°17	29° 5	27°21	14° 9	1°17	21°13	23°34	24°39	20°51	7° 9	S 28
M29	2 29 57	5°48'37	oΥ 7	20°21	3°45	17°34	29°12	27°28	14°11	1°19	21°11	23°26	24°36	20°57	7° 6	M29
T 30	2 33 54	6°48'45	12°36	21°50	4°59	17°51	29°18	27°36	14°14	1°21	21°10	23°17	24°33	21° 4	7° 4	T 30
W31	2 37 50	7 <b>M</b> .48'55	25 <b>Y</b> 20	23 <b>M</b> 18	6 <b>₹</b> 12	1895 7	29 <b>궁</b> 25	27 <b>≏</b> 43	14 <b>M</b> 17	1 <b>M</b> 23	218 9	23耳 9	24 <b>II</b> 30	21≈11	7 <b>Υ</b> 1	W31

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M 1 T 2 W 3	3 s10 3 33 3 57	7 s 50 5 s 0 2 5 4 4 5 7 2 n 1 4 4 4 0	0 s42 1 n20 1 28 1 2 2 15 1 10	1 11 18 0 21 23	11 0 24	2 21 s29 0 s4 21 29 0 4 21 29 0 4	45 7 18	2n16 2 16 2 16	7n29 7 27 7 26	0n44 0 44 0 44	9 s 5 8 1 n 4 9 5 9 1 4 9 5 9 1 4	4 4 21		23n25 23 25 23 24	23 26	19 20	5n26 5 25 5 24	2n18 2 18 2 18
T 4 F 5 S 6	4 20 4 43 5 6	7 21 4 10 12 15 3 26 16 40 2 30	3 1 1 10 3 47 1 3	0 12 15 0 16 23 5 12 42 0 13 23	41 0 27 41 0 28	21 28 0 4 21 28 0 4	45 7 23 45 7 26	2 16 2 16 2 16 2 16	7 25 7 23 7 22	0 44 0 44	10 0 1 4 10 1 1 4 10 2 1 4	4 4 20	14 20	23 24 23 24	23 25 23 25	19 17 19 16	5 23 5 21 5 20	2 18 2 18 2 18 2 18
S 7 M 8 T 9 W10 T11 F 12 S 13	5 52 6 15 6 38 7 1 7 24	22 30 3 10 19 23 4 3	6 2 0 40 6 47 0 40 7 30 0 34	0 14 30 0 3 23 4 14 56 0 0 23 7 15 22 0s 3 23 0 15 47 0 5 23	40 0 34 40 0 35 40 0 37 39 0 39 39 0 40	21 27 0 4 21 26 0 4 21 25 0 4 21 25 0 4 21 24 0 4 21 23 0 4 21 22 0 4	45 7 34 45 7 37 45 7 39 45 7 42 45 7 45	2 16 2 16 2 16 2 16 2 16 2 16 2 16 2 16	7 21 7 19 7 18 7 17 7 16 7 14 7 13	0 44 0 44 0 44 0 44	10 3 1 4 10 3 1 4 10 5 1 4 10 6 1 4 10 6 1 4 10 7 1 1 4 10 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4 18 4 4 18 4 4 18 4 4 17 4 4 17	14 20 14 21 14 21 14 21 14 21 14 21 14 21	23 23 23 23 23 23 23 23 23 23	23 25 23 25 23 25 23 25 23 25 23 25	19 11 19 9 19 8 19 6 19 4	5 19 5 18 5 17 5 15 5 14 5 13 5 12	2 18 2 18 2 18 2 18 2 17 2 17 2 17
S 14 M15 T 16 W17 T 18 F 19 S 20	8 9 8 31 8 54 9 16 9 38 10 0 10 21		11 2 0 0	0 18 10 0 22 23 7 18 33 0 25 23	38 0 46 37 0 48 37 0 50 36 0 52 36 0 53	21 22 0 4 21 21 0 0 21 20 0 0 21 19 0 0 21 18 0 0 21 17 0 0 21 16 0 0	14 7 52 14 7 55 14 7 58 14 8 0 14 8 3	2 16 2 16 2 16 2 16 2 16 2 16 2 16 2 16	7 12 7 11 7 10 7 9 7 7 7 6 7 5	0 44 0 44 0 44 0 45 0 45	10 8 1 4 10 9 1 4 10 10 1 4 10 10 1 4 10 11 1 4 10 12 1 4 10 13 1 4	4 4 16 4 4 16 4 4 15 4 4 15 4 4 15	14 21 14 22 14 22 14 22 14 22 14 22 14 22 14 22	23 22 23 22 23 21 23 21 23 21	23 24 23 24 23 24 23 24 23 24	18 59 18 58 18 56 18 54 18 53	5 11 5 9 5 8 5 7 5 6 5 5 5 4	2 17 2 17 2 17 2 17 2 17 2 17 2 17 2 16
S 21 M22 T 23 W24 T 25 F 26 S 27	11 4 11 26 11 47 12 8 12 28	24 26 1s 6 24 21 2 8 23 8 3 3 20 53 3 50 17 46 4 27	16 5 0 54 16 40 1 0 17 14 1 1 17 46 1 13	7 19 37 0 33 23	35 0 59 34 1 1 34 1 3 34 1 6 34 1 8	21 11 0 4 21 10 0 4 21 9 0 4	14 8 11 1 14 8 13 1 14 8 16 1 14 8 19 1 14 8 21 1	2 16 2 16 2 16 2 16 2 16 2 16 2 16 2 16	7 4 7 3 7 2 7 1 7 0 6 59 6 57	0 45 0 45 0 45 0 45 0 45	10 13 1 4 10 14 1 4 10 15 1 4 10 17 1 4 10 17 1 4 10 18 1 4	4 4 14 4 4 13 4 4 13 4 4 13 4 4 12	14 22 14 22 14 22 14 23 14 23 14 23 14 23	23 20 23 21 23 21 23 21 23 20	23 24 23 23 23 23 23 23 23 23	18 48 18 46 18 44 18 43 18 41	5 2 5 1 5 0 4 59 4 58 4 57 4 56	2 16 2 16 2 16 2 16 2 16 2 16 2 16 2 15
