

# Astrodienst Ephemeris Tables for the year 1686

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 1686 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ	)بُ(	¥	Р	ß	Ω	Ç	ķ	Day
T 1	6 44 0	11궁 7'22	4 <b>Υ</b> 23	24 <b>궁</b> 50	25≈ 3	12 <b>)</b> 32	16MJ35	0 <b>₽</b> 5	6°R31	2 <b>∺</b> 8	20°R12	19°R 7	18 <b>I</b> 5	26Ⅲ51	7°R48	T 1
W 2	6 47 56	12° 8'32	17° 9	26°25	26°13	13°16	16°45	0° 6	6 <b>8</b> 30	2° 9	209511	19°D 7	18° 2	26°57	7 <b>8</b> 47	W 2
T 3	6 51 53	13° 9'42	29°35	28° 1	27°22	14° 1	16°55	0° 6	6°29	2°11	20°10	19耳 8	17°59	27° 4	7°46	T 3
F 4	6 55 50	14°10'51	11844	29°35	28°31	14°45	17° 5	0° 7	6°29	2°12	20° 9	19° 9	17°56	27°11	7°46	F 4
S 5	6 59 46	15°12'00	23°42	1≈ 8	29°40	15°30	17°14	0° 7	6°28	2°14	20° 7	19°11	17°53	27°17	7°45	S 5
S 6	7 3 43	16°13'09	5 <b>Ⅱ</b> 33	2°39	0 <b>)</b> €49	16°14	17°24	0° 8	6°28	2°16	20° 6	19°13	17°49	27°24	7°44	S 6
M 7	7 7 39	17°14'17	17°20	4° 9	1°58	16°59	17°33	0° 8	6°27	2°18	20° 5	19°R14	17°46	27°31	7°44	M 7
T 8	7 11 36	18°15'24	29° 7	5°36	3° 7	17°43	17°43	0° 8	6°27	2°19	20° 3	19°13	17°43	27°37	7°43	T 8
W 9	7 15 32	19°16'31	10957	7° 1	4°15	18°27	17°52	0°R 8	6°27	2°21	20° 2	19°11	17°40	27°44	7°43	W 9
T 10	7 19 29	20°17'38	22°51	8°23	5°23	19°12	18° 1	0° 8	6°27	2°23	20° 1	19° 8	17°37	27°50	7°42	T 10
F 11	7 23 25	21°18'44	4 <b>Ω</b> 52	9°41	6°31	19°56	18°10	0° 8	6°26	2°25	19°59	19° 2	17°34	27°57	7°42	F 11
S 12	7 27 22	22°19'49	17° 1	10°54	7°39	20°41	18°19	0° 7	6°26	2°26	19°58	18°56	17°30	28° 4	7°42	S 12
S 13	7 31 19	23°20'54	29°20	12° 3	8°46	21°25	18°28	0° 7	6°26	2°28	19°57	18°50	17°27	28°10	7°41	S 13
M14	7 35 15	24°21'59	11 <b>m</b> 50	13° 5	9°54	22° 9	18°37	0° 6	6°D26	2°30	19°56	18°44	17°24	28°17	7°41	M14
T 15	7 39 12	25°23'03	24°33	14° 1	11° 1	22°53	18°45	0° 6	6°26	2°32	19°54	18°39	17°21	28°24	7°41	T 15
W16	7 43 8	26°24'07	7 <b>≙</b> 30	14°50	12° 8	23°38	18°54	0° 5	6°26	2°34	19°53	18°35	17°18	28°30	7°D41	W16
T 17	7 47 5	27°25'10	20°44	15°30	13°15	24°22	19° 2	0° 4	6°27	2°36	19°52	18°34	17°15	28°37	7°41	T 17
F 18	7 51 1	28°26'13	4 <b>M</b> .17	16° 0	14°21	25° 6	19°10	0° 3	6°27	2°38	19°50	18°D34	17°11	28°44	7°41	F 18
S 19	7 54 58	29°27'15	18°11	16°21	15°27	25°50	19°18	0° 2	6°27	2°40	19°49	18°35	17° 8	28°50	7°41	S 19
S 20	7 58 54	0≈28'17	2 <b>₹</b> 25	16°R31	16°33	26°34	19°26	0° 1	6°27	2°42	19°48	18°36	17° 5	28°57	7°41	S 20
M21	8 2 51	1°29'19	1 <u>6</u> °59	16°30	17°39	27°19	19°34	29 <b>m</b> 59	6°28	2°44	19°46	18°R37	17° 2	29° 4	7°42	M21
T 22	8 6 48	2°30'20	1 <b>る</b> 49	16°17	18°45	28° 3	19°42	29°58	6°28	2°46	19°45	18°36	16°59	29°10	7°42	T 22
W23	8 10 44	3°31'20	16°49	15°53	19°50	28°47	19°49	29°57	6°28	2°48	19°44	18°33	16°55	29°17	7°43	W23
T 24	8 14 41	4°32'19	1≈51	15°18	20°55	29°31	19°57	29°55	6°29	2°50	19°43	18°28	16°52	29°24	7°43	T 24
F 25	8 18 37	5°33'17	16°45	14°33	21°59	0 <b>Υ</b> 15	20° 4	29°54	6°30	2°52	19°41	18°21	16°49	29°30	7°44	F 25
S 26	8 22 34	6°34'14	1 <b>∺</b> 23	13°38	23° 4	0°59	20°11	29°52	6°30	2°54	19°40	18°13	16°46	29°37	7°44	S 26
S 27	8 26 30	7°35'10	15°38	12°37	24° 8	1°43	20°18	29°50	6°31	2°56	19°39	18° 5	16°43	29°44	7°45	S 27
M28	8 30 27	8°36'05	29°25	11°29	25°11	2°27	20°25	29°48	6°32	2°58	19°38	17°58	16°40	29°50	7°46	M28
T 29	8 34 23	9°36'58	12 <b>Υ</b> 44	10°17	26°15	3°11	20°32	29°46	6°32	3° 0	19°36	17°52	16°36	29°57	7°46	T 29
W30	8 38 20	10°37'50	25°36	9° 4	27°18	3°55	20°38	29°44	6°33	3° 3	19°35	17°49	16°33	099 3	7°47	W30
T 31	8 42 17	11≈38'40	8 <b>8</b> 5	7≈51	28 <b>米</b> 21	<b>4Υ</b> 39	20 <b>M</b> 45	29 <b>m</b> 41	6 <b>8</b> 34	3 <b>米</b> 5	19934	17°D48	16耳30	0910	7 <b>8</b> 48	T 31

Day	0	D	ğ	Q	ď	4	ħ	)Å(	并	Р	v v	Ç	Š.
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl de	ecl lat
T 1 W 2 T 3 F 4 S 5	-	2n27 4 39 7 35 4 1 12 20 3 12	22 51 1 22 28 1 22 4 1	s 2     14s42     1s36       59     14     16     1 33       55     13     49     1 30       50     13     22     1 27       45     12     55     1 24	7 s34 0 s45 7 16 0 44 6 58 0 43 6 40 0 42 6 21 0 41	15 53 1 2 15 55 1 2	2 4 2 18 2 4 2 18 2 4 2 18	13 18 0 26 13 18 0 26 13 18 0 26	11 26 0 45 11 25 0 45 11 25 0 45		23 2 22 50		26 1 47 26 1 47 26 1 47
S 6 M 7 T 8 W 9 T 10	22 30 22 22 22 14 22 6 21 57	20 2 1 15 22 42 0 10 24 23 0n54 24 58 1 56 24 24 2 54	21 12 1 20 45 1 20 16 1 19 46 1 19 16 1	39 12 28 1 21 32 12 0 1 18 24 11 32 1 14 16 11 4 1 11 6 10 35 1 7	6 3 0 40 5 45 0 39 5 27 0 38 5 8 0 37 4 50 0 36	16 3 1 3 16 6 1 3 16 8 1 3 16 11 1 3 16 13 1 3	2 4 2 19 2 5 2 19 2 5 2 20 2 5 2 20 2 5 2 20 2 5 2 20	13 18 0 26 13 17 0 26 13 17 0 26 13 17 0 26	11 23 0 45 11 23 0 45 11 22 0 45 11 21 0 45 11 21 0 45	23 12 1 14 23 12 1 14 23 12 1 15 23 13 1 15 23 13 1 15	23 2 22 55 23 3 22 55 23 3 22 55 23 2 22 56 23 2 22 56	5 24 19 12 5 24 20 12 5 24 21 12 4 24 22 12 4 24 23 12	25 1 47 25 1 47 25 1 47 25 1 47 25 1 47
S 12 S 13 M14	<ul><li>21 38</li><li>21 27</li><li>21 17</li></ul>	19 58 4 25 16 18 4 54 11 53 5 9	18 14 0 17 43 0 17 12 0	18 8 40 0 51	4 31 0 35 4 13 0 34 3 55 0 33 3 36 0 32	16 18 1 3 16 20 1 3	2 6 2 21 2 7 2 21 2 7 2 21	13 17 0 26 13 17 0 26 13 17 0 26	11 19 0 45 11 19 0 45	23 13 1 15 23 14 1 15 23 14 1 15 23 14 1 15	23 1 22 54 23 1 22 53 23 0 22 53	4 24 24 12 4 24 25 12 8 24 26 12 8 24 27 12	25 1 47 25 1 47 25 1 47
W16 T 17 F 18	21 6 20 55 20 43 20 31 20 18		16 14 On	27 7 11 0 38	3 18 0 31 2 59 0 30 2 41 0 29 2 22 0 28 2 4 0 27	16 29 1 4 16 31 1 4	2 9 2 22	13 17 0 26 13 17 0 25 13 17 0 25	11 17 0 45 11 16 0 45 11 15 0 45	23 15 1 15 23 15 1 15	23 0 22 55 22 59 22 55 22 59 22 55 22 59 22 55 22 59 22 5	2 24 29 12 2 24 30 12	25 1 47 25 1 47 25 1 47
S 20 M21 T 22 W23 T 24 F 25 S 26	19 52 19 38 19 24 19 10 18 55	22 42 0 9 24 39 1s11 24 51 2 27 23 14 3 32 20 1 4 23	14 22 1 14 9 1 13 59 2 13 54 2	19 5 41 0 24 37 5 11 0 19 55 4 41 0 14 13 4 10 0 9 30 3 40 0 4 45 3 10 0n 1 0 2 39 0 7	1 27 0 25 1 8 0 24 0 50 0 23 0 31 0 22 0 13 0 21	16 39 1 4 16 41 1 4	2 11 2 23 2 12 2 23 2 13 2 24 2 14 2 24 2 15 2 24	13 18 0 25 13 18 0 25 13 18 0 25 13 18 0 25	11 13 0 45 11 12 0 45 11 12 0 45 11 11 0 45 11 10 0 45	23 16 1 15 23 16 1 15 23 16 1 15 23 17 1 16 23 17 1 16	22 59 22 5 22 59 22 5 22 59 22 5 22 59 22 50 22 59 22 50 22 58 22 50 22 57 22 49	1 24 33 12 1 24 34 12 0 24 35 12 0 24 36 12 0 24 37 12	25 1 47 25 1 47 25 1 47 25 1 47 26 1 47
S 27 M28 T 29 W30		10 24 5 7 4 51 5 2 0n45 4 39 6 8 4 4	13 59 3 14 7 3 14 19 3 14 32 3	12 2 9 0 12 23 1 38 0 18	0 24 0 19 0 42 0 18 1 0 0 17 1 19 0 16	16 49 1 5 16 50 1 5 16 52 1 5 16 53 1 5 16s55 1n 5	2 17 2 25 2 18 2 25 2 19 2 25 2 20 2 26	13 19 0 25 13 19 0 25 13 20 0 25 13 20 0 25	11 9 0 45 11 8 0 45 11 7 0 45 11 6 0 45	23 17 1 16 23 17 1 16 23 18 1 16 23 18 1 16	22 57 22 49 22 56 22 49 22 56 22 49 22 55 22 49 22 55 22 49 22 55 22 49	9 24 39 12 9 24 39 12 8 24 40 12 8 24 41 12	26 1 47 26 1 47 27 1 47 27 1 47

Julian Day Number = 2336859.5, Delta T = 20.39 sec Ecliptic obliquity =  $23^{\circ}28'50$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}21'26$ , Lahiri =  $19^{\circ}28'26$ Greg. Calendar

#### FEBRUARY 1686 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)ф(	卉	Р	n	v	Ç	Ŗ	Day
F 1	8 46 13	12≈39'29	20815	6°R41	29 <b>米</b> 23	5 <b>Υ</b> 23	20 <b>M</b> .51	29°R39	6 <b>8</b> 35	3 <b>∺</b> 7	19°R33	17 <b>Ⅱ</b> 48	16 <b>Ⅲ</b> 27	09917	7 <b>8</b> 49	F 1
S 2	8 50 10	13°40'16	2Ⅲ12	5 <b>≈</b> 34	0 <b>Υ</b> 25	6° 6	20°57	29 <b>m</b> 36	6°36	3° 9	19932	17°49	16°24	0°23	7°50	S 2
S 3	8 54 6	14°41'02	14° 1	4°33	1°26	6°50	21° 3	29°34	6°37	3°11	19°30	17°R50	16°21	0°30	7°51	S 3
M 4	8 58 3	15°41'47	25°47	3°39	2°28	7°34	21° 9	29°31	6°38	3°13	19°29	17°49	16°17	0°37	7°53	M 4
T 5	9 1 59	16°42'30	7 <b>9</b> 35	2°51	3°28	8°18	21°14	29°28	6°39	3°16	19°28	17°47	16°14	0°43	7°54	T 5
W 6	9 5 56	17°43'11	19°29	2°12	4°28	9° 1	21°20	29°26	6°40	3°18	19°27	17°42	16°11	0°50	7°55	W 6
T 7	9 9 52	18°43'51	$1\Omega$ 31	1°41	5°28	9°45	21°25	29°23	6°42	3°20	19°26	17°35	16° 8	0°57	7°56	T 7
F 8	9 13 49	19°44'29	13°43	1°18	6°28	10°29	21°30	29°20	6°43	3°22	19°25	17°25	16° 5	1° 3	7°58	F 8
S 9	9 17 46	20°45'06	26° 7	1° 2	7°27	11°12	21°35	29°17	6°44	3°24	19°24	17°14	16° 1	1°10	7°59	S 9
S 10	9 21 42	21°45'41	8 <b>m</b> 43	0°55	8°25	11°56	21°40	29°13	6°46	3°27	19°23	17° 2	15°58	1°17	8° 1	S 10
M11	9 25 39	22°46'15	21°31	0°D54	9°23	12°39	21°45	29°10	6°47	3°29	19°22	16°50	15°55	1°23	8° 3	M11
T 12	9 29 35	23°46'48	4 <b>₽</b> 31	1° 1	10°20	13°23	21°49	29° 7	6°48	3°31	19°21	16°40	15°52	1°30	8° 4	T 12
W13	9 33 32	24°47'19	17°42	1°14	11°17	14° 6	21°53	29° 3	6°50	3°33	19°19	16°32	15°49	1°37	8° 6	W13
T 14	9 37 28	25°47'49	1 <b>M</b> 5	1°33	12°13	14°50	21°58	29° 0	6°52	3°36	19°18	16°27	15°46	1°43	8°8	T 14
F 15	9 41 25	26°48'17	14°40	1°57	13° 9	15°33	22° 2	28°56	6°53	3°38	19°17	16°24	15°42	1°50	8°10	F 15
S 16	9 45 21	27°48'45	28°28	2°27	14° 4	16°16	22° 5	28°53	6°55	3°40	19°16	16°D24	15°39	1°56	8°11	S 16
S 17	9 49 18	28°49'11	12 <b>×</b> 29	3° 1	14°58	17° 0	22° 9	28°49	6°56	3°43	19°15	16°R24	15°36	2° 3	8°13	S 17
M18	9 53 15	29°49'35	26°44	3°40	15°52	17°43	22°13	28°45	6°58	3°45	19°15	16°24	15°33	2°10	8°15	M18
T 19	9 57 11	0 <b>)(</b> 49'59	11る10	4°24	16°45	18°26	22°16	28°41	7° 0	3°47	19°14	16°21	15°30	2°16	8°17	T 19
W20	10 1 8	1°50'21	25°46	5°10	17°37	19° 9	22°19	28°38	7° 2	3°49	19°13	16°17	15°27	2°23	8°20	W20
T 21	10 5 4	2°50'41	10≈24	6° 1	18°29	19°52	22°22	28°34	7° 4	3°52	19°12	16° 9	15°23	2°30	8°22	T 21
F 22	10 9 1	3°51'00	24°59	6°55	19°20	20°36	22°25	28°30	7° 6	3°54	19°11	15°59	15°20	2°36	8°24	F 22
S 23	10 12 57	4°51'17	9 <b>米</b> 24	7°51	20°10	21°19	22°27	28°26	7° 8	3°56	19°10	15°47	15°17	2°43	8°26	S 23
S 24	10 16 54	5°51'32	23°31	8°51	20°59	22° 2	22°30	28°21	7°10	3°58	19° 9	15°35	15°14	2°50	8°29	S 24
M25	10 20 50	6°51'45	7 <b>Y</b> 16	9°53	21°48	22°45	22°32	28°17	7°12	4° 1	19°8	15°23	15°11	2°56	8°31	M25
T 26	10 24 47	7°51'56	20°35	10°57	22°35	23°28	22°34	28°13	7°14	4° 3	19°8	15°14	15° 7	3° 3	8°33	T 26
W27	10 28 44	8°52'05	3 <b>8</b> 30	12° 4	23°22	24°11	22°36	28° 9	7°16	4° 5	19° 7	15° 7	15° 4	3°10	8°36	W27
T 28	10 32 40	9 <b>)</b> 52'12	16 <b>8</b> 2	13≈13	24 <b>Y</b> 8	24 <b>Y</b> 54	22 <b>M</b> 37	28Mp 4	7 <b>8</b> 18	4 <b>∺</b> 8	1995 6	15 <b>II</b> 3	15 <b>II</b> 1	39916	8 <b>8</b> 38	T 28

