

# Astrodienst Ephemeris Tables for the year 1697

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 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	♂ <sup>™</sup>	24	ħ	)મું(	¥	Р	R	ດ	Ç	ķ	Day
T 1	6 45 21	11 <b>중</b> 27'53	22 <b>Y</b> 20	29 <b>×</b> 728	11≈11	1≈14	24 <u>0</u> 32	27 <b>ਰ</b> 25	24°R43	26 <b>)</b> 12	5°R59	16MJ39	15 <b>M</b> <sub>2</sub> 0	24 m/38	9°R50	T 1
W 2	6 49 18	12°29'02	6812	ිස් 0	12°26	2° 2	24°39	27°32	24 <b>I</b> I41	26°13	5 <b>Ω</b> 58	16°40	15°17	24°44	9Ω47	W 2
T 3	6 53 14	13°30'11	19°55	2°33	13°40	2°49	24°46	27°39	24°38	26°14	5°56	16°R41	15°13	24°51	9°43	T 3
F 4	6 57 11	14°31'20	3Ⅱ29	4° 6	14°54	3°36	24°52	27°46	24°36	26°15	5°55	16°39	15°10	24°58	9°39	F 4
S 5	7 1 7	15°32'29	16°53	5°39	16° 8	4°24	24°58	27°53	24°33	26°16	5°54	16°35	15° 7	25° 4	9°35	S 5
S 6	7 5 4	16°33'36	09 6	7°13	17°22	5°11	25° 4	28° 0	24°31	26°17	5°53	16°29	15° 4	25°11	9°31	S 6
M 7	7 9 0	17°34'44	13° 8	8°47	18°36	5°58	25°10	28° 7	24°29	26°18	5°51	16°20	15° 1	25°18	9°27	M 7
T 8	7 12 57	18°35'51	25°57	10°21	19°50	6°45	25°16	28°14	24°26	26°19	5°50	16° 8	14°57	25°24	9°23	T 8
W 9	7 16 54	19°36'58	8 <b>Ω</b> 33	11°56	21° 4	7°33	25°22	28°21	24°24	26°20	5°49	15°56	14°54	25°31	9°19	W 9
T 10	7 20 50	20°38'04	20°55	13°32	22°18	8°20	25°27	28°28	24°22	26°21	5°47	15°44	14°51	25°38	9°15	T 10
F 11	7 24 47	21°39'10	3 m 5	15° 8	23°32	9° 8	25°33	28°35	24°20	26°22	5°46	15°33	14°48	25°45	9°10	F 11
S 12	7 28 43	22°40'16	15° 5	16°45	24°45	9°55	25°38	28°43	24°17	26°23	5°45	15°24	14°45	25°51	9° 6	S 12
S 13	7 32 40	23°41'21	26°57	18°22	25°59	10°42	25°43	28°50	24°15	26°25	5°43	15°18	14°42	25°58	9° 2	S 13
M14	7 36 36	24°42'26	8 <b>≏</b> 46	19°59	27°13	11°30	25°48	28°57	24°13	26°26	5°42	15°15	14°38	26° 5	8°57	M14
T 15	7 40 33	25°43'30	20°37	21°38	28°27	12°17	25°53	29° 4	24°11	26°27	5°41	15°13	14°35	26°11	8°53	T 15
W16	7 44 29	26°44'34	2 <b>M</b> 34	23°16	29°40	13° 5	25°57	29°11	24° 9	26°28	5°39	15°D13	14°32	26°18	8°49	W16
T 17	7 48 26	27°45'38	14°44	24°56	0 <b>) €</b> 54	13°52	26° 2	29°18	24° 7	26°30	5°38	15°R14	14°29	26°25	8°44	T 17
F 18	7 52 22	28°46'41	27°12	26°36	2° 7	14°39	26° 6	29°25	24° 5	26°31	5°37	15°13	14°26	26°31	8°40	F 18
S 19	7 56 19	29°47'44	10 <b>×</b> 2	28°16	3°21	15°27	26°10	29°32	24° 3	26°33	5°35	15°11	14°22	26°38	8°35	S 19
S 20	8 0 16	0≈48'46	23°17	29°58	4°34	16°14	26°14	29°40	24° 1	26°34	5°34	15° 5	14°19	26°45	8°31	S 20
M21	8 4 12	1°49'48	7ठ 0	1≈39	5°48	17° 2	26°17	29°47	23°59	26°36	5°32	14°58	14°16	26°51	8°26	M21
T 22	8 8 9	2°50'49	21° 8	3°22	7° 1	17°49	26°21	29°54	23°57	26°37	5°31	14°47	14°13	26°58	8°22	T 22
W23	8 12 5	3°51'49	5≈38	5° 5	8°14	18°37	26°24	0≈ 1	23°56	26°39	5°30	14°35	14°10	27° 5	8°17	W23
T 24	8 16 2	4°52'47	20°22	6°49	9°28	19°24	26°27	0° 8	23°54	26°40	5°28	14°23	14° 7	27°11	8°12	T 24
F 25	8 19 58	5°53'45	5 <b></b> ₩11	8°33	10°41	20°12	26°30	0°15	23°52	26°42	5°27	14°12	14° 3	27°18	8° 8	F 25
S 26	8 23 55	6°54'42	19°59	10°18	11°54	20°59	26°33	0°22	23°50	26°43	5°25	14° 4	14° 0	27°25	8° 3	S 26
S 27	8 27 52	7°55'37	<b>4</b> Υ36	12° 3	13° 7	21°47	26°36	0°29	23°49	26°45	5°24	13°58	13°57	27°32	7°58	S 27
M28	8 31 48	8°56'31	18°59	13°49	14°20	22°34	26°38	0°36	23°47	26°47	5°23	13°55	13°54	27°38	7°54	M28
T 29	8 35 45	9°57'24	3 <b>8</b> 4	15°36	15°33	23°21	26°40	0°44	23°45	26°48	5°21	13°54	13°51	27°45	7°49	T 29
W30	8 39 41	10°58'15	16°52	17°23	16°46	24° 9	26°43	0°51	23°44	26°50	5°20	13°54	13°48	27°52	7°45	W30
T 31	8 43 38	11≈59'05	0∏24	19≈10	17 <b>米</b> 59	24≈56	26 <b>≏</b> 44	0≈58	23 <b>Ⅱ</b> 42	26 <b>米</b> 52	5 <b>Ω</b> 18	13 <b>M</b> 53	13 <b>M</b> .44	27 <b>m</b> 58	$7\Omega 40$	T 31

Day	0	D	ğ	φ	♂	4	ħ	)f(	<del>†</del>	Р	w v	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	l decl	decl lat
T 1 W 2	22 s59 22 53	14 29 0 56	24 20 0 5	2 18 46 1 45	21 s 1 1 s 8 20 50 1 8	8 22 1 17	21 0 0 19	23n33 0n11 23 33 0 11	2 45 1 21	24 32 5 55	16 s 50 16 s 2 16 51 16 2	7 1 33	10n27 7 s38 10 27 7 38
T 3 F 4 S 5	22 47 22 41 22 34	19 26 1 29		4 18 3 1 44	20 39 1 8 20 28 1 8 20 17 1 8	8 27 1 17	20 57 0 19	23 33 0 11 23 33 0 11 23 33 0 11	2 45 1 21 2 44 1 21 2 44 1 21	24 33 5 55	16 51 16 2 16 50 16 2 16 49 16 2	5 1 38	10 28 7 39 10 29 7 39 10 29 7 39
S 6 M 7 T 8 W 9 T 10 F 11		18 37 4 14 16 20 4 45 13 19 5 0 9 47 5 2	24 31 1 1 24 31 1 2 24 29 1 2 24 26 1 3 24 21 1 3 24 15 1 3	5 16 30 1 42 0 16 6 1 41 4 15 41 1 40	19 54 1 7 19 42 1 7 19 30 1 7 19 17 1 7	8 31 1 18 8 33 1 18 8 35 1 18 8 37 1 18 8 38 1 19 8 40 1 19	20 53 0 19 20 52 0 19 20 50 0 19 20 49 0 19	23 33 0 11 23 33 0 11	2 44 1 21 2 43 1 21 2 43 1 21 2 42 1 21 2 42 1 21 2 41 1 21	24 35 5 56 24 35 5 56 24 35 5 56 24 36 5 56	16 47 16 2 16 45 16 2 16 42 16 2 16 38 16 2 16 35 16 1 16 31 16 1	2 1 44 1 1 46 0 1 48 9 1 50	10 30 7 40 10 31 7 40 10 32 7 40 10 32 7 41 10 33 7 41 10 34 7 41
S 12 S 13	21 34 21 24	1 50 4 24 2s16 3 47	24 7 1 4 23 58 1 4	2 14 50 1 39 6 14 24 1 37	18 52 1 7 18 39 1 7	8 42 1 19 8 44 1 19	20 46 0 20 20 45 0 20	23 32 0 11 23 32 0 11	2 41 1 21 2 40 1 21	24 37 5 56 24 37 5 56	16 29 16 1 16 27 16 1	7 1 55 6 1 57	10 35 7 41 10 36 7 42
W16 T 17	21 13 21 2 20 50 20 39 20 26 20 14	10 1 2 7 13 26 1 7 16 20 0 3 18 32 1n 3		3 13 31 1 35 5 13 4 1 34	18 12 1 6 17 59 1 6 17 45 1 6 17 31 1 6		20 42 0 20 20 41 0 20 20 39 0 20 20 38 0 20	23 32 0 11 23 32 0 11		24 38 5 57 24 39 5 57 24 39 5 57 24 40 5 57	16 26 16 1 16 26 16 1 16 26 16 1 16 26 16 1 16 25 16 1 16 25 16 1	4 2 1 3 2 3 3 2 5 2 2 7	10 37 7 42 10 38 7 42 10 39 7 42 10 40 7 42 10 41 7 42 10 42 7 42
S 20 M21 T 22 W23 T 24 F 25 S 26	19 47 19 33 19 19 19 5 18 50	19 20 3 58 17 16 4 36 14 5 4 57 10 0 4 59 5 16 4 41	21 50 2 21 27 2 21 2 2 20 36 2 20 8 2	4 10 15 1 24 5 9 46 1 22 4 9 17 1 20 4 8 47 1 18	16 48 1 5 16 33 1 5 16 18 1 5 16 3 1 5	8 54 1 21 8 55 1 21 8 56 1 21 8 57 1 22 8 58 1 22	20 34 0 20 20 32 0 20 20 31 0 20 20 29 0 20 20 28 0 21	23 32 0 11 23 32 0 11 23 32 0 11 23 31 0 11 23 31 0 11 23 31 0 11 23 31 0 11	2 36 1 21 2 35 1 21 2 34 1 21 2 34 1 21 2 33 1 21	24 41 5 57 24 41 5 57 24 42 5 57 24 42 5 57 24 43 5 58		9 2 14 8 2 16 7 2 18 6 2 20 5 2 22	10 43 7 42 10 44 7 43 10 45 7 43 10 46 7 43 10 47 7 43 10 48 7 43 10 49 7 43
	18 19 18 3 17 47 17 30 17 s13	13 27 0 57 16 39 0s16	18 36 1 5	9 7 17 1 12 6 6 46 1 10 3 6 16 1 7	14 45 1 4	9 0 1 23 9 1 1 23 9 1 1 23	20 23 0 21 20 22 0 21 20 20 0 21	23 31 0 11 23 n31 0 n11	2 31 1 21 2 30 1 21 2 30 1 21	24 44 5 58 24 45 5 58	16 2 16 16 2 16	2 2 28 1 2 31 0 2 33	10 51 7 43 10 52 7 43 10 53 7 43 10 54 7 42 10n55 7 s42

Julian Day Number = 2340877.5, Delta T = 15.39 sec Ecliptic obliquity = 23°28'36, Nutation =  $0^\circ00'13$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ30'38$ , Lahiri =  $19^\circ37'39$ Greg. Calendar

FEBRUARY 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ	)ф(	卉	Р	ß	Ω	Ç	ķ	Day
F 1	8 47 34	12≈59'53	13 <b>II</b> 40	20≈58	19 <b>)</b>	25≈44	26 <u>₽</u> 46	1≈ 5	23°R41	26 <b>)</b> 53	5°R17	13°R51	13 <b>M</b> .41	28 <b>m</b> 5	7°R35	F 1
S 2	8 51 31	14° 0'40	26°43	22°46	20°24	26°31	26°48	1°12	23∏40	26°55	5 <b>Ω</b> 16	13 <b>M</b> .46	13°38	28°12	7 <b>Ω</b> 31	S 2
S 3	8 55 27	15° 1'25	9935	24°34	21°36	27°19	26°49	1°19	23°38	26°57	5°14	13°38	13°35	28°18	7°26	S 3
M 4	8 59 24	16° 2'09	22°16	26°21	22°49	28° 6	26°50	1°26	23°37	26°59	5°13	13°27	13°32	28°25	7°22	M 4
T 5	9 3 21	17° 2'51	4 <b>Ω</b> 47	28° 9	24° 1	28°54	26°51	1°33	23°36	27° 1	5°12	13°14	13°28	28°32	7°17	T 5
W 6	9 7 17	18° 3'32	17° 9	29°56	25°14	29°41	26°52	1°40	23°35	27° 2	5°10	12°59	13°25	28°38	7°13	W 6
T 7	9 11 14	19° 4'12	29°21	1 <b>) (</b> 42	26°26	0 <b>∺</b> 28	26°52	1°47	23°33	27° 4	5° 9	12°45	13°22	28°45	7° 8	T 7
F 8	9 15 10	20° 4'50	11 <b>m</b> /24	3°27	27°38	1°16	26°53	1°53	23°32	27° 6	5°8	12°32	13°19	28°52	7° 4	F 8
S 9	9 19 7	21° 5'26	23°19	5°10	28°50	2° 3	26°53	2° 0	23°31	27° 8	5° 6	12°21	13°16	28°58	6°59	S 9
S 10	9 23 3	22° 6'02	5 <b>₾</b> 9	6°52	0 <b>Υ</b> 2	2°50	26°R53	2° 7	23°30	27°10	5° 5	12°13	13°13	29° 5	6°55	S 10
M11	9 27 0	23° 6'36	16°57	8°31	1°14	3°38	26°53	2°14	23°29	27°12	5° 4	12° 8	13° 9	29°12	6°50	M11
T 12	9 30 56	24° 7'09	28°47	10° 8	2°25	4°25	26°52	2°21	23°28	27°14	5° 2	12° 5	13° 6	29°18	6°46	T 12
W13	9 34 53	25° 7'40	10 <b>M</b> .42	11°41	3°37	5°12	26°52	2°28	23°27	27°16	5° 1	12°D 4	13° 3	29°25	6°42	W13
T 14	9 38 49	26° 8'10	22°49	13°10	4°49	6° 0	26°51	2°34	23°27	27°18	5° 0	12°R 4	13° 0	29°32	6°37	T 14
F 15	9 42 46	27° 8'39	5 <b>₹</b> 13	14°35	6° 0	6°47	26°50	2°41	23°26	27°20	4°58	12° 4	12°57	29°39	6°33	F 15
S 16	9 46 43	28° 9'07	17°59	15°54	7°11	7°34	26°49	2°48	23°25	27°22	4°57	12° 3	12°54	29°45	6°29	S 16
S 17	9 50 39	29° 9'33	1 <b>ਰ</b> 11	17° 7	8°23	8°21	26°48	2°54	23°24	27°24	4°56	11°59	12°50	29°52	6°25	S 17
M18	9 54 36	0 <b>米</b> 9'58	14°53	18°14	9°34	9° 9	26°46	3° 1	23°24	27°26	4°55	11°52	12°47	29°59	6°21	M18
T 19	9 58 32	1°10'22	29° 4	19°14	10°45	9°56	26°45	3° 8	23°23	27°28	4°53	11°43	12°44	0 <b>호</b> 5	6°17	T 19
W20	10 2 29	2°10'44	13≈42	20° 6	11°56	10°43	26°43	3°14	23°23	27°30	4°52	11°33	12°41	0°12	6°13	W20
T 21	10 6 25	3°11'04	28°40	20°49	13° 7	11°30	26°41	3°21	23°22	27°32	4°51	11°22	12°38	0°19	6° 9	T 21
F 22	10 10 22	4°11'23	13 <b>) (</b> 49	21°24	14°17	12°17	26°38	3°27	23°22	27°34	4°50	11°12	12°34	0°25	6° 5	F 22
S 23	10 14 18	5°11'39	28°59	21°50	15°28	13° 4	26°36	3°34	23°22	27°37	4°49	11° 4	12°31	0°32	6° 2	S 23
S 24	10 18 15	6°11'54	13 <b>Y</b> 59	22° 6	16°39	13°52	26°33	3°40	23°21	27°39	4°47	10°59	12°28	0°39	5°58	S 24
M25	10 22 12	7°12'07	28°41	22°R12	17°49	14°39	26°31	3°46	23°21	27°41	4°46	10°56	12°25	0°45	5°54	M25
T 26	10 26 8	8°12'17	138 2	22° 9	18°59	15°26	26°28	3°53	23°21	27°43	4°45	10°D56	12°22	0°52	5°51	T 26
W27	10 30 5	9°12'26	26°59	21°57	20° 9	16°13	26°24	3°59	23°21	27°45	4°44	10°56	12°19	0°59	5°47	W27
T 28	10 34 1	10 <b>) (</b> 12′32	10 <b>Ⅲ</b> 33	21 <b>)</b> 36	21 <b>Y</b> 19	17 <b>∺</b> 0	26 <b>≏</b> 21	4≈ 5	23Ⅲ21	27 <b>) (</b> 47	4 <b>Ω</b> 43	10°R57	12 <b>M</b> 15	1 <b>♀</b> 5	5 <b>Ω</b> 44	T 28