S 28 M29 T 30 W31	13 9 13 29 13 49 14s 9	4 37 5 5	19 20 1 33 19 49 1 33	5 21 30 0 49 23 1 21 47 0 52 23 7 22 4 0 54 23 2 22 s19 0 s57 23 m	33 1 14 33 1 16	21 5 0	14 8 29 14 8 31	2 16 2 16 2 16 2 16 2n16	6 56 6 55 6 54 6n53	0 45 0 45	10 19 1 4 10 20 1 4 10 20 1 4 10 s21 1n4	4 4 11 4 4 11	14 23 14 23 14 23 14 823	23 19 23 19	23 23 23 23	18 36 18 34	4 55 4 54 4 53 4n51	2 15 2 15 2 15 2 15 2n15

Julian Day Number = 2316313.5, Delta T = 58.16 sec Ecliptic obliquity =  $23^{\circ}29'16$ , Nutation =  $-0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'21$ , Lahiri =  $18^{\circ}41'22$ Greg. Calendar

NOVEMBER 1629 GC 00:00 UT

T 1 24147 8IL4907 8S19 24IL46 78°26 18°22 29°33 27°450 14°10 18°10 18°10 21°8 8 23°8 1 24°10 7 21°817 6°789 T F 2 245 43 9°49′20 21°32 26°14 8°40 18°37 29°39 27°57 14°22 1°28 21°8 7 22″156 24°23 21°24 6°757 F 8 3 249 40 10°49′36 4″157 27°41 9°54 18°51 29°47 28° 4 14°24 1°30 21° 6 22°52 24°20 21°31 6°55 S S 4 25°33 12°50′12 2©20 08°33 12°22 19°18 0∞ 2 28°18 14°29 1°34 21° 4 22°51 24°14 21°44 6°50 M T 6 3 130 13°50′33 16°14 1°58 13°36 19°30 0°10 28°26 14°31 19°37 21° 3 22°52 24°11 21°51 6′48 T T 8 3 9 23 15°51′21 14°20 4°46 16° 4 19°53 0°26 28°40 14°36 1°41 21° 0 22°854 24° 4 22° 4 6°44 T F 9 3 1319 16°51′48 28°31 6° 9 17°18 20° 4 0°34 28°47 14°38 1°43 20°59 22°54 24° 1 22°11 6°42 T F 9 3 1319 16°51′48 28°31 6° 9 17°18 20° 4 0°34 28°47 14°38 1°43 20°59 22°54 24° 1 22°11 6°42 T F 9 3 1319 18°51′40 14° 20° 20° 20° 20° 20° 20° 20° 20° 20° 20																	
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S 3         2 49 40         10°49'36         4 ∏57         27°41         9°54         18°51         29°47         28° 4         14°24         1°30         21° 6         22°52         24°20         21°31         6°55         S           S 4         2 53 36         11°49'53         18°34         29° 7         11° 8         19° 5         29°54         28°11         14°27         1°32         21° 5         22°510         24°17         21°37         6°52         S           M 5         2 5733         12°50'12         29°33         12°22         19°18         0∞2         28°18         14°27         1°32         21° 5         22°51         24°14         21°41         0°650         M           W 7         3 5 26         14°50'56         0£14         1°83         19°30         0°10         28°26         14°31         1°37         21° 2         22°53         24° 8         21°51         6°44         M           T 8         3 9 23         15°51'21         14°20         4°46         16° 4         19°53         0°26         28°40         14°34         1°31         21° 0         22°54         24° 4         12° 4         22° 4         6°44         T         8         13° 16	T 1	2 41 47	8ML49'07	8 <b>8</b> 19	24M46	7 <b>.</b> ₹26	189522	29 <b>궁</b> 32	27 <b>♀</b> 50	14 <b>m</b> 19	1 <b>M</b> 26	21°R 8	23°R 1	24Ⅲ27	21≈17		T 1
