

# Astrodienst Ephemeris Tables for the year 1630

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 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)/(	¥	Р	ß	Ω	ţ	ę,	Day
T 1	6 42 17	10 <b>3</b> 42'17	5 <b>Ω</b> 59	18 <b>√</b> 11	21≈46	11°R33	10≈30	3 <b>M</b> 57	15°R22	3 <b>M</b> .16	20°R 7	22°R16	21 <b>I</b> I13	28≈ 7	6 <b>Υ</b> 9	T 1
W 2	6 46 13	11°43'27	20°51	19°22	22°57	1195 9	10°43	4° 2	15 <b>m</b> 21	3°17	20 <b>8</b> 7	22 <b>I</b> I14	21°10	28°13	6°10	W 2
T 3	6 50 10	12°44'36	5 <b>m</b> 36	20°34	24° 9	10°45	10°56	4° 6	15°21	3°18	20° 6	22°11	21° 6	28°20	6°11	T 3
F 4	6 54 6	13°45'45	20° 8	21°49	25°20	10°21	11°10	4°10	15°20	3°19	20° 5	22° 9	21° 3	28°27	6°12	F 4
S 5	6 58 3	14°46'54	4 <b>₾</b> 23	23° 5	26°31	9°58	11°24	4°14	15°19	3°20	20° 5	22° 7	21° 0	28°33	6°13	S 5
S 6	7 2 0	15°48'03	18°19	24°23	27°42	9°35	11°37	4°17	15°18	3°21	20° 4	22°D 7	20°57	28°40	6°14	S 6
M 7	7 5 56	16°49'12	1 <b>M</b> .55	25°42	28°53	9°12	11°51	4°21	15°17	3°22	20° 4	22° 8	20°54	28°47	6°15	M 7
T 8	7 9 53	17°50'22	15°12	27° 2	0 <b>)</b> 4	8°49	12° 5	4°25	15°16	3°23	20° 3	22° 9	20°51	28°54	6°16	T 8
W 9	7 13 49	18°51'31	28°13	28°23	1°14	8°26	12°18	4°28	15°15	3°24	20° 3	22°11	20°47	29° 0	6°18	W 9
T 10	7 17 46	19°52'39	10 <b>∡</b> 759	2 <u>9</u> °46	2°25	8° 4	12°32	4°32	15°14	3°25	20° 2	22°12	20°44	29° 7	6°19	T 10
F 11	7 21 42	20°53'48	23°33	1る 9	3°35	7°43	12°46	4°35	15°13	3°26	20° 2	22°R13	20°41	29°14	6°20	F 11
S 12	7 25 39	21°54'56	5 <b>궁</b> 56	2°33	4°46	7°22	13° 0	4°38	15°12	3°26	20° 1	22°12	20°38	29°20	6°22	S 12
S 13	7 29 35	22°56'04	18°10	3°59	5°56	7° 1	13°14	4°41	15°11	3°27	20° 1	22° 9	20°35	29°27	6°23	S 13
M14	7 33 32	23°57'11	0≈16	5°25	7° 6	6°41	13°28	4°44	15° 9	3°28	20° 0	22° 5	20°32	29°34	6°25	M14
T 15	7 37 29	24°58'17	12°16	6°51	8°16	6°22	13°42	4°47	15° 8	3°28	20° 0	21°59	20°28	29°41	6°26	T 15
W16	7 41 25	25°59'22	24°10	8°19	9°25	6° 3	13°56	4°50	15° 7	3°29	19°59	21°53	20°25	29°47	6°28	W16
T 17	7 45 22	27° 0'27	6 <b>¥</b> 2	9°47	10°35	5°45	14°10	4°53	15° 5	3°30	19°59	21°46	20°22	29°54	6°30	T 17
F 18	7 49 18	28° 1'31	17°53	11°16	11°44	5°28	14°24	4°56	15° 4	3°30	19°59	21°40	20°19	0 <b>∺</b> 1	6°32	F 18
S 19	7 53 15	29° 2'33	29°46	12°46	12°54	5°11	14°38	4°58	15° 2	3°31	19°58	21°34	20°16	0° 7	6°33	S 19
S 20	7 57 11	0≈ 3'35	11 <b>Y</b> 45	14°16	14° 3	4°55	14°52	5° 1	15° 1	3°31	19°58	21°31	20°12	0°14	6°35	S 20
M21	8 1 8	1° 4'35	23°54	15°47	15°12	4°40	15° 6	5° 3	14°59	3°32	19°58	21°29	20° 9	0°21	6°37	M21
T 22	8 5 4	2° 5'35	6 <b>8</b> 18	17°19	16°21	4°25	15°21	5° 6	14°57	3°32	19°58	21°D29	20° 6	0°28	6°39	T 22
W23	8 9 1	3° 6'33	19° 2	18°51	17°29	4°11	15°35	5° 8	14°56	3°33	19°57	21°30	20° 3	0°34	6°41	W23
T 24	8 12 58	4° 7'30	2 <b>I</b> I 9	20°24	18°38	3°58	15°49	5°10	14°54	3°33	19°57	21°31	20° 0	0°41	6°43	T 24
F 25	8 16 54	5° 8'26	15°44	21°58	19°46	3°46	16° 3	5°12	14°52	3°33	19°57	21°R32	19°57	0°48	6°45	F 25