Day	0	J	)	ğ	5	φ		С	7	2	4	ħ	1	)	ţ(	4	(	Е	)	n	Ω	Ç	لح	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
F 1	16 s56	19n59	2 s 3 0	16s10	1 s44	5 s 1 4	1 s 2	13 s57	1 s 3	9s 2	1n24	20s18	0 s21	23n31	0n11	2 s28	1 s20	24n45	5n58	16s 1	15 s58	2 s 3 7	10n57	7 s42
S 2	16 39	20 1	3 25	15 31	1 39	4 43	0 59	13 41	1 3	9 3	1 24	20 16	0 21	23 31	0 11	2 27	1 20	24 46	5 58	16 0	15 57	2 39	10 58	7 42
S 3	16 21	18 59	4 9	14 49	1 33	4 12	0 57	13 24	1 2	9 3	1 24	20 15	0 21	23 31	0 11	2 27	1 20	24 46	5 58	15 57	15 56	2 41	10 59	7 42
M 4		17 2	-	14 7	1 27	3 41		-	1 2					23 31	0 11	2 26	1 20				15 55	2 43		7 42
T 5		14 18		13 23	1 20	3 10		12 51	1 2		-	-		23 31	0 11	2 25	1 20				15 54	2 45		7 42
W 6		10 58		12 38	1 12	2 38		12 34	1 2	-				23 30		2 24	1 20				15 54	2 47	-	7 41
I /	15 8	7 14		11 53	1 4	2 7		12 17	1 1	9 3			0 22			2 24	1 20	_			15 53	2 49		7 41
F 8	14 49 14 29	3 15 0s50		11 6 10 19	0 54	1 35	0 42 0 39	12 0 11 42	1 1	9 3				23 30 23 30		2 23 2 22		24 48 24 48			15 52	2 51 2 53		,
~ .						1 4			1 1												15 51			/ 41
S 10	14 10	4 50	3 2		0 34	0 32		11 25	1 0		-	-		23 30		2 21		24 49			15 50	2 56		7 40
M11	13 50	8 39	2 9	8 44	0 23	0 1		11 7	1 0		1 26		0 22			2 21	1 20				15 49		11 10	
T 12		12 9	1 10	7 57	0 11	0n31		10 50	1 0	9 2	1 26		0 22			2 20	1 20				15 48		11 11	7 40
W13 T 14		15 10	0 7	7 10	0n 2	1 2	-		0 59	-				23 30		2 19	1 20				15 47		11 12	7 39 7 39
F 15		17 35 19 14	0n57 2 0	6 23 5 38	0 15 0 29	1 34 2 6	0 23	10 14 9 57	0 59 0 59	-	1 27 1 27			23 30 23 30		2 18 2 17	1 20 1 20				15 46 15 45		11 14 11 15	7 39
S 16		19 14	2 58	3 36 4 54	0 43	2 37	0 19	9 37	0 58	9 0				23 30		2 17		24 51			15 44		11 13	
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S 17		19 39	3 50		0 58	3 8	0 12	9 21	0 58	8 59		19 54		23 30		2 16		24 51			15 43		11 18	
M18 T 19		18 10 15 34	4 30 4 55	3 33 2 55	1 13	3 40	0 9 0 5	9 3 8 44	0 58 0 57	8 59	-			23 30 23 30		2 15 2 14	1 20	24 52 24 52			15 42		11 19	7 38 7 37
W20		11 55	5 2	2 23	1 28 1 43	4 11 4 42	0 5	8 26	0 57	8 58 8 57				23 30		2 14	1 20	-			15 41 15 40		11 21 11 22	7 37
T 21	10 43	7 26	4 49	1 50	1 58	5 13	0n 3	8 8	0 56	8 56			0 23			2 12	1 20				15 39		11 23	7 36
F 22	9 59	2 27	4 15		2 12	5 44	0 6	7 49	0 56		-			23 30		2 11	1 20	-			15 38		11 25	7 36
S 23	9 37	2n43	3 24	1 0	2 26	6 15	0 10	7 31	0 56			19 46		23 30		2 11		24 53			15 37		11 26	
S 24	9 15	7 39	2 18	0 42	2 40	6 46	0 14	7 12	0 55	8 53	1 29	19 44	0 23	23 30	0 11	2 10	1 20	24 53	5 58	15 9	15 36	3 24	11 27	7 35
M25	8 53	12 2	1 5	0 27	2 53	7 17	0 18	6 54	0 55	8 51	1 29	-	0 23			2 9	1 20		5 58		15 35		11 29	7 34
T 26		15 36	0s11	0 18	3 4	7 47	0 22	6 35	0 54	8 50				23 30		2 8	1 20	-	5 58		15 34		11 30	7 34
W27	8 8	18 8	1 25	0 13	3 14	8 17	0 26	6 17	0 54	8 49	1 29	19 40	0 23	23 30	0 11	2 7	1 20	24 54	5 58	15 8	15 33	3 31	11 31	7 33
T 28	7 s45	19n34	2 s 3 1	0s13	3n23	8n47	0n30	5 s58	0s54	8 s48	1n30	19 s 3 9	0 s23	23n30	0n11	2s 6	1 s20	24n54	5n58	15 s 8	15 s32	3 s33	11n33	7 s33

Julian Day Number = 2340908.5, Delta T = 15.36 sec Ecliptic obliquity = 23°28'36, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ30'43$ , Lahiri =  $19^\circ37'43$ Greg. Calendar

MARCH 1697 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	n	v	Ç	ķ	Day
F 1	10 37 58	11 <b>)</b> 12'37	23 <b>Ⅱ</b> 45	21°R 7	22 <b>Y</b> 29	17 <b>){</b> 47	26°R18	4≈11	23°D21	27 <b>)</b> 50	4°R42	10°R56	12 <b>M</b> .12	1 <b>≏</b> 12	5°R40	F 1
S 2	10 41 54	12°12'39	69540	20 <b>∺</b> 30	23°39	18°34	26 <b>₽</b> 14	4°18	23耳21	27°52	4 <b>Ω</b> 41	10 <b>M</b> 53	12° 9	1°19	5 <b>Ω</b> 37	S 2
S 3	10 45 51	13°12'39	19°19	19°46	24°48	19°21	26°10	4°24	23°21	27°54	4°40	10°48	12° 6	1°25	5°34	S 3
M 4	10 49 47	14°12'37	1 <b>Ω</b> 45	18°57	25°58	20° 7	26° 6	4°30	23°21	27°56	4°39	10°40	12° 3	1°32	5°31	M 4
T 5	10 53 44	15°12'32	14° 1	18° 3	27° 7	20°54	26° 2	4°36	23°21	27°58	4°38	10°30	12° 0	1°39	5°28	T 5
W 6	10 57 41	16°12'26	26° 9	17° 7	28°16	21°41	25°57	4°42	23°21	28° 1	4°37	10°20	11°56	1°45	5°25	W 6
T 7	11 137	17°12'18	8 <b>m</b> 10	16° 8	29°25	22°28	25°53	4°48	23°22	28° 3	4°36	10° 9	11°53	1°52	5°22	T 7
F 8	11 5 34	18°12'07	20° 6	15°10	0 <b>8</b> 34	23°15	25°48	4°53	23°22	28° 5	4°35	10° 0	11°50	1°59	5°19	F 8
S 9	11 9 30	19°11'55	1 <b>≙</b> 57	14°12	1°42	24° 1	25°44	4°59	23°22	28° 7	4°34	9°52	11°47	2° 5	5°17	S 9
S 10	11 13 27	20°11'40	13°46	13°16	2°51	24°48	25°39	5° 5	23°23	28°10	4°33	9°46	11°44	2°12	5°14	S 10
M11	11 17 23	21°11'24	25°35	12°24	3°59	25°35	25°33	5°11	23°23	28°12	4°32	9°42	11°40	2°19	5°11	M11
T 12	11 21 20	22°11'06	7 <b>M</b> 26	11°35	5° 7	26°21	25°28	5°16	23°24	28°14	4°31	9°D41	11°37	2°25	5° 9	T 12
W13	11 25 16	23°10'46	19°24	10°52	6°15	27° 8	25°23	5°22	23°25	28°16	4°30	9°42	11°34	2°32	5° 7	W13
T 14	11 29 13	24°10'24	1 <b>₹</b> 32	10°13	7°23	27°55	25°17	5°27	23°25	28°19	4°29	9°43	11°31	2°39	5° 5	T 14
F 15	11 33 10	25°10'01	13°55	9°41	8°30	28°41	25°12	5°33	23°26	28°21	4°29	9°44	11°28	2°46	5° 2	F 15
S 16	11 37 6	26° 9'36	26°38	9°14	9°37	29°28	25° 6	5°38	23°27	28°23	4°28	9°R45	11°25	2°52	5° 0	S 16
S 17	11 41 3	27° 9'09	9 <b>ප</b> 45	8°53	10°45	0 <b>Υ</b> 14	25° 0	5°44	23°28	28°25	4°27	9°44	11°21	2°59	4°58	S 17
M18	11 44 59	28° 8'40	23°19	8°39	11°51	1° 0	24°54	5°49	23°29	28°28	4°26	9°41	11°18	3° 6	4°57	M18
T 19	11 48 56	29° 8'10	7≈21	8°30	12°58	1°47	24°48	5°54	23°29	28°30	4°26	9°37	11°15	3°12	4°55	T 19
W20	11 52 52	0 <b>Υ</b> 7'38	21°52	8°D28	14° 5	2°33	24°41	5°59	23°30	28°32	4°25	9°32	11°12	3°19	4°53	W20
T 21	11 56 49	1° 7'04	6 <b>)</b> 46	8°31	15°11	3°20	24°35	6° 4	23°31	28°35	4°24	9°26	11° 9	3°26	4°52	T 21
F 22	12 0 45	2° 6'27	21°56	8°40	16°17	4° 6	24°28	6° 9	23°33	28°37	4°24	9°20	11° 5	3°32	4°50	F 22
S 23	12 4 42	3° 5'49	7 <b>Υ</b> 12	8°54	17°23	4°52	24°22	6°14	23°34	28°39	4°23	9°16	11° 2	3°39	4°49	S 23
S 24	12 8 38	4° 5'09	22°24	9°14	18°29	5°38	24°15	6°19	23°35	28°41	4°22	9°13	10°59	3°46	4°48	S 24
M25	12 12 35	5° 4'27	7 <b>8</b> 22	9°38	19°34	6°24	24° 8	6°24	23°36	28°44	4°22	9°D12	10°56	3°52	4°47	M25
T 26	12 16 32	6° 3'42	21°58	10° 7	20°39	7°11	24° 1	6°29	23°37	28°46	4°21	9°13	10°53	3°59	4°46	T 26
W27	12 20 28	7° 2'56	6 <b>I</b> 9	10°40	21°44	7°57	23°54	6°33	23°39	28°48	4°21	9°14	10°50	4° 6	4°45	W27
T 28	12 24 25	8° 2'07	19°53	11°17	22°49	8°43	23°47	6°38	23°40	28°50	4°20	9°15	10°46	4°12	4°44	T 28
F 29	12 28 21	9° 1'15	39612	11°58	23°53	9°29	23°40	6°42	23°42	28°53	4°20	9°R16	10°43	4°19	4°43	F 29
S 30	12 32 18	10° 0'22	16° 8	12°43	24°57	10°15	23°33	6°47	23°43	28°55	4°19	9°16	10°40	4°26	4°43	S 30
S 31	12 36 14	10 <b>Y</b> 59'25	289544	13 <b>∺</b> 31	26 <b>8</b> 1	11 <b>Y</b> 0	23 <b>₾</b> 25	6≈51	23 <b>Ⅱ</b> 45	28 <b>)</b> 57	4 <b>Ω</b> 19	9 <b>M</b> .15	10 <b>M</b> 37	4 <b>º</b> 32	4 <b>Ω</b> 42	S 31

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F 1 S 2	7 s22 6 59	19n52 3 s28 19 6 4 13	0s18 3n3 0 28 3 3		5 s39 0 s53 5 20 0 53	8 s 4 6 1 n 3 0 8 4 5 1 3 0		23n30 0n11 23 30 0 11	2s 5 1s20 2 4 1 20		15 s 8 15 s 31 15 7 15 30		11n34 7s32 11 35 7 32
S 3 M 4 T 5 W 6 T 7 F 8	6 36 6 13 5 50 5 27 5 4 4 40	17 24 4 44 14 54 5 1 11 47 5 4 8 13 4 54 4 21 4 30 0 20 3 54		11     10     46     0     46       10     11     15     0     50       10     11     43     0     55       10     12     12     0     59	5 2 0 52 4 43 0 52 4 24 0 51 4 5 0 51 3 46 0 51 3 27 0 50	8 43 1 30 8 41 1 30 8 40 1 31 8 38 1 31 8 36 1 31 8 34 1 31	19 33 0 24 19 32 0 24 19 30 0 24 19 29 0 24	23 30 0 11 23 30 0 11 23 30 0 11	2 4 1 20 2 3 1 20 2 2 1 20 2 1 1 20 2 0 1 20 1 59 1 20	24 55 5 58 24 56 5 58 24 56 5 58 24 56 5 58	15 3 15 28	3 41 3 43 3 45 3 47	11 37 7 31 11 38 7 31 11 39 7 30 11 40 7 29 11 42 7 29 11 43 7 28
S 9 S 10	4 40 4 17 3 53	3 s 4 0 3 9 7 3 1 2 1 5	3 11 3 1	-	3 8 0 50 2 49 0 49	8 32 1 31 8 30 1 31	19 27 0 24	23 30 0 11 23 30 0 11 23 30 0 11		24 56 5 58	14 48 15 24 14 46 15 23	3 51	11 43 7 28 11 44 7 27 11 46 7 27
M11 T 12 W13 T 14 F 15	3 30 3 6 2 43 2 19 1 55	11 5 1 15 14 12 0 12 16 46 0n52 18 37 1 56 19 37 2 55	6 4 2	14 14 30 1 20 31 14 57 1 24 77 15 23 1 28 2 15 49 1 33	2 30 0 49 2 11 0 48 1 52 0 48 1 33 0 47 1 14 0 47	8 28 1 32 8 26 1 32 8 24 1 32 8 22 1 32 8 20 1 32	19 23 0 25 19 21 0 25 19 20 0 25 19 19 0 25	23 30 0 11 23 30 0 11 23 30 0 11 23 30 0 11	1 56 1 20 1 56 1 20 1 55 1 20 1 54 1 20 1 53 1 20	24 57 5 58 24 57 5 58 24 57 5 58	14 45 15 22 14 44 15 21 14 44 15 20 14 45 15 19 14 45 15 18	3 55 3 57 3 59 4 1	11 47 7 26 11 48 7 25 11 49 7 25 11 50 7 24 11 51 7 23
S 16 S 17 M18 T 19 W20 T 21 F 22 S 23	1 32 1 8 0 44 0 21 0n 3 0 27 0 50 1 14	19 39 3 47 18 39 4 29 16 34 4 58 13 27 5 10 9 27 5 3 4 46 4 36 0n18 3 49 5 24 2 46	7 41 0 4 7 53 0 3 8 3 0 1	32 16 40 1 41 7 17 5 1 45 2 17 30 1 49 47 17 54 1 54	0 55 0 46 0 36 0 46 0 17 0 45 0n 1 0 45 0 20 0 44 0 39 0 44 0 58 0 43 1 17 0 43	8 18 1 32 8 15 1 33 8 13 1 33 8 11 1 33 8 8 1 33 8 6 1 33 8 3 1 33 8 1 1 33	19 16 0 25 19 15 0 25 19 14 0 25 19 13 0 25 19 12 0 26 19 11 0 26	23 30 0 11 23 30 0 11 23 30 0 11	1 52  1 20 1 51  1 20 1 50  1 20 1 49  1 20 1 48  1 20 1 47  1 20 1 47  1 20 1 46  1 20	24 58 5 58 24 58 5 58 24 58 5 58 24 58 5 57 24 58 5 57 24 58 5 57	14 45 15 17 14 45 15 16 14 44 15 15 14 43 15 14 14 41 15 13 14 39 15 12 14 38 15 11 14 36 15 10	4 7 4 9 4 11 4 13 4 15 4 17	11 53 7 23 11 54 7 22 11 55 7 21 11 56 7 21 11 57 7 20 11 58 7 19 11 59 7 18 12 0 7 18
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	1 38 2 1 2 25 2 48 3 12 3 35 3 58	10 8 1 31 14 9 0 10 17 10 1s 9 19 2 2 22 19 42 3 25 19 13 4 14	8 15 0s 8 18 0 2 8 19 0 3 8 17 0 4 8 13 0 5 8 7 1 8 0 1 1	9 19 26 2 10 22 19 48 2 14 34 20 10 2 18 46 20 31 2 22	1 36 0 42 1 55 0 42 2 13 0 41 2 32 0 41 2 51 0 40 3 9 0 39 3 28 0 39 3n46 0s38	7 58 1 33 7 56 1 33 7 53 1 33 7 50 1 34 7 48 1 34 7 45 1 34 7 42 1 34	19 8 0 26 19 7 0 26 19 6 0 26 19 5 0 26 19 4 0 26 19 3 0 26 19 2 0 27	23 30 0 11 23 31 0 11 23 31 0 11 23 31 0 11	1 45 1 20 1 44 1 20 1 43 1 20 1 42 1 20 1 41 1 20 1 40 1 20 1 39 1 20	24 58 5 57 24 58 5 57 24 58 5 57 24 59 5 57 24 59 5 57 24 59 5 57	14 35 15 9 14 35 15 8 14 35 15 7 14 36 15 6 14 36 15 5 14 36 15 4 14 36 15 3 14s36 15s 2	4 21 4 23 4 25 4 27 4 29 4 31 4 33	12 1 7 17 12 2 7 16 12 3 7 15 12 4 7 14 12 5 7 14 12 6 7 13

Julian Day Number = 2340936.5, Delta T = 15.33 sec Ecliptic obliquity = 23°28'37, Nutation =  $0^\circ00'13$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ30'47$ , Lahiri =  $19^\circ37'47$ Greg. Calendar