S         4         253 36         11°49′53         18°34         29° 7         11° 8         19° 5         29°54         28°11         14°27         1°32         21° 5         22°D50         24°17         21°37         6°52         S           M 5         2 57 33         12°20′12         29°20         0x³33         12°22         19°18         0∞2         28°18         14°29         1°34         21° 4         22°51         24°14         21°44         6°50         M           T 6         3 130         13°5053         16°14         1°58         13°36         19°30         0°10         28°26         14°31         1°37         21° 3         22°52         24°11         21°51         6°48         T           T 8         3 9 23         15°51'21         14°20         4°46         16° 4         19°53         0°26         28°40         14°36         1°41         21° 0         22°84         24° 4         22° 4         6°44         F         F         9         313 19         16°51'48         28°31         18°81         20°4         0°34         28°47         14°38         1°45         20°55         22°84         24°4         22°4         42°4         22°4         4°42         F <td>F 2</td> <td>2 45 43</td> <td>9°49'20</td> <td></td> <td>26°14</td> <td>8°40</td> <td>18°37</td> <td>29°39</td> <td>27°57</td> <td>14°22</td> <td>1°28</td> <td></td> <td>22<b>II</b>56</td> <td>24°23</td> <td>21°24</td> <td>6<b>Ƴ</b>57</td> <td>F 2</td>	F 2	2 45 43	9°49'20		26°14	8°40	18°37	29°39	27°57	14°22	1°28		22 <b>II</b> 56	24°23	21°24	6 <b>Ƴ</b> 57	F 2
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 3	2 49 40	10°49'36	4 <b>Ⅱ</b> 57	27°41	9°54	18°51	29°47	28° 4	14°24	1°30	21° 6	22°52	24°20	21°31	6°55	S 3
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W 7         3 5 26         14°50′56         0Q14         3°23         14°50         19°42         0°18         28°33         14°34         1°39         21° 2         22°53         24° 8         21°58         6°46         W           T 8         3 9 23         15°51′21         14°20         4°46         16° 4         19°53         0°26         28°40         14°36         1°41         21° 0         22°854         24° 4         22° 4         6°44         T           F 9         3 13 19         16°51′48         28°31         6° 9         17°18         20° 4         0°34         28°47         14°38         1°43         20°59         22°54         24° 1         22°11         6°42         F           S 11         3 17 16         17°52′17         12m4         7°31         18°31         20°14         0°42         28°84         14°40         1°45         20°58         22°23         0°51         29° 1         14°43         1°48         20°57         22°48         23°55         22°24         6°38         S           M12         3 25 9         19°53′20         11£6         10°12         20°59         20°32         0°59         29° 8         14°45         1°50         20°56	-			-			-	-		-			-				M 5