Day	0	D	ğ	φ	ď	4	ħ	)∤(	¥	В	n	U	Ç	ķ
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F 1 S 2			15 s 5 3 n 4 1 15 22 3 3 9	0n23 0n41 0 53 0 47		16s57 1n 6 16 58 1 6		13n21 0s25 13 21 0 25					24n43 12n2 24 44 12 2	
S 3		22 11 0 20	15 40 3 36		2 32 0 12	16 59 1 6	2 25 2 27	13 21 0 25	11 3 0 45	23 19 1 16	22 55	22 47	24 44 12 2	8 1 47
M 4 T 5		24 59 1 44	16 16 3 23	2 23 1 6	2 50 0 11 3 8 0 11	17 1 1 6 17 2 1 6	2 27 2 27	13 22 0 25	11 2 0 45	23 19 1 16	22 55	22 46	24 45 12 2 24 46 12 2	9 1 47
W 6	15 14	24 43 2 41 23 17 3 31	16 49 3 5	3 23 1 19	3 26 0 10 3 44 0 9	17 5 1 6	2 30 2 27	13 23 0 25	11 0 0 45	23 20 1 16	22 54	22 45	24 47 12 3 24 48 12 3	0 1 46
F 8 S 9		20 46 4 13 17 16 4 43	17 4 2 54 17 19 2 43		4 2 0 8 4 20 0 7								24 49 12 3 24 49 12 3	
S 10 M11	14 17 13 57	12 56 5 0 7 59 5 2	17 32 2 31 17 44 2 19		4 38 0 6 4 56 0 5		2 34 2 28 2 36 2 28						24 50 12 3 24 51 12 3	
T 12 W13	13 37 13 17	2 37 4 48 2 s 58 4 20	18 4 1 54	6 18 1 59	5 13 0 5 5 31 0 4	17 11 1 7	2 39 2 29		10 55 0 45	23 21 1 17	22 48	22 43	24 52 12 3 24 53 12 3	3 1 46
T 14 F 15 S 16		13 43 2 40	18 12 1 42 18 19 1 29 18 24 1 17	7 15 2 14	5 49 0 3 6 6 0 2 6 24 0 1	17 13 1 8		13 27 0 25	10 54 0 45	23 21 1 17	22 47	22 43	24 53 12 3 24 54 12 3 24 55 12 3	1 46
S 17	11 54	21 59 0 21	18 28 1 5	8 11 2 28	6 41 0 0	17 15 1 8	2 45 2 30	13 28 0 25	10 52 0 45	23 22 1 17	22 47	22 42	24 56 12 3	66 1 46
M18 T 19 W20	11 33 11 12 10 50	25 8 2 7	18 31 0 53 18 32 0 41 18 32 0 30	9 5 2 42	6 58 On 0 7 15 O 1 7 33 O 2	17 16 1 8	2 49 2 30	13 29 0 25 13 29 0 25 13 30 0 25	10 50 0 45	23 22 1 17	22 47	22 41	24 56 12 3 24 57 12 3 24 58 12 3	7 1 46
T 21 F 22	10 29	21 35 4 5	18 30 0 19	9 59 2 57	7 50 0 3 8 7 0 4		2 52 2 30	13 31 0 24		23 22 1 17	22 46	22 41	24 58 12 3 24 58 12 3 24 59 12 3	8 1 46
S 23	9 45	12 40 4 59	18 23 0s 2	10 52 3 12	8 24 0 4	17 18 1 9	2 56 2 31	13 32 0 24	10 47 0 45	23 23 1 17	22 43	22 40	25 0 12 4	1 46
S 24 M25	9 23 9 0	1 24 4 40	18 10 0 22		8 57 0 6		2 59 2 31	13 33 0 24	10 45 0 45	23 23 1 17	22 42 22 41	22 39	25 1 12 4	1 1 46
T 26 W27 T 28	8 38 8 16 7 s53	4n15 4 6 9 33 3 21 14n19 2s27	17 51 0 41	12 32 3 43	9 14 0 7 9 31 0 8 9n47 0n 8		3 3 2 31	13 35 0 24	10 44 0 45	23 23 1 17	22 40 22 39 22n38	22 39	-	13 1 46

Julian Day Number = 2336890.5, Delta T = 20.35 sec Ecliptic obliquity = 23°28'51, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°21'30, Lahiri = 19°28'31Greg. Calendar

MARCH 1686 GC 00:00 UT

Day	Sid.t	0	D	φ	φ	ď	4	ħ	)મું(	¥	Р	R	v	Ç	& &	Day
F 1	10 36 37	10 <b>米</b> 52'17	28815	14≈24	24 <b>Y</b> 52	25 <b>Y</b> 36	22M39	28°R 0	7 <b>8</b> 20	4 <b>)</b> 10	19°R 5	15°R 1	14∏58	3923	8 <b>8</b> 41	F 1
S 2	10 40 33	11°52'20	10 <b>Ⅱ</b> 14	15°37	25°36	26°19	22°40	27 <b>m</b> 56	7°23	4°12	1995 5	15 <b>Ⅱ</b> 1	14°55	3°30	8°44	S 2
S 3	10 44 30	12°52'20	22° 4	16°52	26°19	27° 2	22°41	27°51	7°25	4°14	19° 4	15° 1	14°52	3°36	8°46	S 3
M 4	10 48 26	13°52'19	3952	18° 8	27° 0	27°45	22°42	27°47	7°27	4°17	19° 3	15° 0	14°48	3°43	8°49	M 4
T 5	10 52 23	14°52'15	15°42	19°27	27°41	28°28	22°43	27°42	7°30	4°19	19° 2	14°57	14°45	3°50	8°52	T 5
W 6	10 56 19	15°52'09	27°39	20°46	28°20	29°10	22°43	27°38	7°32	4°21	19° 2	14°52	14°42	3°56	8°55	W 6
T 7	11 0 16	16°52'01	9 <b>Ω</b> 47	22° 8	28°58	29°53	22°44	27°33	7°34	4°23	19° 1	14°44	14°39	4° 3	8°58	T 7
F 8	11 4 13	17°51'51	22° 9	23°31	29°34	0 <b>8</b> 35	22°R44	27°28	7°37	4°26	19° 1	14°33	14°36	4°10	9° 0	F 8
S 9	11 8 9	18°51'39	4 <b>M</b> 47	24°55	0810	1°18	22°44	27°24	7°39	4°28	19° 0	14°21	14°33	4°16	9° 3	S 9
S 10	11 12 6	19°51'25	17°42	26°21	0°44	2° 0	22°43	27°19	7°42	4°30	19° 0	14° 7	14°29	4°23	9° 6	S 10
M11	11 16 2	20°51'08	0 <b>ჲ</b> 51	27°48	1°16	2°43	22°43	27°15	7°45	4°32	18°59	13°54	14°26	4°29	9° 9	M11
T 12	11 19 59	21°50'50	14°14	29°16	1°47	3°25	22°42	27°10	7°47	4°34	18°58	13°43	14°23	4°36	9°12	T 12
W13	11 23 55	22°50'30	27°48	0 <b>)</b> 46	2°16	4° 8	22°42	27° 5	7°50	4°37	18°58	13°34	14°20	4°43	9°16	W13
T 14	11 27 52	23°50'08	11 <b>M</b> 31	2°18	2°44	4°50	22°41	27° 0	7°53	4°39	18°58	13°28	14°17	4°49	9°19	T 14
F 15	11 31 48	24°49'44	25°22	3°50	3°10	5°32	22°40	26°56	7°55	4°41	18°57	13°25	14°13	4°56	9°22	F 15
S 16	11 35 45	25°49'18	9 <b>,7</b> 18	5°24	3°35	6°15	22°38	26°51	7°58	4°43	18°57	13°D24	14°10	5° 3	9°25	S 16
S 17	11 39 42	26°48'51	23°20	6°59	3°57	6°57	22°37	26°46	8° 1	4°45	18°56	13°R24	14° 7	5° 9	9°28	S 17
M18	11 43 38	27°48'22	7 <b>云</b> 27	8°36	4°18	7°39	22°35	26°42	8° 4	4°47	18°56	13°23	14° 4	5°16	9°32	M18
T 19	11 47 35	28°47'52	21°37	10°13	4°37	8°21	22°33	26°37	8° 6	4°50	18°56	13°22	14° 1	5°23	9°35	T 19
W20	11 51 31	29°47'19	5≈49	11°53	4°53	9° 3	22°31	26°32	8° 9	4°52	18°55	13°17	13°58	5°29	9°39	W20
T 21	11 55 28	0 <b>℃</b> 46'45	20° 2	13°33	5° 8	9°45	22°29	26°27	8°12	4°54	18°55	13°11	13°54	5°36	9°42	T 21
F 22	11 59 24	1°46'09	4 <b>)</b> €10	15°15	5°21	10°27	22°26	26°23	8°15	4°56	18°55	13° 1	13°51	5°43	9°45	F 22
S 23	12 3 21	2°45'31	18° 9	16°58	5°32	11° 9	22°24	26°18	8°18	4°58	18°55	12°50	13°48	5°49	9°49	S 23
S 24	12 7 17	3°44'51	1 <b>Y</b> 54	18°42	5°40	11°51	22°21	26°13	8°21	5° 0	18°54	12°39	13°45	5°56	9°52	S 24
M25	12 11 14	4°44'08	15°23	20°28	5°46	12°33	22°18	26° 9	8°24	5° 2	18°54	12°28	13°42	6° 3	9°56	M25
T 26	12 15 10	5°43'24	28°32	22°15	5°50	13°15	22°15	26° 4	8°27	5° 4	18°54	12°19	13°38	6° 9	10° 0	T 26
W27	12 19 7	6°42'38	11820	24° 4	5°R51	13°57	22°11	26° 0	8°30	5° 6	18°54	12°12	13°35	6°16	10° 3	W27
T 28	12 23 4	7°41'49	23°50	25°54	5°50	14°39	22° 8	25°55	8°33	5° 8	18°54	12° 8	13°32	6°23	10° 7	T 28
F 29	12 27 0	8°40'58	6 <b>I</b> I 2	27°45	5°47	15°20	22° 4	25°50	8°36	5°10	18°54	12° 6	13°29	6°29	10°11	F 29
S 30	12 30 57	9°40'05	18° 2	29°38	5°41	16° 2	22° 0	25°46	8°39	5°12	18°54	12°D 6	13°26	6°36	10°14	S 30
S 31	12 34 53	10 <b>Y</b> 39'10	29 <b>Ⅱ</b> 54	1 <b>Y</b> 32	5 <b>8</b> 32	16 <b>8</b> 44	21 <b>M</b> .56	25 <b>m</b> /41	8 <b>8</b> 43	5 <b>)</b> 14	18953	12 <b>II</b> 7	13 <b>Ⅲ</b> 23	69543	10818	S 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
F 1 S 2	7 s30 7 7					17s21 1n10 17 21 1 10		13n36 0s24 13 37 0 24				22n38 25n 4 22 38 25 5	
S 3 M 4	-	25 4 1 38	16 58 1 1: 16 41 1 2	0 14 29 4 21	10 52 0 11		3 12 2 32	13 38 0 24	10 40 0 45	23 24 1 17	22 38 2	22 37 25 5 22 37 25 6	12 47 1 46
T 5 W 6 T 7	5 58 5 35 5 12			3 15 12 4 37	11 24 0 13	17 21 1 10 17 21 1 10 17 21 1 10	3 14 2 32 3 16 2 32 3 18 2 32	13 40 0 24	10 38 0 45	23 24 1 17	22 37 2	22 36 25 7 22 36 25 7 22 36 25 8	12 48 1 46 12 49 1 46 12 50 1 46
F 8 S 9	4 48 4 25		15 21 1 4 14 58 1 5			17 21 1 11 17 21 1 11	3 20 2 32 3 22 2 32	-					12 51 1 46 12 52 1 46
S 10 M11 T 12	4 1 3 38 3 14	9 28 4 59 4 3 4 47 1 s 38 4 19	14 7 1 5 13 40 2	9 16 51 5 15 3 17 9 5 23	12 41 0 16 12 57 0 17	17 20 1 11 17 20 1 11 17 20 1 11	3 26 2 33 3 28 2 33	13 44 0 24 13 45 0 24	10 34 0 45 10 33 0 45	23 25 1 18 23 25 1 18	22 31 2 22 29 2	22 35 25 10 22 34 25 10 22 34 25 11	12 54 1 46 12 55 1 46
W13 T 14 F 15	2 51 2 27 2 3	17 37 1 34	12 41 2 1 12 10 2 1	9 17 43 5 37 2 17 59 5 45	13 27 0 18 13 41 0 19	17 20 1 11 17 19 1 11 17 19 1 12	3 32 2 33 3 34 2 33	13 47 0 24 13 48 0 24	10 32 0 45 10 31 0 45	23 25 1 18 23 25 1 18	22 27 2 22 27 2	22 33 25 12 22 33 25 13	
S 16 S 17 M18		24 11 0s52	11 4 2 1	6 18 28 5 59		17 18 1 12 17 18 1 12 17 17 1 12		13 50 0 24	10 29 0 45	23 26 1 18	22 27 2	22 32 25 14	12 59 1 46 13 0 1 46 13 1 1 46
T 19 W20	0 29 0 5	24 50 3 8 22 44 4 0	9 52 2 1 9 15 2 1	8 18 55 6 12 8 19 7 6 19	14 39 0 22 14 53 0 22	17 17 1 12 17 16 1 12	3 41 2 33 3 43 2 33	13 52 0 24 13 52 0 24	10 28 0 45 10 27 0 46	23 26 1 18 23 26 1 18	22 27 2 22 26 2	22 31 25 15 22 31 25 15	13 2 1 46 13 3 1 46
T 21 F 22 S 23	0n19 0 42 1 6	14 38 4 58	7 56 2 1	8 19 28 6 31	15 21 0 24		3 47 2 33	13 53 0 24 13 54 0 24 13 55 0 24	10 26 0 46	23 26 1 18	22 24 2		13 4 1 46 13 5 1 46 13 6 1 46
S 24 M25	1 30 1 53	2n 9 4 14	5 49 2 1	3 19 52 6 48	16 2 0 25		3 53 2 33	13 57 0 24	10 23 0 46	23 26 1 18	22 20 2		13 8 1 46
T 26 W27 T 28	2 17 2 40 3 4	17 13 1 36	4 19 2 3 32 2	8 20 3 6 57 4 20 6 7 2	16 29 0 27 16 42 0 27	17 9 1 13	3 56 2 33 3 58 2 33	14 0 0 24	10 22 0 46 10 21 0 46	23 26 1 18 23 26 1 18	22 18 2 22 17 2	22 28 25 19 22 28 25 20	13 9 1 46 13 10 1 46 13 11 1 46
F 29 S 30 S 31	3 50	20 49 0 32 23 28 0n32 25n 3 1n34	1 55 1 5	6 20 10 7 9			4 0 2 33 4 2 2 33 4n 3 2n33	14 2 0 24	10 20 0 46	23 26 1 18	22 17 2	22 27 25 20 22 27 25 21 22n27 25n21	13 14 1 47