S 26	8 20 51	6° 9'20	29°47	23°32	20°54	3°35	16°17	5°14	14°50	3°34	19°57	21°32	19°53	0°54	6°47	S 26
S 27	8 24 47	7°10'13	149518	25° 7	22° 2	3°24	16°32	5°16	14°48	3°34	19°57	21°30	19°50	1° 1	6°49	S 27
M28	8 28 44	8°11'05	29°11	26°43	23° 9	3°14	16°46	5°17	14°47	3°34	19°56	21°26	19°47	1° 8	6°52	M28
T 29	8 32 40	9°11'56	14Ω21	28°19	24°17	3° 5	17° 0	5°19	14°45	3°34	19°56	21°20	19°44	1°15	6°54	T 29
W30	8 36 37	10°12'46	29°36	29°57	25°24	2°57	17°15	5°20	14°43	3°35	19°56	21°12	19°41	1°21	6°56	W30
T 31	8 40 34	11≈13'34	14 <b>M</b> )46	1≈35	26 <b>米</b> 31	2950	17 <b>≈</b> 29	5 <b>M</b> 22	14 <b>M</b> y41	3 <b>M</b> 35	19856	21 <b>I</b> I 4	19∏38	1 <b>∺</b> 28	6 <b>Ƴ</b> 59	T 31

T 1 23s W 2 22 T 3 22 F 4 22 S 5 22 S 6 22 M 7 22 T 8 22 W 9 22 T 10 22 F 11 21 S 12 21 S 13 21 M14 21 T 15 21 W16 21 T 17 20	2 46 8 44 2 40 2 58 2 33 2 s 50 2 26 8 22 2 18 13 24 2 9 17 43	3n38 4 29 5 2 5 15 5 8 4 43 4 2 3 9 2 8 1 1 0s 7	decl 21 s34 21 48 22 2 22 16 22 29 22 41 22 53 23 3 23 13 23 21 23 29 23 36	1n24 15 1 16 15 1 7 15 0 58 14 0 49 14 0 41 13 0 32 13 0 24 12 0 16 12	29	27 4 27 6	3n52 3 53 3 54 3 55 3 56 3 56 3 57 3 58	18 17 18 13 18 9 18 6 18 2	0 s43 0 43 0 43 0 43 0 43 0 43	10 38 10 39 10 40 10 41	2n24 2 24 2 24 2 24 2 25 2 25	decl 6n30 6 31 6 31 6 32 6 32	0n47 0 47 0 48 0 48 0 48	10 58 10 58 10 59 10 59	1n46 1 46 1 46 1 46 1 47	4 3 14 1 4 3 14 1 4 3 14 1	decl 5 23n16 5 23 16 5 23 15 5 23 15 4 23 15 4 23 15	5 23n12 5 23 12 5 23 11 5 23 11 5 23 11	16 33 16 31 16 29 16 27	decl 4n20 4 21 4 21 4 21 4 21 4 21 4 22	2n 4 2 4 2 3 2 3 2 3 2 3
W 2 22 T 3 22 F 4 22 S 5 22 S 6 22 M 7 22 T 8 22 W 9 22 T10 22 F 11 21 S 12 21 M14 21 T 15 21 W16 21 T 17 20	2 58 18 49 2 53 14 9 2 46 8 44 2 40 2 58 2 33 2 50 2 26 8 22 2 18 13 24 2 9 17 43 2 1 21 8 1 52 23 27 1 42 24 36	4 29 5 2 5 15 5 8 4 43 4 2 3 9 2 8 1 1 0s 7	21 48 22 2 22 16 22 29 22 41 22 53 23 3 23 13 23 21 23 29	1 16 15 1 7 15 0 58 14 0 49 14 0 41 13 0 32 13 0 24 12 0 16 12 0 8 11	29	26 53 26 56 26 59 27 2 27 4 27 6 27 9	3 53 3 54 3 55 3 56 3 56 3 57 3 58	18 17 18 13 18 9 18 6 18 2 17 58	0 43 0 43 0 43 0 43 0 43	10 38 10 39 10 40 10 41 10 42	2 24 2 24 2 24 2 25 2 25	6 31 6 31 6 31 6 32 6 32	0 47 0 48 0 48 0 48	10 58 10 58 10 59 10 59	1 46 1 46 1 46 1 47	4 3 14 1 4 3 14 1 4 3 14 1 4 3 14 1	5 23 16 5 23 15 5 23 15 4 23 15	5 23 12 5 23 11 5 23 11 5 23 11	16 33 16 31 16 29 16 27	4 21 4 21 4 21 4 21	2 4 2 3 2 3 2 3
S 6 22 M 7 22 T 8 22 W 9 22 T 10 22 F 11 21 S 12 21 S 13 21 M14 21 T 15 21 W16 21 T 17 20	2 26 8 22 2 18 13 24 2 9 17 43 2 1 21 8 1 52 23 27 1 42 24 36	4 2 3 9 2 8 1 1 0s 7	22 53 23 3 23 13 23 21 23 29	0 32 13 0 24 12 0 16 12 0 8 11	44 1 32 17 1 30 50 1 27 22 1 24	27 4 27 6 27 9	3 56 3 57 3 58	18 2 17 58	0 43	10 42	2 25		0 48	10 59	1 47					4 22	2 3