T 8				-						_		_	-		-		T 6
F 9   3   3   3   9   16°51'48   28°31   6° 9   17°18   20° 4   0°34   28°47   14°38   1°43   20°59   22°54   24° 1   22°11   6°42   F S 10   3   17   16   17°52'17   12\(\text{m}\)44   7°31   18°31   20°14   0°42   28°54   14°40   1°45   20°58   22°51   23°58   22°18   6°40   S S 11   3   21   12   18°52'48   26°57   8°52   19°45   20°23   0°51   29° 1   14°43   1°48   20°57   22°48   23°55   22°24   6°38   S M12   3   32   5   9   19°53'20   11\(\text{m}\)6   6   10°12   20°59   20°32   0°59   29° 8   14°45   1°50   20°56   22°43   23°55   22°31   6°36   M W14   3   33   2   21°54'31   8\(\text{mL}\)58   11°30   22°13   20°39   1° 8   29°15   14°47   1°52   20°55   22°38   23°48   22°38   6°34   T W14   3   33   2   21°54'31   8\(\text{mL}\)58   12°47   23°27   20°46   1°17   29°22   14°49   1°54   20°54   22°33   23°45   22°45   6°33   W W14   3   36   59   22°55'08   22°33   14° 2   24°40   20°53   1°26   29°28   14°51   1°56   20°53   22°29   23°42   22°51   6°31   T F 16   3   40   55   23°55'47   5\(\text{s}\)57   15°15   25°54   20°58   13°35   29°35   14°53   1°58   20°55   22°26   23°39   22°58   6°29   F S 17   3   44   52   24°56'28   18°49   16°26   27° 8   21° 3   1°45   29°42   14°54   2° 0   20°50   22°025   23°33   23°11   6°26   S M19   3   52   52   52   52   52   52   52							-	0°18						-			W 7
S   10   3   17   16   17°52'17   12\( \pm\) 44   7°31   18°31   20°14   0°42   28°54   14°40   1°45   20°58   22°51   23°58   22°18   6°40   S   S   11   3   21   2   18°52'48   26°57   8°52   19°45   20°23   0°51   29° 1   14°43   1°48   20°57   22°48   23°55   22°24   6°38   S   MI2   3   25   9   19°53'20   11\( \pm\) 6   10° 12   20°59   20°32   0°59   29° 8   14°45   1°50   20°56   22°43   23°52   22°31   6°36   M   17   3   3   2   2   20°53   55   25° 8   11°30   22°13   20°39   1° 8   29°15   14°47   1°52   20°55   22°38   23°48   22°38   6°34   T   15   3   3   5   21°54'31   8\(\pm\) 8   18°58   12°47   23°27   20°46   1°17   29°22   14°49   1°54   20°54   22°33   23°45   22°45   6°31   M   15   15   3   3659   22°55'08   22°33   14° 2   24°40   20°53   1°26   29°28   14°51   1°56   20°53   22°29   23°42   22°51   6°31   M   15   15   15   25°54   20°58   1°35   29°35   14°53   1°58   20°51   22°26   23°39   22°58   6°29   F   S   7   3   44   52   24°56'28   18°49   16°26   27° 8   21° 3   1°45   29°49   14°54   2° 0   20°50   22°025   23°33   23°11   6°26   S   8   18   34   84   25°57'10   1729   17°34   