Julian Day Number = 2336918.5, Delta T = 20.31 sec Ecliptic obliquity =  $23^{\circ}28'51$ , Nutation = - $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}21'34$ , Lahiri =  $19^{\circ}28'35$ Greg. Calendar

APRIL 1686 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	В	S.	v	Ç	Ŗ	Day
M 1	12 38 50	11 <b>Y</b> 38'12	119542	<b>3</b> Υ28	5°R21	17 <b>8</b> 25	21°R52	25°R37	8 <b>8</b> 46	5 <b>)</b> (16	18°D53	12°R 7	13 <b>II</b> 19	69349	10822	M 1
T 2	12 42 46	12°37'12	23°33	5°25	5 <b>8</b> 8	18° 7	21 <b>M</b> .48	25 Mp 33	8°49	5°18	18953	12 <b>II</b> 7	13°16	6°56	10°26	T 2
W 3	12 46 43	13°36'10	5 <b>Ω</b> 32	7°23	4°52	18°49	21°43	25°28	8°52	5°20	18°54	12° 4	13°13	7° 3	10°29	W 3
T 4	12 50 39	14°35'05	17°44	9°22	4°34	19°30	21°39	25°24	8°55	5°22	18°54	11°59	13°10	7° 9	10°33	T 4
F 5	12 54 36	15°33'58	0 <b>m</b> 12	11°23	4°13	20°12	21°34	25°20	8°59	5°23	18°54	11°52	13° 7	7°16	10°37	F 5
S 6	12 58 33	16°32'49	12°59	13°25	3°50	20°53	21°29	25°15	9° 2	5°25	18°54	11°44	13° 4	7°23	10°41	S 6
S 7	13 2 29	17°31'37	26° 6	15°29	3°25	21°34	21°24	25°11	9° 5	5°27	18°54	11°34	13° 0	7°29	10°45	S 7
M 8	13 6 26	18°30'24	9 <b>≏</b> 34	17°33	2°58	22°16	21°18	25° 7	9°8	5°29	18°54	11°25	12°57	7°36	10°49	M 8
T 9	13 10 22	19°29'08	23°19	19°38	2°29	22°57	21°13	25° 3	9°12	5°31	18°54	11°17	12°54	7°42	10°53	T 9
W10	13 14 19	20°27'51	7 <b>M</b> .18	21°44	1°58	23°38	21° 8	24°59	9°15	5°32	18°54	11°11	12°51	7°49	10°57	W10
T 11	13 18 15	21°26'31	21°27	23°51	1°25	24°20	21° 2	24°55	9°18	5°34	18°55	11° 7	12°48	7°56	11° 1	T 11
F 12	13 22 12	22°25'10	5 <b>₹</b> 42	25°58	0°51	25° 1	20°56	24°51	9°22	5°36	18°55	11°D 5	12°44	8° 2	11° 5	F 12
S 13	13 26 8	23°23'47	19°59	28° 5	0°16	25°42	20°50	24°47	9°25	5°38	18°55	11° 5	12°41	8° 9	11° 9	S 13
S 14	13 30 5	24°22'23	4 <b>ට</b> 15	0812	29 <b>Y</b> 40	26°23	20°44	24°43	9°28	5°39	18°56	11° 7	12°38	8°16	11°13	S 14
M15	13 34 2	25°20'57	18°27	2°18	29° 3	27° 4	20°38	24°40	9°32	5°41	18°56	11° 8	12°35	8°22	11°17	M15
T 16	13 37 58	26°19'29	2≈34	4°24	28°25	27°45	20°32	24°36	9°35	5°42	18°56	11°R 8	12°32	8°29	11°21	T 16
W17	13 41 55	27°18'00	16°35	6°29	27°47	28°26	20°25	24°32	9°39	5°44	18°57	11° 6	12°29	8°36	11°25	W17
T 18	13 45 51	28°16'29	0 <b>∺</b> 27	8°33	27° 9	29° 7	20°19	24°29	9°42	5°46	18°57	11° 2	12°25	8°42	11°29	T 18
F 19	13 49 48	29°14'56	14°11	10°35	26°32	29°48	20°12	24°25	9°45	5°47	18°57	10°57	12°22	8°49	11°33	F 19
S 20	13 53 44	0813'22	27°43	12°35	25°55	0П29	20° 5	24°22	9°49	5°49	18°58	10°51	12°19	8°56	11°37	S 20
S 21	13 57 41	1°11'46	11 <b>°</b> 2	14°32	25°18	1°10	19°59	24°19	9°52	5°50	18°58	10°44	12°16	9° 2	11°41	S 21
M22	14 1 37	2°10'08	24° 8	16°28	24°43	1°51	19°52	24°16	9°56	5°52	18°59	10°38	12°13	9° 9	11°45	M22
T 23	14 5 34	3° 8'28	6 <b>8</b> 58	18°20	24° 8	2°31	19°45	24°12	9°59	5°53	18°59	10°32	12°10	9°16	11°50	T 23
W24	14 9 31	4° 6'47	19°33	20° 9	23°35	3°12	19°38	24° 9	10° 3	5°55	19° 0	10°29	12° 6	9°22	11°54	W24
T 25	14 13 27	5° 5'03	1耳53	21°55	23° 4	3°53	19°31	24° 6	10° 6	5°56	19° 1	10°27	12° 3	9°29	11°58	T 25
F 26	14 17 24	6° 3'18	14° 0	23°38	22°34	4°34	19°23	24° 3	10°10	5°57	19° 1	10°D26	12° 0	9°36	12° 2	F 26
S 27	14 21 20	7° 1'31	25°58	25°17	22° 6	5°14	19°16	24° 1	10°13	5°59	19° 2	10°27	11°57	9°42	12° 6	S 27
S 28	14 25 17	7°59'42	79549	26°52	21°40	5°55	19° 9	23°58	10°17	6° 0	19° 2	10°29	11°54	9°49	12°10	S 28
M29	14 29 13	8°57'51	19°37	28°24	21°16	6°35	19° 1	23°55	10°20	6° 1	19° 3	10°31	11°50	9°56	12°15	M29
T 30	14 33 10	9 <b>8</b> 55'58	$1\Omega 29$	29 <b>8</b> 51	20 <b>Y</b> 54	7 <b>I</b> I16	18ML54	23 m 53	10824	6 <b>∀</b> 2	1995 4	10∏32	11 <b>Ⅱ</b> 47	1095 2	12819	T 30

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M 1 T 2	4n37 5 0	25n29 2n32 24 45 3 23				17s 5 1n14		14n 4 0s24			22n17 :				s47
$\begin{bmatrix} 1 & 2 \\ W & 3 \end{bmatrix}$	5 23				17 44 0 30 17 56 0 31						22 17 2				47
T 4	5 46		2 25 1 20			· ·					22 16	-	-		47
F 5	6 8		3 19 1 18								22 15	-			47
S 6	6 31	11 24 5 5	4 14 1 10	0 19 39 7 16	18 32 0 32	16 58 1 14	4 13 2 33	14 10 0 24	10 15 0 46	23 27 1 19	22 14	22 24	25 24	13 22 1	47
S 7	6 54	6 4 4 56	5 9 1 2	2 19 28 7 15	18 43 0 33	16 57 1 14	4 15 2 33	14 11 0 24	10 14 0 46	23 27 1 19	22 13	22 24	25 24	13 23 1	47
M 8	7 16	0 21 4 30	6 5 0 5		18 54 0 33			14 12 0 24			22 11				47
T 9	7 38	5 s 3 2 3 4 8	7 2 0 43		19 5 0 34						22 10				47
W10	8 0	11 10 2 22	7 58 0 3			16 53 1 14					22 9	-		-	47
T 11	-	16 29 1 44				16 51 1 14	_			23 27 1 19		22 22			47
F 12 S 13	9 6	20 49 0 29 23 54 0s48				16 50 1 14 16 48 1 14				23 27 1 19 23 27 1 19		22 22 22 21			47
	9 6	23 34 0848	10 46 0 .	3 1/ 3/ 6 49			4 24 2 32	14 1/ 0 23	10 11 0 46	23 27 1 19	22 9 .	22 21	25 21	13 30 1	4/
S 14	9 28		11 41 0n			16 46 1 14	-	14 18 0 23		23 27 1 19	-	22 21			47
M15	9 49		12 36 0 19				4 27 2 32					22 21			47
T 16	-		13 29 0 30		20 18 0 38			14 20 0 23				22 20			47
W17		-	14 21 0 4			16 41 1 15		14 21 0 23				22 20			47
T 18 F 19	10 53		15 12 0 52			16 40 1 15	-	14 23 0 23		23 26 1 19		22 19			47
	11 14		16 0 1 1 16 48 1 11			16 38 1 15 16 36 1 15	-	14 24 0 23 14 25 0 23		23 26 1 19 23 26 1 19		22 19 22 19			48
S 21	11 55			3 14 57 5 32		16 34 1 15						22 18			48
M22 T 23	12 15 12 35		18 16 1 32		21 14 0 41 21 22 0 41	16 32 1 15		14 27 0 23 14 28 0 23			-	22 18		_	48
W24			18 56 1 4 19 35 1 50		21 22 0 41 21 31 0 41	16 30 1 15 16 28 1 15		14 28 0 23				22 17 22 17			48
T 25					21 31 0 41 21 39 0 42		4 38 2 31 4 39 2 31				- 1	22 17			48
F 26	-					16 27 1 13		14 30 0 23				22 17			48
S 27						16 23 1 15		14 31 0 23		23 26 1 19		22 16			48
S 28			21 43 2 1			16 21 1 15		14 33 0 23		23 26 1 19		22 15			48
M29	_	25 19 3 18	-		22 10 0 44			14 35 0 23				-			48
T 30	14n49	23n50 4n 4	22n32 2n20	6 11n23 3n29	22n17 0n44	16s17 ln14	4n44 2n30	14n36 0s23	10s 2 0s47	23n26 1n19	22n 4	22n14	25n32	13n50 1	s48

 $\label{eq:Julian Day Number = 2336949.5, Delta T = 20.27 sec} \\ Ecliptic obliquity = 23°28'51, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°21'38, Lahiri = 19°28'39Greg. Calendar \\ \\$ 

MAY 1686 GC 00:00 UT

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Day	Sid.t	$\odot$	D	Ϋ́	φ	♂ <sup>1</sup>	4	ħ	)f(	<del>\</del>	Р	r	Ω	Ç	& &	Day
W 1	14 37 6	10854'04	13 <b>\O</b> 28	1 <b>I</b> I15	20°R35	7 <b>II</b> 57	18°R47	23°R50	10827	6 <b>)</b> 4	1995 4	10°R32	11 <b>II</b> 44	1095 9	12823	W 1
T 2	14 41 3	11°52'07	25°39	2°34	20 <b>Υ</b> 18	8°37	18 <b>M</b> .39	23 Mp 48	10°30	6° 5	19° 5	10耳31	11°41	10°16	12°27	T 2
F 3	14 45 0	12°50'08	8 Mg 8	3°50	20° 3	9°17	18°32	23°46	10°34	6° 6	19° 6	10°29	11°38	10°22	12°31	F 3
S 4	14 48 56	13°48'07	20°57	5° 1	19°51	9°58	18°24	23°43	10°37	6° 7	19° 7	10°26	11°35	10°29	12°36	S 4
S 5	14 52 53	14°46'05	4 <b>₽</b> 9	6° 7	19°41	10°38	18°16	23°41	10°41	6° 8	19°8	10°22	11°31	10°36	12°40	S 5
M 6	14 56 49	15°44'00	17°45	7°10	19°33	11°18	18° 9	23°39	10°44	6° 9	19°8	10°19	11°28	10°42	12°44	M 6
T 7	15 0 46	16°41'54	1 <b>M</b> .44	8° 7	19°28	11°59	18° 1	23°37	10°48	6°10	19° 9	10°15	11°25	10°49	12°48	T 7
W 8	15 4 42	17°39'47	16° 2	9° 1	19°26	12°39	17°53	23°36	10°51	6°11	19°10	10°13	11°22	10°56	12°52	W 8
T 9	15 8 39	18°37'38	0 <b>∡</b> ³35	9°49	19°D25	13°19	17°46	23°34	10°55	6°12	19°11	10°12	11°19	11° 2	12°57	T 9
F 10	15 12 35	19°35'27	15°16	10°33	19°27	13°59	17°38	23°32	10°58	6°13	19°12	10°D12	11°15	11° 9	13° 1	F 10
S 11	15 16 32	20°33'16	29°59	11°13	19°32	14°40	17°31	23°31	11° 2	6°14	19°13	10°12	11°12	11°16	13° 5	S 11
S 12	15 20 29	21°31'03	14 <b>궁</b> 37	11°48	19°39	15°20	17°23	23°29	11° 5	6°15	19°14	10°14	11° 9	11°22	13° 9	S 12
M13	15 24 25	22°28'49	29° 5	12°17	19°47	16° 0	17°15	23°28	11°8	6°16	19°15	10°15	11° 6	11°29	13°13	M13
T 14	15 28 22	23°26'33	13 <b>≈</b> 21	12°42	19°58	16°40	17° 8	23°27	11°12	6°17	19°16	10°16	11° 3	11°36	13°17	T 14
W15	15 32 18	24°24'17	27°21	13° 3	20°12	17°20	17° 0	23°25	11°15	6°18	19°17	10°R16	11° 0	11°42	13°22	W15
T 16	15 36 15	25°21'59	11 <b>)</b> 5	13°18	20°27	18° 0	16°53	23°24	11°19	6°18	19°18	10°15	10°56	11°49	13°26	T 16
F 17	15 40 11	26°19'41	24°33	13°28	20°44	18°40	16°45	23°24	11°22	6°19	19°19	10°14	10°53	11°56	13°30	F 17
S 18	15 44 8	27°17'21	7 <b>Ƴ</b> 45	13°34	21° 3	19°20	16°38	23°23	11°25	6°20	19°20	10°13	10°50	12° 2	13°34	S 18
S 19	15 48 4	28°15'00	20°43	13°R35	21°23	20° 0	16°30	23°22	11°29	6°21	19°21	10°11	10°47	12° 9	13°38	S 19
M20	15 52 1	29°12'38	3 <b>8</b> 26	13°32	21°46	20°40	16°23	23°21	11°32	6°21	19°22	10° 9	10°44	12°16	13°42	M20
T 21	15 55 58	0 <b>Ⅱ</b> 10′16	15°56	13°24	22°10	21°19	16°16	23°21	11°35	6°22	19°23	10° 8	10°41	12°22	13°46	T 21
W22	15 59 54	1° 7'52	28°14	13°11	22°36	21°59	16° 9	23°20	11°39	6°22	19°24	10° 8	10°37	12°29	13°50	W22
T 23	16 3 51	2° 5'27	10∏22	12°55	23° 4	22°39	16° 1	23°20	11°42	6°23	19°25	10°D 7	10°34	12°36	13°54	T 23
F 24	16 7 47	3° 3'00	22°22	12°35	23°33	23°19	15°54	23°20	11°45	6°23	19°27	10° 7	10°31	12°42	13°58	F 24
S 25	16 11 44	4° 0'33	49915	12°11	24° 3	23°59	15°47	23°20	11°49	6°24	19°28	10° 8	10°28	12°49	14° 2	S 25
S 26	16 15 40	4°58'04	16° 4	11°45	24°35	24°38	15°41	23°D20	11°52	6°24	19°29	10° 9	10°25	12°56	14° 6	S 26
M27	16 19 37	5°55'35	27°53	11°16	25° 8	25°18	15°34	23°20	11°55	6°25	19°30	10° 9	10°21	13° 2	14°10	M27
T 28	16 23 33	6°53'04	9 <b>Ω</b> 45	10°46	25°42	25°58	15°27	23°20	11°58	6°25	19°31	10° 9	10°18	13° 9	14°14	T 28
W29	16 27 30	7°50'31	21°44	10°13	26°18	26°37	15°20	23°20	12° 2	6°26	19°33	10°10	10°15	13°16	14°18	W29
T 30	16 31 27	8°47'57	3 <b>m</b> 54	9°40	26°55	27°17	15°14	23°21	12° 5	6°26	19°34	10°10	10°12	13°22	14°22	T 30
F 31	16 35 23	9 <b>Ⅱ</b> 45'23	16 <b>m</b> 20	9 <b>I</b> 6	27 <b>Y</b> 33	27 <b>II</b> 56	15 <b>™</b> 7	23 Mp 21	12 <b>8</b> 8	6 <b>∺</b> 26	19935	10 <b>耳</b> 10	10耳 9	13929	14826	F 31