S 12 21 S 13 21 M14 21 T 15 21 W16 21 T 17 20	1 42 24 36		-	08 0 11	26 1 10	27 12 27 14	3 58	17 50 17 46 17 43		10 44 10 45 10 46	2 25 2 25 2 25 2 26 2 26	6 32 6 33 6 33 6 34 6 34	0 48 0 48 0 48	10 59 11 0 11 0 11 0	1 47 1 47 1 47 1 47 1 47	4 3 14 1 4 4 14 1 4 4 14 1 4 4 14 1	4 23 15 4 23 15 3 23 15 3 23 15 3 23 15	5 23 10 5 23 10 5 23 10 5 23 10	16 23 16 21 16 19 16 17	4 22 4 22 4 22 4 23 4 23	2 3 2 2 2 2 2 2 2 2
F 18 20	1 22 23 16 1 11 20 59	3 13 4 0 4 35 4 59	23 41 23 46 23 49 23 51 23 51 23 51	0 16 10 0 23 10 0 30 9 0 37 9	58	27 15 27 16 27 17 27 18 27 19 27 19	3 59 3 59 3 59 3 58 3 58 3 58	17 39 17 35 17 31	0 44 0 44 0 44 0 44 0 44 0 44	10 48 10 49 10 50 10 50 10 51 10 52	2 26 2 26 2 27 2 27 2 27 2 27 2 27 2 27	6 35 6 35 6 36 6 36 6 37 6 38 6 38	0 48 0 48 0 48 0 48 0 48 0 48	11 1 11 1 11 1 11 1 11 1 11 1	1 47 1 47 1 47 1 47 1 47 1 47 1 47	4 4 14 14 14 14 14 14 14 14 14 14 14 14	2 23 15 2 23 15 2 23 15 2 23 15 2 23 15 1 23 14 1 23 14 1 23 13	5 23 9 5 23 9 5 23 9 5 23 9 1 23 8	16 13 16 11 16 9 16 6	4 24 4 24 4 25 4 25 4 25 4 26 4 27	2 2 2 2 2 1 2 1 2 1 2 1 2 1 2 1
S 19 20 S 20 20 M21 19 T 22 19 W23 19	0 24 4 47 0 11 0n11 9 58 5 14 9 44 10 11 9 30 14 50 9 16 18 57	5 7 4 51 4 22 3 41 2 47 1 43	23 49 23 46 23 42 23 36 23 29 23 20 23 11	0 57 7 1 3 7 1 9 6 1 15 6 1 20 5 1 25 5	32 0 52 2 0 48 32 0 44 1 0 40 31 0 36 0 0 32	27 20 27 20 27 20 27 20 27 20 27 20	3 57 3 57 3 56 3 55 3 54	17 11 17 6 17 2 16 58 16 54 16 50	0 44 0 44 0 44 0 44 0 44	10 53 10 54 10 54 10 55	2 28 2 28 2 28 2 28 2 29 2 29 2 29 2 29	6 39 6 39 6 40 6 41 6 41 6 42 6 43	0 48 0 48 0 48 0 48 0 48 0 48	11 2 11 2 11 2 11 2 11 2	1 47 1 47 1 48 1 48 1 48 1 48	4 6 14 1 4 6 14 1 4 6 14 4 4 6 14 4 6 14 4 7 14	0 23 13 0 23 13 0 23 13 9 23 13 9 23 13 9 23 13 8 23 13	3     23     8       3     23     8       3     23     7       3     23     7       3     23     7       3     23     7       3     23     7       3     23     7	15 58 15 56 15 54 15 52 15 50 15 47	4 27 4 28 4 28 4 29 4 29 4 30 4 31	2 0 2 0 2 0 2 0 2 0 2 0 1 59
S 26 18 S 27 18	9 1 22 12 8 46 24 14 8 31 24 42 8 15 23 26	0n44 2 0 3 9 4 6	22 59 22 47 22 32 22 17 22 0	1 35 3 1 39 3 1 43 2 1 47 2	59 0 24 28 0 19 57 0 15	27 18 27 17 27 17 27 16	3 52 3 51 3 50 3 49	16 46 16 41 16 37 16 33 16 29 16 24	0 44 0 44 0 44 0 44	10 57 10 57	2 29 2 29 2 30 2 30 2 30 2 30	6 44 6 44 6 45 6 46 6 47	0 48 0 48 0 48	11 2 11 2 11 2 11 2	1 48 1 48 1 48 1 48 1 48	4 7 14	8 23 13 8 23 13 8 23 13 7 23 12 7 23 12	3 23 6 3 23 6 3 23 6 2 23 5	15 43 15 41	4 31 4 32 4 32 4 33 4 34 4 34	1 59 1 59 1 59 1 59 1 59 1 59

Julian Day Number = 2316405.5, Delta T = 57.96 sec Ecliptic obliquity =  $23^{\circ}29'15$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'34$ , Lahiri =  $18^{\circ}41'35$ Greg. Calendar

### FEBRUARY 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ	)វ(	¥	Р	ß	Ω	Ç	ę,	Day
F 1	8 44 30	12≈14'22	29 <b>m</b> /41	3≈13	27 <b>)</b> 38	2°R43	17≈43	5 <b>M</b> 23	14°R39	3 <b>M</b> .35	19°R56	20°R57	19 <b>Ⅲ</b> 34	1 <b>)</b> 35	7 <b>Υ</b> 1	F 1