28°22   21° 7   1"54   29°49   14°56   2° 3   20°49   22°25   23°33   23°11   6°26   S   M   19   3   52   4   4   4   0 %   3   28°22   21° 7   1"54   29°49   14°56   2° 3   20°49   22°25   23°33   23°11   6°26   S   M   19   3   52   4   4   4   0 %   0 %   19°42   0 %   4   21° 13   2° 13   0 M   2   15° 0   2° 7   20°47   22°28   23°26   23°29   23°18   6°24   M   17   10° 10° 10° 10° 10° 10° 10° 10° 10° 10°	-											-					T 8
S   1   3   21   12   18°52'48   26°57   8°52   19°45   20°23   0°51   29° 1   14°43   1°48   20°57   22°48   23°55   22°24   6°38   S   M12   3   25   9   19°53'20   11	-												-				F 9
M12   3 25 9   19°53'20   11 \( \overline{\Omega} 6 \)   10°12   20°59   20°32   0°59   29° 8   14°45   1°50   20°56   22°43   23°52   22°31   6°36   M	S 10	3 17 16	17°52'17	12 <b>m</b> )44	7°31	18°31	20°14	0°42	28°54	14°40	1°45	20°58	22°51	23°58	22°18	6°40	S 10
T13  3 29 5  20°53'55  25° 8  11°30  22°13  20°39  1° 8  29°15  14°47  1°52  20°55  22°38  23°48  22°38  6°34  T	S 11	3 21 12	18°52'48	26°57	8°52	19°45	20°23	0°51	29° 1	14°43	1°48	20°57	22°48	23°55	22°24	6°38	S 11
W14   3 33 2   21°54′31   8間.58   12°47   23°27   20°46   1°17   29°22   14°49   1°54   20°54   22°33   23°45   22°45   6°33   W T 15   3 36 59   22°55′08   22°33   14° 2   24°40   20°53   1°26   29°28   14°51   1°56   20°53   22°29   23°42   22°51   6°31   T F 16   3 40 55   23°55′47   5 ₹/51   15°15   25°54   20°58   1°35   29°35   14°53   1°58   20°51   22°26   23°39   22°58   6°29   F S 17   3 44 52   24°56′28   18°49   16°26   27° 8   21° 3   1°45   29°42   14°54   2° 0   20°50   22°D25   23°36   23° 5   6°28   S S 18   3 48 48   25°57′10   1♂29   17°34   28°22   21° 7   1°54   29°49   14°56   2° 3   20°49   22°25   23°33   23°11   6°26   S M19   3 52 45   26°57′53   13°52   18°40   29°35   21°11   2° 4   29°56   14°58   2° 5   20°48   22°26   23°29   23°18   6°24   M T 20   3 56 41   27°58′37   26° 0   19°42   0♂49   21°13   2°13   0ff. 2 15° 0   2° 7   20°47   22°28   23°26   23°25   6°23   T W21   4 0 38   28°59′23   7≈59   20°41   2° 3   21°15   2°23   0° 9   15° 1   2° 9   20°46   22°30   23°32   23°31   6°21   W T 22   4 4 34   0 √ 0′99   19°51   21°35   3°16   21°16   2°33   0°16   15° 3   2°11   20°45   22°31   23°20   23°38   6°20   T F 23   4 8 31   1° 0′57   1 (43   22°25   4°30   21°R16   2°43   0°22   15° 5   2°13   20°44   22°832   23°17   23°45   6°15   M M26   4 20 21   4° 3′24   77°58   24°18   8°10   21°11   3°14   0°42   15° 9   2°19   20°40   22°27   23° 7   24° 5   6°15   M M26   4 20 21   4° 3′24   77°58   24°18   8°10   21°11   3°14   0°42   15° 9   2°19   20°40   22°27   23° 1   24°18   6°15   W M28   4 28 14   6° 5′08   38′23   24°56   10°37   21° 4   3°35   0°55   15°11   2°23   20°38   22°22   23° 1   24°18   6°13   W T 29   4 32 10   7° 6′01   16°35   25°R 1   11°51   20°59   3°46   1° 1   15°13   2°25   20°37   22°20   22°58   24°25   6°12   T 20°41   22°30   22°58   24°25	M12	3 25 9	19°53'20	11 <b>º</b> 6	10°12	20°59	20°32	0°59	29° 8	14°45	1°50	20°56	22°43	23°52	22°31	6°36	M12