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)Å(	¥	Р	₽.	ß	Ç	ķ	Day
M 1	12 40 11	11 <b>Y</b> 58'27	11 <b>0</b> 5	14 <b>) (</b> 22	27 <b>8</b> 4	11 <b>Y</b> 46	23°R18	6≈55	23耳46	28 <b>米</b> 59	4°R18	9°R12	10 <b>M</b> .34	4 <b>Ω</b> 39	4°R42	M 1
T 2	12 44 7	12°57'26	23°13	15°17	28° 8	12°32	23 <u>₽</u> 11	7° 0	23°48	29° 2	$4\Omega$ 18	9 <b>M</b> 9	10°31	4°46	4 <b>Ω</b> 41	T 2
W 3	12 48 4	13°56'23	5 <b>m</b> 12	16°15	29°10	13°18	23° 3	7° 4	23°50	29° 4	4°18	9° 5	10°27	4°52	4°41	W 3
T 4	12 52 1	14°55'18	17° 6	17°15	0 <b>Ⅱ</b> 13	14° 4	22°56	7° 8	23°51	29° 6	4°17	9° 0	10°24	4°59	4°D41	T 4
F 5	12 55 57	15°54'10	28°56	18°18	1°15	14°49	22°48	7°12	23°53	29° 8	4°17	8°57	10°21	5° 6	4°41	F 5
S 6	12 59 54	16°53'01	10 <b>≏</b> 45	19°24	2°17	15°35	22°40	7°16	23°55	29°10	4°17	8°53	10°18	5°12	4°41	S 6
S 7	13 3 50	17°51'49	22°36	20°32	3°19	16°20	22°33	7°20	23°57	29°13	4°17	8°51	10°15	5°19	4°42	S 7
M 8	13 7 47	18°50'36	4M29	21°42	4°20	17° 6	22°25	7°23	23°59	29°15	4°16	8°D51	10°11	5°26	4°42	M 8
T 9	13 11 43	19°49'21	16°27	22°55	5°21	17°51	22°18	7°27	24° 1	29°17	4°16	8°51	10° 8	5°32	4°42	T 9
W10	13 15 40	20°48'03	28°33	24°10	6°21	18°37	22°10	7°31	24° 3	29°19	4°16	8°52	10° 5	5°39	4°43	W10
T 11	13 19 36	21°46'44	10 <b>×</b> 749	25°27	7°21	19°22	22° 2	7°34	24° 5	29°21	4°16	8°53	10° 2	5°46	4°44	T 11
F 12	13 23 33	22°45'24	23°19	26°47	8°21	20° 8	21°54	7°37	24° 7	29°23	4°16	8°54	9°59	5°52	4°45	F 12
S 13	13 27 30	23°44'01	6 <b>ਰ</b> 5	28° 8	9°20	20°53	21°47	7°41	24° 9	29°25	4°16	8°55	9°56	5°59	4°45	S 13
S 14	13 31 26	24°42'37	19°11	29°31	10°19	21°38	21°39	7°44	24°11	29°28	4°16	8°R56	9°52	6° 6	4°46	S 14
M15	13 35 23	25°41'11	2≈39	0 <b>Υ</b> 56	11°17	22°23	21°31	7°47	24°13	29°30	4°16	8°56	9°49	6°12	4°48	M15
T 16	13 39 19	26°39'44	16°32	2°23	12°15	23° 9	21°24	7°50	24°15	29°32	4°D16	8°55	9°46	6°19	4°49	T 16
W17	13 43 16	27°38'14	0 <b>∺</b> 48	3°52	13°12	23°54	21°16	7°53	24°18	29°34	4°16	8°54	9°43	6°26	4°50	W17
T 18	13 47 12	28°36'44	15°26	5°23	14° 9	24°39	21° 9	7°56	24°20	29°36	4°16	8°53	9°40	6°32	4°52	T 18
F 19	13 51 9	29°35'11	o <b>Υ</b> 21	6°55	15° 6	25°24	21° 1	7°59	24°22	29°38	4°16	8°52	9°36	6°39	4°53	F 19
S 20	13 55 5	0 <b>8</b> 33'37	15°26	8°29	16° 1	26° 9	20°54	8° 2	24°25	29°40	4°16	8°51	9°33	6°46	4°55	S 20
S 21	13 59 2	1°32'01	0 <b>8</b> 32	10° 6	16°57	26°54	20°46	8° 4	24°27	29°42	4°16	8°51	9°30	6°52	4°56	S 21
M22	14 2 58	2°30'23	15°30	11°43	17°52	27°39	20°39	8° 7	24°30	29°44	4°16	8°D51	9°27	6°59	4°58	M22
T 23	14 6 55	3°28'43	0 <b>Ⅱ</b> 11	13°23	18°46	28°23	20°31	8° 9	24°32	29°46	4°16	8°51	9°24	7° 6	5° 0	T 23
W24	14 10 52	4°27'02	14°31	15° 4	19°40	29° 8	20°24	8°12	24°35	29°48	4°17	8°51	9°21	7°12	5° 2	W24
T 25	14 14 48	5°25'18	28°25	16°48	20°33	29°53	20°17	8°14	24°37	29°50	4°17	8°52	9°17	7°19	5° 4	T 25
F 26	14 18 45	6°23'33	119552	18°33	21°25	0 <b>8</b> 37	20°10	8°16	24°40	29°52	4°17	8°52	9°14	7°26	5° 7	F 26
S 27	14 22 41	7°21'45	24°54	20°19	22°17	1°22	20° 2	8°18	24°43	29°54	4°17	8°52	9°11	7°32	5° 9	S 27
S 28	14 26 38	8°19'56	7 <b>Ω</b> 34	22° 8	23° 8	2° 7	19°55	8°20	24°45	29°55	4°18	8°52	9° 8	7°39	5°12	S 28
M29	14 30 34	9°18'04	19°55	23°58	23°58	2°51	19°49	8°22	24°48	29°57	4°18	8°52	9° 5	7°46	5°14	M29
T 30	14 34 31	10816'10	2 m 1	25 <b>Y</b> 51	24∏48	3 <b>8</b> 36	19 <b>≏</b> 42	8≈24	24 <b>II</b> 51	29 <b>米</b> 59	$4\Omega$ 18	8M52	9 <b>™</b> 2	7 <b>≏</b> 52	5 <b>Ω</b> 17	T 30

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M 1	4n44	12n27 5s13	7 s 3 8 1	s36 22n 9	2n41 4n	5 0s38	7 s37	1n34	19s 0	0 s27	23n31	0n11	1 s38	1 s20	24n59	5n57	14 s35	15 s 1	4s37	12n 9	7 s11
T 2	5 7	9 0 5 4			2 45 4		7 34	1 34	18 59		23 31	0 11	1 37		24 59		14 34			12 10	7 10
W 3	5 30	5 15 4 42			2 49 4		7 31	1 34	18 58		23 31	0 11	1 36	1 20				14 59		12 10	7 9
T 4	5 53	1 18 4 7	6 52 1	59 23 2	2 52 5	0 0 36	7 28	1 34	18 57		23 31	0 11	1 35	1 20				14 58		12 11	7 8
F 5	6 16	2 s40 3 22	6 33 2			8 0 36	7 26	1 34	18 56		23 31	0 11	1 34	1 20	24 59			14 57		12 12	7 7
S 6	6 39	6 33 2 29	6 13 2	2 11 23 35	2 59 5	6 0 35	7 23	1 34	18 56	0 27	23 31	0 11	1 33	1 20	24 59	5 56	14 29	14 56	4 47	12 13	7 7
S 7	7 1	10 10 1 29	5 51 2	2 17 23 50	3 3 5	0 34	7 20	1 34	18 55	0 27	23 32	0 11	1 33	1 20	24 59	5 56	14 28	14 55	4 49	12 13	7 6
M 8	7 24	13 25 0 24	5 28 2			2 0 34	7 17	1 34	18 54	0 28		0 11	1 32	1 20	24 59			14 54	4 51	12 14	7 5
T 9	7 46			2 26 24 20	3 9 6		7 14	1 34		0 28		-	1 31					14 53		12 15	7 4
W10	8 8	18 8 1 47		2 30 24 33	3 12 6		7 11	1 34			23 32		1 30	1 20				14 52		12 15	7 3
T 11	8 30			2 33 24 47	3 15 7	6 0 32	7 9	1 34			23 32	0 11	1 29	1 20				14 51		12 16	7 3
F 12		19 37 3 42		2 35 25 0	3 18 7		7 6	1 34	18 51		23 32	0 11	1 28	1 20				14 50		12 17	7 2
S 13	9 14	18 54 4 27	3 9 2	2 37 25 12	3 21 7	0 31	7 3	1 34	18 50	0 28	23 32	0 11	1 28	1 20	24 58	5 56	14 30	14 49	5 1	12 17	7 1
S 14	9 35	17 11 4 58	2 37 2	2 39 25 23	3 24 7	9 0 30	7 0	1 34	18 49	0 28	23 32	0 11	1 27	1 20	24 58	5 56	14 30	14 48	5 3	12 18	7 0
M15	9 57	14 29 5 15	2 4 2	2 40 25 35	3 27 8	6 0 30	6 57	1 34	18 49	0 28	23 32	0 11	1 26	1 20	24 58	5 55	14 30	14 47	5 5	12 18	6 59
T 16	10 18	10 54 5 14	1 30 2	2 40 25 45	3 29 8	3 0 29	6 55	1 34	18 48	0 29	23 32	0 11	1 25	1 20	24 58	5 55	14 30	14 46	5 7	12 19	6 58
W17	10 39	6 37 4 54	0 55 2	2 40 25 55	3 32 8	0 29	6 52	1 34	18 47	0 29	23 32	0 11	1 24	1 21	24 58			14 45	5 9	12 19	6 58
T 18	11 0	1 50 4 15			3 34 9	8 0 28	6 49	1 34	18 47	0 29		0 11	1 24	1 21	24 58			14 44		12 20	6 57
	11 21	3n10 3 18			3 36 9		6 46	1 33			23 33		1 23					14 43		12 20	6 56
S 20	11 41	8 2 2 6	0 59 2	2 36 26 22	3 38 9	2 0 27	6 43	1 33	18 45	0 29	23 33	0 11	1 22	1 21	24 58	5 55	14 28	14 42	5 15	12 21	6 55
S 21	12 2	12 24 0 46	1 38 2	2 34 26 29	3 40 9	8 0 26	6 41	1 33	18 45	0 29	23 33	0 11	1 21	1 21	24 58	5 55	14 28	14 41	5 17	12 21	6 54
M22	12 22	15 55 0s37	2 19 2	2 31 26 37	3 42 10	5 0 26	6 38	1 33	18 44	0 29	23 33	0 11	1 20	1 21	24 58	5 55	14 28	14 40	5 19	12 21	6 54
T 23	12 42	18 20 1 56	3 1 2	2 28 26 43	3 44 10	2 0 25	6 35	1 33	18 44	0 29	23 33	0 11	1 20	1 21	24 57	5 55	14 28	14 39	5 21	12 22	6 53
W24	13 1	19 30 3 6	3 44 2	2 24 26 49	3 46 10	8 0 24	6 33	1 33	18 43	0 30	23 33	0 11	1 19	1 21	24 57	5 55	14 28	14 38	5 23	12 22	6 52
T 25	13 21	19 26 4 2	4 28 2	2 20 26 55	3 47 11	5 0 24	6 30	1 33	18 43	0 30	23 33	0 11	1 18	1 21	24 57	5 55	14 29	14 37	5 25	12 22	6 51
F 26	13 40		5 12 2		3 48 11		6 28	1 33	-	0 30		0 11	1 17	1 21	24 57	5 54	14 29	14 36	5 27	12 23	6 50
S 27	13 59	16 7 5 8	5 57 2	2 9 27 4	3 49 11	7 0 22	6 25	1 33	18 42	0 30	23 33	0 11	1 17	1 21	24 57	5 54	14 29	14 35	5 29	12 23	6 50
S 28	14 18	13 17 5 18	6 43 2	2 3 27 8	3 50 11	3 0 22	6 22	1 33	18 42	0 30	23 34	0 11	1 16	1 21	24 57	5 54	14 29	14 34	5 31	12 23	6 49
M29	14 37	9 56 5 12	7 30 1	57 27 11	3 51 12	9 0 21	6 20	1 32	18 41	0 30	23 34	0 11	1 15	1 21	24 57	5 54	14 29	14 33	5 33	12 23	6 48
T 30	14n55	6n13 4s52	8n18 1	s50 27n14	3n52 12n	25 0s21	6s18	1n32	18s41	0s30	23n34	0n11	1 s 1 5	1 s21	24n56	5n54	14 s29	14 s32	5 s 3 5	12n23	6 s47

 $\label{eq:Julian Day Number = 2340967.5, Delta T = 15.30 sec} \\ Ecliptic obliquity = 23°28'37, Nutation = 0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°30'51, Lahiri = 19°37'51Greg. Calendar$ 

MAY 1697 GC 00:00 UT

Day	Sid.t	$\odot$	D	φ	φ	♂	4	ħ	)∤(	卉	Р	r	Ω	Ç	Š	Day
W 1	14 38 27	11 <b>8</b> 14'14	13 <b>m</b> 58	27 <b>Y</b> 45	25 <b>Ⅲ</b> 37	4820	19°R35	8≈25	24∏54	$_{0}$ $\gamma$	4 <b>Ω</b> 19	8ML53	8 <b>M</b> .58	7 <b>ჲ</b> 59	5 <b>Ω</b> 20	W 1
T 2	14 42 24	12°12'17	25°48	29°40	26°25	5° 4	19 <b>॒</b> 28	8°27	24°57	0° 3	4°19	8°53	8°55	8° 6	5°22	T 2
F 3	14 46 21	13°10'17	7 <b>≏</b> 37	1 <b>8</b> 38	27°12	5°49	19°22	8°28	24°59	0° 5	4°20	8°53	8°52	8°12	5°25	F 3
S 4	14 50 17	14° 8'16	19°27	3°37	27°58	6°33	19°15	8°30	25° 2	0° 6	4°20	8°54	8°49	8°19	5°28	S 4
S 5	14 54 14	15° 6'13	1 <b>M</b> 21	5°38	28°44	7°17	19° 9	8°31	25° 5	0°8	4°21	8°54	8°46	8°26	5°32	S 5
M 6	14 58 10	16° 4'09	13°21	7°41	29°28	8° 1	19° 3	8°32	25° 8	0°10	4°21	8°R54	8°42	8°32	5°35	M 6
T 7	15 2 7	17° 2'03	25°30	9°45	09512	8°45	18°57	8°33	25°11	0°12	4°22	8°54	8°39	8°39	5°38	T 7
W 8	15 6 3	17°59'55	7 <b>.</b> ₹50	11°51	0°54	9°29	18°51	8°35	25°14	0°13	4°22	8°53	8°36	8°46	5°42	W 8
T 9	15 10 0	18°57'46	20°21	13°58	1°36	10°13	18°45	8°35	25°17	0°15	4°23	8°52	8°33	8°52	5°45	T 9
F 10	15 13 56	19°55'36	3ਰ 6	16° 6	2°16	10°57	18°39	8°36	25°20	0°16	4°23	8°50	8°30	8°59	5°49	F 10
S 11	15 17 53	20°53'24	16° 5	18°16	2°56	11°41	18°34	8°37	25°23	0°18	4°24	8°49	8°27	9° 6	5°52	S 11
S 12	15 21 50	21°51'12	29°19	20°26	3°34	12°25	18°28	8°38	25°27	0°20	4°25	8°48	8°23	9°12	5°56	S 12
M13	15 25 46	22°48'58	12≈51	22°37	4°11	13° 9	18°23	8°38	25°30	0°21	4°25	8°47	8°20	9°19	6° 0	M13
T 14	15 29 43	23°46'42	26°39	24°48	4°47	13°52	18°18	8°39	25°33	0°23	4°26	8°D47	8°17	9°26	6° 4	T 14
W15	15 33 39	24°44'26	10 <b>) (</b> 44	27° 0	5°21	14°36	18°13	8°39	25°36	0°24	4°27	8°47	8°14	9°32	6° 8	W15
T 16	15 37 36	25°42'09	25° 4	29°11	5°54	15°20	18° 8	8°39	25°39	0°26	4°28	8°48	8°11	9°39	6°12	T 16
F 17	15 41 32	26°39'51	9Υ38	1 <b>Ⅲ</b> 22	6°26	16° 3	18° 3	8°39	25°42	0°27	4°28	8°49	8° 8	9°46	6°17	F 17
S 18	15 45 29	27°37'31	24°21	3°32	6°56	16°47	17°58	8°R39	25°46	0°29	4°29	8°50	8° 4	9°52	6°21	S 18
S 19	15 49 25	28°35'11	9 <b>8</b> 7	5°41	7°25	17°30	17°54	8°39	25°49	0°30	4°30	8°R51	8° 1	9°59	6°25	S 19
M20	15 53 22	29°32'49	23°49	7°50	7°53	18°14	17°50	8°39	25°52	0°31	4°31	8°50	7°58	10° 6	6°30	M20
T 21	15 57 19	0Ⅲ30′26	8 <b>Ⅱ</b> 21	9°56	8°18	18°57	17°46	8°39	25°56	0°33	4°32	8°49	7°55	10°12	6°34	T 21
W22	16 1 15	1°28'02	22°36	12° 1	8°42	19°40	17°42	8°39	25°59	0°34	4°33	8°46	7°52	10°19	6°39	W22
T 23	16 5 12	2°25'37	6930	14° 4	9° 5	20°23	17°38	8°38	26° 2	0°35	4°34	8°43	7°48	10°26	6°44	T 23
F 24	16 9 8	3°23'11	20° 1	16° 5	9°25	21° 7	17°34	8°38	26° 6	0°37	4°35	8°39	7°45	10°32	6°49	F 24
S 25	16 13 5	4°20'43	3 <b>N</b> 7	18° 4	9°44	21°50	17°31	8°37	26° 9	0°38	4°36	8°36	7°42	10°39	6°54	S 25
S 26	16 17 1	5°18'13	15°50	20° 0	10° 1	22°33	17°28	8°36	26°12	0°39	4°37	8°34	7°39	10°46	6°59	S 26
M27	16 20 58	6°15'43	28°13	21°54	10°15	23°16	17°24	8°35	26°16	0°40	4°38	8°32	7°36	10°52	7° 4	M27
T 28	16 24 54	7°13'11	10 <b>m</b> /21	23°46	10°28	23°59	17°21	8°34	26°19	0°42	4°39	8°D32	7°33	10°59	7° 9	T 28
W29	16 28 51	8°10'38	22°17	25°35	10°39	24°42	17°19	8°33	26°23	0°43	4°40	8°33	7°29	11° 6	7°14	W29
T 30	16 32 48	9° 8'03	4 <b>Ω</b> 7	27°21	10°47	25°25	17°16	8°32	26°26	0°44	4°41	8°34	7°26	11°12	7°19	T 30
F 31	16 36 44	10 <b>II</b> 5'27	15 <b>≏</b> 56	29耳 5	10953	26 <b>8</b> 7	17 <b>≏</b> 14	8≈31	26耳30	0 <b>Υ</b> 45	4 <b>Ω</b> 42	8 <b>M</b> .36	7 <b>M</b> 23	11 <b>≏</b> 19	$7\Omega$ 25	F 31