S 2	8 48 27	13°15'08	14 <u>0</u> 13	4°53	28°44	2937	17°58	5°24	14 <b>M</b> 37	3°35	19856	20 <b>Ⅱ</b> 51	19°31	1°41	7° 3	S 2
S 3	8 52 23	14°15'54	28°20	6°33	29°51	2°32	18°12	5°25	14°34	3°R35	19°D56	20°48	19°28	1°48	7° 6	S 3
M 4	8 56 20	15°16'38	11 <b>M</b> 59	8°14	<b>0</b> Υ57	2°28	18°27	5°26	14°32	3°35	19°56	20°D47	19°25	1°55	7° 8	M 4
T 5	9 0 16	16°17'21	25°13	9°56	2° 2	2°25	18°41	5°27	14°30	3°35	19°56	20°47	19°22	2° 2	7°11	T 5
W 6	9 4 13	17°18'04	8 <b>√</b> 5	11°39	3° 8	2°22	18°55	5°28	14°28	3°35	19°56	20°48	19°18	2° 8	7°14	W 6
T 7	989	18°18'45	20°39	13°22	4°13	2°20	19°10	5°29	14°26	3°35	19°56	20°R49	19°15	2°15	7°16	T 7
F 8	9 12 6	19°19'25	2 <b>る</b> 59	15° 7	5°18	2°19	19°24	5°29	14°23	3°35	19°56	20°48	19°12	2°22	7°19	F 8
S 9	9 16 3	20°20'04	15° 8	16°52	6°23	2°D19	19°39	5°30	14°21	3°34	19°57	20°45	19° 9	2°28	7°22	S 9
S 10	9 19 59	21°20'42	27°10	18°38	7°27	2°19	19°53	5°30	14°19	3°34	19°57	20°39	19° 6	2°35	7°24	S 10
M11	9 23 56	22°21'18	9≈ 7	20°25	8°31	2°20	20° 7	5°30	14°16	3°34	19°57	20°30	19° 3	2°42	7°27	M11
T 12	9 27 52	23°21'52	21° 1	22°13	9°35	2°22	20°22	5°30	14°14	3°34	19°57	20°19	18°59	2°49	7°30	T 12
W13	9 31 49	24°22'25	2 <b>)</b> 53	24° 1	10°39	2°25	20°36	5°R30	14°12	3°33	19°57	20° 7	18°56	2°55	7°33	W13
T 14	9 35 45	25°22'57	14°44	25°51	11°42	2°28	20°51	5°30	14° 9	3°33	19°58	19°54	18°53	3° 2	7°36	T 14
F 15	9 39 42	26°23'26	26°37	27°41	12°44	2°32	21° 5	5°30	14° 7	3°33	19°58	19°41	18°50	3° 9	7°39	F 15
S 16	9 43 38	27°23'54	8 <b>Ƴ</b> 33	29°33	13°47	2°37	21°19	5°30	14° 4	3°32	19°58	19°30	18°47	3°15	7°42	S 16
S 17	9 47 35	28°24'20	20°34	1 <b>)</b> 24	14°49	2°42	21°34	5°29	14° 2	3°32	19°58	19°21	18°44	3°22	7°45	S 17
M18	9 51 31	29°24'44	2844	3°17	15°51	2°48	21°48	5°29	13°59	3°31	19°59	19°15	18°40	3°29	7°48	M18
T 19	9 55 28	0 <b>)</b> €25'07	15° 6	5°10	16°52	2°55	22° 2	5°28	13°57	3°31	19°59	19°12	18°37	3°36	7°51	T 19
W20	9 59 25	1°25'27	27°45	7° 4	17°53	3° 2	22°17	5°28	13°54	3°30	19°59	19°D11	18°34	3°42	7°54	W20
T 21	10 3 21	2°25'45	10 <b>Ⅱ</b> 44	8°58	18°53	3°10	22°31	5°27	13°52	3°30	20° 0	19°11	18°31	3°49	7°57	T 21
F 22	10 7 18	3°26'02	24° 9	10°52	19°53	3°19	22°45	5°26	13°49	3°29	20° 0	19°R11	18°28	3°56	8° 0	F 22
S 23	10 11 14	4°26'16	895 1	12°46	20°53	3°28	23° 0	5°25	13°47	3°29	20° 1	19°10	18°24	4° 2	8° 3	S 23
S 24	10 15 11	5°26'28	22°23	14°40	21°52	3°38	23°14	5°24	13°44	3°28	20° 1	19° 6	18°21	4° 9	8° 7	S 24
M25	10 19 7	6°26'38	7 <b>Ω</b> 11	16°34	22°51	3°48	23°28	5°23	13°41	3°27	20° 2	19° 0	18°18	4°16	8°10	M25
T 26	10 23 4	7°26'46	22°20	18°27	23°49	3°59	23°42	5°21	13°39	3°26	20° 2	18°52	18°15	4°23	8°13	T 26
W27	10 27 0	8°26'52	7 <b>m</b> )41	20°19	24°46	4°10	23°57	5°20	13°36	3°26	20° 3	18°41	18°12	4°29	8°16	W27
T 28	10 30 57	9 <b>米</b> 26'57	23 Mp 2	22 <b>)</b> 10	25 <b>Y</b> 44	49522	24≈11	5 <b>™</b> 19	13 <b>M</b> 34	3 <b>M</b> 25	20 <b>8</b> 3	18 <b>Ⅲ</b> 30	18Ⅱ 9	4 <b>)</b> €36	8 <b>Y</b> 20	T 28