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S 18 M19 T 20 W21 T 22 F 23 S 24	19 31 19 45 19 58 20 12 20 24	24 40 1 55 23 51 2 54 21 56 3 45 19 5 4 26 15 28 4 55	25 25 25 29 25 32 25 32 25 32 25 32 25 25 29 25 25	2 31 25 6 2 29 25 9 2 27 25 11 2 23 25 11 2 19 25 12 2 13 25 11 2 7 25 10	1 38 23 51 1 40 23 53 1 41 23 56 1 43 23 58 1 45 24 1 1 46 24 3 1 48 24 6	2 6 2 9 2 11 2 14 2 17	20 29 20 27 20 24 20 22 20 20 20 18 20 15	0 43 0 43 0 43 0 43 0 43 0 43	9 18 9 20 9 22 9 24 9 27 9 29 9 31	2 17 2 17 2 17 2 17 2 17 2 17 2 18	6 39 6 38 6 37 6 37 6 36 6 36 6 35	0 46 0 46 0 46 0 46 0 46	10 35 10 36 10 36 10 37 10 38	1 44 1 44 1 45 1 45 1 45 1 45 1 45	4 6 14 1 4 6 14 1 4 5 14 1 4 5 14 1 4 5 14 1	23 23 10 23 23 10 23 23 10 23 23 10 23 23 11 22 23 11 22 23 11	5 23 20 5 23 19 6 23 19 7 23 19 7 23 19	17 59 17 57 17 55 17 53 17 51	4 35 4 34 4 33 4 32 4 32 4 31 4 30	2 12 2 12 2 12 2 12 2 12 2 11 2 11 2 11
S 25 M26 T 27 W28 T 29 F 30	20 49 21 0 21 11 21 22 21 32 21 s42	1 29 5 4 3n44 4 38 8 56 3 58 13 52 3 5	25 19 25 12 3 25 2 3 24 51 5 24 38 24 s23	1 59 25 7 1 50 25 5 1 39 25 1 1 28 24 57 1 15 24 51 1 s 0 24 \$46	1 49 24 9 1 51 24 12 1 52 24 16 1 53 24 19 1 54 24 23 1 s55 24 n 27	2 25 2 28 2 31 2 34	20 5	0 43 0 43 0 43 0 43 0 43 0 s43	9 33 9 35 9 37 9 39 9 42 9s44	2 18 2 18 2 18 2 18 2 18 2 18 2 18	6 35 6 34 6 34 6 33 6 33 6n32	0 46 0 46 0 46 0 46	10 40 10 41	1 45 1 45 1 45 1 45 1 45 1 n45	4 4 14 1 4 4 14 1 4 4 14 1	22 23 10 22 23 10 22 23 10 22 23 10 22 23 10 22 23 10 22 23 10	5 23 19 5 23 18 6 23 18 6 23 18	17 46 17 44 17 42 17 40	4 30 4 29 4 28 4 28 4 27 4n27	2 11 2 11 2 10 2 10 2 10 2 10 2 n10

 $\label{eq:Julian Day Number = 2316344.5, Delta T = 58.09 sec} \\ Ecliptic obliquity = 23°29'16, Nutation = -0°00'19, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°34'26, Lahiri = 18°41'26Greg. Calendar$ 

DECEMBER 1629 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ţ(	¥	В	n	Ω	Ç	ķ	Day
S 1	4 40 3	9 <b>%</b> 7'50	13 <b>II</b> 56	24°R41	14 <b>ට</b> 17	20°R47	4≈ 8	1 <b>M</b> 14	15 Mp 15	2 <b>M</b> 29	20°R35	22°R17	22 <b>I</b> I51	24≈39	6°R10	S 1
S 2	4 44 0	10° 8'46	28° 0	24 <b>৴</b> 14	15°31	20940	4°19	1°20	15°16	2°30	20834	22°D17	22°48	24°45	6 <b>Υ</b> 9	S 2
M 3	4 47 57	11° 9'43	129515	23°35	16°44	20°31	4°30	1°26	15°17	2°32	20°33	22 <b>I</b> I18	22°45	24°52	6° 8	M 3
T 4	4 51 53	12°10'42	26°36	22°46	17°57	20°22	4°41	1°32	15°18	2°34	20°32	22°19	22°42	24°59	6° 7	T 4
W 5	4 55 50	13°11'41	10 <b>Ω</b> 58	21°46	19°10	20°12	4°52	1°38	15°19	2°36	20°31	22°20	22°39	25° 5	6° 7	W 5
T 6	4 59 46	14°12'42	25°19	20°37	20°23	20° 1	5° 4	1°44	15°20	2°38	20°30	22°20	22°35	25°12	6° 6	T 6
F 7	5 3 43	15°13'43	9 <b>₯</b> 33	19°22	21°36	19°50	5°15	1°50	15°21	2°39	20°29	22°R21	22°32	25°19	6° 5	F 7