Day	0	Ş	)	ζ	5	ς	?	ď	1	24		ħ	l.	)į	ξ(	ý	Ţ	Е	)	n	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
W 1	15n13	2n19	4 s 2 0	9n 5	1 s43	27n17	3n52	12n40	0 s 2 0	6s15	1n32	18s41	0s30	23n34	0n11	1 s 1 4	1 s21	24n56	5n54	14 s29	14 s31	5 s 3 7	12n23	6 s46
T 2	15 31	1 s39	3 37	9 54	1 35	27 18	3 53	12 56	0 19	6 13	1 32	18 40	0 31	23 34	0 11	1 13	1 21	24 56	5 54	14 29	14 30	5 39	12 23	6 46
F 3	15 49	5 33	2 45	10 42	1 27	27 20	3 53	13 11	0 19	6 10	1 32	18 40	0 31	23 34	0 11	1 12	1 21	24 56	5 54	14 29	14 29	5 40	12 24	6 45
S 4	16 6	9 15	1 46	11 31	1 18	27 20	3 53	13 26	0 18	6 8	1 32	18 40	0 31	23 34	0 11	1 12	1 21	24 56	5 54	14 29	14 28	5 42	12 24	6 44
S 5	16 24	12 37	0 42	12 20	1 9	27 21	3 53	13 41	0 17	6 6	1 31	18 40	0 31	23 34	0 11	1 11	1 21	24 55	5 54	14 29	14 27	5 44	12 24	6 43
M 6	16 40	15 29	0n25	13 9	0 59	27 21	3 52	13 56	0 17	6 4	1 31	18 39		23 34		1 11	1 21	24 55	5 54	14 29	14 26	5 46	12 24	6 43
T 7	16 57	17 42	1 31	13 58	0 50	27 20	3 51	14 11	0 16	6 2	1 31	18 39		23 35		1 10	1 21	24 55	5 54	14 29	14 25	5 48	12 24	6 42
W 8	17 13	19 7	2 34	14 47	0 40	27 19	3 51	14 26	0 16	5 59	1 31	18 39		23 35		1 9	1 21	24 55	5 53	14 29	14 23		12 23	6 41
T 9	17 29	19 38	3 30	15 35	0 30	27 17	3 49	14 40	0 15	5 57				23 35	0 11	1 9	1 21	24 54	5 53	14 29	14 22	5 52	12 23	6 40
F 10	17 45			16 23	0 19	27 15		14 55	0 14	5 55		18 39		23 35	0 11	1 8	1 21	24 54			14 21		12 23	6 40
S 11	18 0	17 40	4 52	17 9	0 9	27 13	3 46	15 9	0 14	5 53	1 30	18 39	0 32	23 35	0 11	1 7	1 21	24 54	5 53	14 28	14 20	5 56	12 23	6 39
S 12	18 15	15 14	5 12	17 55	0n 2	27 10	3 45	15 23	0 13	5 52	1 30	18 39	0 32	23 35	0 11	1 7	1 21	24 54	5 53	14 27	14 19	5 58	12 23	6 38
M13	18 30	11 56	5 16	18 39	0 12	27 7	3 43	15 37	0 12	5 50	1 30	18 39	0 32	23 35	0 11	1 6	1 21	24 54	5 53	14 27	14 18	6 0	12 23	6 37
T 14	18 45	7 55	5 1	19 22	0 23	27 3	3 40	15 50	0 12	5 48	1 30	18 39	0 32	23 35	0 11	1 6	1 21	24 53	5 53	14 27	14 17	6 2	12 22	6 37
W15	18 59	3 24	4 29	20 3	0 33	26 59	3 38	16 4	0 11	5 46	1 30	18 39	0 32	23 35	0 11	1 5	1 22	24 53	5 53	14 27	14 16	6 4	12 22	6 36
T 16	19 13	1n24	3 39	20 43	0 43	26 55	3 35	16 17	0 10	5 45	1 29	18 39	0 32	23 36	0 11	1 5	1 22	24 53	5 53	14 27	14 15	6 6	12 22	6 35
F 17	19 26	6 12	2 35	21 20	0 53	26 50	3 31	16 31	0 10	5 43	1 29	18 39	0 33	23 36	0 11	1 4	1 22	24 52	5 53	14 28	14 14	6 7	12 21	6 34
S 18	19 40	10 41	1 19	21 55	1 2	26 45	3 28	16 44	0 9	5 41	1 29	18 39	0 33	23 36	0 11	1 3	1 22	24 52	5 53	14 28	14 13	6 9	12 21	6 34
S 19	19 53	14 32	0 s 1	22 28	1 11	26 40	3 24	16 57	0 9	5 40	1 29	18 39	0 33	23 36	0 11	1 3	1 22	24 52	5 53	14 28	14 12	6 11	12 21	6 33
M20	20 5	17 26	1 22	22 58	1 20	26 34	3 20	17 9	0 8	5 39	1 28	18 39	0 33	23 36	0 11	1 2	1 22	24 52	5 52	14 28	14 11	6 13	12 20	6 32
T 21	20 17	19 10	2 36	23 25	1 28	26 28	3 15	17 22	0 7	5 37	1 28	18 40	0 33		0 11	1 2	1 22		5 52	14 28	14 10	6 15	12 20	6 32
W22	20 29	19 38	3 38	23 50	1 35	26 21	3 11	17 34	0 7	5 36	1 28	18 40	0 33	23 36	0 11	1 1	1 22	24 51	5 52	14 27	14 9	6 17	12 19	6 31
T 23		18 53	-	24 12	1 42		3 5		0 6	5 35	1 28	18 40	0 33		-	1 1	1 22	24 51		14 26	-	6 19	12 19	6 30
F 24	20 52			24 32	1 48				0 5	5 34	1 27	18 40		23 36				24 50		14 25			12 18	6 30
S 25	21 3	14 25	5 13	24 49	1 53	26 1	2 54	18 11	0 5	5 33	1 27	18 41	0 34	23 37	0 11	1 0	1 22	24 50	5 52	14 23	14 6	6 23	12 18	6 29
S 26	21 13	11 9	5 12	25 3	1 57	25 53	2 48	18 22	0 4	5 31	1 27	18 41	0 34	23 37	0 11	1 0	1 22	24 50	5 52	14 23	14 5	6 25	12 17	6 28
M27	21 23	7 29	4 56		2 1			18 34	0 3	5 31	1 27	18 41		23 37	0 11	0 59			5 52	14 22	14 4		12 17	6 28
T 28	21 33	3 34	4 27					18 45	0 3	5 30				23 37	0 11			24 49		14 22			12 16	6 27
W29	21 42	0 s25	-	25 30				18 56	0 2	5 29		18 42		23 37	0 11	0 58		24 49		14 22			12 15	6 26
T 30	21 51	4 22		25 35					0 1	5 28				23 37	0 11	0 58		24 49		14 23			12 15	6 26
F 31	22n 0	8s 9	2 s 1	25n37	2n 8	25n12	2n10	19n18	0s 1	5 s27	1n26	18 s43	0s34	23n37	0n11	0s58	1 s22	24n48	5n52	14 s23	14s 0	6s34	12n14	6 s25

Julian Day Number = 2340997.5, Delta T = 15.26 sec Ecliptic obliquity = 23°28'36, Nutation =  $0^\circ00'10$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ30'55$ , Lahiri =  $19^\circ37'55$ Greg. Calendar

JUNE 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	ស	Ω	Ç	Ŗ	Day
S 1	16 40 41	11 <b>II</b> 2'51	27 <b>≏</b> 48	0946	10958	26 <b>8</b> 50	17°R11	8°R30	26П33	<b>0</b> Υ46	4 <b>Ω</b> 43	8 <b>M</b> .37	7 <b>M</b> 20	11 <b>≏</b> 26	7 <b>Ω</b> 30	S 1
S 2	16 44 37	12° 0'13	9 <b>M</b> .47	2°24	10°R59	27°33	17 <b>♀</b> 9	8≈28	26°37	0°47	4°44	8°R38	7°17	11°32	7°35	S 2
M 3	16 48 34	12°57'34	21°57	4° 0	10°59	28°15	17° 8	8°27	26°40	0°48	4°45	8°37	7°14	11°39	7°41	M 3
T 4	16 52 30	13°54'54	4 <b>₹</b> 19	5°32	10°56	28°58	17° 6	8°25	26°44	0°49	4°47	8°35	7°10	11°46	7°47	T 4
W 5	16 56 27	14°52'14	16°56	7° 2	10°50	29°40	17° 4	8°24	26°47	0°50	4°48	8°30	7° 7	11°52	7°52	W 5
T 6	17 0 23	15°49'33	29°47	8°29	10°42	0П23	17° 3	8°22	26°51	0°51	4°49	8°25	7° 4	11°59	7°58	T 6
F 7	17 4 20	16°46'51	12 <b>る</b> 53	9°54	10°32	1° 5	17° 2	8°20	26°54	0°52	4°50	8°19	7° 1	12° 6	8° 4	F 7
S 8	17 8 17	17°44'08	26°13	11°15	10°20	1°48	17° 1	8°18	26°58	0°52	4°52	8°13	6°58	12°12	8°10	S 8
S 9	17 12 13	18°41'25	9≈46	12°34	10° 5	2°30	17° 0	8°16	27° 1	0°53	4°53	8° 7	6°54	12°19	8°16	S 9
M10	17 16 10	19°38'42	23°29	13°49	9°47	3°12	16°59	8°14	27° 5	0°54	4°54	8° 3	6°51	12°25	8°22	M10
T 11	17 20 6	20°35'58	7 <b>∺</b> 23	15° 2	9°28	3°54	16°59	8°12	27° 9	0°55	4°56	8° 0	6°48	12°32	8°28	T 11
W12	17 24 3	21°33'14	21°26	16°11	9° 6	4°37	16°59	8°10	27°12	0°55	4°57	8°D 0	6°45	12°39	8°34	W12
T 13	17 27 59	22°30'30	5 <b>Υ</b> 36	17°17	8°42	5°19	16°D58	8° 7	27°16	0°56	4°58	8° 0	6°42	12°45	8°40	T 13
F 14	17 31 56	23°27'45 24°25'00	19°51 4 <b>8</b> 11	18°20 19°20	8°16 7°48	6° 1	16°59	8° 5 8° 2	27°19 27°23	0°57 0°57	5° 0 5° 1	8° 1	6°39 6°35	12°52 12°59	8°47 8°53	F 14 S 15
S 15	17 35 52		_			6°43	16°59					8°R 2				
S 16	17 39 49	25°22'15	18°32	20°17	7°18	7°25	16°59	8° 0	27°26	0°58	5° 2	8° 2	6°32	13° 5	8°59	S 16
M17	17 43 46	26°19'30	2 <b>II</b> 50	21°10	6°46	8° 7	17° 0	7°57	27°30	0°59	5° 4	7°59	6°29	13°12	9° 6	M17
T 18	17 47 42	27°16'45	17° 1	21°59	6°14	8°48	17° 1	7°54	27°34	0°59	5° 5	7°55	6°26	13°19	9°12	T 18
W19	17 51 39	28°14'00	0959	22°45	5°39	9°30	17° 2	7°51	27°37	1° 0	5° 7	7°48	6°23	13°25	9°19	W19
T 20	17 55 35	29°11'14	14°42	23°27	5° 4	10°12	17° 3	7°48	27°41	1° 0	5° 8	7°40	6°20	13°32	9°25	T 20
F 21 S 22	17 59 32 18 3 28	09 8'27 1° 5'40	28° 5 11 <b>Ω</b> 8	24° 5 24°39	4°28 3°51	10°54 11°35	17° 4 17° 6	7°45 7°42	27°44 27°48	1° 0 1° 1	5°10 5°11	7°32 7°23	6°16 6°13	13°39 13°45	9°32 9°39	F 21 S 22
S 23	18 7 25	2° 2'53	23°50	25° 9	3°14	12°17	17° 7	7°39	27°52	1° 1	5°13	7°16	6°10	13°52	9°45	S 23
M24	18 11 22	3° 0'06	6 <b>m</b> 13	25°34	2°36	12°58	17° 9	7°36	27°55	1° 1	5°14	7°10	6° 7	13°59	9°52	M24
T 25	18 15 18	3°57'17	18°21	25°56	1°59	13°40	17°11	7°33	27°59	1° 2	5°16	7° 7	6° 4	14° 5	9°59	T 25
W26	18 19 15	4°54'29	0 <u>₽</u> 17	26°13	1°21	14°21	17°14	7°29	28° 2	1° 2	5°17	7°D 6	6° 0	14°12	10° 6	W26
T 27	18 23 11	5°51'40	12° 7	26°25	0°45	15° 3	17°16	7°26	28° 6	1° 2	5°19	7° 6	5°57	14°19	10°13	T 27
F 28	18 27 8	6°48'51	23°57	26°33	0° 9	15°44	17°18	7°23	28°10	1° 2	5°20	7° 6	5°54	14°25	10°20	F 28
S 29	18 31 4	7°46'02	5 <b>M</b> .51	26°R36	29∏34	16°25	17°21	7°19	28°13	1° 3	5°22	7°R 7	5°51	14°32	10°27	S 29
S 30	18 35 1	89543'12	17 <b>M</b> 54	26934	29耳 0	17 <b>I</b> 6	17 <b>≏</b> 24	7≈16	28 <b>Ⅱ</b> 17	1 <b>Υ</b> 3	5 <b>Ω</b> 24	7 <b>M</b> 6	5 <b>M</b> 48	14 <b>₽</b> 39	10 <b>Ω</b> 34	S 30

Day	0	D		ğ	i	Q		o	7	2	ł	ŧ	<u> </u>	)	ţ(	4	ſ	Е	2	r	Ω	Ç	ď	
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 8	11s38	0s59	25n37	2n 8	25n 3	2n 2	19n29	0s 0	5 s27	1n25	18 s43	0 s35	23n37	0n11	0s57	1 s22	24n48	5n52	14 s24	13 s59	6s36	12n13	6 s25
S 2	22 16	14 40	0n 6	25 35	2 7	24 53	1 52	19 39	0n 1	5 26	1 25	18 44	0 35	23 37	0 11	0 57	1 22	24 47	5 52	14 24	13 58	6 38	12 13	6 24
M 3	22 23	17 7	1 12	25 31	2 6	24 44	1 43	19 49	0 1	5 26	1 25	18 44	0 35	23 37	0 11	0 57	1 22	24 47	5 52	14 24	13 57	6 40	12 12	6 23
T 4				25 25	2 3			19 59	0 2	5 25	1 25			23 38		0 56				14 23			12 11	6 23
W 5			-	25 17	2 0				0 3	5 25	1 24			23 38		0 56	1 23	-		14 22			12 10	6 22
T 6	22 43		-	25 8	1 56			20 19	0 3	5 25	1 24		0 35			0 56	1 23	-		14 20		6 45		6 22
F 7		-	-	24 58	1 52		-	20 28	0 4	5 25	1 24			23 38		0 55		24 46		14 18		6 47		6 21
S 8	22 55	15 58	5 3	24 46	1 46	23 53	0 49	20 38	0 4	5 24	1 24	18 47	0 35	23 38	0 11	0 55	1 23	24 45	5 51	14 16	13 52	6 49	12 7	6 20
S 9	23 0	12 51	5 10	24 33	1 40	23 42	0 37	20 47	0 5	5 24	1 23	18 48	0 36	23 38	0 11	0 55	1 23	24 45	5 51	14 14	13 50	6 51	12 6	6 20
M10	23 4	9 0	4 59	24 19	1 34		-	20 55	0 6	5 24	1 23	18 49		23 38		0 54	1 23	-		14 13	-	6 53		6 19
T 11	23 9			24 3	1 26				0 6	5 24	1 23			23 38		0 54	1 23			14 12		6 55		6 19
W12	23 12			23 47	1 18		0 s 2		0 7	5 25	1 23			23 38		0 54	1 23	24 44		14 12		6 57		6 18
T 13	23 16			23 30	1 9		0 15		0 8	5 25	1 22		0 36			0 54	1 23			14 12		6 58		6 18
F 14	23 19			23 13	1 0	-		21 29	0 8	5 25	1 22			23 38		0 54	1 23	-		14 12		7 0		6 17
S 15	23 22	13 16	0 21	22 54	0 50	22 32	0 42	21 37	0 9	5 25	1 22	18 52	0 36	23 39	0 11	0 53	1 23	24 43	5 51	14 13	13 44	7 2	12 0	6 17
S 16	23 24	16 28	0s56	22 35	0 39	22 20	0 56	21 44	0 10	5 26	1 21	18 53	0 37	23 39	0 11	0 53	1 23	24 42	5 51	14 12	13 43	7 4	11 59	6 16
M17	-		-	22 16	0 28		1 11	-	0 10		1 21	18 54		23 39		0 53	1 23			14 12	-		11 58	6 16
_				21 57		21 55		21 59	0 11	5 27	1 21	18 55		23 39		0 53	1 23			14 10			11 57	6 15
				21 37		21 42			0 12	5 28	1 21			23 39		0 53	1 23		5 51		-		11 55	6 15
T 20	-			21 17		21 30		22 13	0 12	5 28	1 20		0 37			0 53			5 51			7 11		6 14
F 21 S 22				20 58	0 22			22 20 22 26	0 13 0 14	5 29 5 30	1 20 1 20		0 37	23 39 23 39		0 52	1 23 1 23		5 51 5 51		13 38 13 37		11 53	6 14 6 13
	23 28	12 33	3 0	20 38	0 36	21 4	2 21	22 20	0 14	3 30	1 20	18 38	0 3/	25 39	0 12	0 52	1 23	24 40	3 31	14 0	13 3/	/ 13	11 52	0 13
S 23	23 28		-	20 19		20 51		22 32	0 14	5 31		18 59		23 39		0 52	1 23			13 57			11 50	6 13
M24	23 27		-	20 0	1 5			22 38	0 15	5 32	1 19		0 38			0 52				13 56			11 49	6 12
T 25	23 25			19 41	1 20		3 1		0 16		1 19	-		23 39		0 52	1 24			13 55			11 48	6 12
W26	23 23			19 23	1 35			22 49	0 16		1 19	-	0 38			0 52	1 24	24 38		13 54			11 46	6 11
T 27	23 21		2 10	-	1 51			22 55	0 17	5 35	1 18		0 38			0 52	1 24			13 54			11 45	6 11
F 28 S 29	-		-	18 49 18 33	2 6	19 50 19 39	3 38 3 50		0 17 0 18	5 36 5 38	1 18 1 18			23 39 23 39		0 52 0 52		24 38 24 37		13 54 13 55			11 44 11 42	6 11 6 10
S 30	23n11	16s16	0n57	18n18	2 s 3 7	19n28	4s 1	23n10	0n19	5 s 3 9	1n18	19s 6	0 s 3 8	23n40	0n12	0 s52	1 s24	24n37	5n51	13 s54	13 s28	7 s 3 0	11n41	6 s 1 0

Julian Day Number = 2341028.5, Delta T = 15.23 sec Ecliptic obliquity = 23°28'35, Nutation =  $0^\circ00'10$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ30'59$ , Lahiri =  $19^\circ38'00$ Greg. Calendar