Day	0	D	ğ	Ф	ď	4	ħ	)∤(	¥	Р	n	v t	, k
	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	17 s10 16 52	4n46 5n 3 1s17 4 42	21 s21 1 s56 21 0 1 58		7n13 3n45	16s16 0s45 16 11 0 45		6n48 0n49 6 49 0 49	11s 2 1n48 11 2 1 48		23n11 23 10	23n 5 15s30 23 4 15 28	4n36 1n58 4 37 1 58
S 3 M 4 T 5 W 6 T 7 F 8 S 9	15 41 15 22 15 3 14 44	12 24 3 13 16 57 2 13 20 35 1 8 23 9 0 1 24 32 1s 5 24 43 2 6	19 47 2 4 19 19 2 4 18 50 2 5 18 20 2 5 17 48 2 5	1 42 0 29 2 2 13 0 35 2 2 43 0 40 2 3 14 0 46 2	7 9 3 42 7 8 3 40 7 7 3 39 7 6 3 38 7 4 3 36 7 3 3 35	16 2 0 45 15 58 0 45 15 54 0 45 15 49 0 45 15 45 0 45 15 40 0 45	10 59 2 32 10 59 2 32 10 59 2 32 10 59 2 33 10 59 2 33	6 53 0 49 6 53 0 49 6 54 0 49 6 55 0 49	11 2 1 48 11 2 1 48 11 2 1 49 11 2 1 49 11 2 1 49 11 2 1 49	4 10 14 5 4 10 14 5 4 10 14 5 4 11 14 4 4 11 14 4 4 12 14 4	23 10 23 10	23 4 15 24 23 4 15 21 23 3 15 19 23 3 15 17 23 3 15 15 23 3 15 13	4 38 1 58 4 39 1 58 4 39 1 58 4 40 1 58 4 41 1 57 4 42 1 57 4 43 1 57
S 10 M11 T 12 W13 T 14 F 15 S 16	14 5 13 46	21 40 3 48 18 41 4 24 14 57 4 49 10 38 5 1 5 56 5 0	16 2 2 1	4 15 0 57 2 4 45 1 2 2 5 16 1 8 2 5 46 1 14 2 6 16 1 19 2	7 0 3 32 5 59 3 31 5 57 3 29 5 56 3 28 5 54 3 26	15 31 0 45 15 27 0 45 15 22 0 45 15 18 0 46 15 13 0 46	10 58 2 34 10 58 2 34	6 57 0 49 6 58 0 49 6 59 0 49 7 0 0 49 7 1 0 49	11 1 1 49 11 1 1 49 11 1 1 49 11 1 1 49 11 1 1 49	4 12 14 3 4 13 14 3 4 13 14 2 4 13 14 2 4 14 14 2	23 9 23 8 23 7 23 6 23 5	23 2 15 10 23 2 15 8 23 2 15 6 23 2 15 4 23 1 15 1 23 1 14 59 23 1 14 57	4 44 1 57 4 45 1 57 4 46 1 57 4 47 1 56 4 48 1 56 4 49 1 56 4 50 1 56
S 17 M18 T 19 W20 T 21 F 22 S 23	10 38 10 16	9 0 3 40 13 41 2 50 17 54 1 51	11 5 1 34 10 18 1 28 9 29 1 21 8 38 1 14	7 44 1 37 2 8 14 1 43 2 8 43 1 49 2 9 11 1 55 2 9 40 2 1 2	5 49 3 22 5 48 3 20 5 46 3 19 5 44 3 17 5 43 3 16	14 59 0 46 14 55 0 46 14 50 0 46 14 46 0 46 14 41 0 46	10 57 2 35 10 56 2 35 10 56 2 35 10 55 2 36 10 55 2 36 10 54 2 36 10 54 2 36	7 4 0 49 7 5 0 49 7 6 0 49 7 7 0 49 7 8 0 49	11 0 1 49 11 0 1 49	4 15 14 1 4 15 14 0 4 16 14 0 4 16 14 0 4 16 14 0	23 3 23 3 23 3 23 3 23 3	23 0 14 50 23 0 14 48 22 59 14 46	4 51 1 56 4 52 1 56 4 53 1 56 4 54 1 56 4 56 1 55 4 57 1 55 4 58 1 55
S 24 M25 T 26 W27 T 28	9 10 8 48	18 20 4 29	6 3 0 48 5 9 0 38 4 16 0 27	11 32 2 26 2 11 59 2 33 2	5 37 3 11 5 36 3 10 5 34 3 9	14 27 0 47 14 23 0 47 14 18 0 47	10 53 2 37 10 53 2 37 10 52 2 37 10 51 2 37 10 51 2 37	7 11 0 49 7 12 0 49 7 13 0 49	10 59 1 50 10 58 1 50 10 58 1 50 10 58 1 50 10 557 1n50	4 18 13 59 4 18 13 58 4 19 13 58	23 2 23 1 23 0	22 59 14 39 22 58 14 37 22 58 14 34 22 58 14 32 22n57 14s30	5 0 1 55 5 1 1 55 5 3 1 55

Julian Day Number = 2316436.5, Delta T = 57.89 sec Ecliptic obliquity = 23°29'16, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'38$ , Lahiri =  $18^{\circ}41'39$ Greg. Calendar