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F 3 S 4	15 43 16 1				2 46 22 38 2 32 22 44	0 45 0 46		1 14 1 14	4 46 4 47	-	14 39 14 40	0 23 0 23		7 23 20 7 23 20			22 13 22 13		13 54 13 55	1 49 1 49
S 5 M 6	16 18 16 35	3 s 8 4 10	0 24 2 2	2 32 9 35	2 18 22 51 2 4 22 57		16 5	1 14 1 14	4 47 4 48	2 29	14 41 14 42		10 0 0 4		1 20	22 2	22 12		13 58	1 49 1 49
T 7 W 8 T 9		14 36 2 9 19 27 0 5	9 24 15 2 3 24 18 2	2 26 9 7 2 22 8 55	1 51 23 3 1 38 23 8 1 25 23 14	0 47 0 48	16 1 15 58	1 14 1 14 1 14	4 49 4 49 4 50	2 29 2 28	14 43 14 44 14 45	0 23 0 23	9 59 0 4 9 59 0 4 9 59 0 4	7 23 2: 7 23 2:	1 20 1 20	22 1 22 1	22 11 22 11 22 10	25 34 25 34	14 1	1 49 1 49 1 49
F 10 S 11	17 40 17 55	25 16 1 4	7 24 18 2	2 10 8 35	1 12 23 19 1 0 23 24	0 48 1	15 54	1 14 1 14	4 50 4 51	2 28	14 47 14 48			7 23 2:	1 20	22 1	22 10 22 10	25 35	14 3	1 49 1 49
S 12 M13 T 14		24 16 3 5		1 54 8 19	0 48 23 29 0 36 23 34 0 25 23 38	0 49 1 0 49 1 0 50	15 50	1 14 1 14 1 13	4 51 4 51 4 52	2 28	14 49 14 50 14 51		9 58 0 4 9 57 0 4 9 57 0 4	7 23 2	1 20	22 1	22 9 22 9 22 8	<ul><li>25 35</li><li>25 35</li><li>25 35</li></ul>	14 5 14 6 14 7	1 49 1 49 1 50
W15 T 16 F 17 S 18	18 54 19 8 19 22 19 35	12 17 5 10 6 51 5		1 22 8 3 1 10 8 0	0 14 23 42 0 3 23 47 0s 7 23 50 0 17 23 54	0 51	15 44 15 42	1 13 1 13 1 13 1 13	4 52 4 52 4 52 4 53	2 27 2 27		0 23 0 23 0 23 0 23	9 57 0 4 9 57 0 4 9 56 0 4 9 56 0 4	7 23 24	1 1 20 1 1 20	22 2 22 1		25 35 25 35 25 36 25 36		1 50 1 50 1 50 1 50
S 19 M20	19 48 20 1	4n23 4 9 42 3 10	1 23 10 0 0 22 55 0	0 42 7 56	0 27 23 58 0 36 24 1	0 52 0 52	15 38 15 36	1 13 1 13 1 13	4 53 4 53	2 26	14 56			7 23 24	1 20	22 1 22 1	22 6 22 6	25 36 25 36	14 12 14 14	1 50 1 50 1 50
T 21 W22 T 23		18 44 1	5 22 21 (	0s 4 7 59	0 45 24 4 0 54 24 7 1 2 24 9	0 52 1 0 53 1 0 53 1	15 32	1 13 1 12 1 12	4 53 4 53 4 53		14 58 14 59 15 0	0 23	9 56 0 4 9 55 0 4 9 55 0 4	7 23 24	1 20	22 0	22 5	<ul><li>25 36</li><li>25 36</li><li>25 36</li></ul>		1 50 1 50 1 51
F 24 S 25	20 48 20 59				1 10 24 12 1 18 24 14	0 53 0 54		1 12 1 12	4 53 4 52	2 25 2 25		0 23 0 23	9 55 0 4 9 55 0 4	7 23 24 8 23 23				25 36 25 36		1 51 1 51
M27	21 20	24 28 3 5	5 20 41	1 30 8 19	1 25 24 16 1 32 24 18 1 39 24 20	0 54 1 0 54 1 0 55 1	15 23	1 12 1 12 1 11	4 52 4 52 4 52	2 25 2 25 2 25	15 4	0 23	9 55 0 4 9 55 0 4 9 55 0 4	8 23 2	1 20	22 1	22 2	25 37 25 37 25 37	14 21	1 51 1 51 1 51
W29 T 30	21 39	19 2 5 14 59 5 1	1 19 58 2 6 19 37 2	2 4 8 32 2 21 8 39	1 46 24 21 1 52 24 22 1 s58 24n23	0 55 0 55 0 n56	15 20 15 18	1 11 1 11 1 11	4 51 4 51 4n51	2 24 2 24	15 6	0 23 0 23	9 54 0 4 9 54 0 4	-	3 1 20 1 20	22 1 22 1	22 1	25 37 25 37	14 23 14 24	1 51 1 51 1 s52

Julian Day Number = 2336979.5, Delta T = 20.23 sec Ecliptic obliquity =  $23^{\circ}28'51$ , Nutation = -  $0^{\circ}00'17$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}21'42$ , Lahiri =  $19^{\circ}28'43$ Greg. Calendar

JUNE 1686 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)/(	并	Р	ß	Ω	ţ	, k	Day
S 1	16 39 20	10∏42'46	29 Mp 6	8°R33	28 <b>Y</b> 12	28Ⅲ36	15°R 1	23 <b>m</b> 22	12 <b>8</b> 11	6 <b>∺</b> 26	19936	10 <b>II</b> 10	10 <b>I</b> I 6	13936	14830	S 1
S 2	16 43 16	11°40'09	12 <b>≏</b> 15	8 <b>I</b> 1	28°53	29°15	14 <b>M</b> 55	23°22	12°14	6°27	19°38	10°10	10° 2	13°42	14°34	S 2
M 3	16 47 13	12°37'31	25°50	7°29	29°34	29°55	14°49	23°23	12°17	6°27	19°39	10°10	9°59	13°49	14°38	M 3
T 4	16 51 9	13°34'51	9 <b>M</b> 52	7° 0	0816	0ഇ34	14°43	23°24	12°21	6°27	19°40	10°10	9°56	13°56	14°42	T 4
W 5	16 55 6	14°32'11	24°17	6°33	0°59	1°14	14°37	23°25	12°24	6°27	19°42	10°11	9°53	14° 2	14°45	W 5
T 6	16 59 2	15°29'30	9 <b>.</b> ₹ 3	6° 9	1°43	1°53	14°31	23°26	12°27	6°27	19°43	10°R11	9°50	14° 9	14°49	T 6
F 7	17 2 59	16°26'48	24° 2	5°48	2°28	2°32	14°26	23°27	12°30	6°27	19°45	10°11	9°47	14°16	14°53	F 7
S 8	17 6 56	17°24'06	9 <b>궁</b> 6	5°31	3°14	3°12	14°20	23°29	12°33	6°R27	19°46	10°10	9°43	14°22	14°57	S 8
S 9	17 10 52	18°21'23	24° 7	5°17	4° 1	3°51	14°15	23°30	12°36	6°27	19°47	10° 9	9°40	14°29	15° 0	S 9
M10	17 14 49	19°18'39	8≈56	5° 8	4°49	4°30	14°10	23°32	12°39	6°27	19°49	10°8	9°37	14°36	15° 4	M10
T 11	17 18 45	20°15'55	23°27	5° 3	5°37	5° 9	14° 5	23°33	12°42	6°27	19°50	10° 7	9°34	14°42	15° 8	T 11
W12	17 22 42	21°13'11	7 <b>)</b> €36	5°D 3	6°26	5°49	14° 0	23°35	12°44	6°27	19°52	10° 7	9°31	14°49	15°11	W12
T 13	17 26 38	22°10'26	21°22	5° 7	7°16	6°28	13°55	23°37	12°47	6°27	19°53	10°D 6	9°27	14°56	15°15	T 13
F 14	17 30 35	23° 7'42	<b>4Υ</b> 45	5°15	8° 6	7° 7	13°51	23°39	12°50	6°27	19°55	10° 7	9°24	15° 2	15°18	F 14
S 15	17 34 31	24° 4'57	17°46	5°28	8°57	7°46	13°46	23°41	12°53	6°27	19°56	10° 7	9°21	15° 9	15°22	S 15
S 16	17 38 28	25° 2'11	0 <b>8</b> 29	5°46	9°49	8°25	13°42	23°43	12°56	6°26	19°57	10° 9	9°18	15°16	15°25	S 16
M17	17 42 25	25°59'26	12°56	6° 9	10°41	9° 5	13°38	23°45	12°59	6°26	19°59	10°10	9°15	15°22	15°29	M17
T 18	17 46 21	26°56'40	25°11	6°36	11°34	9°44	13°34	23°47	13° 1	6°26	20° 0	10°11	9°12	15°29	15°32	T 18
W19	17 50 18	27°53'55	7 <b>Ⅱ</b> 16	7° 8	12°27	10°23	13°30	23°50	13° 4	6°25	20° 2	10°R12	9° 8	15°36	15°36	W19
T 20	17 54 14	28°51'09	19°13	7°44	13°21	11° 2	13°27	23°52	13° 7	6°25	20° 4	10°11	9° 5	15°42	15°39	T 20
F 21	17 58 11	29°48'23	195 6	8°25	14°16	11°41	13°23	23°55	13° 9	6°25	20° 5	10°10	9° 2	15°49	15°42	F 21
S 22	18 2 7	09545'36	12°55	9°10	15°11	12°20	13°20	23°57	13°12	6°24	20° 7	10° 8	8°59	15°56	15°45	S 22
S 23	18 6 4	1°42'49	24°44	9°59	16° 6	12°59	13°17	24° 0	13°14	6°24	20° 8	10° 5	8°56	16° 2	15°49	S 23
M24	18 10 1	2°40'02	6€34	10°53	17° 2	13°38	13°14	24° 3	13°17	6°23	20°10	10° 1	8°53	16° 9	15°52	M24
T 25	18 13 57	3°37'15	18°28	11°51	17°59	14°17	13°11	24° 6	13°19	6°23	20°11	9°58	8°49	16°16	15°55	T 25
W26	18 17 54	4°34'27	0 <b>m</b> 30	12°53	18°55	14°56	13° 9	24° 9	13°22	6°22	20°13	9°54	8°46	16°22	15°58	W26
T 27	18 21 50	5°31'39	12°41	13°59	19°53	15°35	13° 6	24°12	13°24	6°22	20°14	9°51	8°43	16°29	16° 1	T 27
F 28	18 25 47	6°28'51	25° 6	15° 9	20°50	16°13	13° 4	24°15	13°27	6°21	20°16	9°50	8°40	16°36	16° 4	F 28
S 29	18 29 43	7°26'02	7 <b>≏</b> 48	16°23	21°48	16°52	13° 2	24°18	13°29	6°21	20°18	9°D49	8°37	16°43	16° 7	S 29
S 30	18 33 40	8923'13	20₽52	17 <b>Ⅲ</b> 42	22847	17931	13 <b>M</b> 0	24 Mp 22	13 <b>8</b> 31	6 <b>∺</b> 20	209519	9耳50	8Д33	169649	16810	S 30