JULY 1697 GC 00:00 UT

UUL	. 1037	uc													00.00	0 0 1
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥.	Р	ស	Ω	Ç	Ŗ	Day
M 1	18 38 57	99540'22	0 <b>才</b> 10	26°R28	28°R28	17 <b>∏</b> 47	17 <b>♀</b> 27	7°R12	28Ⅲ20	1 <b>Y</b> 3	5 <b>Ω</b> 25	7°R 4	5 <b>M</b> .45	14 <b>Ω</b> 45	10 <b>Ω</b> 41	M 1
T 2	18 42 54	10°37'32	12°43	269517	27 <b>Ⅲ</b> 57	18°28	17°30	7≈ 8	28°24	1° 3	5°27	6 <b>M</b> 59	5°41	14°52	10°48	T 2
W 3	18 46 51	11°34'43	25°36	26° 1	27°28	19° 9	17°34	7° 4	28°27	1°R 3	5°28	6°52	5°38	14°59	10°55	W 3
T 4	18 50 47	12°31'53	8 <b>궁</b> 47	25°42	27° 0	19°50	17°37	7° 1	28°31	1° 3	5°30	6°43	5°35	15° 5	11° 3	T 4
F 5	18 54 44	13°29'03	22°17	25°18	26°35	20°31	17°41	6°57	28°34	1° 3	5°32	6°32	5°32	15°12	11°10	F 5
S 6	18 58 40	14°26'14	6≈ 2	24°50	26°12	21°12	17°45	6°53	28°38	1° 3	5°33	6°22	5°29	15°19	11°17	S 6
S 7	19 2 37	15°23'25	20° 0	24°19	25°51	21°53	17°49	6°49	28°41	1° 3	5°35	6°12	5°26	15°25	11°25	S 7
M 8	19 633	16°20'36	4 <b>)</b> € 5	23°45	25°32	22°34	17°53	6°45	28°45	1° 3	5°37	6° 4	5°22	15°32	11°32	M 8
T 9	19 10 30	17°17'48	18°14	23° 9	25°16	23°15	17°58	6°41	28°48	1° 2	5°38	5°59	5°19	15°39	11°39	T 9
W10	19 14 26	18°15'00	2 <b>Υ</b> 25	22°31	25° 2	23°55	18° 2	6°37	28°52	1° 2	5°40	5°56	5°16	15°45	11°47	W10
T 11	19 18 23	19°12'13	16°35	21°51	24°50	24°36	18° 7	6°33	28°55	1° 2	5°42	5°D55	5°13	15°52	11°54	T 11
F 12	19 22 20	20° 9'27	0842	21°11	24°41	25°16	18°12	6°29	28°59	1° 2	5°43	5°R56	5°10	15°58	12° 2	F 12
S 13	19 26 16	21° 6'41	14°45	20°31	24°34	25°57	18°17	6°24	29° 2	1° 1	5°45	5°55	5° 6	16° 5	12° 9	S 13
S 14	19 30 13	22° 3'56	28°45	19°51	24°30	26°37	18°22	6°20	29° 5	1° 1	5°47	5°54	5° 3	16°12	12°17	S 14
M15	19 34 9	23° 1'13	12 <b>Ⅲ</b> 38	19°13	24°D28	27°18	18°27	6°16	29° 9	1° 1	5°49	5°50	5° 0	16°18	12°25	M15
T 16	19 38 6	23°58'29	26°24	18°38	24°28	27°58	18°33	6°12	29°12	1° 0	5°50	5°43	4°57	16°25	12°32	T 16
W17	19 42 2	24°55'47	9959	18° 5	24°31	28°39	18°38	6° 7	29°15	1° 0	5°52	5°34	4°54	16°32	12°40	W17
T 18	19 45 59	25°53'05	23°22	17°35	24°36	29°19	18°44	6° 3	29°19	0°59	5°54	5°22	4°51	16°38	12°47	T 18
F 19	19 49 55	26°50'24	6 <b>Ω</b> 29	17°10	24°43	29°59	18°50	5°59	29°22	0°59	5°56	5°10	4°47	16°45	12°55	F 19
S 20	19 53 52	27°47'43	19°21	16°49	24°52	0939	18°56	5°54	29°25	0°58	5°57	4°57	4°44	16°52	13° 3	S 20
S 21	19 57 49	28°45'03	1 <b>m</b> 55	16°33	25° 3	1°19	19° 2	5°50	29°29	0°58	5°59	4°46	4°41	16°58	13°11	S 21
M22	20 1 45	29°42'23	14°13	16°22	25°17	1°59	19° 8	5°45	29°32	0°57	6° 1	4°38	4°38	17° 5	13°18	M22
T 23	20 5 42	0 <b>Ω</b> 39'44	26°18	16°D17	25°32	2°39	19°15	5°41	29°35	0°57	6° 3	4°31	4°35	17°12	13°26	T 23
W24	20 9 38	1°37'05	8 <b>亞</b> 13	16°18	25°49	3°19	19°21	5°36	29°38	0°56	6° 4	4°28	4°31	17°18	13°34	W24
T 25	20 13 35	2°34'27	20° 2	16°25	26° 8	3°59	19°28	5°32	29°41	0°55	6° 6	4°26	4°28	17°25	13°42	T 25
F 26	20 17 31	3°31'50	1 <b>M</b> .51	16°38	26°29	4°39	19°35	5°28	29°45	0°55	6° 8	4°26	4°25	17°32	13°50	F 26
S 27	20 21 28	4°29'13	13°44	16°58	26°52	5°19	19°42	5°23	29°48	0°54	6°10	4°26	4°22	17°38	13°57	S 27
S 28	20 25 24	5°26'37	25°48	17°23	27°16	5°59	19°49	5°19	29°51	0°53	6°11	4°25	4°19	17°45	14° 5	S 28
M29	20 29 21	6°24'02	8 <b>7</b> 8	17°56	27°42	6°38	19°56	5°14	29°54	0°53	6°13	4°22	4°16	17°52	14°13	M29
T 30	20 33 18	7°21'27	20°47	18°34	28° 9	7°18	20° 4	5°10	29°57	0°52	6°15	4°17	4°12	17°58	14°21	T 30
W31	20 37 14	8 <b>Ω</b> 18'53	3 <b>ح</b> 49	199519	28耳38	7957	20 <b>₽</b> 11	5≈ 5	29∏59	0 <b>Υ</b> 51	6 <b>Ω</b> 17	4M 9	4M 9	18 <b>♀</b> 5	$14\Omega_{29}$	W31

Day	0	D		ğ	i	φ		ď	7	2	ł	ŧ		);	ľ(	<del>,</del>	(	Е	)	n	Ω	Ç	Š	;
	decl	decl lat	t	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	23n 7 23 3		-	18n 4 17 52	2 s 5 2 3 7	19n17	-	23n14 23 18	0n19 0 20	5 s40 5 42		19s 7 19 8		23n40 23 40		0s52 0 52	-	24n36 24 36		13 s54 13 52			11n39 11 38	6s 9
W 3	22 58			17 40	3 22	-,		23 23	0 20	5 43	1 17			23 40		0 52				13 50			11 36	6 9
T 4	22 53		-	17 30	3 36		4 38		0 21	5 45	1 17	19 10	0 39		0 12	0 52	1 24	24 35		13 47			11 34	6 8
F 5 S 6	-	16 48 4 13 54 5	-	17 21 17 14	3 49 4 2	-	4 46 4 54		0 22 0 23	5 47 5 48	1 16 1 16		0 39 0 39	23 40 23 40		0 52 0 52	1 24 1 24			13 43 13 40			11 33 11 31	6 8 6 8
S 7	22 35	10 11 4	1 54	17 8	4 13	18 24	5 0	23 37	0 23	5 50	1 16	19 14	0 39	23 40	0 12	0 52	1 24	24 34	5 51	13 37	13 21	7 42	11 30	6 7
M 8	22 28				4 24			23 40	0 24	5 52			0 39			0 52				13 34			11 28	6 7
T 9 W10	22 21		3 45		4 33 4 40	-	5 12		0 25 0 25	5 54 5 56	-	19 16 19 17		23 40 23 40		0 53				13 32			11 26 11 25	6 7
T 11	22 14 22 6			16 59 16 59	4 40	-	5 17 5 21	23 48	0 25	5 58	-			23 40		0 53 0 53				13 31 13 31			11 23	6 6
F 12	21 58			17 1	4 51	-	5 25		0 26	6 0	-	19 19		23 40		0 53	1 25	-		13 31			11 21	6 6
S 13	21 49	15 33 0	)s47	17 4	4 54	17 54	5 28	23 52	0 27	6 2	1 14	19 21	0 40	23 40	0 12	0 53	1 25	24 32	5 51	13 31	13 15	7 53	11 19	6 5
S 14	21 40		1 58			17 51	5 31		0 28	6 4		19 22		23 40		0 53		24 31		13 30			11 18	6 5
M15 T 16	_	19 21 3 19 32 3		17 14 17 21	4 55 4 52		5 33 5 35		0 28 0 29	6 6	1 14 1 13		0 40 0 40			0 53 0 54	1 25 1 25	_		13 29 13 27	-		11 16 11 14	6 5
W17				17 29	4 49		5 37		0 29	6 11	-		0 40			0 54	1 25			13 24			11 14	6 4
T 18	21 0			17 38	4 43		5 38		0 30	6 14	1 13		0 40			0 54	1 25			13 20		-	11 10	6 4
F 19		13 49 5		17 48	4 36		5 38		0 31	6 16				23 40		0 54	1 25			13 16		-	11 8	6 4
S 20	20 38	10 25 4	1 52	17 59	4 28	17 45	5 38	24 0	0 32	6 18	1 12	19 29	0 40	23 40	0 12	0 55	1 25	24 29	5 51	13 12	13 7	8 6	11 7	6 3
S 21	20 27			18 11		17 45	5 38		0 32	6 21		19 30				0 55	1 25		5 51			8 8		6 3
M22 T 23	20 15			18 23	4 7		5 38		0 33	6 24		19 31				0 55	1 25		5 51			8 9	_	6 3
W24	20 2 19 50	-		18 35 18 48	3 55 3 42		5 37 5 35		0 33 0 34	6 26 6 29		19 32 19 33	0 41	23 40 23 40		0 55 0 56	1 25 1 25		5 51 5 52		13 4 13 3	8 11	10 59	6 3
T 25	19 37			19 1	3 29		5 34		0 35	6 32				23 41	0 12	0 56			5 52		13 2		10 57	6 2
F 26	19 24	12 21 0	) 14	19 13	3 14	17 54	5 32	23 59	0 35	6 35	1 11	19 36	0 41	23 41	0 12	0 56	1 25	24 26	5 52	13 1	13 1	8 16	10 55	6 2
S 27	19 10	15 12 0	)n49	19 26	3 0	17 56	5 30	23 58	0 36	6 37	1 11	19 37	0 41	23 41	0 12	0 57	1 25	24 26	5 52	13 1	13 0	8 18	10 53	6 2
S 28				19 38		17 59	5 28		0 37	6 40		19 38		23 41	0 12	0 57			5 52	-	12 59		10 51	6 2
M29				19 49	2 29		5 25		0 37	6 43	1 10			23 41	0 12	0 57	1 25		5 52		12 58		10 49	6 2
T 30 W31			3 39	20 0 20n 9	2 13	18 5 18n 9	-	23 54 23n53	0 38 0n39	6 46 6s49	-	19 41 19 s42		23 41 23n41	0 12 0n12	0 58 0s58	1 25	24 25 24n24		12 58	12 57 12 s55	-	10 47 10n45	6 2
VV31	10013	198 5 4	+1120	2011 9	1 83 /	1011 9	3820	231133	01139	0849	1110	19842	0841	23041	0017	0838	1 823	241124	31132	12833	12833	0 SZ3	101145	6s 1

Julian Day Number = 2341058.5, Delta T = 15.20 sec Ecliptic obliquity = 23°28'35, Nutation =  $0^\circ00'10$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ31'03$ , Lahiri =  $19^\circ38'04$ Greg. Calendar

AUGUST 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)Å(	并	Р	n	ນ	Ç	ķ	Day
T 1	20 41 11	9Ω16'20	17 <b>る</b> 15	20910	29耳 9	8937	20 <b>≏</b> 19	5°R 1	099 3	0°R50	6 <b>Ω</b> 18	3°R59	4M 6	18 <b>≏</b> 12	14 <b>Ω</b> 37	T 1
F 2	20 45 7	10°13'48	1≈ 4	21° 7	29°40	9°16	20°27	4≈56	0° 6	0 <b>Υ</b> 49	6°20	3 <b>M</b> .48	4° 3	18°18	14°45	F 2
S 3	20 49 4	11°11'17	15°13	22°10	09514	9°56	20°34	4°52	0° 9	0°48	6°22	3°36	4° 0	18°25	14°53	S 3
S 4	20 53 0	12° 8'47	29°36	23°19	0°48	10°35	20°42	4°48	0°12	0°47	6°24	3°26	3°57	18°31	15° 1	S 4
M 5	20 56 57	13° 6'18	14 <b>) </b> 7	24°33	1°24	11°15	20°51	4°43	0°14	0°46	6°25	3°17	3°53	18°38	15° 9	M 5
T 6	21 0 53	14° 3'50	28°39	25°53	2° 1	11°54	20°59	4°39	0°17	0°45	6°27	3°11	3°50	18°45	15°17	T 6
W 7	21 4 50	15° 1'24	13 <b>°</b> 7	27°19	2°39	12°33	21° 7	4°34	0°20	0°44	6°29	3° 8	3°47	18°51	15°24	W 7
T 8	21 8 47	15°58'59	27°28	28°49	3°19	13°12	21°16	4°30	0°23	0°43	6°31	3°D 7	3°44	18°58	15°32	T 8
F 9	21 12 43	16°56'36	11 <b>8</b> 38	$0\Omega 23$	3°59	13°51	21°24	4°26	0°26	0°42	6°32	3°R 7	3°41	19° 5	15°40	F 9
S 10	21 16 40	17°54'14	25°36	2° 2	4°41	14°31	21°33	4°22	0°28	0°41	6°34	3° 7	3°37	19°11	15°48	S 10
S 11	21 20 36	18°51'54	9П23	3°45	5°23	15°10	21°42	4°17	0°31	0°40	6°36	3° 5	3°34	19°18	15°56	S 11
M12	21 24 33	19°49'36	22°58	5°31	6° 7	15°49	21°51	4°13	0°34	0°39	6°38	3° 1	3°31	19°25	16° 4	M12
T 13	21 28 29	20°47'19	69522	7°20	6°51	16°28	22° 0	4° 9	0°36	0°38	6°39	2°55	3°28	19°31	16°12	T 13
W14	21 32 26	21°45'04	19°34	9°12	7°36	17° 6	22° 9	4° 5	0°39	0°36	6°41	2°46	3°25	19°38	16°20	W14
T 15	21 36 22	22°42'50	$2\Omega_{35}$	11° 6	8°23	17°45	22°18	4° 1	0°41	0°35	6°43	2°35	3°22	19°45	16°28	T 15
F 16	21 40 19	23°40'38	15°23	13° 2	9°10	18°24	22°27	3°57	0°44	0°34	6°45	2°23	3°18	19°51	16°36	F 16
S 17	21 44 16	24°38'27	27°58	14°59	9°57	19° 3	22°37	3°52	0°46	0°33	6°46	2°12	3°15	19°58	16°44	S 17
S 18	21 48 12	25°36'18	10 <b>m</b> /19	16°58	10°46	19°41	22°46	3°48	0°49	0°31	6°48	2° 1	3°12	20° 5	16°52	S 18
M19	21 52 9	26°34'10	22°29	18°57	11°35	20°20	22°56	3°45	0°51	0°30	6°50	1°53	3° 9	20°11	17° 0	M19
T 20	21 56 5	27°32'03	4 <b>≏</b> 28	20°57	12°25	20°59	23° 6	3°41	0°53	0°29	6°51	1°47	3° 6	20°18	17° 8	T 20
W21	22 0 2	28°29'58	16°20	22°56	13°16	21°37	23°16	3°37	0°56	0°27	6°53	1°43	3° 3	20°24	17°16	W21
T 22	22 3 58	29°27'54	28° 7	24°56	14° 8	22°16	23°25	3°33	0°58	0°26	6°55	1°D42	2°59	20°31	17°23	T 22
F 23	22 7 55	0 <b>m</b> 25'51	9 <b>M</b> .54	26°55	15° 0	22°54	23°36	3°29	1° 0	0°25	6°56	1°42	2°56	20°38	17°31	F 23
S 24	22 11 51	1°23'50	21°46	28°54	15°52	23°32	23°46	3°26	1° 2	0°23	6°58	1°43	2°53	20°44	17°39	S 24
S 25	22 15 48	2°21'51	3 <b>∡</b> 149	0 <b>m</b> 52	16°46	24°11	23°56	3°22	1° 5	0°22	7° 0	1°R43	2°50	20°51	17°47	S 25
M26	22 19 44	3°19'52	16° 7	2°49	17°40	24°49	24° 6	3°18	1° 7	0°21	7° 1	1°42	2°47	20°58	17°55	M26
T 27	22 23 41	4°17'55	28°46	4°45	18°34	25°27	24°16	3°15	1° 9	0°19	7° 3	1°39	2°43	21° 4	18° 3	T 27
W28	22 27 38	5°16'00	11 <b>궁</b> 50	6°40	19°29	26° 5	24°27	3°11	1°11	0°18	7° 4	1°34	2°40	21°11	18°10	W28
T 29	22 31 34	6°14'06	25°21	8°34	20°25	26°43	24°37	3° 8	1°13	0°16	7° 6	1°27	2°37	21°18	18°18	T 29
F 30	22 35 31	7°12'13	9≈19	10°28	21°21	27°21	24°48	3° 5	1°15	0°15	7° 8	1°19	2°34	21°24	18°26	F 30
S 31	22 39 27	8 Mp 10'22	23≈41	12 Mp 20	229517	27959	24 <b>≏</b> 59	3≈ 2	19917	0 <b>Υ</b> 13	7 <b>N</b> 9	1 <b>M</b> .11	2 <b>M</b> 31	21 <b>≏</b> 31	18 <b>Ω</b> 34	S 31