MARCH 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ	)/(	¥	Р	ß	v	Ç	ę,	Day
F 1	10 34 54	10 <b>米</b> 26'59	8 <b>亞</b> 11	23 <b>米</b> 59	26 <b>Y</b> 40	4935	24≈25	5°R17	13°R31	3°R24	208 4	18°R19	18 <b>I</b> 5	4 <b>) (</b> 43	8 <b>Υ</b> 23	F 1
S 2	10 38 50	11°27'00	22°59	25°45	27°36	4°48	24°39	5 <b>M</b> 15	13 <b>M</b> 28	3 <b>M</b> 23	20° 4	18 <b>I</b> I10	18° 2	4°50	8°26	S 2
S 3	10 42 47	12°26'58	7 <b>M</b> _19	27°29	28°31	5° 1	24°53	5°13	13°26	3°22	20° 5	18° 4	17°59	4°56	8°30	S 3
M 4	10 46 43	13°26'56	21° 9	29°10	29°26	5°15	25° 7	5°12	13°23	3°22	20° 6	18° 1	17°56	5° 3	8°33	M 4
T 5	10 50 40	14°26'52	4 <b>₹</b> 29	0Υ48	0820	5°30	25°21	5°10	13°21	3°21	20° 6	17°59	17°53	5°10	8°37	T 5
W 6	10 54 36	15°26'46	17°23	2°21	1°14	5°45	25°35	5° 8	13°18	3°20	20° 7	17°59	17°49	5°16	8°40	W 6
T 7	10 58 33	16°26'38	29°56	3°49	2° 7	6° 0	25°49	5° 5	13°15	3°19	20° 7	17°59	17°46	5°23	8°44	T 7
F 8	11 2 29	17°26'29	12 <b>ਰ</b> 11	5°12	2°59	6°16	26° 3	5° 3	13°13	3°18	20° 8	17°57	17°43	5°30	8°47	F 8
S 9	11 6 26	18°26'18	24°15	6°30	3°50	6°33	26°17	5° 1	13°10	3°17	20° 9	17°54	17°40	5°37	8°50	S 9
S 10	11 10 23	19°26'05	6≈11	7°41	4°41	6°49	26°31	4°58	13° 7	3°16	20°10	17°47	17°37	5°43	8°54	S 10
M11	11 14 19	20°25'50	18° 3	8°45	5°31	7° 7	26°45	4°56	13° 5	3°15	20°10	17°37	17°34	5°50	8°58	M11
T 12	11 18 16	21°25'34	29°53	9°43	6°20	7°24	26°58	4°53	13° 2	3°14	20°11	17°25	17°30	5°57	9° 1	T 12
W13	11 22 12	22°25'15	11 <b>) (</b> 45	10°33	7° 8	7°42	27°12	4°51	13° 0	3°12	20°12	17°11	17°27	6° 3	9° 5	W13
T 14	11 26 9	23°24'55	23°39	11°16	7°56	8° 1	27°26	4°48	12°57	3°11	20°13	16°56	17°24	6°10	9° 8	T 14
F 15	11 30 5	24°24'32	5 <b>Ƴ</b> 37	11°51	8°42	8°19	27°39	4°45	12°55	3°10	20°13	16°42	17°21	6°17	9°12	F 15
S 16	11 34 2	25°24'08	17°40	12°18	9°28	8°39	27°53	4°42	12°52	3° 9	20°14	16°29	17°18	6°24	9°15	S 16
S 17	11 37 58	26°23'41	29°49	12°37	10°13	8°58	28° 7	4°39	12°49	3° 8	20°15	16°19	17°15	6°30	9°19	S 17
M18	11 41 55	27°23'12	128 6	12°48	10°56	9°18	28°20	4°36	12°47	3° 6	20°16	16°12	17°11	6°37	9°23	M18
T 19	11 45 52	28°22'41	24°35	12°R51	11°39	9°38	28°34	4°33	12°44	3° 5	20°17	16° 8	17° 8	6°44	9°26	T 19
W20	11 49 48	29°22'07	7 <b>Ⅱ</b> 16	12°47	12°20	9°59	28°47	4°30	12°42	3° 4	20°18	16° 6	17° 5	6°50	9°30	W20
T 21	11 53 45	0 <b>Υ</b> 21'31	20°15	12°34	13° 1	10°20	29° 0	4°26	12°40	3° 3	20°19	16°D 6	17° 2	6°57	9°34	T 21
F 22	11 57 41	1°20'53	3934	12°15	13°40	10°41	29°14	4°23	12°37	3° 1	20°20	16°R 6	16°59	7° 4	9°37	F 22
S 23	12 1 38	2°20'13	17°17	11°50	14°18	11° 3	29°27	4°19	12°35	3° 0	20°21	16° 6	16°55	7°11	9°41	S 23
S 24	12 5 34	3°19'30	1 N 25	11°18	14°54	11°25	29°40	4°16	12°32	2°59	20°22	16° 3	16°52	7°17	9°44	S 24
M25	12 9 31	4°18'45	15°57	10°42	15°30	11°47	29°53	4°12	12°30	2°57	20°23	15°58	16°49	7°24	9°48	M25
T 26	12 13 27	5°17'57	0 <b>m</b> 51	10° 1	16° 4	12° 9	0 <b>∺</b> 6	4° 9	12°27	2°56	20°24	15°50	16°46	7°31	9°52	T 26