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S 1	22n 5	4n57 5	5n 0 18n	57 2 s	51 8n56	2 s 3 24n24	0n56	15 s 15	1n11	4n50	2n24	15n 9	0 s23	9 s 5 4	0 s48	23n22	1n21	22n 1	22n 0	25n37	14n26	1 s52
S 2	22 13		4 29 18		5 9 5	2 9 24 2:		15 13	1 10	4 50		15 10		9 54		23 22	1 21			25 37		1 52
M 3	22 21			-	18 9 15	2 14 24 25		15 11	1 10	4 49	2 23	-		9 54	0 48	-	1 21			25 37		1 52
T 4 W 5	22 28 22 35		2 41 18 1 27 17	_	30 9 25 40 9 36	2 19 24 25 2 23 24 26		15 10 15 8	1 10 1 10	4 49 4 48	2 23	15 12 15 13		9 54 9 54	0 48 0 48	-	1 21 1 21			25 37 25 37		1 52 1 52
T 6	22 41		0 6 17	-	50 9 47	2 23 24 20 2 27 24 25			1 10	4 47		15 13		9 54	0 48	-	1 21		21 58		14 30	1 52
F 7	22 47	24 37 1	1s16 17	25 3	58 9 59	2 32 24 2			1 9	4 47	2 22	15 15	0 23	9 54	0 48		1 21			25 37	14 32	1 53
S 8	22 53	25 43 2	2 34 17	15 4	4 10 11	2 35 24 24	0 58	15 4	1 9	4 46	2 22	15 16	0 23	9 54	0 48	23 21	1 21	22 1	21 57	25 37	14 33	1 53
S 9	22 58	24 56 3	3 40 17	8 4	10 10 23	2 39 24 24	0 58	15 3	1 9	4 45	2 22	15 17	0 23	9 54	0 48	23 21	1 21	22 1	21 56	25 37	14 34	1 53
M10			4 31 17	-1 .	14 10 36	2 42 24 23		-	1 9	4 45	2 22			9 54	0 48	-	1 21			25 37		1 53
T 11 W12		18 30 5 13 37 5	5 4 16 5 17 16		16 10 49 18 11 2	2 46 24 2 2 49 24 20	0 59		1 9 1 8	4 44 4 43	2 22 21	15 18 15 19		9 54 9 54	0 48 0 48	23 21 23 21	1 21 1 21			25 37 25 37		1 53 1 53
	23 15		5 11 16		18 11 2 18 11 15	2 49 24 20 2 51 24 18		14 59	1 8	4 43	2 21			9 54	0 48	23 20	1 21			25 37		1 53
F 14	23 18	-	4 48 17		17 11 29	2 54 24 1		14 57	1 8	4 41	2 21		0 23	9 55	0 48		1 21			25 37		1 54
S 15	23 21	3n 7	4 11 17	4 4	15 11 43	2 56 24 13	1 0	14 55	1 8	4 40	2 21	15 22	0 23	9 55	0 48	23 20	1 21	22 0	21 53	25 37	14 39	1 54
S 16	23 23	8 30 3	3 22 17	10 4	12 11 57	2 58 24 13	1 0	14 54	1 7	4 39	2 20	15 23	0 23	9 55	0 48	23 20	1 21	22 1	21 53	25 37	14 40	1 54
M17	23 25	-	2 25 17	-	8 12 12	3 0 24 10	_	14 53	1 7	4 38	2 20			9 55	0 48		1 21			25 37		1 54
_		17 46 1			3 12 26	3 2 24 8	1 0		1 7	4 37		15 24		9 55	0 48		1 21			25 37		1 54
1	23 28 23 29		0 16 17 1 0n50 17		57 12 41 50 12 56	3 4 24 3 3 5 24 2	1 1	14 52 14 51	1 7 1 6	4 36 4 35		15 25 15 26		9 55 9 55	0 48 0 48	-	1 21 1 21		21 52	25 37 25 36	14 43	1 54 1 55
	23 29		1 53 18		42 13 11	3 6 23 59		14 50	1 6	4 33	2 19		0 23	9 56	0 49		1 21		21 51		14 44	1 55
S 22	23 29	25 41 2	2 51 18	20 3	34 13 26	3 7 23 50	1 1	14 49	1 6	4 32	2 19	15 27	0 23	9 56	0 49	23 19	1 22	22 0	21 50	25 36	14 45	1 55
S 23	23 28	24 51 3	3 41 18	36 3	25 13 41	3 8 23 52	1 2	14 49	1 6	4 31	2 19	15 28	0 23	9 56	0 49	23 19	1 22	22 0	21 50	25 36	14 46	1 55
M24	23 27	22 54 4	4 22 18	53 3	15 13 56	3 9 23 48	1 2	14 48	1 5	4 30	2 19	15 29	0 23	9 56	0 49	23 19	1 22	21 59	21 49	25 36	14 47	1 55
T 25			4 52 19	_	5 14 11	3 10 23 45			1 5	4 28	2 19			9 56	0 49					25 36		1 55
W26	23 24		5 10 19		55 14 26	3 10 23 40			1 5	4 27	2 18			9 57						25 36		1 56
T 27 F 28	23 22 23 19	11 38 5	5 14 19 · 5 3 20	-	44 14 41 32 14 56	3 10 23 30 3 10 23 32			1 5 1 4	4 25 4 24	2 18	15 31 15 32	0 23 0 23	9 57 9 57	0 49 0 49					25 36 25 35		1 56 1 56
S 29	23 16		3 3 20 4 37 20 1		20 15 11	3 10 23 32		14 46	1 4	4 24		15 32		9 57		23 18				25 35		1 56
	23n13		3n57 20n		8 15n26			14 s45		4n21		15n33		9 s 5 8		23n18					14n51	
3 30	231113	4830 3	20n	+/ ZS	0 131120	3 S10 23N2.	111 3	14843	111 4	41121	21118	131133	0823	9838	0 849	231118	11122	Z11138	211140	231133	141131	1830

 $\label{eq:Julian Day Number = 2337010.5, Delta T = 20.18 sec} \\ Ecliptic obliquity = 23°28'51, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°21'47, Lahiri = 19°28'47Greg. Calendar$ 

JULY 1686 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)Å(	¥	Р	ស	Ω	Ç	ę,	Day
M 1	18 37 36	99520'24	4 <b>M</b> .19	19Ⅱ 4	23845	189510	12°R59	24 <b>m</b> 25	13 <b>8</b> 34	6°R19	209521	9 <b>Ⅲ</b> 51	8Д30	169556	16 <b>8</b> 13	M 1
T 2	18 41 33	10°17'34	18°14	20°29	24°45	18°49	12 <b>M</b> 57	24°29	13°36	6 <b>)</b> €18	20°22	9°52	8°27	17° 3	16°16	T 2
W 3	18 45 30	11°14'45	2 <b>,</b> ₹34	21°59	25°44	19°28	12°56	24°32	13°38	6°18	20°24	9°R53	8°24	17° 9	16°19	W 3
T 4	18 49 26	12°11'55	17°19	23°32	26°44	20° 6	12°55	24°36	13°40	6°17	20°25	9°53	8°21	17°16	16°22	T 4
F 5	18 53 23	13° 9'06	2 <b>る</b> 22	25° 9	27°44	20°45	12°54	24°40	13°43	6°16	20°27	9°52	8°18	17°23	16°24	F 5
S 6	18 57 19	14° 6'16	17°36	26°50	28°45	21°24	12°53	24°44	13°45	6°15	20°29	9°49	8°14	17°29	16°27	S 6
S 7	19 1 16	15° 3'27	2≈51	28°34	29°46	22° 2	12°52	24°48	13°47	6°14	20°30	9°45	8°11	17°36	16°30	S 7
M 8	19 5 12	16° 0'38	17°55	09521	0 <b>Ⅱ</b> 47	22°41	12°52	24°52	13°49	6°14	20°32	9°40	8° 8	17°43	16°32	M 8
T 9	19 9 9	16°57'50	2 <b>)</b> (41	2°11	1°48	23°20	12°52	24°56	13°51	6°13	20°34	9°34	8° 5	17°49	16°35	T 9
W10	19 13 5	17°55'02	17° 3	4° 4	2°50	23°58	12°D52	25° 0	13°53	6°12	20°35	9°30	8° 2	17°56	16°37	W10
T 11	19 17 2	18°52'15	0 <b>Υ</b> 56	6° 0	3°52	24°37	12°52	25° 5	13°55	6°11	20°37	9°27	7°59	18° 3	16°40	T 11
F 12	19 20 59	19°49'28	14°21	7°59	4°54	25°16	12°52	25° 9	13°56	6°10	20°38	9°D26	7°55	18° 9	16°42	F 12
S 13	19 24 55	20°46'42	27°21	9°59	5°57	25°54	12°52	25°13	13°58	6° 9	20°40	9°26	7°52	18°16	16°45	S 13
S 14	19 28 52	21°43'57	9 <b>8</b> 58	12° 2	7° 0	26°33	12°53	25°18	14° 0	6° 8	20°42	9°27	7°49	18°23	16°47	S 14
M15	19 32 48	22°41'12	22°17	14° 6	8° 3	27°12	12°54	25°22	14° 2	6° 7	20°43	9°28	7°46	18°29	16°49	M15
T 16	19 36 45	23°38'29	4 <b>Ⅲ</b> 23	16°11	9° 6	27°50	12°55	25°27	14° 3	6° 6	20°45	9°R29	7°43	18°36	16°52	T 16
W17	19 40 41	24°35'46	16°19	18°18	10°10	28°29	12°56	25°32	14° 5	6° 4	20°46	9°29	7°39	18°43	16°54	W17
T 18	19 44 38	25°33'04	28°10	20°25	11°13	29° 7	12°58	25°37	14° 7	6° 3	20°48	9°27	7°36	18°49	16°56	T 18
F 19	19 48 34	26°30'22	9959	22°32	12°17	29°46	12°59	25°42	14° 8	6° 2	20°50	9°23	7°33	18°56	16°58	F 19
S 20	19 52 31	27°27'42	21°47	24°40	13°22	0 <b>Ω</b> 24	13° 1	25°46	14°10	6° 1	20°51	9°17	7°30	19° 3	17° 0	S 20
S 21	19 56 28	28°25'02	3 <b>Ω</b> 38	26°47	14°26	1° 3	13° 3	25°52	14°11	6° 0	20°53	9° 9	7°27	19° 9	17° 2	S 21
M22	20 0 24	29°22'22	15°33	28°53	15°31	1°41	13° 5	25°57	14°13	5°59	20°55	9° 0	7°24	19°16	17° 4	M22
T 23	20 4 21	0 <b>Ω</b> 19'44	27°34	$1\Omega$ 0	16°36	2°20	13° 7	26° 2	14°14	5°57	20°56	8°51	7°20	19°23	17° 6	T 23
W24	20 8 17	1°17'06	9 <b>m</b> 42	3° 5	17°41	2°58	13°10	26° 7	14°15	5°56	20°58	8°41	7°17	19°29	17° 7	W24
T 25	20 12 14	2°14'28	21°59	5° 9	18°46	3°37	13°12	26°12	14°17	5°55	20°59	8°34	7°14	19°36	17° 9	T 25
F 26	20 16 10	3°11'51	4 <b>≏</b> 28	7°12	19°51	4°15	13°15	26°18	14°18	5°53	21° 1	8°28	7°11	19°43	17°11	F 26
S 27	20 20 7	4° 9'15	17°11	9°14	20°57	4°53	13°18	26°23	14°19	5°52	21° 3	8°24	7° 8	19°50	17°12	S 27
S 28	20 24 3	5° 6'39	0 <b>M</b> 12	11°14	22° 3	5°32	13°21	26°29	14°20	5°51	21° 4	8°D23	7° 5	19°56	17°14	S 28
M29	20 28 0	6° 4'04	13°33	13°13	23° 9	6°10	13°24	26°34	14°21	5°49	21° 6	8°23	7° 1	20° 3	17°16	M29
T 30	20 31 57	7° 1'30	27°17	15°11	24°15	6°49	13°28	26°40	14°22	5°48	21° 7	8°24	6°58	20°10	17°17	T 30
W31	20 35 53	7 <b>Ω</b> 58'56	11 <b>∡</b> 126	17 <b>Ω</b> 7	25Ⅲ21	$7\Omega$ 27	13 <b>M</b> .32	26 <b>m</b> 45	14 <b>8</b> 23	5 <b>) (</b> 47	2195 9	8°R24	6 <b>Ⅱ</b> 55	209516	17818	W31

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M 1 T 2	23n 9 23 5		21n 6 1s5 21 25 1 4	6 15n41 3s10 23 3 15 55 3 10 23		3 14 s45 1n 3 14 45 1	4 4n1 3 4 1		15n34 15 35	0 s23 0 23			21n58 21 58				
W 3	23 0	20 3 0 40	21 44 1 3	0 16 10 3 9 23	7 1 4	1 14 45 1	3 4 1	16 2 17	15 35	0 23	9 59 0 49	23 17 1 22	21 58	21 45	25 35	14 53 1	57
T 4 F 5	22 55 22 50	23 33 0s41 25 27 2 0		8 16 24 3 8 23 5 16 39 3 7 22	1 1 4		3 4 1 3 4 1		15 36 15 37	0 23 0 23	9 59 0 49 9 59 0 49		21 58 21 58				
S 6	22 44	25 29 3 11	22 35 0 5	2 16 53 3 6 22	50 1 4	14 44 1	2 4 1	11 2 17	15 37	0 23	9 59 0 49	23 16 1 22	21 58	21 43	25 34	14 55 1	57
S 7 M 8	22 38 22 31		22 49 0 3			1 14 45 1 5 14 45 1			15 38 15 38	0 23 0 23			21 57 21 56				58 58
T 9 W10	22 24 22 17		23 13 0 1 23 23 0		-	5 14 45 1 5 14 45 1		6 2 16 4 2 16		0 23 0 23			21 55 21 55				58 58
T 11	22 9	4 3 4 50	23 30 On	9 18 1 3 0 22	18 1 :	5 14 45 1	1 4	2 2 16	15 40	0 23	10 1 0 49	23 15 1 23	21 54	21 41	25 33	14 57 1	58
F 12 S 13	22 1 21 52		3 23 35 0 2 23 37 0 3			5 14 46 1 5 14 46 1	1 4 1 3 5		15 41 15 41		10 2 0 49 10 2 0 49		21 54 21 54				59 59
S 14 M15	-		23 37 0 4 2 23 34 0 5			5 14 47 1 5 14 47 1	0 3 5	-	15 42 15 42	0 23 0 23	10 3 0 49 10 3 0 49		21 54 21 55				59
T 16	21 24	20 36 0 28	3 23 29 1	0 19 2 2 51 21	42 1 0	5 14 48 1	0 3 5	52 2 15	15 43	0 23	10 3 0 49	23 15 1 23	21 55	21 38	25 32	15 0 1	59
W17 T 18	21 14 21 4		-	8 19 14 2 49 21 5 19 25 2 46 21	35 1 0 27 1 0						10 4 0 49 10 4 0 49		21 55 21 54			15 0 2 15 0 2	0
F 19 S 20	20 53 20 42		22 56 1 2 3 22 40 1 2			5 14 50 0 5 14 50 0			15 44 15 45	0 24 0 24	10 5 0 49 10 5 0 49		21 54 21 53				0
S 21				3 19 56 2 39 21		14 51 0			15 45		10 6 0 49	-	21 52				0
M22 T 23	20 19 20 7	20 40 4 41 17 2 5 0	22 0 1 3 21 36 1 4			7 14 52 0 7 14 53 0		-	15 45 15 46	0 24	10 6 0 50 10 7 0 50		21 50 21 49				1
W24 T 25	19 54 19 42		5 21 11 1 4 3 20 43 1 4	3 20 24 2 31 20 5 20 32 2 29 20		7 14 54 0 7 14 55 0			15 46 15 47	0 24 0 24			21 47 21 46				1
F 26	19 29	2 26 4 35	20 13 1 4	6 20 40 2 26 20	19 1 ′	7 14 56 0	57 3 3	31 2 13	15 47	0 24	10 8 0 50	23 13 1 24	21 45	21 33	25 29	15 3 2	2
S 27	19 15		19 42 1 4			14 57 0			15 47	0 24			21 45				2
S 28 M29	19 1 18 47		18 34 1 4	7 20 55 2 20 20 6 21 1 2 17 19	51 1	7 14 58 0 8 15 0 0	56 3 2	24 2 13	15 48 15 48		10 10 0 50	23 12 1 24	21 44 21 44	21 31	25 27	15 4 2	2
T 30 W31				5 21 7 2 14 19 3 21n13 2s11 19		3 15 1 0 3 15 2 0n		_	15 48 15n48	0 24 0s24		-	21 45 21n45			-	3

Julian Day Number = 2337040.5, Delta T = 20.14 sec Ecliptic obliquity =  $23^{\circ}28'51$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}21'51$ , Lahiri =  $19^{\circ}28'51$ Greg. Calendar