Day	0	D		ğ	Q	1	ð		2	ŀ	ŧ		)	ţ(	<del>1</del> 4	(	В		n	v	Ç	Ł	
	decl	decl lat	decl	lat	decl	lat	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n58		n48 20n18		_	5 s 16 2		0n39	6 s 5 2	1n10		0 s42	23n41			1 s26	24n24			12 s54		10n42	6s 1
F 2	17 42	15 4 5	1 20 25	1 25				0 40	6 56	1 9	19 44	0 42	-		0 59	1 26	24 24			12 53		10 40	6 1
S 3	17 27	11 36 4	55 20 30	1 9	18 19	5 10 2	3 47	0 40	6 59	1 9	19 45	0 42	23 41	0 12	0 59	1 26	24 23	5 52	12 44	12 52	8 31	10 38	6 1
S 4	17 11	7 24 4	31 20 34	0 54	18 22	5 6 2	3 44	0 41	7 2	1 9	19 46	0 42	23 41	0 12	1 0	1 26	24 23	5 52	12 41	12 51	8 32	10 36	6 1
M 5	16 55	2 45 3	49 20 36	0 39	18 26	5 2 2	3 42	0 42	7 5	1 9	19 47	0 42	23 41	0 12	1 0	1 26	24 23	5 52	12 38	12 50	8 34	10 34	6 1
T 6	16 38	2n 5 2	52 20 36	0 25	18 30	4 58 2	3 39	0 42	7 8	1 9	19 49	0 42	23 41	0 12	1 1	1 26	24 22	5 52	12 36	12 49	8 36	10 32	6 1
W 7	16 21	6 47 1	44 20 33	0 11	18 33	4 54 2	3 36	0 43	7 12	1 8	19 50	0 42	23 41	0 12	1 1	1 26	24 22	5 53	12 35	12 48	8 38	10 30	6 1
T 8	16 4	11 3 0	30 20 29	0n 3	18 36	4 50 2	3 33	0 44	7 15	1 8	19 51	0 42	23 41	0 12	1 1	1 26	24 21	5 53	12 34	12 47	8 39	10 27	6 1
F 9	15 47	14 38 09	s45 20 21	0 16	18 40	4 45 2	3 29	0 44	7 19	1 8	19 52	0 42	23 41	0 12	1 2	1 26	24 21	5 53	12 34	12 46	8 41	10 25	6 0
S 10	15 29	17 18 1	56 20 11	0 28	18 43	4 41 2	3 26	0 45	7 22	1 8	19 53	0 42	23 41	0 12	1 2	1 26	24 21	5 53	12 34	12 45	8 43	10 23	6 0
S 11	15 12	18 56 3	0 19 59	0 39	18 46	4 36 2	3 22	0 45	7 25	1 8	19 54	0 42	23 41	0 12	1 3	1 26	24 20	5 53	12 34	12 44	8 45	10 21	6 0
M12	14 53	19 26 3	52 19 43	0 49	18 49	4 32 2	3 18	0 46	7 29	1 7	19 55	0 42	23 41	0 12	1 3	1 26	24 20	5 53	12 32	12 42	8 46	10 18	6 0
T 13	14 35	18 49 4	31 19 25	0 59	18 51	4 27 2	3 14	0 47	7 32	1 7	19 56	0 42	23 41	0 12	1 4	1 26	24 20	5 53	12 30	12 41	8 48	10 16	6 0
W14	14 17	17 11 4	54 19 4	1 8	18 54	4 22 2	3 10	0 47	7 36	1 7	19 57	0 42	23 41	0 12	1 4	1 26	24 19	5 53	12 27	12 40	8 50	10 14	6 0
T 15	13 58	14 42 5	2 18 41	1 15	18 56	4 17 2	3 5	0 48	7 40	1 7	19 58	0 42	23 41	0 12	1 5	1 26	24 19	5 53	12 23	12 39	8 51	10 12	6 0
F 16	13 39	11 33 4	55 18 15	1 22	18 58	4 12 2	3 1	0 49	7 43	1 7	19 59	0 43	23 41	0 12	1 5	1 26	24 19	5 54	12 19	12 38	8 53	10 9	6 0
S 17	13 20	7 56 4	33 17 46	1 28	19 0	4 7 2	2 56	0 49	7 47	1 6	20 0	0 43	23 41	0 12	1 6	1 26	24 18	5 54	12 15	12 37	8 55	10 7	6 0
S 18	13 0	4 2 3	58 17 15	1 33	19 1	4 2 2	2 51	0 50	7 51	1 6	20 1	0 43	23 41	0 12	1 7	1 26	24 18	5 54	12 12	12 36	8 57	10 5	6 0
M19	12 41	0 2 3	13 16 43	1 38	19 2	3 57 2	2 46	0 50	7 54	1 6	20 2	0 43	23 41	0 12	1 7	1 26	24 18	5 54	12 9	12 35	8 58	10 2	6 0
T 20	12 21	3 s 5 5 2	20 16 8	1 41	19 3	3 52 2	2 41	0 51	7 58	1 6	20 3	0 43	23 41	0 12	1 8	1 26	24 17	5 54	12 7	12 34	9 0	10 0	6 0
W21	12 1	7 41 1	21 15 31	1 43	19 4	3 46 2	2 35	0 52	8 2	1 6	20 4	0 43	23 41	0 12	1 8	1 26	24 17	5 54	12 5	12 33	9 2	9 58	6 0
T 22	11 41	11 7 0	19 14 53	1 45	19 4	3 41 2	2 30	0 52	8 6	1 6	20 5	0 43	23 41	0 12	1 9	1 26	24 17	5 54	12 5	12 32	9 4	9 55	6 0
F 23	11 20	14 7 Or	n44 14 13	1 46	19 4	3 36 2	2 24	0 53	8 10	1 5	20 6	0 43	23 41	0 12	1 9	1 26	24 16	5 54	12 5	12 31	9 5	9 53	6 0
S 24	11 0	16 32 1	46 13 32	1 46	19 3	3 30 2	2 18	0 54	8 14	1 5	20 7	0 43	23 41	0 12	1 10	1 26	24 16	5 55	12 5	12 29	9 7	9 51	6 0
S 25	10 39	18 16 2	44 12 50	1 46	19 2	3 25 2	2 12	0 54	8 18	1 5	20 8	0 43	23 41	0 12	1 11	1 26	24 16	5 55	12 5	12 28	9 9	9 48	6 0
M26	10 18	19 11 3	35 12 7	1 45	19 1	3 19 2	2 6	0 55	8 21	1 5	20 9	0 43	23 41	0 12	1 11	1 26	24 16	5 55	12 5	12 27	9 10	9 46	6 0
T 27	9 57	19 10 4	18 11 23	1 43	18 59	3 14 2	1 59	0 55	8 25	1 5	20 10	0 43	23 41	0 13	1 12	1 26	24 15	5 55	12 4	12 26	9 12	9 43	6 0
W28	9 36	18 9 4	49 10 38	1 41	18 57	3 8 2	1 53	0 56	8 29	1 4	20 10	0 43	23 41	0 13	1 12	1 27	24 15	5 55	12 2	12 25	9 14	9 41	6 1
T 29	9 14	16 6 5	5 9 53	1 38	18 55	3 3 2	1 46	0 57	8 33	1 4	20 11	0 43	23 41	0 13	1 13	1 27	24 15	5 55	12 0	12 24	9 15	9 39	6 1
F 30	8 53	13 4 5	4 9 7	1 35	18 52	2 57 2	1 39	0 57	8 38	1 4	20 12	0 43	23 41	0 13	1 14	1 27	24 14	5 55	11 57	12 23	9 17	9 36	6 1
S 31	8n31	9s11 4r	n43 8n21	1n32	18n48	2 s 5 2	1n32	0n58	8 s42	1n 4	20 s13	0 s43	23n41	0n13	1 s 1 4	1 s27	24n14	5n56	11 s54	12 s22	9s19	9n34	6s 1

Julian Day Number = 2341089.5, Delta T = 15.17 sec Ecliptic obliquity = 23°28'35, Nutation =  $0^\circ00'11$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ31'08$ , Lahiri =  $19^\circ38'08$ Greg. Calendar

SEPTEMBER 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)Å(	¥	Р	v	Ω	Ç	Ŷ,	Day
S 1	22 43 24	9 <b>m</b> 8'33	8 <b>)</b> 22	14 Mp 10	239514	28937	25 <b>≙</b> 10	2°R58	19518	0°R12	7 <b>Ω</b> 11	1°R 3	2 <b>M</b> 28	21 <b>≏</b> 38	18 <b>Ω</b> 41	S 1
M 2	22 47 20	10° 6'45	23°15	16° 0	24°12	29°15	25°20	2≈55	1°20	o <b>Υ</b> 10	7°12	0 <b>M</b> 57	2°24	21°44	18°49	M 2
T 3	22 51 17	11° 4'59	8 <b>Y</b> 11	17°49	25°10	29°53	25°31	2°52	1°22	0° 9	7°14	0°53	2°21	21°51	18°57	T 3
W 4	22 55 13	12° 3'15	23° 2	19°36	26° 9	0 <b>Ω</b> 31	25°42	2°49	1°24	0° 7	7°15	0°51	2°18	21°58	19° 4	W 4
T 5	22 59 10	13° 1'33	7 <b>8</b> 41	21°22	27° 7	1° 9	25°54	2°46	1°25	0° 5	7°17	0°D51	2°15	22° 4	19°12	T 5
F 6	23 3 7	13°59'54	22° 4	23° 7	28° 7	1°46	26° 5	2°44	1°27	0° 4	7°18	0°52	2°12	22°11	19°19	F 6
S 7	23 7 3	14°58'16	6 <b>II</b> 9	24°51	29° 7	2°24	26°16	2°41	1°28	0° 2	7°20	0°53	2° 8	22°17	19°27	S 7
S 8	23 11 0	15°56'41	19°54	26°34	oΩ 7	3° 1	26°27	2°38	1°30	0° 1	7°21	0°R53	2° 5	22°24	19°35	S 8
M 9	23 14 56	16°55'08	39522	28°16	1° 7	3°39	26°39	2°36	1°31	29 <b>米</b> 59	7°23	0°52	2° 2	22°31	19°42	M 9
T 10	23 18 53	17°53'37	16°32	29°57	2° 8	4°16	26°50	2°33	1°33	29°57	7°24	0°48	1°59	22°37	19°49	T 10
W11	23 22 49	18°52'08	29°28	1 <b>≏</b> 36	3°10	4°54	27° 2	2°31	1°34	29°56	7°25	0°43	1°56	22°44	19°57	W11
T 12	23 26 46	19°50'41	$12\Omega 10$	3°15	4°11	5°31	27°13	2°29	1°36	29°54	7°27	0°37	1°53	22°51	20° 4	T 12
F 13	23 30 42	20°49'17	24°39	4°52	5°13	6° 9	27°25	2°26	1°37	29°53	7°28	0°30	1°49	22°57	20°12	F 13
S 14	23 34 39	21°47'54	6 <b>m</b> 57	6°29	6°15	6°46	27°36	2°24	1°38	29°51	7°29	0°23	1°46	23° 4	20°19	S 14
S 15	23 38 36	22°46'33	19° 6	8° 4	7°18	7°23	27°48	2°22	1°39	29°49	7°31	0°16	1°43	23°11	20°26	S 15
M16	23 42 32	23°45'15	1 <b>º</b> 6	9°39	8°21	8° 0	28° 0	2°20	1°40	29°48	7°32	0°11	1°40	23°17	20°33	M16
T 17	23 46 29	24°43'58	12°58	11°12	9°24	8°37	28°12	2°18	1°41	29°46	7°33	0° 8	1°37	23°24	20°41	T 17
W18	23 50 25	25°42'43	24°46	12°45	10°28	9°14	28°24	2°17	1°42	29°44	7°35	0°D 6	1°34	23°31	20°48	W18
T 19	23 54 22	26°41'30	6MJ32	14°16	11°32	9°51	28°36	2°15	1°43	29°43	7°36	0° 6	1°30	23°37	20°55	T 19
F 20	23 58 18	27°40'19	18°20	15°47	12°36	10°28	28°48	2°13	1°44	29°41	7°37	0° 8	1°27	23°44	21° 2	F 20
S 21	0 2 15	28°39'10	0 <b>₮</b> 12	17°16	13°40	11° 5	29° 0	2°12	1°45	29°39	7°38	0° 9	1°24	23°51	21° 9	S 21
S 22	0 611	29°38'03	12°14	18°45	14°45	11°42	29°12	2°10	1°46	29°38	7°40	0°11	1°21	23°57	21°16	S 22
M23	0 10 8	0 <b>ჲ</b> 36'57	24°30	20°13	15°50	12°18	29°24	2° 9	1°47	29°36	7°41	0°12	1°18	24° 4	21°23	M23
T 24	0 14 5	1°35'53	7 <b>る</b> 6	21°39	16°55	12°55	29°37	2° 8	1°48	29°34	7°42	0°R12	1°14	24°10	21°30	T 24
W25	0 18 1	2°34'51	20° 5	23° 5	18° 1	13°31	29°49	2° 7	1°48	29°33	7°43	0°11	1°11	24°17	21°37	W25
T 26	0 21 58	3°33'51	3≈31	24°30	19° 6	14° 8	0 <b>™</b> 1	2° 6	1°49	29°31	7°44	0° 9	1°8	24°24	21°43	T 26
F 27	0 25 54	4°32'53	17°25	25°53	20°12	14°44	0°14	2° 5	1°49	29°29	7°45	0° 5	1° 5	24°30	21°50	F 27
S 28	0 29 51	5°31'56	1 <b>) (</b> 47	27°16	21°18	15°21	0°26	2° 4	1°50	29°28	7°46	0° 2	1° 2	24°37	21°57	S 28
S 29	0 33 47	6°31'01	16°32	28°37	22°25	15°57	0°39	2° 3	1°50	29°26	7°47	29 <b>॒</b> 59	0°59	24°44	22° 3	S 29
M30	0 37 44	7 <b>₽</b> 30'08	1 <b>Y</b> 34	29 <b>≏</b> 58	23 <b>N</b> 31	16 <b>Ω</b> 33	0 <b>M</b> .51	2≈ 3	1951	29 <b>) (</b> 24	$7\Omega48$	29 <b>ჲ</b> 56	0 <b>M</b> 55	24 <b>♀</b> 50	22 <b>Ω</b> 10	M30

Day	$\odot$	D	Ϋ́	·	ď	4	ħ	)Å(	<del>1</del> t	Р	v v	Ç	Ŗ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	l decl	decl lat
S 1	8n 9	4 s40 4n 4	7n35 1n2	7 18n45 2s46	21n25 0n58	8 s 4 6 1 n 4	20s14 0s43	23n41 0n13	1s15 1s27	24n14 5n56	11 s51 12 s2	1 9s21	9n31 6s 1
M 2	7 47	0n12 3 8	6 48 1 23	3 18 40 2 41	21 18 0 59	8 50 1 4	20 14 0 43	23 41 0 13	1 15 1 27	24 14 5 56	11 49 12 2	0 9 22	9 29 6 1
T 3	7 25	5 5 1 59	6 1 1 18	8 18 36 2 35	21 11 1 0	8 54 1 4	20 15 0 43	23 41 0 13	1 16 1 27	24 13 5 56	11 48 12 1	9 24	9 26 6 1
W 4	7 3	9 37 0 42	5 15 1 13	3 18 30 2 29	21 3 1 0	8 58 1 3	3 20 16 0 43	23 41 0 13	1 17 1 27	24 13 5 56	11 47 12 1	7 9 26	9 24 6 1
T 5	6 41	13 31 0s37	4 28 1 8	8 18 25 2 24	20 56 1 1	9 2 1 3	20 16 0 43	23 41 0 13	1 17 1 27	24 13 5 56	11 47 12 1	6 9 27	9 21 6 2
F 6	6 18	16 30 1 52	3 41 1 2	2 18 19 2 18	20 48 1 2	9 6 1 3	3 20 17 0 43	23 41 0 13	1 18 1 27	24 13 5 56	11 47 12 1	5 9 29	9 19 6 2
S 7	5 56	18 25 2 59	2 54 0 56	6 18 12 2 13	20 40 1 2	9 11 1 3	3 20 18 0 44	23 41 0 13	1 19 1 27	24 13 5 57	11 48 12 1	4 9 31	9 17 6 2
S 8	5 33	19 12 3 54	2 8 0 50	0 18 5 2 7	20 32 1 3	9 15 1 3	20 18 0 44	23 41 0 13	1 19 1 27	24 12 5 57	11 48 12 1	9 32	9 14 6 2
M 9	5 10	18 51 4 35	1 21 0 43	3 17 58 2 2	20 24 1 3	9 19 1 3	20 19 0 44	23 41 0 13	1 20 1 27	24 12 5 57	11 47 12 1	2 9 34	9 12 6 2
T 10	4 48	17 29 5 0	0 35 0 3	7 17 50 1 56	20 15 1 4	9 23 1 2	2 20 20 0 44	23 41 0 13	1 21 1 27	24 12 5 57	11 46 12 1	1 9 36	9 9 6 2
W11	4 25	15 15 5 10	0s11 0 30	0 17 41 1 51	20 7 1 5	9 28 1 2	2 20 20 0 44	23 41 0 13	1 21 1 27	24 12 5 57	11 45 12 1	0 9 37	9 7 6 3
T 12	4 2	12 19 5 4	0 56 0 23	3 17 32 1 45	19 58 1 5	9 32 1 2	2 20 21 0 44	23 41 0 13	1 22 1 27	24 12 5 58	11 42 12	9 9 39	9 4 6 3
F 13	3 39	8 53 4 43	1 41 0 10	6 17 23 1 40	19 50 1 6	9 36 1 2	2 20 21 0 44	23 41 0 13	1 23 1 27	24 11 5 58	11 40 12	8 9 41	9 2 6 3
S 14	3 15	5 6 4 9	2 26 0 9	9 17 13 1 34	19 41 1 7	9 40 1 2	2 20 22 0 44	23 41 0 13	1 23 1 27	24 11 5 58	11 37 12	6 9 42	8 59 6 3
S 15	2 52	1 11 3 25	3 10 0 2	2 17 2 1 29	19 32 1 7	9 45 1 2	2 20 22 0 44	23 41 0 13	1 24 1 27	24 11 5 58	11 35 12	9 44	8 57 6 3
M16	2 29	2 s 4 5 2 3 2	3 54 0s 3	5 16 51 1 24	19 23 1 8	9 49 1 2	2 20 23 0 44	23 41 0 13	1 25 1 27	24 11 5 58	11 33 12	4 9 46	8 54 6 4
T 17	2 6	6 33 1 32	4 38 0 13	3 16 40 1 18	19 14 1 8	9 54 1 2	2 20 23 0 44	23 41 0 13	1 25 1 27	24 11 5 58	11 32 12	9 47	8 52 6 4
W18	1 42	10 4 0 29	5 21 0 20	0 16 28 1 13	19 5 1 9	9 58 1	20 24 0 44	23 41 0 13	1 26 1 27	24 10 5 59	11 32 12	2 9 49	8 49 6 4
T 19	1 19	13 10 0n35	6 3 0 2		18 56 1 10	10 2 1		23 41 0 13	1 27 1 27		11 32 12	1 9 51	8 47 6 4
F 20	0 56	15 44 1 38	6 45 0 33	5 16 3 1 3	18 46 1 10	10 7 1	20 24 0 44	23 41 0 13	1 27 1 27	24 10 5 59	11 32 12	0 9 52	8 45 6 5
S 21	0 32	17 39 2 38	7 27 0 42	2 15 50 0 58	18 37 1 11	10 11 1	20 25 0 44	23 41 0 13	1 28 1 27	24 10 5 59	11 33 11 5	9 9 54	8 42 6 5
S 22	0 9	18 48 3 31	8 8 0 50	0 15 36 0 52	18 27 1 12	10 15 1	20 25 0 44	23 41 0 13	1 29 1 27	24 10 5 59	11 33 11 5	8 9 55	8 40 6 5
M23	0 s15	19 6 4 16	8 48 0 5	7 15 22 0 47	18 17 1 12	10 20 1	20 25 0 44	23 41 0 13	1 29 1 27	24 10 6 0	11 34 11 5	7 9 57	8 37 6 6
T 24	0 38	18 28 4 50	9 27 1 3	5 15 7 0 42	18 8 1 13	10 24 1	20 26 0 44	23 41 0 13	1 30 1 27	24 10 6 0	11 34 11 5	5 9 59	8 35 6 6
W25	1 2	16 52 5 10	10 6 1 12	2 14 52 0 37	17 58 1 13	10 29 1	20 26 0 44	23 41 0 13	1 31 1 27	24 10 6 0	11 33 11 5	4 10 0	8 32 6 6
T 26	1 25	14 18 5 14	10 44 1 19	9 14 36 0 33	17 48 1 14	10 33 1	20 26 0 44	23 41 0 13	1 31 1 27	24 9 6 0	11 32 11 5	3 10 2	8 30 6 6
F 27	1 49	10 52 5 1	11 22 1 2	7 14 20 0 28	17 38 1 15	10 38 1 (	20 26 0 44	23 41 0 13	1 32 1 27	24 9 6 0	11 31 11 5	2 10 4	8 28 6 7
S 28	2 12	6 41 4 28	11 58 1 34	4 14 3 0 23	17 27 1 15	10 42 1 (	20 27 0 44	23 41 0 13	1 33 1 27	24 9 6 1	11 30 11 5	1 10 5	8 25 6 7
S 29	2 35	1 59 3 37	12 34 1 4	1 13 47 0 18	17 17 1 16	10 46 1 (	20 27 0 44	23 41 0 13	1 33 1 27	24 9 6 1	11 29 11 5	0 10 7	8 23 6 7
M30	2 s59		-					23n41 0n13		-	11 s28 11 s4		