W27	12 17 24	6°17'08	15°58	9°17	16°36	12°32	0°19	4° 5	12°25	2°54	20°25	15°40	16°43	7°38	9°56	W27
T 28	12 21 21	7°16'15	1 <b>≙</b> 10	8°30	17° 7	12°55	0°32	4° 1	12°23	2°53	20°26	15°30	16°40	7°44	9°59	T 28
F 29	12 25 17	8°15'21	16°16	7°41	17°37	13°19	0°45	3°57	12°21	2°52	20°27	15°20	16°36	7°51	10° 3	F 29
S 30	12 29 14	9°14'25	1 <b>M</b> 5	6°52	18° 5	13°42	0°58	3°54	12°18	2°50	20°28	15°12	16°33	7°58	10° 7	S 30
S 31	12 33 10	10 <b>Y</b> 13'27	15 <b>M</b> 30	6 <b>Υ</b> 4	18 <b>8</b> 31	1495 6	1 <b>)</b> 11	3M50	12 <b>M</b> )16	2 <b>M</b> 49	20829	15 <b>I</b> 7	16耳30	8 <b>∺</b> 4	10 <b>Y</b> 10	S 31

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S 3 M 4 T 5 W 6 T 7 F 8 S 9 S 10 M11 T 12	6 31 6 8 5 45 5 22 4 58 4 35 4 11 3 48	19 55 1 11 22 50 0 3 24 32 1s 3 24 59 2 4 24 15 2 59 22 24 3 45	0n10 0 32 1 1 0 45 1 50 0 59 2 37 1 12 3 23 1 26 4 6 1 39 4 46 1 52 5 23 2 5	14 35 3 11 15 0 3 17 15 25 3 23 15 49 3 30 16 13 3 36 16 36 3 43 16 59 3 49	26 24 3 1 26 22 3 0 26 20 2 58 26 18 2 57 26 16 2 56 26 14 2 54 26 11 2 53 26 9 2 51	13 55 0 47 13 50 0 47 13 46 0 47 13 41 0 48 13 37 0 48	10 47 2 39 10 46 2 39 10 45 2 39 10 44 2 39 10 43 2 39 10 42 2 40 10 41 2 40	7 18 0 49 7 19 0 49 7 20 0 49 7 21 0 49 7 22 0 49 7 23 0 49	10 56 1 50 10 56 1 50 10 55 1 50 10 55 1 50 10 55 1 50 10 54 1 50 10 54 1 50 10 53 1 50	4 21 13 56 4 21 13 56 4 22 13 56 4 22 13 56 4 22 13 55 4 23 13 55 4 23 13 55 4 24 13 54	22 57 22 57 22 57 22 57 22 57 22 57 22 56 22 57 22 56 22 55 22 56 22 55	14 20 14 18 14 16 14 13 14 11 14 9 14 6 14 4	5 9 1 54 5 10 1 54 5 11 1 54 5 12 1 54 5 14 1 54 5 15 1 53 5 16 1 53 5 18 1 53
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S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	1 43 2 7 2 30 2 53 3 17 3 40	2 s 2 5 4 2 0	7 18 3 20 6 56 3 14 6 32 3 6 6 5 2 57 5 36 2 46 5 5 2 34	22 14 5 29 22 27 5 34 22 40 5 39	25 30 2 33 25 27 2 32 25 24 2 31 25 20 2 30 25 17 2 28 25 13 2 27	12 19 0 50 12 14 0 50 12 10 0 50 12 5 0 50 12 1 0 51	10 23 2 42 10 22 2 42 10 20 2 42 10 19 2 43 10 17 2 43	7 38 0 49 7 39 0 49 7 40 0 49 7 41 0 49 7 42 0 49 7 42 0 49	10 47 1 51 10 47 1 51 10 46 1 51 10 45 1 51 10 45 1 51 10 44 1 51	4 30 13 51 4 31 13 51 4 31 13 50 4 32 13 50 4 32 13 50 4 33 13 50	22 45 22 50 22 45 22 50 22 44 22 50 22 43 22 49 22 42 22 49 22 40 22 48 22 40 22 48 22n39 22n48	13 31 13 29 13 26 13 24 13 21 13 19	5 36 1 52 5 38 1 52 5 39 1 52 5 41 1 52 5 42 1 52 5 43 1 52

Julian Day Number = 2316464.5, Delta T = 57.83 sec Ecliptic obliquity =  $23^{\circ}29'17$ , Nutation = - $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'42$ , Lahiri =  $18^{\circ}41'43$ Greg. Calendar

APRIL 1630 GC 00:00 UT

M   1   12   37   7   11   17   12   27   29   12   5   87   17   18   556   14   30   18   27   14   2°   84   2°   27   16   20   30   15°   8   3   16   11   10°   14   17   18   18   18   18   18   18   18																	