AUGUST 1686 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	并	В	ស	ລ	Ç	Ŗ	Day
T 1	20 39 50	8 <b>Ω</b> 56'23	25 <b>×</b> 759	19Ω 1	26耳28	8 <b>N</b> 5	13 <b>M</b> .35	26 <b>m</b> 51	14824	5°R45	219510	8°R23	6 <b>Ⅱ</b> 52	209523	17820	T 1
F 2	20 43 46	9°53'51	10 <b>궁</b> 52	20°54	27°34	8°44	13°39	26°57	14°25	5 <b>)</b> 44	21°12	8 <b>Ⅱ</b> 19	6°49	20°30	17°21	F 2
S 3	20 47 43	10°51'20	26° 0	22°46	28°41	9°22	13°44	27° 3	14°26	5°42	21°13	8°14	6°45	20°36	17°22	S 3
S 4	20 51 39	11°48'50	11≈13	24°35	29°48	10° 0	13°48	27° 9	14°27	5°41	21°15	8° 6	6°42	20°43	17°23	S 4
M 5	20 55 36	12°46'21	26°20	26°24	0955	10°39	13°52	27°15	14°28	5°39	21°17	7°56	6°39	20°50	17°24	M 5
T 6	20 59 32	13°43'53	11 <b>米</b> 13	28°11	2° 2	11°17	13°57	27°21	14°28	5°38	21°18	7°47	6°36	20°56	17°26	T 6
W 7	21 3 29	14°41'26	25°41	29°56	3°10	11°55	14° 2	27°27	14°29	5°36	21°20	7°38	6°33	21° 3	17°27	W 7
T 8	21 7 26	15°39'01	9 <b>Υ</b> 42	1 <b>m</b> 40	4°17	12°34	14° 7	27°33	14°30	5°35	21°21	7°32	6°30	21°10	17°27	T 8
F 9	21 11 22	16°36'37	23°12	3°22	5°25	13°12	14°12	27°39	14°30	5°33	21°23	7°27	6°26	21°16	17°28	F 9
S 10	21 15 19	17°34'15	6 <b>8</b> 15	5° 3	6°33	13°50	14°17	27°45	14°31	5°32	21°24	7°25	6°23	21°23	17°29	S 10
S 11	21 19 15	18°31'54	18°53	6°42	7°41	14°28	14°22	27°51	14°31	5°30	21°26	7°D24	6°20	21°30	17°30	S 11
M12	21 23 12	19°29'35	1 <b>I</b> I10	8°20	8°49	15° 7	14°28	27°58	14°32	5°29	21°27	7°R25	6°17	21°36	17°31	M12
T 13	21 27 8	20°27'18	13°14	9°56	9°58	15°45	14°34	28° 4	14°32	5°27	21°28	7°25	6°14	21°43	17°31	T 13
W14	21 31 5	21°25'02	25° 7	11°31	11° 6	16°23	14°39	28°10	14°32	5°26	21°30	7°23	6°11	21°50	17°32	W14
T 15	21 35 1	22°22'48	6956	13° 4	12°15	17° 1	14°45	28°17	14°33	5°24	21°31	7°20	6° 7	21°56	17°32	T 15
F 16	21 38 58	23°20'35	18°44	14°36	13°24	17°40	14°52	28°23	14°33	5°22	21°33	7°14	6° 4	22° 3	17°33	F 16
S 17	21 42 55	24°18'24	0 <b>Ω</b> 35	16° 7	14°32	18°18	14°58	28°30	14°33	5°21	21°34	7° 5	6° 1	22°10	17°33	S 17
S 18	21 46 51	25°16'14	12°31	17°36	15°41	18°56	15° 4	28°37	14°33	5°19	21°36	6°53	5°58	22°17	17°33	S 18
M19	21 50 48	26°14'06	24°34	19° 4	16°51	19°34	15°11	28°43	14°33	5°18	21°37	6°40	5°55	22°23	17°34	M19
T 20	21 54 44	27°12'00	6 <b>m</b> 45	20°30	18° 0	20°13	15°18	28°50	14°R33	5°16	21°38	6°27	5°51	22°30	17°34	T 20
W21	21 58 41	28° 9'55	19° 5	21°55	19° 9	20°51	15°25	28°57	14°33	5°14	21°40	6°14	5°48	22°37	17°34	W21
T 22	22 2 37	29° 7'51	1 <b>≏</b> 35	23°18	20°19	21°29	15°32	29° 3	14°33	5°13	21°41	6° 2	5°45	22°43	17°R34	T 22
F 23	22 6 34	0 <b>m</b> ) 5'49	14°15	24°39	21°28	22° 7	15°39	29°10	14°33	5°11	21°42	5°53	5°42	22°50	17°34	F 23
S 24	22 10 30	1° 3'48	27° 7	25°59	22°38	22°45	15°46	29°17	14°33	5° 9	21°44	5°47	5°39	22°57	17°34	S 24
S 25	22 14 27	2° 1'48	10 <b>M</b> .13	27°17	23°48	23°24	15°53	29°24	14°32	5° 8	21°45	5°44	5°36	23° 3	17°34	S 25
M26	22 18 24	2°59'50	23°34	28°34	24°58	24° 2	16° 1	29°31	14°32	5° 6	21°46	5°43	5°32	23°10	17°34	M26
T 27	22 22 20	3°57'53	7 <b>₹</b> 13	29°49	26° 8	24°40	16° 9	29°37	14°32	5° 4	21°47	5°43	5°29	23°17	17°33	T 27
W28	22 26 17	4°55'58	21°11	1 <u>₽</u> 2	27°18	25°18	16°16	29°44	14°31	5° 3	21°49	5°42	5°26	23°23	17°33	W28
T 29	22 30 13	5°54'04	5 <b>군</b> 29	2°13	28°28	25°56	16°24	29°51	14°31	5° 1	21°50	5°41	5°23	23°30	17°33	T 29
F 30	22 34 10	6°52'12	20° 4	3°22	29°38	26°34	16°32	29°58	14°30	5° 0	21°51	5°36	5°20	23°37	17°32	F 30
S 31	22 38 6	7 <b>m</b> 50'21	4≈53	4 <b>₾</b> 29	0 <b>Ω</b> 49	27 <b>Ω</b> 13	16 <b>M</b> .41	0 <b>쇼</b> 5	14830	4 <b>) </b> 58	21952	5 <b>Ⅱ</b> 30	5 <b>Ⅱ</b> 17	239543	17832	S 31

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T 1			3 16n44					15 s 4	0n56	3n17		15n49		10s11		23n12				25n26		2 s 3
F 2			16 5			19 12		15 5	0 55	3 14		15 49		10 12		23 12				25 26		2 3
S 3	17 32	24 40 3 4	5 15 26	1 34 21 27	2 1	19 2	1 8	15 7	0 55	3 12	2 12	15 49	0 24	10 12	0 50	23 11	1 24	21 43	21 29	25 26	15 4	2 3
S 4	17 17		14 45					15 8	0 55	3 9	2 12	15 49	0 24	10 13	0 50	23 11				25 25		2 4
M 5	17 0	17 24 4 5	7 14 4	-		18 42	1 8	15 10	0 55	3 7		15 50		10 14	0 50	23 11				25 25		2 4
T 6		-	3 13 23	1 20 21 37			1 8	-	0 54	3 4		15 50	-	10 14		23 11				25 24	15 5	2 4
W 7	16 27		3 12 41	1 15 21 39	- 1	18 20	1 8		0 54	3 2	2 12			10 15		23 11	-			25 24	15 5	2 4
T 8	16 10	0 6 4 1		1 9 21 40			1 9		0 54	2 59	2 12			10 15		23 11	-			25 23	15 5	2 4
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S 10	15 36	11 9 2 3	3 10 34	0 57 21 42	1 38	17 48	1 9	15 18	0 53	2 54	2 11	15 51	0 24	10 16	0 50	23 10	1 25	21 35	21 25	25 23	15 5	2 5
S 11	15 18	15 55 1 3	9 51	0 51 21 41	1 34	17 37	1 9	15 20	0 53	2 52	2 11	15 51	0 24	10 17	0 50	23 10	1 25	21 35	21 24	25 22	15 5	2 5
M12	15 0	19 53 0 3	9 8	0 44 21 41	1 31	17 26	1 9	15 22	0 53	2 49	2 11	15 51	0 24	10 18	0 50	23 10	1 25	21 35	21 24	25 22	15 5	2 5
T 13	14 42	22 56 0n3	8 25	0 37 21 40	1 27	17 14	1 9	15 24	0 53	2 46	2 11	15 51	0 24	10 18	0 50	23 10	1 25	21 35	21 23	25 21	15 5	2 6
W14	14 23	24 56 1 33	7 42	0 29 21 38	1 23	17 3	1 9	15 26	0 53	2 44	2 11	15 51	0 24	10 19	0 50	23 10	1 25	21 35	21 23	25 21	15 5	2 6
T 15	14 5	25 48 2 30				16 51		15 28	0 52	2 41	2 11	15 51	0 24	10 19	0 50	23 9	-			25 20		2 6
F 16	13 46	25 28 3 20		-		16 40	1 9	15 30	0 52	2 38	2 11	15 51	0 24	10 20	0 50	23 9				25 20		2 6
S 17	13 27	24 0 4	5 34	0 6 21 29	1 13	16 28	1 9	15 32	0 52	2 36	2 11	15 51	0 24	10 21	0 50	23 9	1 25	21 32	21 21	25 19	15 4	2 6
S 18	13 7	21 27 4 3	4 52	0s 2 21 25	1 9	16 16	1 9	15 34	0 52	2 33	2 11	15 51	0 24	10 21	0 50	23 9	1 25	21 30	21 20	25 19	15 4	2 7
M19	12 48	17 58 4 5	4 10	0 11 21 20	1 5	16 4	1 9	15 36	0 51	2 30	2 10	15 51	0 24	10 22	0 50	23 9	1 25	21 28	21 20	25 18	15 4	2 7
T 20	12 28	13 41 5	3 29	0 19 21 15	1 2	15 52	1 9	15 38	0 51	2 28	2 10	15 51	0 24	10 22	0 50	23 9	1 26	21 25	21 19	25 18	15 4	2 7
W21	12 8	8 49 4 5	3 2 47	0 28 21 9	0 58	15 40	1 9	15 40	0 51	2 25	2 10	15 51	0 24	10 23	0 50	23 9				25 17		2 7
T 22	11 48	3 31 4 3	1 2 6	0 37 21 3	0 54	15 28	1 9	15 43	0 51	2 22	2 10	15 51	0 24	10 24	0 50	23 9				25 17		2 8
_	11 27	2s 0 3 5	5 1 26					15 45	0 51	2 19	2 10	15 51		10 24						25 16		-
S 24	11 7	7 32 3	0 46	0 54 20 48	0 47	15 3	1 10	15 47	0 50	2 17	2 10	15 51	0 24	10 25	0 50	23 8	1 26	21 19	21 17	25 15	15 3	2 8
S 25	10 46	12 51 2 10	0 7	1 3 20 40	0 44	14 50	1 10	15 49	0 50	2 14	2 10	15 51	0 24	10 25	0 50	23 8	1 26	21 18	21 16	25 15	15 3	2 8
M26	10 25	17 40 1	0 s32	1 12 20 31	0 40	14 38	1 10	15 52	0 50	2 11	2 10	15 51	0 24	10 26	0 50	23 8	1 26	21 18	21 16	25 14	15 3	2 9
T 27	10 4	21 41 0s	1 10	1 21 20 22	0 36	14 25	1 10	15 54	0 50	2 8	2 10	15 51	0 24	10 27	0 50	23 8	1 26	21 18	21 15	25 14	15 2	2 9
W28	9 43	24 32 1 2	1 1 47	1 30 20 12	0 33	14 12	1 10	15 57	0 49	2 5	2 10	15 51	0 24	10 27	0 50	23 8	1 26	21 18	21 15	25 13	15 2	2 9
T 29	9 22	25 52 2 30	2 24	1 39 20 2	0 29	13 59	1 10	15 59	0 49	2 2	2 10	15 50	0 24	10 28	0 50	23 8	1 26	21 17	21 14	25 13	15 2	2 9
F 30	9 0	25 28 3 3	3 0	1 48 19 51	0 26	13 46	1 10	16 2	0 49	2 0	2 10	15 50	0 24	10 29	0 50	23 8	1 26	21 17	21 14	25 12	15 1	2 9
S 31	8n39	23 s16 4 s1	3 s35	1 s57 19n39	0 s22	13n33	1n10	16s 4	0n49	1n57	2n10	15n50	0 s24	10 s 29	0 s50	23n 7	1n27	21n15	21n13	25n11	15n 1	2 s10

Julian Day Number = 2337071.5, Delta T = 20.10 sec Ecliptic obliquity =  $23^{\circ}28'52$ , Nutation = -  $0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}21'55$ , Lahiri =  $19^{\circ}28'56$ Greg. Calendar

SEPTEMBER 1686 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	<del>¥</del>	В	ស	S	Ç	Ŷ,	Day
S 1	22 42 3	8 mg 48'31	19≈50	5 <b>₽</b> 34	1 <b>Q</b> 59	27 <b>Q</b> 51	16 <b>M</b> .49	0 <b>₽</b> 12	14°R29	4°R56	219554	5°R20	5 <b>Ⅱ</b> 13	239550	17°R31	S 1
M 2	22 45 59	9°46'44	4 <b>) (</b> 44	6°37	3°10	28°29	16°57	0°20	14829	4 <b>) (</b> 55	21°55	5 <b>I</b> I 9	5°10	23°57	17 <b>8</b> 30	M 2
T 3	22 49 56	10°44'57	19°28	7°37	4°21	29° 7	17° 6	0°27	14°28	4°53	21°56	4°58	5° 7	24° 4	17°30	T 3
W 4	22 53 53	11°43'13	3 <b>Υ</b> 52	8°35	5°32	29°45	17°14	0°34	14°27	4°51	21°57	4°47	5° 4	24°10	17°29	W 4
T 5	22 57 49	12°41'31	17°52	9°30	6°43	0 <b>m</b> 23	17°23	0°41	14°27	4°50	21°58	4°39	5° 1	24°17	17°28	T 5
F 6	23 1 46	13°39'50	1825	10°21	7°54	1° 1	17°32	0°48	14°26	4°48	21°59	4°33	4°57	24°24	17°27	F 6
S 7	23 5 42	14°38'12	14°30	11°10	9° 5	1°40	17°41	0°55	14°25	4°46	22° 0	4°29	4°54	24°30	17°26	S 7
S 8	23 9 39	15°36'36	27°10	11°56	10°16	2°18	17°50	1° 3	14°24	4°45	22° 1	4°28	4°51	24°37	17°25	S 8
M 9	23 13 35	16°35'02	9∏30	12°37	11°28	2°56	17°59	1°10	14°23	4°43	22° 2	4°D28	4°48	24°44	17°24	M 9
T 10	23 17 32	17°33'30	21°35	13°15	12°39	3°34	18° 9	1°17	14°22	4°42	22° 3	4°R28	4°45	24°50	17°23	T 10
W11	23 21 28	18°32'00	3929	13°49	13°51	4°12	18°18	1°24	14°21	4°40	22° 5	4°27	4°42	24°57	17°22	W11
T 12	23 25 25	19°30'33	15°19	14°18	15° 2	4°50	18°28	1°32	14°20	4°38	22° 5	4°24	4°38	25° 4	17°21	T 12
F 13	23 29 22	20°29'08	27° 9	14°42	16°14	5°28	18°37	1°39	14°19	4°37	22° 6	4°19	4°35	25°10	17°19	F 13
S 14	23 33 18	21°27'44	9 <b>Ω</b> 3	15° 1	17°26	6° 6	18°47	1°46	14°18	4°35	22° 7	4°11	4°32	25°17	17°18	S 14
S 15	23 37 15	22°26'23	21° 5	15°15	18°38	6°45	18°57	1°54	14°16	4°34	22° 8	4° 1	4°29	25°24	17°17	S 15
M16	23 41 11	23°25'04	3 <b>m</b> 16	15°23	19°50	7°23	19° 7	2° 1	14°15	4°32	22° 9	3°49	4°26	25°31	17°15	M16
T 17	23 45 8	24°23'47	15°40	15°R24	21° 2	8° 1	19°17	2° 8	14°14	4°31	22°10	3°36	4°22	25°37	17°14	T 17
W18	23 49 4	25°22'32	28°15	15°19	22°14	8°39	19°27	2°16	14°12	4°29	22°11	3°24	4°19	25°44	17°12	W18
T 19	23 53 1	26°21'19	11 <b>♀</b> 3	15° 7	23°26	9°17	19°37	2°23	14°11	4°28	22°12	3°13	4°16	25°51	17°10	T 19
F 20	23 56 57	27°20'08	24° 2	14°47	24°39	9°55	19°48	2°30	14° 9	4°26	22°13	3° 5	4°13	25°57	17° 9	F 20
S 21	0 0 54	28°18'59	7 <b>M</b> .12	14°21	25°51	10°33	19°58	2°38	14° 8	4°25	22°13	3° 0	4°10	26° 4	17° 7	S 21
S 22	0 4 50	29°17'52	20°34	13°46	27° 4	11°11	20° 9	2°45	14° 6	4°23	22°14	2°57	4° 7	26°11	17° 5	S 22
M23	0 8 47	0 <b>≏</b> 16'47	4 <b>₹</b> 6	13° 5	28°16	11°50	20°19	2°53	14° 5	4°22	22°15	2°D56	4° 3	26°17	17° 3	M23
T 24	0 12 44	1°15'43	17°50	12°17	29°29	12°28	20°30	3° 0	14° 3	4°20	22°16	2°57	4° 0	26°24	17° 1	T 24
W25	0 16 40	2°14'41	1 <b>る</b> 45	11°22	0 <b>m</b> 42	13° 6	20°41	3° 8	14° 2	4°19	22°16	2°R57	3°57	26°31	17° 0	W25
T 26	0 20 37	3°13'41	15°53	10°22	1°54	13°44	20°52	3°15	14° 0	4°17	22°17	2°57	3°54	26°37	16°58	T 26
F 27	0 24 33	4°12'43	0≈12	9°17	3° 7	14°22	21° 3	3°22	13°58	4°16	22°18	2°54	3°51	26°44	16°55	F 27
S 28	0 28 30	5°11'46	14°39	8° 9	4°20	15° 0	21°14	3°30	13°56	4°15	22°18	2°49	3°48	26°51	16°53	S 28
S 29	0 32 26	6°10'51	29°10	7° 0	5°33	15°38	21°25	3°37	13°55	4°13	22°19	2°42	3°44	26°58	16°51	S 29
M30	0 36 23	7 <b>♀</b> 9'58	13 <b>米</b> 39	5 <b>≏</b> 51	6Mp46	16 <b>m</b> 16	21 <b>M</b> .36	3 <b>≏</b> 45	13 <b>8</b> 53	4 <b>) (</b> 12	229520	2 <b>Ⅲ</b> 33	3 <b>Ⅱ</b> 41	2795 4	16 <b>8</b> 49	M30