Julian Day Number = 2341120.5, Delta T = 15.14 sec Ecliptic obliquity =  $23^{\circ}28'36$ , Nutation =  $0^{\circ}00'10$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}31'12$ , Lahiri =  $19^{\circ}38'12$ Greg. Calendar

OCTOBER 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	并	Р	R	Ω	Ç	ķ	Day
T 1	0 41 40	8 <b>≏</b> 29'17	16 <b>Y</b> 45	1 <b>m</b> 17	24 <b>\O</b> 38	17 <b>Ω</b> 10	1 <b>m</b> 4	2°R 2	1951	29°R23	7 <b>Ω</b> 49	29°R55	0ML52	24 <b>₽</b> 57	22 <b>Ω</b> 16	T 1
W 2	0 45 37	9°28'28	1854	2°34	25°45	17°46	1°16	2 <b>≈</b> 2	1°51	29 <b>X</b> 21	7°50	29°D54	0°49	25° 4	22°23	W 2
T 3	0 49 33	10°27'41	16°53	3°51	26°53	18°22	1°29	2° 1	1°52	29°19	7°51	29 <b>₽</b> 55	0°46	25°10	22°29	T 3
F 4	0 53 30	11°26'57	1 <b>II</b> 34	5° 6	28° 0	18°58	1°42	2° 1	1°52	29°18	7°52	29°56	0°43	25°17	22°35	F 4
S 5	0 57 27	12°26'15	15°53	6°20	29° 8	19°34	1°54	2° 1	1°52	29°16	7°53	29°57	0°40	25°24	22°42	S 5
S 6	1 1 23	13°25'36	29°48	7°32	0 <b>m</b> 16	20°10	2° 7	2°D 1	1°52	29°15	7°54	29°58	0°36	25°30	22°48	S 6
M 7	1 5 20	14°24'58	139518	8°42	1°24	20°45	2°20	2° 1	1°R52	29°13	7°55	29°R59	0°33	25°37	22°54	M 7
T 8	1 9 16	15°24'23	26°26	9°50	2°32	21°21	2°33	2° 1	1°52	29°11	7°56	29°58	0°30	25°43	23° 0	T 8
W 9	1 13 13	16°23'51	9 <b>Ω</b> 13	10°57	3°40	21°57	2°45	2° 1	1°52	29°10	7°57	29°57	0°27	25°50	23° 6	W 9
T 10	1 17 9	17°23'20	21°44	12° 1	4°49	22°32	2°58	2° 2	1°52	29° 8	7°57	29°56	0°24	25°57	23°12	T 10
F 11	1 21 6	18°22'52	4MD 0	13° 3	5°58	23° 8	3°11	2° 2	1°52	29° 7	7°58	29°54	0°20	26° 3	23°18	F 11
S 12	1 25 2	19°22'26	16° 6	14° 2	7° 7	23°43	3°24	2° 3	1°51	29° 5	7°59	29°52	0°17	26°10	23°24	S 12
S 13	1 28 59	20°22'03	28° 3	14°58	8°16	24°19	3°37	2° 3	1°51	29° 4	8° 0	29°51	0°14	26°17	23°30	S 13
M14	1 32 56	21°21'41	9 <b>Ω</b> 55	15°51	9°25	24°54	3°50	2° 4	1°51	29° 2	8° 0	29°50	0°11	26°23	23°35	M14
T 15	1 36 52	22°21'22	21°43	16°41	10°35	25°29	4° 3	2° 5	1°50	29° 1	8° 1	29°50	0° 8	26°30	23°41	T 15
W16	1 40 49	23°21'04	3 <b>M</b> .30	17°26	11°45	26° 5	4°16	2° 6	1°50	28°59	8° 2	29°D50	0° 5	26°37	23°46	W16
T 17	1 44 45	24°20'49	15°18	18° 8	12°54	26°40	4°29	2° 7	1°49	28°58	8° 2	29°50	0° 1	26°43	23°52	T 17
F 18	1 48 42	25°20'35	27° 9	18°45	14° 4	27°15	4°42	2° 8	1°49	28°56	8° 3	29°50	29 <b>≙</b> 58	26°50	23°57	F 18
S 19	1 52 38	26°20'24	9 <b>₹</b> 6	19°16	15°14	27°50	4°55	2°10	1°48	28°55	8° 4	29°51	29°55	26°57	24° 2	S 19
S 20	1 56 35	27°20'14	21°12	19°42	16°25	28°24	5° 8	2°11	1°47	28°53	8° 4	29°51	29°52	27° 3	24° 8	S 20
M21	2 0 31	28°20'06	3 <b>ਰ</b> 31	20° 1	17°35	28°59	5°21	2°13	1°47	28°52	8° 5	29°51	29°49	27°10	24°13	M21
T 22	2 4 28	29°20'00	16° 6	20°14	18°45	29°34	5°34	2°14	1°46	28°50	8° 5	29°51	29°45	27°17	24°18	T 22
W23	2 8 25	OM 19'55	29° 0	20°R19	19°56	0 Mp 8	5°48	2°16	1°45	28°49	8° 6	29°51	29°42	27°23	24°23	W23
T 24	2 12 21	1°19'52	12≈17	20°16	21° 7	0°43	6° 1	2°18	1°44	28°48	8° 6	29°51	29°39	27°30	24°28	T 24
F 25	2 16 18	2°19'50	26° 0	20° 4	22°18	1°17	6°14	2°19	1°43	28°46	8° 6	29°52	29°36	27°36	24°32	F 25
S 26	2 20 14	3°19'50	10 <b>米</b> 9	19°43	23°29	1°52	6°27	2°21	1°42	28°45	8° 7	29°52	29°33	27°43	24°37	S 26
S 27	2 24 11	4°19'52	24°43	19°13	24°40	2°26	6°40	2°23	1°41	28°44	8° 7	29°52	29°30	27°50	24°42	S 27
M28	2 28 7	5°19'56	9 <b>Ƴ</b> 37	18°33	25°51	3° 0	6°53	2°26	1°40	28°43	8° 7	29°53	29°26	27°56	24°46	M28
T 29	2 32 4	6°20'01	24°45	17°44	27° 2	3°34	7° 6	2°28	1°39	28°41	8° 8	29°R53	29°23	28° 3	24°51	T 29
W30	2 36 0	7°20'08	9859	16°46	28°14	4° 8	7°20	2°30	1°38	28°40	8° 8	29°53	29°20	28°10	24°55	W30
T 31	2 39 57	8M20'17	25 <b>8</b> 8	15 <b>M</b> .41	29 <b>m</b> 25	4 Mp 42	7 <b>M</b> .33	2≈33	19937	28 <b>米</b> 39	8 <b>N</b> 8	29 <b>≏</b> 52	29 <b>≙</b> 17	28 <b>≏</b> 16	24 <b>Ω</b> 59	T 31

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T 1	3 s22	7n42	1n12	13 s44	1 s55	13n11	0s 9	16n56	1n17	10s55	1n 0	20 s27	0 s44	23n41	0n13	1 s35	1 s27	24n 9	6n 1	11 s27	11 s48	10s10	8n18 6s 8
W 2	3 46	11 59	0s11	14 17	2 1	12 53	0 5	16 46	1 18	11 0	1 0	20 27	0 44	23 41	0 13	1 35	1 27	24 9	6 1	11 27	11 47	10 12	8 16 6 8
T 3	4 9	15 26	1 33	14 50	2 8	12 34	0 0	16 35	1 18	11 4	1 0	20 27	0 44	23 41	0 13	1 36	1 27	24 9	6 2	11 27	11 45	10 13	8 13 6 9
F 4	4 32	17 47	2 46	15 21	2 14	12 15	0n 4	16 25	1 19	11 9	1 0	20 27	0 44	23 41	0 13	1 37	1 27	24 9	6 2	11 28	11 44	10 15	8 11 6 9
S 5	4 55	18 57	3 48	15 51	2 20	11 56	0 9	16 14	1 20	11 13	1 0	20 27	0 44	23 41	0 13	1 37	1 27	24 9	6 2	11 28	11 43	10 17	8 8 6 10
S 6	5 18	18 54	4 34	16 21	2 26	11 36	0 13	16 3	1 20	11 18	1 0	20 27	0 44	23 41	0 13	1 38	1 27	24 9	6 2	11 29	11 42	10 18	8 6 6 10
M 7	5 42	17 46	5 4	16 49	2 32	11 16	0 17	15 53	1 21	11 22	0 59	20 27	0 44	23 41	0 13	1 38	1 27	24 9	6 3	11 29	11 41	10 20	8 4 6 10
T 8	6 5	15 43	5 16	17 16	2 37	10 55	0 21	15 42	1 22	11 27	0 59	20 27	0 44	23 41	0 13	1 39	1 27	24 9	6 3	11 29	11 40	10 21	8 1 6 11
W 9	6 27	12 57	5 13	17 42	2 42	10 34	0 25	15 31	1 22	11 31	0 59	20 27	0 44	23 41	0 13	1 40	1 27	24 9	6 3	11 28	11 39	10 23	7 59 6 11
T 10	6 50	9 38	4 54	18 7	2 47	10 13	0 29	15 20	1 23	11 36	0 59	20 27	0 44	23 41	0 13	1 40	1 27	24 9	6 3	11 28	11 38	10 25	7 57 6 12
F 11	7 13	5 58	4 23	18 30	2 51	9 51	0 33	15 9	1 24	11 40	0 59	20 27	0 44	23 41	0 13	1 41	1 27	24 9	6 3	11 27	11 37	10 26	7 55 6 12
S 12	7 36	2 7	3 40	18 52	2 55	9 29	0 37	14 57	1 24	11 45	0 59	20 27	0 44	23 41	0 13	1 42	1 27	24 9	6 4	11 27	11 35	10 28	7 52 6 12
S 13	7 58	1 s47	2 48	19 12	2 59	9 6	0 40	14 46	1 25	11 49	0 59	20 27	0 44	23 41	0 13	1 42	1 27	24 9	6 4	11 26	11 34	10 29	7 50 6 13
M14	8 21	5 36	1 48	19 30	3 2	8 44	0 44	14 35	1 25	11 53	0 59	20 27	0 44	23 41	0 13	1 43	1 27	24 9	6 4	11 26	11 33	10 31	7 48 6 13
T 15	8 43	9 10	0 45	19 47	3 4	8 21	0 48	14 24	1 26	11 58	0 59	20 26	0 44	23 41	0 14	1 43	1 27	24 9	6 4	11 26	11 32	10 33	7 46 6 14
W16	9 5	12 23	0n20	20 2	3 6	7 57	0 51	14 12	1 27	12 2	0 59	20 26	0 44	23 41	0 14	1 44	1 27	24 9	6 5	11 26	11 31	10 34	7 43 6 14
T 17	9 27		-	20 14		7 34	0 54	14 1		12 7	0 59				0 14	-	1 27		6 5	_	11 30		7 41 6 15
F 18		17 11		20 25	3 7	7 10		13 50		12 11		20 26			0 14	-	1 27	24 9	6 5		11 29		7 39 6 15
S 19	10 11	18 32	3 22	20 33	3 6	6 46	1 1	13 38	1 29	12 16	0 59	20 25	0 44	23 41	0 14	1 46	1 27	24 9	6 5	11 26	11 28	10 39	7 37 6 16
S 20	10 32	19 3	4 9	20 39	3 4	6 21	1 4	13 27	1 29	12 20	0 59	20 25	0 44	23 41	0 14	1 46	1 27	24 9	6 6	11 26	11 26	10 40	7 35 6 16
M21	10 54	18 40	4 45	20 41	3 2	5 57	1 7	13 15	1 30	12 25	0 58	20 25	0 44	23 41	0 14	1 47	1 27	24 9	6 6	11 26	11 25	10 42	7 33 6 17
T 22	11 15	17 23	5 9	20 41	2 58	5 32	1 10	13 3	1 31	12 29	0 58	20 24	0 44	23 42	0 14	1 47	1 27	24 9	6 6	11 26	11 24	10 44	7 31 6 17
W23	11 36	15 12	5 18	20 38	2 53	5 6	1 13	12 52	1 31	12 33	0 58	20 24	0 44	23 42	0 14	1 48	1 27	24 10	6 6	11 26	11 23	10 45	7 28 6 18
T 24		12 10	-	20 31	2 46	4 41	-	12 40		12 38		20 24		23 42		-			6 6		11 22		7 26 6 18
F 25	12 18		4 46	20 20	2 38	4 15	1 18	12 29	1 33	12 42	0 58	20 23		23 42	-	1 49	1 27	24 10	6 7	11 26	11 21	10 48	7 24 6 19
S 26	12 39	4 1	4 3	20 5	2 29	3 50	1 21	12 17	1 33	12 47	0 58	20 23	0 44	23 42	0 14	1 49	1 27	24 10	6 7	11 26	11 20	10 50	7 22 6 19
S 27	12 59	0n42	3 4	19 45	2 17	3 24	1 23	12 5	1 34	12 51	0 58	20 22	0 44	23 42	0 14	1 50	1 27	24 10	6 7	11 27	11 19	10 51	7 20 6 20
M28	13 19	5 30	1 50	19 22	2 4	2 58	1 26	11 53	1 35	12 55	0 58	20 22	0 44	23 42	0 14	1 50	1 27	24 10	6 7	11 27	11 18	10 53	7 18 6 20
T 29	13 39	10 3	0 28	18 54	1 50	2 31	1 28	11 42	1 35	13 0	0 58	20 21	0 44	23 42	0 14	1 51	1 27	24 10	6 8	11 27	11 16	10 55	7 16 6 21
W30		13 57	0s56	18 22	1 33	2 5		11 30		13 4		20 21	0 44	23 42	0 14	1 51	1 27	24 11	6 8	11 27	11 15	10 56	7 14 6 21
T 31	14 s 18	16n53	2s16	17 s46	1 s 1 5	1n38	1n32	11n18	1n37	13 s 8	0n58	20 s20	0 s44	23n42	0n14	1 s52	1 s27	24n11	6n 8	11 s27	11 s14	10s58	7n13 6s22

Julian Day Number = 2341150.5, Delta T = 15.10 sec Ecliptic obliquity = 23°28'36, Nutation =  $0^\circ00'08$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ31'16$ , Lahiri =  $19^\circ38'16$ Greg. Calendar

NOVEMBER 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)મ(	并	В	v	v	Ç	Ŷ,	Day
F 1	2 43 53	9 <b>M</b> 20'27	10耳 3	14°R28	0 <u>ჲ</u> 37	5 <b>m</b> )16	7 <b>M</b> .46	2≈35	1°R36	28°R38	8 <b>N</b> 8	29°R51	29 <b>₽</b> 14	28 <u>₽</u> 23	25 <b>Ω</b> 3	F 1
S 2	2 47 50	10°20'40	24°37	13 <b>M</b> .12	1°49	5°50	7°59	2°38	19534	28 <b>∺</b> 37	8° 9	29 <b>≙</b> 50	29°11	28°30	25° 7	S 2
S 3	2 51 47	11°20'55	89544	11°52	3° 1	6°23	8°12	2°41	1°33	28°35	8° 9	29°49	29° 7	28°36	25°11	S 3
M 4	2 55 43	12°21'12	22°25	10°33	4°13	6°57	8°25	2°43	1°32	28°34	8° 9	29°48	29° 4	28°43	25°15	M 4
T 5	2 59 40	13°21'31	5 <b>Ω</b> 38	9°17	5°25	7°30	8°39	2°46	1°30	28°33	8° 9	29°47	29° 1	28°50	25°19	T 5
W 6	3 3 3 6	14°21'52	18°26	8° 6	6°37	8° 4	8°52	2°49	1°29	28°32	8° 9	29°D47	28°58	28°56	25°23	W 6
T 7	3 7 33	15°22'14	0 <b>m</b> 53	7° 2	7°49	8°37	9° 5	2°53	1°27	28°31	8° 9	29°47	28°55	29° 3	25°26	T 7
F 8	3 11 29	16°22'39	13° 4	6° 7	9° 2	9°10	9°18	2°56	1°26	28°30	8°R 9	29°49	28°51	29° 9	25°30	F 8
S 9	3 15 26	17°23'06	25° 3	5°23	10°14	9°43	9°31	2°59	1°24	28°29	8° 9	29°50	28°48	29°16	25°33	S 9
S 10	3 19 22	18°23'34	6 <b>₽</b> 55	4°50	11°27	10°16	9°44	3° 2	1°22	28°28	8° 9	29°52	28°45	29°23	25°37	S 10
M11	3 23 19	19°24'04	18°42	4°28	12°40	10°49	9°57	3° 6	1°21	28°27	8° 9	29°53	28°42	29°29	25°40	M11
T 12	3 27 16	20°24'36	0 <b>M</b> .28	4°D19	13°52	11°21	10°10	3° 9	1°19	28°26	8° 9	29°R53	28°39	29°36	25°43	T 12
W13	3 31 12	21°25'10	12°17	4°20	15° 5	11°54	10°24	3°13	1°17	28°26	8° 9	29°53	28°36	29°43	25°46	W13
T 14	3 35 9	22°25'45	24°10	4°33	16°18	12°26	10°37	3°17	1°15	28°25	8° 9	29°51	28°32	29°49	25°49	T 14
F 15	3 39 5	23°26'22	6 <b>₮</b> 10	4°55	17°31	12°59	10°50	3°21	1°13	28°24	8° 9	29°48	28°29	29°56	25°52	F 15
S 16	3 43 2	24°27'00	18°18	5°26	18°44	13°31	11° 3	3°24	1°12	28°23	8° 8	29°44	28°26	OM 3	25°54	S 16
S 17	3 46 58	25°27'39	0 <b>궁</b> 35	6° 5	19°57	14° 3	11°16	3°28	1°10	28°22	8° 8	29°39	28°23	0° 9	25°57	S 17
M18	3 50 55	26°28'20	13° 4	6°52	21°11	14°35	11°29	3°32	1° 8	28°22	8° 8	29°35	28°20	0°16	25°59	M18
T 19	3 54 51	27°29'02	25°46	7°45	22°24	15° 7	11°42	3°37	1° 6	28°21	8° 8	29°31	28°17	0°23	26° 2	T 19
W20	3 58 48	28°29'46	8≈43	8°43	23°37	15°39	11°55	3°41	1° 4	28°20	8° 7	29°28	28°13	0°29	26° 4	W20
T 21	4 2 45	29°30'30	21°58	9°46	24°50	16°10	12° 7	3°45	1° 2	28°20	8° 7	29°27	28°10	0°36	26° 6	T 21
F 22	4 6 41	0 <b>,</b> ₹31'15	5 <b>)</b> (31	10°54	26° 4	16°42	12°20	3°49	0°59	28°19	8° 7	29°D26	28° 7	0°42	26° 8	F 22
S 23	4 10 38	1°32'01	19°25	12° 5	27°17	17°13	12°33	3°54	0°57	28°19	8° 6	29°27	28° 4	0°49	26°10	S 23
S 24	4 14 34	2°32'48	<b>3</b> Υ40	13°19	28°31	17°44	12°46	3°58	0°55	28°18	8° 6	29°29	28° 1	0°56	26°12	S 24
M25	4 18 31	3°33'36	18°13	14°36	29°45	18°15	12°59	4° 3	0°53	28°18	8° 5	29°30	27°57	1° 2	26°14	M25
T 26	4 22 27	4°34'25	3 <b>8</b> 3	15°56	0 <b>M</b> .58	18°46	13°11	4° 8	0°51	28°17	8° 5	29°R31	27°54	1° 9	26°15	T 26
W27	4 26 24	5°35'15	18° 2	17°17	2°12	19°17	13°24	4°12	0°49	28°17	8° 4	29°29	27°51	1°16	26°17	W27
T 28	4 30 20	6°36'07	3 <b>II</b> 3	18°40	3°26	19°48	13°37	4°17	0°46	28°16	8° 4	29°26	27°48	1°22	26°18	T 28
F 29	4 34 17	7°36'59	17°56	20° 4	4°40	20°18	13°50	4°22	0°44	28°16	8° 3	29°21	27°45	1°29	26°19	F 29
S 30	4 38 14	8 <b>₹</b> 37'52	2934	21MJ30	5 <b>M</b> 53	20 <b>m</b> 49	14M 2	4≈27	09542	28 <b>)</b> 16	8 <b>Q</b> 3	29 <b>Ω</b> 15	27 <b>≏</b> 42	1MJ36	$26\Omega 20$	S 30