S 8	5 7 39	16°14'46	23°40	18° 1	22°50	19°37	5°27	1°56	15°21	2°41	20°28	22°21	22°29	25°25	6° 5	S 8
S 9	5 11 36	17°15'50	7 <b>≙</b> 37	16°38	24° 3	19°24	5°39	2° 2	15°22	2°43	20°27	22°20	22°26	25°32	6° 4	S 9
M10	5 15 32	18°16'54	21°23	15°16	25°15	19°10	5°50	2° 7	15°23	2°45	20°26	22°20	22°23	25°39	6° 4	M10
T 11	5 19 29	19°18'00	4 <b>M</b> .58	13°57	26°28	18°55	6° 2	2°13	15°23	2°46	20°25	22°19	22°20	25°46	6° 3	T 11
W12	5 23 26	20°19'07	18°20	12°44	27°41	18°40	6°14	2°19	15°24	2°48	20°24	22°19	22°16	25°52	6° 3	W12
T 13	5 27 22	21°20'14	1 <b>₹</b> 28	11°39	28°54	18°23	6°26	2°24	15°24	2°50	20°23	22°19	22°13	25°59	6° 3	T 13
F 14	5 31 19	22°21'22	14°24	10°43	0≈ 7	18° 6	6°38	2°30	15°25	2°51	20°22	22°D19	22°10	26° 6	6° 3	F 14
S 15	5 35 15	23°22'31	27° 5	9°58	1°20	17°48	6°51	2°35	15°25	2°53	20°21	22°R19	22° 7	26°12	6° 3	S 15
S 16	5 39 12	24°23'40	9 <b>궁</b> 34	9°23	2°32	17°30	7° 3	2°41	15°25	2°55	20°20	22°19	22° 4	26°19	6° 2	S 16
M17	5 43 8	25°24'50	21°50	8°59	3°45	17°11	7°15	2°46	15°25	2°56	20°19	22°19	22° 0	26°26	6°D 2	M17
T 18	5 47 5	26°26'00	3≈55	8°46	4°58	16°51	7°28	2°51	15°26	2°58	20°18	22°18	21°57	26°33	6° 2	T 18
W19	5 51 2	27°27'10	15°53	8°D43	6°10	16°31	7°40	2°57	15°26	2°59	20°17	22°18	21°54	26°39	6° 3	W19
T 20	5 54 58	28°28'20	27°45	8°50	7°23	16°10	7°53	3° 2	15°26	3° 1	20°16	22°17	21°51	26°46	6° 3	T 20
F 21	5 58 55	29°29'30	9 <b>)</b> 36	9° 5	8°35	15°48	8° 6	3° 7	15°R26	3° 2	20°16	22°16	21°48	26°53	6° 3	F 21
S 22	6 2 51	0 <b>궁</b> 30'40	21°29	9°28	9°47	15°27	8°18	3°12	15°26	3° 3	20°15	22°15	21°45	26°59	6° 3	S 22
S 23	6 6 48	1°31'50	3 <b>Y</b> 31	9°59	11° 0	15° 4	8°31	3°17	15°26	3° 5	20°14	22°D15	21°41	27° 6	6° 4	S 23
M24	6 10 44	2°33'01	15°44	10°35	12°12	14°42	8°44	3°22	15°25	3° 6	20°13	22°16	21°38	27°13	6° 4	M24
T 25	6 14 41	3°34'11	28°14	11°18	13°24	14°19	8°57	3°26	15°25	3° 7	20°12	22°16	21°35	27°20	6° 4	T 25
W26	6 18 37	4°35'20	118 5	12° 5	14°36	13°56	9°10	3°31	15°25	3° 9	20°12	22°18	21°32	27°26	6° 5	W26
T 27	6 22 34	5°36'30	24°19	12°58	15°48	13°32	9°23	3°36	15°25	3°10	20°11	22°19	21°29	27°33	6° 5	T 27
F 28	6 26 31	6°37'40	7 <b>Ⅱ</b> 58	13°54	17° 0	13° 9	9°36	3°40	15°24	3°11	20°10	22°20	21°26	27°40	6° 6	F 28
S 29	6 30 27	7°38'49	22° 2	14°54	18°11	12°45	9°50	3°45	15°24	3°13	20° 9	22°R20	21°22	27°46	6° 7	S 29
S 30	6 34 24	8°39'59	69527	15°57	19°23	12°21	10° 3	3°49	15°23	3°14	20° 9	22°20	21°19	27°53	6° 7	S 30
M31	6 38 20	9 <b>ට</b> 41'08	2195 9	17 <b>∡</b> 3	20≈35	11957	10≈16	3 <b>M</b> 53	15 <b>m</b> 23	3 <b>M</b> .15	20 <b>8</b> 8	22 <b>I</b> I18	21 <b>I</b> I16	28≈ 0	6 <b>℃</b> 8	M31

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S 1	21 s52	21n45 0s	s46 24s	7 0 s4	4 24s39	1 s56 2	4n30	2n40	19s58	0 s43	9 s46	2n18	6n32	0n46	10s43	1n45	4n 4	14 s22	23n16	23n18	17s36	4n26	2n10
S 2	22 1		n32 23 4		7 24 32	1 57 2			19 55	0 43	9 48	2 18	6 32		-	1 45				23 17		4 26	2 10
M 3 T 4			48 23 2	8 0 3 6 0n1				2 45 2 48	19 52 19 50	0 43 0 43	9 50 9 52	2 19 2 19	6 31 6 31	0 46 0 46		1 45 1 45	4 3			23 17 23 17		4 25 4 25	2 9 2 9