Day	0	D	ğ	Q	♂	4	ħ	)Å(	并	Р	U	v t	Š.
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1	8n17	19 s 28 4 s 50	4s 9 2s	6 19n27 0s19 1	3n20 1n10	16s 7 0n49	1n54 2n10	15n50 0s24	10s30 0s50	23n 7 1n27	21n14 2	1n13 25n11	15n 1 2s10
M 2	7 55	14 27 5 0	4 42 2 1:		3 7 1 10				10 30 0 50		21 12 2		15 0 2 10
T 3	7 33	8 38 4 51	5 14 2 24			16 12 0 48				- '	21 10 2		15 0 2 10
W 4	7 11	2 29 4 23	5 44 2 32		2 40 1 10						- 1		1. 0) 2 11
T 5	6 48	3n38 3 40	6 14 2 4		2 27 1 10						- 1		
F 6	6 26	9 24 2 45	6 42 2 49			16 20 0 48					21 5 2		
S 7	6 4	14 34 1 44	7 8 2 5	7 18 3 On 2 1	1 59 1 10	16 23 0 47	1 37 2 9	15 48 0 24	10 33 0 50	23 7 1 27	21 5 2	1 9 25 7	14 58 2 11
S 8	-	18 56 0 39				16 25 0 47	1 34 2 9	10 .0 0 2.	10 34 0 50	23 7 1 27			14 57 2 11
M 9		22 21 0n27	7 56 3 12			16 28 0 47			10 35 0 50				
T 10		24 42 1 29	8 18 3 19			16 31 0 47							
W11	4 33		8 37 3 20			16 34 0 47			10 36 0 50				
T 12	-	25 53 3 19	8 54 3 32			16 36 0 47					21 4 2	-	
F 13		24 42 4 1	9 8 3 3			16 39 0 46					- 1		
S 14	3 23	22 25 4 33	9 20 3 42	2 16 1 0 24 1	0 22 1 10	16 42 0 46	1 16 2 9	15 46 0 24	10 38 0 50	23 6 1 28	21 1 2	1 5 25 2	14 54 2 13
S 15	3 0	19 8 4 54	9 29 3 40	6 15 42 0 27 1	0 8 1 10	16 45 0 46	1 13 2 9	15 46 0 24	10 38 0 50	23 6 1 28	20 59 2	1 4 25 2	14 54 2 13
M16	2 37	15 0 5 1	9 35 3 49		9 54 1 10			10 .0 0 2.			20 57 2	-	
T 17	2 14		9 38 3 52			16 51 0 46		10 10 0 21			20 55 2		14 52 2 13
W18	1 50	4 53 4 34	9 37 3 5			16 54 0 45					20 52 2		
T 19	1 27	0s43 3 59	9 32 3 53			16 57 0 45					20 50 2		
F 20	1 4	6 22 3 11	9 23 3 5			17 0 0 45					20 49 2		
S 21	0 40	11 51 2 13	9 10 3 49	9 13 37 0 44	8 42 1 10	17 3 0 45	0 56 2 9	15 43 0 24	10 41 0 50	23 6 1 29	20 48 2	1 1 24 57	14 50 2 14
S 22	0 17	16 52 1 6	8 53 3 4	4 13 15 0 47	8 27 1 10	17 6 0 45	0 53 2 9	15 43 0 24	10 42 0 50	23 6 1 29	20 47 2	1 0 24 56	14 49 2 15
M23	0s 7	21 6 0s 6	8 31 3 3		-	17 9 0 45		15 42 0 24	10 42 0 50		20 47 2		
T 24		24 14 1 19	8 5 3 30		7 58 1 9			10 12 0 21				0 59 24 55	
W25	0 54		7 34 3 20		7 43 1 9	-,						0 59 24 54	
T 26	1 17				7 29 1 9	17 10 0 1		10 .1 0 2.				0 58 24 53	
F 27		24 20 4 17	6 21 2 5		7 14 1 9			10 10 0 21				0 57 24 52	
S 28	2 4	21 5 4 50	5 40 2 39	9 10 53 1 1	6 59 1 9	17 24 0 44	0 35 2 9	15 40 0 24	10 45 0 50	23 6 1 29	20 46 2	0 57 24 52	14 44 2 16
S 29	2 28	16 32 5 4	4 57 2 22	2 10 29 1 4	6 44 1 9	17 27 0 44	0 32 2 10	15 39 0 24	10 46 0 50	23 6 1 29	20 44 2	0 56 24 51	14 44 2 16
M30	2 s 5 1	11 s 3 4 s 5 9	4s13 2s 3	3 10n 4 1n 6	6n29 1n 9	17 s30 0n43	0n29 2n10	15n39 0s24	10s46 0s50	23n 6 1n29	20n42 2	0n56 24n50	14n43 2s16

 $\label{eq:Julian Day Number = 2337102.5, Delta T = 20.05 sec} \\ Ecliptic obliquity = 23°28'52, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°21'59, Lahiri = 19°29'00Greg. Calendar \\ \\$ 

OCTOBER 1686 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂ <sup>1</sup>	4	ħ	)∤(	¥	В	n	ດ	Ç	ķ	Day
T 1	0 40 20	8 <b>₽</b> 9'07	28 <b>¥</b> 0	4°R44	7 m) 59	16 <b>m</b> )54	21 <b>M</b> .47	3₽52	13°R51	4°R11	22920	2°R24	3П38	279511	16°R47	T 1
W 2	0 40 20	9° 8'17	12 <b>Y</b> 7	3 <u>Ω</u> 41	9°12	17°33	21°59	3°59	13 K31	4 K 11 4 <del>X</del> 9	22°21	2 <b>K</b> 24 2 <b>Ⅱ</b> 16	3°35	27°18	16 <b>8</b> 44	W 2
T 3	0 48 13	10° 7'30	25°55	2°44	10°26	18°11	22°10	4° 7	13°47	4° 8	22°21	2° 9	3°32	27°24	16°42	T 3
F 4	0 52 9	11° 6'45	9820	1°55	11°39	18°49	22°22	4°14	13°45	4° 7	22°22	2° 5	3°28	27°31	16°40	F 4
S 5	0 56 6	12° 6'03	22°23	1°14	12°52	19°27	22°33	4°21	13°43	4° 6	22°22	2° 2	3°25	27°38	16°37	S 5
S 6	1 0 2	13° 5'22	5 <b>II</b> 3	0°43	14° 6	20° 5	22°45	4°29	13°41	4° 5	22°23	2°D 2	3°22	27°44	16°35	S 6
M 7	1 3 59	14° 4'44	17°24	0°23	15°19	20°43	22°56	4°36	13°39	4° 3	22°23	2° 3	3°19	27°51	16°32	M 7
T 8	1 7 55	15° 4'08	29°31	0°D14	16°33	21°21	23° 8	4°44	13°37	4° 2	22°23	2° 4	3°16	27°58	16°30	T 8
W 9	1 11 52	16° 3'35	119527	0°15	17°47	21°59	23°20	4°51	13°35	4° 1	22°24	2°R 5	3°13	28° 5	16°27	W 9
T 10	1 15 48	17° 3'04	23°18	0°27	19° 0	22°38	23°32	4°58	13°33	4° 0	22°24	2° 5	3° 9	28°11	16°25	T 10
F 11	1 19 45	18° 2'35	5 <b>Ω</b> 10	0°50	20°14	23°16	23°44	5° 5	13°31	3°59	22°24	2° 3	3° 6	28°18	16°22	F 11
S 12	1 23 42	19° 2'08	17° 6	1°22	21°28	23°54	23°56	5°13	13°28	3°58	22°25	1°59	3° 3	28°25	16°19	S 12
S 13	1 27 38	20° 1'44	29°12	2° 4	22°42	24°32	24° 8	5°20	13°26	3°57	22°25	1°54	3° 0	28°31	16°16	S 13
M14	1 31 35	21° 1'22	11 <b>m</b> 30	2°54	23°56	25°10	24°20	5°27	13°24	3°56	22°25	1°47	2°57	28°38	16°14	M14
T 15	1 35 31	22° 1'02	24° 3	3°51	25°10	25°48	24°32	5°34	13°22	3°55	22°26	1°40	2°54	28°45	16°11	T 15
W16	1 39 28	23° 0'44	6 <b>₽</b> 52	4°56	26°24	26°26	24°45	5°42	13°19	3°54	22°26	1°33	2°50	28°51	16° 8	W16
T 17	1 43 24	24° 0'28	19°58	6° 6	27°38	27° 5	24°57	5°49	13°17	3°53	22°26	1°27	2°47	28°58	16° 5	T 17
F 18	1 47 21	25° 0'14	3M20	7°21	28°52	27°43	25° 9	5°56	13°15	3°52	22°26	1°22	2°44	29° 5	16° 2	F 18
S 19	1 51 17	26° 0'03	16°54	8°40	0 <b>호</b> 6	28°21	25°22	6° 3	13°12	3°51	22°26	1°20	2°41	29°11	15°59	S 19
S 20	1 55 14	26°59'53	0 <b>₮</b> 40	10° 4	1°21	28°59	25°34	6°10	13°10	3°50	22°26	1°D19	2°38	29°18	15°56	S 20
M21	1 59 11	27°59'45	14°35	11°30	2°35	29°37	25°47	6°17	13° 8	3°50	22°26	1°19	2°34	29°25	15°53	M21
T 22	2 3 7	28°59'39	28°37	12°59	3°49	0 <b>ჲ</b> 15	26° 0	6°24	13° 5	3°49	22°26	1°21	2°31	29°32	15°50	T 22
W23	2 7 4	29°59'34	12 <b>3</b> 43	14°31	5° 4	0°54	26°12	6°31	13° 3	3°48	22°R26	1°22	2°28	29°38	15°47	W23
T 24	2 11 0	0M 59'32	26°52	16° 4	6°18	1°32	26°25	6°38	13° 1	3°47	22°26	1°R23	2°25	29°45	15°44	T 24
F 25	2 14 57	1°59'30	11 ≈ 3	17°38	7°32	2°10	26°38	6°45	12°58	3°47	22°26	1°23	2°22	29°52	15°41	F 25
S 26	2 18 53	2°59'31	25°13	19°14	8°47	2°48	26°50	6°52	12°56	3°46	22°26	1°21	2°19	29°58	15°38	S 26
S 27	2 22 50	3°59'33	9 <b>∺</b> 20	20°50	10° 1	3°26	27° 3	6°59	12°53	3°45	22°26	1°18	2°15	ON 5	15°35	S 27
M28	2 26 46	4°59'36	23°21	22°27	11°16	4° 4	27°16	7° 6	12°51	3°45	22°26	1°15	2°12	0°12	15°32	M28
T 29	2 30 43	5°59'41	7 <b>Υ</b> 14	24° 5	12°31	4°43	27°29	7°13	12°48	3°44	22°26	1°11	2° 9	0°19	15°29	T 29
W30	2 34 40	6°59'48	20°54	25°43	13°45	5°21	27°42	7°20	12°46	3°44	22°26	1° 7	2° 6	0°25	15°26	W30
T 31	2 38 36	7 <b>M</b> 59'56	4 <b>8</b> 19	27 <b>≙</b> 21	15 <b>♀</b> 0	5 <b>≙</b> 59	27 <b>M</b> 55	7 <b>≙</b> 26	12 <b>8</b> 43	3 <b>)</b> (43	229526	1 <b>I</b> I 4	2 <b>I</b> I 3	0 <b>Ω</b> 32	15 <b>8</b> 23	T 31

Day	0	D		ğ		φ		ď	7	2	ł	ħ	1	);	ļ(	4	ſ	Е	)	ß	u	Ç	Š	
	decl	decl lat	d	decl lat	t	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1 W 2	3 s14 3 38			-	-	9n38 9 13	1n 8 1 10	6n14 5 59		17s33 17 36	0n43 0 43	0n27 0 24		15n38 15 38	0 s24 0 24	10s46 10 47	0 s50 0 50	23n 6 23 6				24n49 24 48	14n42 14 41	2 s16 2 17
T 3	4 1	7 13 3		-		-	1 12	5 44	1 9		0 43	0 21		15 37	-	10 47	0 50					24 48		2 17
F 4	4 24	12 45 1		25 0	) 43	8 20	1 14	5 29		17 42	0 43	0 18		15 36	-		0 50	23 6				24 47		2 17
S 5	4 47	17 34 0	52 0	50 0	23	7 54	1 16	5 14	1 9	17 45	0 43	0 15	2 10	15 36	0 24	10 48	0 50	23 6	1 30	20 36	20 53	24 46	14 39	2 17
S 6 M 7	5 11 5 34		-	0 20 0 0n 5 0	-	7 27 7 0	1 17 1 19	4 59 4 44	1 9 1 9	17 48 17 51	0 43 0 42	0 12 0 9		15 35 15 35	-	10 49 10 49	0 50 0 50					24 45 24 44		2 17 2 17
T 8	5 57						1 21	4 29	1 9		0 42	0 6		15 34	-	10 49	0 50					24 44		2 17
W 9			-	-	-	6 6	1 22	4 14	1 9	-, -,	0 42	0 4		15 33	-	10 50	0 50					24 42		2 18
T 10	6 43	25 26 4	2 0	) 46 1	1 2	5 38	1 23	3 59	1 8	18 1	0 42	0 1	2 10	15 33	0 24	10 50	0 50	23 6	1 30	20 37	20 49	24 42	14 34	2 18
F 11		-		49 1	-	-	1 25	3 44	1 8	-	0 42	0 s 2		15 32	-	10 51	0 50		-			24 41		2 18
S 12	7 28	20 29 4	59 0	) 46 1	1 26	4 42	1 26	3 28	1 8	18 7	0 42	0 5	2 10	15 31	0 24	10 51	0 50	23 6	1 31	20 36	20 48	24 40	14 32	2 18
S 13	7 51	16 35 5	9 0	38 1	1 36		1 27	3 13	1 8		0 42	0 8	2 10	15 31	0 24	10 51	0 50	23 6				24 39		2 19
M14	8 13	11 57 5		-		-	1 28	2 58	1 8	-	0 41	0 11	2 10				0 50		-			24 38		2 19
T 15	8 35	6 45 4		-		-	1 30	2 43	1 8		0 41	0 13	2 10		0 24	10 52	0 50		-			24 37		2 19
W16 T 17	8 58 9 20	1 8 4 4s39 3	-	0s11 1 0 36 2		2 49 2 20	1 31	2 27 2 12	1 8		0 41 0 41	0 16 0 19	2 11 2 11	15 29 15 28	-	10 52 10 53	0 50 0 50	23 7 23 7	-			24 36 24 35	-	2 19 2 19
F 18	9 42		-	3 2	-	1 52	1 32	1 57	1 8	-	0 41	0 19	2 11	15 27	0 24	10 53	0 50	,	-			24 33	-	2 19
S 19			18 1				1 33	1 41	1 8		0 41	0 24		15 27		10 53	0 50					24 33		2 20
S 20	10 25	20 16 0	4 2	2 5 2	2 5	0 54	1 34	1 26	1 7	18 32	0 41	0 27	2 11	15 26	0 24	10 54	0 50	23 7	1 32	20 28	20 43	24 32	14 25	2 20
M21	10 47		s12 2		-		1 34	1 11	1 7	10 30	0 41	0 30		-	-	10 54			-			24 31		2 20
T 22	-		24 3				1 35	0 55	1 7	10 50	0 40	0 32		15 25		10 54	0 50		-			24 30	_	2 20
W23 T 24	-		27 3 18 4				1 35 1 36	0 40	1 7	18 41 18 44	0 40	0 35 0 38		-			0 50 0 50	23 7 23 7	-			24 29 24 28		2 20 2 20
F 25	12 11	-	54 5			1 2 1 32	1 36	0 25	1 7	-	0 40	0 40		15 23		10 55 10 55						24 28		2 20
S 26	12 32		-	-			1 36	0s 6	1 7		0 40	0 43		15 22	-							24 26		2 21
S 27	12 52	12 52 5	10 6	5 28 1	1 49	2 30	1 36	0 21	1 6	18 53	0 40	0 46	2 12	15 21	0 24	10 55	0 50	23 8	1 32	20 27	20 39	24 25	14 17	2 21
M28	13 13	7 5 4	50 7	9 1	1 44	2 59	1 37	0 36	1 6	18 56	0 40	0 48	2 12	15 20	0 24	10 56	0 50	23 8	1 32	20 27	20 38	24 24	14 16	2 21
T 29	13 33		1			-	1 37	0 52	1 6		0 40	0 51		15 19		10 56	0 50					24 23		2 21
W30	13 52	-	-		-		1 36	1 7	1 6		0 40	0 53		15 19		10 56	0 50			-		24 22		2 21
T 31	14 s12	10n45 2	s22 9	s10 1	ln29	4 s 2 6	1n36	1 s22	1n 6	19s 5	0n39	0s56	2n12	15n18	0 s24	10s56	0 s50	23n 8	1n33	20n25	20n36	24n21	14n13	2 s21