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F 1 S 2	14 s38 14 57		5 17s 6 0s5 0 16 24 0 3	-	11n 6 1n37 10 54 1 38			23n42 0n14 23 42 0 14			11 s26 11 s 11 26 11		7n11 6s22 7 9 6 23
S 3 M 4 T 5	15 52	16 26 5 1 13 47 5 1	6 15 40 0 16 5 14 56 0n : 6 14 12 0 2:	0 s 9 1 39 0 36 1 41	10 31 1 39 10 19 1 40	13 25 0 58 13 30 0 58	20 18 0 44 20 17 0 44	23 42 0 14 23 42 0 14 23 42 0 14	1 53 1 26 1 54 1 26	24 11 6 9 24 12 6 9	11 25 11 11 25 11 11 25 11	10 11 4 8 11 5	7 5 6 24 7 3 6 25
W 6 T 7 F 8 S 9	16 10 16 28 16 46 17 3	6 56 4 3 3 6 3 5		3 1 31 1 44 0 1 58 1 45	9 55 1 41 9 43 1 42	13 38 0 58 13 42 0 58	20 15 0 44	23 42 0 14		24 12 6 10 24 12 6 10	11 25 11 11 25 11 11 25 11 11 26 11	7 11 7 6 11 8 5 11 10 4 11 12	7 0 6 26 6 58 6 26
S 10 M11 T 12 W13 T 14 F 15 S 16	-	8 17 1 11 36 0n 14 28 1 16 44 2 1 18 18 3	4 11 28 1 44 2 11 10 1 59 3 10 58 2 3 8 10 52 2 13 0 10 51 2 20 7 10 55 2 2 6 11 4 2 20	9 3 20 1 49 8 3 48 1 50 5 4 15 1 51 0 4 42 1 51 4 5 10 1 52	9 8 1 44 8 56 1 45 8 44 1 46 8 32 1 46 8 21 1 47	13 55 0 58 13 59 0 58 14 3 0 58 14 7 0 58	20 13 0 44 20 12 0 44 20 11 0 44 20 10 0 44 20 9 0 44	23 42 0 14 23 42 0 14 23 42 0 14	1 56 1 26 1 56 1 26 1 57 1 26 1 57 1 26 1 57 1 26	24 13 6 11 24 13 6 11 24 14 6 11 24 14 6 12 24 14 6 12	11 26 11 11 27 11 11 27 11 11 27 10 11 26 10 11 25 10 11 24 10	58 11 19 57 11 21	6 53 6 28 6 52 6 29 6 50 6 29
S 17 M18 T 19 W20 T 21 F 22 S 23		17 50 5 15 54 5 1 13 7 5 1 9 38 4 5 5 34 4 1		6 6 31 1 54 5 6 58 1 54 3 7 25 1 54 0 7 52 1 54 6 8 18 1 54	7 45 1 49 7 34 1 50 7 22 1 51 7 10 1 51 6 59 1 52	14 19 0 58 14 23 0 58 14 27 0 57 14 31 0 57 14 35 0 57 14 39 0 57 14 43 0 57	20 7 0 44 20 6 0 44 20 5 0 44 20 4 0 44 20 3 0 44	23 42 0 14 23 42 0 14	1 58 1 26 1 58 1 26 1 58 1 26 1 59 1 26 1 59 1 26	24 15 6 12 24 15 6 13 24 16 6 13 24 16 6 13 24 16 6 13	11 22 10 11 21 10 11 19 10 11 18 10 11 18 10 11 18 10 11 18 10	54 11 25 53 11 27 52 11 28 50 11 30 49 11 31	6 43 6 32 6 42 6 33 6 40 6 34
	20 42 20 54 21 5 21 16 21 27 21 37 21 s47	8 6 1 12 15 0s1 15 38 1 3 17 58 2 5 19 3 3 5	1 14 19 2 9 14 48 1 5: 9 15 17 1 4: 3 15 46 1 4: 3 16 15 1 3:	9 10 29 1 53 2 10 55 1 53	6 24 1 54 6 13 1 55 6 1 1 56 5 50 1 57 5 39 1 57	14 55 0 57 14 58 0 58 15 2 0 58 15 6 0 58	19 59 0 44 19 58 0 44 19 57 0 44 19 56 0 44 19 55 0 44	23 43 0 14 23 43 0 14	1 59 1 26 2 0 1 26	24 17 6 14 24 18 6 14 24 18 6 15 24 18 6 15 24 19 6 15	11 18 10 11 19 10 11 19 10 11 19 10 11 17 10 11 16 10 11 s14 10 s	46 11 36 45 11 37 44 11 39 42 11 40 41 11 42	6 34 6 37 6 33 6 37 6 32 6 38 6 31 6 39 6 30 6 39

 $\label{eq:Julian Day Number = 2341181.5, Delta T = 15.07 sec} \\ Ecliptic obliquity = 23°28'35, Nutation = 0°00'07, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°31'20, Lahiri = 19°38'21Greg. Calendar$ 

DECEMBER 1697 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ф(	并	В	R	Ω	Ç	ķ	Day
S 1	4 42 10	9 <b>,7</b> '38'47	16950	22 <b>M</b> .56	7 <b>m</b> 7	21 m 19	14 <b>M</b> .15	4≈32	0°R39	28°R15	8°R 2	29°R 9	27 <b>₽</b> 38	1 <b>M</b> .42	26Ω21	S 1
M 2	4 46 7	10°39'43	0 <b>Ω</b> 39	24°24	8°21	21°49	14°27	4°37	0937	28 <b>)</b> 15	8Ω 2	29 <u>0</u> 2	27°35	1°49	26°22	M 2
T 3	4 50 3	11°40'40	13°59	25°52	9°35	22°19	14°40	4°42	0°35	28°15	8° 1	28°57	27°32	1°56	26°23	T 3
W 4	4 54 0	12°41'38	26°53	27°21	10°49	22°48	14°52	4°48	0°32	28°15	8° 0	28°54	27°29	2° 2	26°24	W 4
T 5	4 57 56	13°42'37	9 <b>m</b> 24	28°50	12° 4	23°18	15° 4	4°53	0°30	28°15	8° 0	28°D53	27°26	2° 9	26°24	T 5
F 6	5 1 53	14°43'37	21°36	0 <b>₹</b> 20	13°18	23°47	15°17	4°58	0°27	28°15	7°59	28°53	27°23	2°16	26°25	F 6
S 7	5 5 50	15°44'39	3 <b>≙</b> 34	1°51	14°32	24°17	15°29	5° 4	0°25	28°14	7°58	28°54	27°19	2°22	26°25	S 7
S 8	5 9 46	16°45'42	15°23	3°21	15°46	24°46	15°41	5° 9	0°22	28°14	7°57	28°55	27°16	2°29	26°25	S 8
M 9	5 13 43	17°46'45	27° 9	4°52	17° 0	25°15	15°54	5°15	0°20	28°D14	7°57	28°R56	27°13	2°35	26°R25	M 9
T 10	5 17 39	18°47'50	8 <b>M</b> .56	6°24	18°15	25°43	16° 6	5°20	0°17	28°14	7°56	28°56	27°10	2°42	26°25	T 10
W11	5 21 36	19°48'55	20°49	7°55	19°29	26°12	16°18	5°26	0°15	28°15	7°55	28°53	27° 7	2°49	26°25	W11
T 12	5 25 32	20°50'01	2 <b>,</b> 749	9°27	20°43	26°40	16°30	5°32	0°12	28°15	7°54	28°48	27° 3	2°55	26°25	T 12
F 13	5 29 29	21°51'08	15° 0	10°59	21°58	27° 8	16°42	5°38	0°10	28°15	7°53	28°40	27° 0	3° 2	26°25	F 13
S 14	5 33 25	22°52'16	27°23	12°31	23°12	27°36	16°54	5°43	0° 7	28°15	7°52	28°31	26°57	3° 9	26°24	S 14
S 15	5 37 22	23°53'24	9 <b>궁</b> 58	14° 3	24°27	28° 4	17° 5	5°49	0° 5	28°15	7°51	28°20	26°54	3°15	26°24	S 15
M16	5 41 19	24°54'33	22°46	15°36	25°41	28°31	17°17	5°55	0° 2	28°15	7°50	28° 9	26°51	3°22	26°23	M16
T 17	5 45 15	25°55'42	5≈45	17° 9	26°56	28°58	17°29	6° 1	29∏59	28°16	7°49	27°59	26°48	3°29	26°22	T 17
W18	5 49 12	26°56'51	18°57	18°42	28°10	29°25	17°41	6° 7	29°57	28°16	7°48	27°51	26°44	3°35	26°21	W18
T 19	5 53 8	27°58'00	2 <b>)</b> 20	20°15	29°25	29°52	17°52	6°14	29°54	28°16	7°47	27°46	26°41	3°42	26°20	T 19
F 20	5 57 5	2 <u>8</u> °59'09	15°55	21°48	0 <b>才</b> 40	0 <b>≏</b> 19	18° 4	6°20	29°52	28°17	7°46	27°43	26°38	3°49	26°19	F 20
S 21	6 1 1	0 <b>궁</b> 0'19	29°42	23°22	1°54	0°45	18°15	6°26	29°49	28°17	7°45	27°D42	26°35	3°55	26°18	S 21
S 22	6 4 58	1° 1'28	13 <b>Y</b> 43	24°56	3° 9	1°11	18°26	6°32	29°46	28°17	7°44	27°42	26°32	4° 2	26°17	S 22
M23	6 8 54	2° 2'37	27°56	26°30	4°23	1°37	18°38	6°38	29°44	28°18	7°43	27°R43	26°28	4° 8	26°15	M23
T 24	6 12 51	3° 3'46	12821	28° 4	5°38	2° 3	18°49	6°45	29°41	28°18	7°42	27°42	26°25	4°15	26°14	T 24
W25	6 16 48	4° 4'55	26°55	29°39	6°53	2°28	19° 0	6°51	29°39	28°19	7°41	27°39	26°22	4°22	26°12	W25
T 26	6 20 44	5° 6'05	11 <b>Ⅲ</b> 32	1 <b>る</b> 14	8° 7	2°54	19°11	6°58	29°36	28°20	7°40	27°33	26°19	4°28	26°10	T 26
F 27	6 24 41	6° 7'14	26° 7	2°49	9°22	3°18	19°22	7° 4	29°34	28°20	7°39	27°24	26°16	4°35	26° 8	F 27
S 28	6 28 37	7° 8'23	10931	4°25	10°37	3°43	19°33	7°11	29°31	28°21	7°38	27°13	26°13	4°42	26° 6	S 28
S 29	6 32 34	8° 9'32	24°40	6° 1	11°52	4° 7	19°44	7°17	29°28	28°22	7°36	27° 2	26° 9	4°48	26° 4	S 29
M30	6 36 30	<u>9</u> °10'41	$8\Omega 26$	<u>7°37</u>	13° 6	4°32	19°54	7°24	29°26	28°22	7°35	26°50	26° 6	4°55	26° 2	M30
T 31	6 40 27	10ਰ11'50	21 <b>Ω</b> 48	9 <b>ට</b> 14	14 <b>×</b> 21	4 <b>Ω</b> 55	20 <b>m</b> 5	7≈30	29∏23	28 <b>米</b> 23	$7\Omega$ 34	26 <u>₽</u> 40	26 <b>♀</b> 3	5M 2	26 <b>Q</b> 0	T 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
S 1 M 2	21 s56 22 5		17 s13 1 n22 17 42 1 14			15 s13		23n43 0n14 23 43 0 14			s11 10s39 9 10 38		6n28 6s40 6 27 6 41
T 3 W 4	22 13 22 21	8 16 4 34	18 38 1	7 12 59 1 49 0 13 23 1 48	-	15 24 0 58	19 49 0 44	23 43 0 14 23 43 0 14	2 0 1 25	24 21 6 16 11	6 10 36	11 49	6 26 6 42 6 25 6 42
T 5 F 6 S 7	22 29 22 36 22 43		19 5 0 53 19 31 0 43 19 57 0 33	5 14 10 1 46	4 21 2 3	15 28 0 58 15 31 0 58 15 35 0 58	19 46 0 44	23 43 0 14 23 43 0 14 23 43 0 14	2 0 1 25	24 21 6 16 11 24 21 6 17 11 24 22 6 17 11	6 10 33	11 52	6 25 6 43 6 24 6 44 6 23 6 44
S 8 M 9		10 37 0 10	20 21 0 3 20 46 0 2	3 15 18 1 42	3 59 2 4 3 49 2 5	15 42 0 58	19 42 0 44	23 43 0 14 23 43 0 14	2 0 1 25	24 22 6 17 11 24 23 6 17 11	7 10 30	11 56	6 23 6 45 6 22 6 45
T 10 W11 T 12	23 5		21 31 0	6 15 40 1 41 9 16 2 1 39 2 16 23 1 38	3 38 2 6 3 27 2 7 3 17 2 8	15 49 0 58	19 40 0 45	23 43 0 15 23 43 0 15 23 43 0 15	2 0 1 25	24 23 6 17 11 24 23 6 18 11 24 24 6 18 11	6 10 28	11 59	6 21 6 46 6 21 6 47 6 20 6 47
F 13 S 14	23 14 23 17	18 57 3 42	22 13 0s :	5 16 44 1 36 2 17 5 1 35	3 6 2 9 2 56 2 9			23 43 0 15 23 43 0 15		24 24 6 18 11 24 25 6 18 10	1 10 25 58 10 24		6 20 6 48 6 19 6 48
S 15 M16 T 17	23 23	16 34 5 4	22 50 0 19 23 7 0 20 23 23 0 33	6 17 44 1 31	2 46 2 10 2 36 2 11 2 25 2 12		19 32 0 45	23 43 0 15 23 43 0 15 23 43 0 15	2 0 1 25	<b>24 26</b> 6 19 10	54 10 23 50 10 22 46 10 21	12 6	6 19 6 49 6 19 6 50 6 19 6 50
W18 T 19	23 26 23 28	10 39 4 45 6 45 4 12	23 38 0 39 23 52 0 43	9 18 22 1 27 5 18 40 1 26	2 15 2 13 2 6 2 14	16 12 0 58 16 15 0 58	19 30 0 45 19 28 0 45	23 43 0 15 23 43 0 15	1 59 1 25 1 59 1 25	24 26 6 19 10 24 27 6 19 10	0 44 10 20 0 42 10 18	12 9 12 11	6 18 6 51 6 18 6 51
F 20 S 21	23 28 23 29		24 16 0 5	7 19 15 1 22	1 46 2 15	16 21 0 58	19 25 0 45	23 43 0 15 23 43 0 15	1 59 1 25	24 28 6 20 10	0 41 10 17 0 40 10 16	12 13	6 18 6 52 6 18 6 52
S 22 M23 T 24	23 28 23 28 23 26	10 44 0s 1		3 19 31 1 19 8 19 47 1 17 4 20 3 1 15	1 27 2 17	16 28 0 58	19 22 0 45	23 43 0 15 23 43 0 15 23 43 0 15	1 58 1 25	24 29 6 20 10	0 40 10 15 0 41 10 14 0 40 10 13	12 16	6 18 6 53 6 18 6 54 6 18 6 54
W25 T 26	23 25 23 23	17 5 2 29 18 43 3 31	24 48 1 19 24 52 1 24	9 20 18 1 13 4 20 32 1 11	1 8 2 19 0 59 2 20	16 34 0 58 16 37 0 58	19 19 0 45 19 17 0 45	23 43 0 15 23 43 0 15	1 58 1 24 1 57 1 24	24 30 6 20 10 24 30 6 20 10	39 10 11 37 10 10	12 19 12 21	6 18 6 55 6 18 6 55
F 27 S 28	23 17	18 15 4 50		3 20 59 1 6	0 41 2 21	16 42 0 59	19 14 0 45	23 43 0 15 23 43 0 15	1 57 1 24	24 31 6 21 10		12 23	6 18 6 56 6 18 6 56
S 29 M30 T 31	23 9	13 25 4 56	- 1	8 21 11 1 4 2 21 23 1 1 6 21 s35 0n59	0 23 2 23	16 48 0 59	19 11 0 45	23 43 0 15 23 43 0 15 23n43 0n15	1 56 1 24	24 32 6 21 10	0 26 10 7 0 22 10 6 0 s18 10 s 5	12 26	6 18 6 57 6 19 6 57 6n19 6s58

Julian Day Number = 2341211.5, Delta T = 15.04 sec Ecliptic obliquity = 23°28'34, Nutation =  $0^\circ00'07$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^\circ31'24$ , Lahiri =  $19^\circ38'25$ Greg. Calendar