W 5	-		58 22 4					2 51	19 47	0 43	9 54	2 19	6 31	0 46		1 45	4 3			23 17		4 24	2 9
T 6	22 33	17 32 4	43 22 1	8 0 5	1 23 55	2 0 2	4 52	2 54	19 44	0 43	9 56	2 19	6 30	0 46	10 46	1 45	4 3	14 21	23 16	23 17	17 27	4 24	2 9
F 7	22 40		9 21 5						19 41	0 43	9 57	2 19	6 30			1 45				23 17		4 23	2 9
S 8	22 47	7 22 5	17 21 2	5 1 3	1 23 33	2 1 2	5 1	3 0	19 39	0 43	9 59	2 19	6 30	0 46	10 47	1 45	4 3	14 21	23 16	23 16	17 23	4 23	2 8
S 9	22 53				23 20	2 1 2		3 2		0 43		2 19	6 30		-	1 45				23 16		4 23	2 8
M10 T 11	22 58 23 3		37 20 3 54 20 1		5 23 7 22 54	2 2 2 2 2		3 5 3 8	19 33 19 30	0 43 0 43	10 3 10 5	2 20 2 20	6 29			1 45 1 45	4 3 4 3			23 16	17 19	4 22 4 22	2 8 2 8
W12	23 8		58 19 5		2 22 39				19 27	0 43		2 20	6 29			1 45	4 2			23 16		4 22	2 8
T 13	23 12		53 19 3		2 22 25				19 24	0 43		2 20	6 29	0 47	10 50	1 45	4 2			23 16		4 21	2 7
F 14			44 19 1						19 21		10 10	2 20	6 29	0 47		1 45				23 15		4 21	2 7
S 15	23 19	23 54 0s	s26 19	5 2 5	5 21 53	2 2 2	5 35	3 19	19 18	0 43	10 12	2 20	6 29	0 47	10 51	1 45	4 2	14 19	23 16	23 15	17 9	4 21	2 7
S 16			34 18 5		3 21 36				19 14		10 14	2 21	6 29		10 51	1 45				23 15		4 21	2 7
M17 T 18	-		37 18 5		9 21 19			3 24	19 11	0 43		2 21	6 29	0 47		1 46				23 15		4 20	2 7
	23 26		31 18 53 15 18 53		9 21 1 7 20 42			3 26 3 28	19 8 19 5	0 43 0 43		2 21 2 21	6 28 6 28			1 46 1 46	4 2 4 2			23 15 23 14		4 20 4 20	2 6
T 20	23 29		48 18 5		3 20 23	1 59 2			19 2	0 43		2 21	6 29	0 47		1 46					17 0	4 20	2 6
F 21	23 29	12 45 5	9 19	4 2 4	9 20 3	1 58 2	6 4	3 33	18 58	0 43	10 22	2 21	6 29	0 47	10 54	1 46				23 14		4 20	2 6
S 22	23 29	8 14 5	17 19 1	3 2 4	3 19 43	1 57 2	6 9	3 35	18 55	0 43	10 23	2 22	6 29	0 47	10 54	1 46	4 2	14 18	23 16	23 14	16 56	4 20	2 6
S 23	23 29	3 21 5	11 19 2		7 19 22	1 57 2			18 52	0 43	10 25	2 22	6 29	0 47	10 54	1 46	4 2			23 14		4 20	2 5
M24	23 28		51 19 3			1 55 2			18 48		10 26	2 22	6 29	0 47		1 46	4 2			23 13		4 20	2 5
T 25 W26	23 26		17 19 4 29 20	9 2 2:		1 54 2 1 53 2			18 45 18 42	0 43 0 43		2 22 2 22	6 29 6 29		10 55 10 56	1 46	4 2 4 2			23 13 23 13	16 50	4 20 4 20	2 5
T 27			29 20 1		7 17 55	1 53 2			18 42	0 43		2 22	6 29		10 56	1 46 1 46					16 46	4 20	2 5 2 5
F 28			19 20 3		9 17 31	1 50 2			18 35	0 43		2 23	6 29		10 56	1 46				23 13		4 20	2 5
S 29	23 16	23 13 0	2 20 4	8 1 50	17 8	1 49 2	6 39	3 48	18 31	0 43	10 33	2 23	6 30	0 47	10 57	1 46	4 2	14 16	23 16	23 12	16 42	4 20	2 4
S 30	-				2 16 44	1 47 2	6 43	3 49	18 27	0 43	10 34	2 23	6 30	0 47	10 57	1 46	4 3	14 16	23 16	23 12	16 40	4 20	2 4
M31	23 s 8	24n20 2n	133 21 s1	9 1n3	3 16s19	1 s45 2	6n46	3n50	18 s24	0 s43	10s35	2n23	6n30	0n47	10s57	1n46	4n 3	14s16	23n16	23n12	16 s 38	4n20	2n 4

Julian Day Number = 2316374.5, Delta T = 58.03 sec Ecliptic obliquity =  $23^{\circ}29'15$ , Nutation =  $-0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'30$ , Lahiri =  $18^{\circ}41'30$ Greg. Calendar