Julian Day Number = 2337132.5, Delta T = 20.01 sec Ecliptic obliquity =  $23^{\circ}28'53$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}22'04$ , Lahiri =  $19^{\circ}29'04$ Greg. Calendar

NOVEMBER 1686 GC 00:00 UT

Day	Sid.t	0	)	ğ	φ	ð	4	ħ	)∤(	并	В	S.	Ω	Ç	ę,	Day
F 1	2 42 33	9 <b>11</b> 6 0'07	17828	28₽59	16 <b>₽</b> 15	6 <b>₽</b> 37	28M 8	7 <b>ჲ</b> 33	12°R41	3°R43	22°R25	1°R 2	1 <b>Ⅱ</b> 59	0 <b>Ω</b> 39	15°R19	F 1
S 2	2 46 29	10° 0'19	0 <b>П</b> 19	0 <b>M</b> .38	17°29	7°15	28°21	7°40	12 <b>8</b> 38	3 <b>)</b> €42	22525	1°D 2	1°56	0°45	15816	S 2
S 3	2 50 26	11° 0'33	12°53	2°16	18°44	7°54	28°34	7°46	12°36	3°42	22°25	1 <b>II</b> 2	1°53	0°52	15°13	S 3
M 4	2 54 22	12° 0'49	25°12	3°54	19°59	8°32	28°47	7°53	12°33	3°41	22°25	1° 3	1°50	0°59	15°10	M 4
T 5	2 58 19	13° 1'08	79518	5°32	21°14	9°10	29° 0	8° 0	12°31	3°41	22°24	1° 5	1°47	1° 5	15° 7	T 5
W 6	3 2 15	14° 1'28	19°15	7° 9	22°29	9°48	29°13	8° 6	12°28	3°41	22°24	1° 7	1°44	1°12	15° 3	W 6
T 7	3 6 12	15° 1'50	1 <b>0</b> 7	8°47	23°43	10°26	29°26	8°12	12°26	3°41	22°24	1° 8	1°40	1°19	15° 0	T 7
F 8	3 10 9	16° 2'13	12°59	10°24	24°58	11° 4	29°40	8°19	12°23	3°40	22°23	1°R 8	1°37	1°26	14°57	F 8
S 9	3 14 5	17° 2'39	24°55	12° 1	26°13	11°43	29°53	8°25	12°21	3°40	22°23	1° 8	1°34	1°32	14°54	S 9
S 10	3 18 2	18° 3'07	7 Mg 0	13°38	27°28	12°21	0 <b>x</b> <sup>7</sup> 6	8°32	12°18	3°40	22°22	1° 7	1°31	1°39	14°51	S 10
M11	3 21 58	19° 3'36	19°19	15°14	28°43	12°59	0°19	8°38	12°16	3°40	22°22	1° 6	1°28	1°46	14°47	M11
T 12	3 25 55	20° 4'08	1 <b>≏</b> 56	16°50	29°58	13°37	0°33	8°44	12°14	3°40	22°21	1° 5	1°25	1°52	14°44	T 12
W13	3 29 51	21° 4'41	14°52	18°26	1 <b>M</b> .13	14°16	0°46	8°50	12°11	3°40	22°21	1° 3	1°21	1°59	14°41	W13
T 14	3 33 48	22° 5'15	28° 9	20° 2	2°29	14°54	0°59	8°56	12° 9	3°40	22°20	1° 2	1°18	2° 6	14°38	T 14
F 15	3 37 44	23° 5'52	11 <b>M</b> .48	21°37	3°44	15°32	1°13	9° 2	12° 6	3°D40	22°20	1° 1	1°15	2°12	14°35	F 15
S 16	3 41 41	24° 6'30	25°46	23°12	4°59	16°10	1°26	9° 8	12° 4	3°40	22°19	1°D 1	1°12	2°19	14°32	S 16
S 17	3 45 38	25° 7'10	9 <b>∡</b> 759	24°47	6°14	16°48	1°40	9°14	12° 1	3°40	22°19	1° 1	1° 9	2°26	14°28	S 17
M18	3 49 34	26° 7'51	24°23	26°22	7°29	17°27	1°53	9°20	11°59	3°40	22°18	1° 1	1° 5	2°33	14°25	M18
T 19	3 53 31	27° 8'33	8 <b>궁</b> 52	27°57	8°44	18° 5	2° 6	9°26	11°57	3°40	22°17	1° 1	1° 2	2°39	14°22	T 19
W20	3 57 27	28° 9'17	23°22	29°31	10° 0	18°43	2°20	9°32	11°54	3°40	22°17	1° 2	0°59	2°46	14°19	W20
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F 22	4 5 20	0 <b>₮</b> 10'47	22° 3	2°40	12°30	20° 0	2°47	9°43	11°49	3°41	22°15	1° 2	0°53	2°59	14°13	F 22
S 23	4 9 17	1°11'33	6 <b>∺</b> 9	4°14	13°45	20°38	3° 0	9°48	11°47	3°41	22°15	1° 2	0°50	3° 6	14°10	S 23
S 24	4 13 13	2°12'20	20° 2	5°48	15° 1	21°16	3°14	9°54	11°45	3°41	22°14	1° 2	0°46	3°13	14° 7	S 24
M25	4 17 10	3°13'09	3 <b>℃</b> 42	7°22	16°16	21°54	3°27	9°59	11°43	3°41	22°13	1° 2	0°43	3°20	14° 4	M25
T 26	4 21 7	4°13'58	17° 8	8°56	17°31	22°33	3°41	10° 5	11°40	3°42	22°12	1° 2	0°40	3°26	14° 1	T 26
W27	4 25 3	5°14'48	0 <b>8</b> 22	10°29	18°46	23°11	3°54	10°10	11°38	3°42	22°11	1° 3	0°37	3°33	13°58	W27
T 28	4 29 0	6°15'39	13°21	12° 3	20° 2	23°49	4° 7	10°15	11°36	3°43	22°11	1° 3	0°34	3°40	13°55	T 28
F 29	4 32 56	7°16'31	26° 8	13°37	21°17	24°27	4°21	10°20	11°34	3°43	22°10	1°R 4	0°31	3°46	13°52	F 29
S 30	4 36 53	8 <b>∡</b> 17'25	8 <b>Ⅱ</b> 42	15 <b>₹</b> 10	22 <b>M</b> 32	25 <b>♀</b> 5	4 <b>₹</b> 34	10 <b>≏</b> 25	11832	3 <b>)</b> €44	2295 9	1 <b>I</b> I 4	0 <b>∐</b> 27	3 <b>Ω</b> 53	13849	S 30

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M18	19 19	25 28 2	2 6	19 50	0 29	12 44	1 22	5 54	1 3	19 58	0 38	1 38	2 15	15 5	0 24	10 57	0 50	23 11	1 35	20 24	20 25	24 2	13 55	2 23
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Julian Day Number = 2337163.5, Delta T = 19.97 sec Ecliptic obliquity = 23°28'53, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}22'08$ , Lahiri =  $19^{\circ}29'08$ Greg. Calendar

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W 4	4 52 39	12°21'09	27°15	21°25	27°34	27°38	5°28	10°45	11°23	3°46	22° 5	0°59	0°15	4°20	13°38	W 4
T 5	4 56 36	13°22'07	9Ω 6	22°58	28°49	28°17	5°42	10°49	11°21	3°47	22° 4	0°57	0°11	4°27	13°36	T 5
F 6	5 0 32	14°23'07	20°57	24°32	0 <b>x</b> <sup>7</sup> 5	28°55	5°55	10°54	11°19	3°47	22° 3	0°56	0° 8	4°33	13°33	F 6
S 7	5 4 29	15°24'08	2 <b>m</b> 52	26° 5	1°20	29°33	6° 8	10°58	11°17	3°48	22° 2	0°54	0° 5	4°40	13°30	S 7
S 8	5 8 25	16°25'10	14°55	27°39	2°35	0 <b>M</b> .11	6°22	11° 3	11°15	3°49	22° 1	0°D54	0° 2	4°47	13°28	S 8
M 9	5 12 22	17°26'13	27°10	29°12	3°51	0°50	6°35	11° 7	11°13	3°50	22° 0	0°54	29 <b>8</b> 59	4°53	13°25	M 9
T 10	5 16 18	18°27'16	9 <b>≏</b> 42	0 <b>궁</b> 46	5° 6	1°28	6°48	11°12	11°12	3°51	21°59	0°55	29°56	5° 0	13°23	T 10
W11	5 20 15	19°28'21	22°36	2°19	6°22	2° 6	7° 2	11°16	11°10	3°52	21°58	0°57	29°52	5° 7	13°20	W11
T 12	5 24 11	20°29'27	5 <b>M</b> .54	3°52	7°37	2°44	7°15	11°20	11° 8	3°52	21°57	0°58	29°49	5°14	13°18	T 12
F 13	5 28 8	21°30'34	19°38	5°24	8°53	3°22	7°28	11°24	11° 6	3°53	21°56	0°59	29°46	5°20	13°16	F 13
S 14	5 32 5	22°31'41	3 <b>∡</b> 747	6°57	10° 8	4° 1	7°42	11°28	11° 5	3°54	21°55	1°R 0	29°43	5°27	13°13	S 14
S 15	5 36 1	23°32'50	18°19	8°29	11°23	4°39	7°55	11°32	11° 3	3°55	21°54	0°59	29°40	5°34	13°11	S 15
M16	5 39 58	24°33'58	3 <b>궁</b> 8	10° 0	12°39	5°17	8° 8	11°35	11° 1	3°56	21°53	0°57	29°37	5°40	13° 9	M16
T 17	5 43 54	25°35'08	18° 5	11°31	13°54	5°55	8°21	11°39	11° 0	3°58	21°52	0°54	29°33	5°47	13° 7	T 17
W18	5 47 51	26°36'17	3≈ 3	13° 1	15°10	6°34	8°35	11°43	10°58	3°59	21°50	0°50	29°30	5°54	13° 5	W18
T 19	5 51 47	27°37'27	17°53	14°29	16°25	7°12	8°48	11°46	10°57	4° 0	21°49	0°46	29°27	6° 1	13° 3	T 19
F 20	5 55 44	28°38'37	2 <b>)</b> 27	15°57	17°41	7°50	9° 1	11°49	10°55	4° 1	21°48	0°43	29°24	6° 7	13° 1	F 20
S 21	5 59 41	29°39'46	16°42	17°23	18°56	8°28	9°14	11°53	10°54	4° 2	21°47	0°41	29°21	6°14	12°59	S 21
S 22	6 3 37	0 <b>궁</b> 40'56	0 <b>Υ</b> 35	18°48	20°12	9° 6	9°27	11°56	10°52	4° 3	21°46	0°D40	29°17	6°21	12°57	S 22
M23	6 7 34	1°42'06	14° 7	20°10	21°27	9°45	9°40	11°59	10°51	4° 5	21°44	0°41	29°14	6°27	12°55	M23
T 24	6 11 30	2°43'15	27°19	21°30	22°43	10°23	9°53	12° 2	10°50	4° 6	21°43	0°42	29°11	6°34	12°53	T 24
W25	6 15 27	3°44'25	10 <b>8</b> 13	22°47	23°58	11° 1	10° 6	12° 5	10°49	4° 7	21°42	0°44	29° 8	6°41	12°51	W25
T 26	6 19 23	4°45'34	22°53	24° 0	25°14	11°39	10°19	12° 8	10°47	4° 9	21°41	0°45	29° 5	6°48	12°50	T 26
F 27	6 23 20	5°46'44	5 <b>Ⅱ</b> 20	25°10	26°29	12°17	10°32	12°10	10°46	4°10	21°39	0°R46	29° 2	6°54	12°48	F 27
S 28	6 27 16	6°47'53	17°37	26°14	27°45	12°56	10°44	12°13	10°45	4°11	21°38	0°44	28°58	7° 1	12°46	S 28
S 29	6 31 13	7°49'02	29°46	27°13	29° 0	13°34	10°57	12°16	10°44	4°13	21°37	0°41	28°55	7° 8	12°45	S 29
M30	6 35 10	<u>8</u> °50'12	119548	2 <u>8</u> ° 6	0 <b>조</b> 15	14°12	11°10	12°18	10°43	4°14	21°36	0°35	28°52	7°14	12°44	M30
T 31	6 39 6	9 <b>ප්</b> 51'21	239945	28 <b>궁</b> 52	1 <b>る</b> 31	14 <b>M</b> 50	11 <b>×</b> 23	12 <b>≏</b> 20	10842	4 <b>)</b> €16	219934	0∏28	28849	$7\Omega_{21}$	12842	T 31

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S 29 M30 T 31	23 15 23 11 23 s 7	<b>26 21 3 24</b>	21 20 0 4		15 21 0 49	21 33 0 35 21 34 0 35 21 s36 0n35	2 39 2 25	14 42 0 23	10 44 0 49	23 22 1 38	20 19 1		13 25 2 23 13 25 2 23 13n24 2 s23

Julian Day Number = 2337193.5, Delta T = 19.93 sec Ecliptic obliquity =  $23^{\circ}28'52$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $20^{\circ}22'12$ , Lahiri =  $19^{\circ}29'12$ Greg. Calendar