T 2	Day	Sid.t	0	D	φ	Q	δ	4	ħ	)∤(	¥	Р	ß	v	Ç	ę,	Day
W 3	M 1	12 37 7	11 <b>Y</b> 12'27	29 <b>M</b> 27		18 <b>8</b> 56	14930	1 <b>) (</b> 24	3°R46	12°R14	2°R47	20830	15°R 3	16 <b>Ⅲ</b> 27	8 <b>)</b> 11	10 <b>Υ</b> 14	M 1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	T 2	12 41 3	12°11'25	12 <b>~</b> 55	4 <b>Υ</b> 32	19°18	14°55	1°36		12 Mp 12	2 <b>M</b> .46	20°31		16°24		10°18	T 2
F 5	W 3	12 45 0	13°10'22		3°50	19°39	15°19	1°49	3°38	12°10	2°44	20°32	15 <b>II</b> 3	16°21	8°25	10°21	W 3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	T 4	12 48 56	14° 9'17	8 <b>云</b> 33	3°11	19°59	15°44	2° 1	3°33	12° 7	2°43	20°33	15°R 3	16°17	8°31	10°25	T 4
$ \begin{array}{c} 8 \ 7 \ 13 \ 0 \ 46 \ 17^{\circ} \ 5'50 \ 14^{\circ}52 \ 1^{\circ}42 \ 20^{\circ}44 \ 17^{\circ}0 \ 2^{\circ}38 \ 3^{\circ}21 \ 12^{\circ}1 \ 2^{\circ}38 \ 20^{\circ}37 \ 14^{\circ}58 \ 16^{\circ}8 \ 8^{\circ}51 \ 10^{\circ}36 \ S \ M \ 8 \ 13 \ 443 \ 18^{\circ} \ 4'38 \ 26^{\circ}43 \ 1^{\circ}22 \ 20^{\circ}55 \ 17^{\circ}26 \ 2^{\circ}51 \ 3^{\circ}17 \ 11^{\circ}59 \ 2^{\circ}36 \ 20^{\circ}38 \ 14^{\circ}52 \ 16^{\circ}5 \ 8^{\circ}58 \ 10^{\circ}40 \ M \ T \ 9 \ 13 \ 8 \ 39 \ 19^{\circ} \ 3'24 \ 8'434 \ 1^{\circ}7 \ 21^{\circ}4 \ 17^{\circ}52 \ 3^{\circ}3 \ 3^{\circ}12 \ 11^{\circ}57 \ 2^{\circ}35 \ 20^{\circ}39 \ 14^{\circ}43 \ 16^{\circ}1 \ 9^{\circ}5 \ 10^{\circ}43 \ T \ W10 \ 13 \ 12 \ 36 \ 20^{\circ}208 \ 20^{\circ}27 \ 0^{\circ}58 \ 21^{\circ}10 \ 18^{\circ}19 \ 3^{\circ}15 \ 3^{\circ}8 \ 11^{\circ}56 \ 2^{\circ}33 \ 20^{\circ}40 \ 14^{\circ}43 \ 15^{\circ}58 \ 9^{\circ}12 \ 10^{\circ}47 \ W10 \ T11 \ 13 \ 16 \ 32 \ 21^{\circ}050 \ 27^{\circ}26 \ 0^{\circ}D53 \ 21^{\circ}15 \ 18^{\circ}45 \ 3^{\circ}27 \ 3^{\circ}3 \ 3^{\circ}15 \ 2^{\circ}30 \ 20^{\circ}41 \ 14^{\circ}23 \ 15^{\circ}55 \ 9^{\circ}18 \ 10^{\circ}51 \ 17^{\circ}17 \ 17^{\circ}12 \ 13 \ 20^{\circ}29 \ 21^{\circ}59'30 \ 14^{\circ}41 \ 0^{\circ}54 \ 21^{\circ}R17 \ 19^{\circ}12 \ 3^{\circ}39 \ 2^{\circ}59 \ 11^{\circ}52 \ 2^{\circ}30 \ 20^{\circ}41 \ 14^{\circ}23 \ 15^{\circ}55 \ 9^{\circ}18 \ 10^{\circ}51 \ 17^{\circ}17 \ 17^{\circ}14 \ 13^{\circ}15 \ 22^{\circ}808 \ 26^{\circ}44 \ 1^{\circ}0 \ 21^{\circ}16 \ 19^{\circ}39 \ 3^{\circ}50 \ 2^{\circ}55 \ 11^{\circ}50 \ 2^{\circ}82 \ 20^{\circ}44 \ 14^{\circ}4 \ 15^{\circ}49 \ 9^{\circ}32 \ 10^{\circ}58 \ S \ 1.0^{\circ}48 \ S \ 1.0^{\circ}48 \ 10^{\circ}49 \ 10^{$	F 5	12 52 53	15° 8'10	20°52	2°37	20°16	16°10	2°14	3°29	12° 5	2°41	20°34	15° 3	16°14	8°38	10°29	F 5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 6	12 56 49	16° 7'01	2≈56	2° 7	20°31	16°35	2°26	3°25	12° 3	2°40	20°35	15° 2	16°11	8°45	10°32	S 6
T         9         13         8 39         19° 3'24         8 ★34         1° 7         21° 4         17°52         3° 3         3° 12         11°57         2°35         20°39         14°43         16° 1         9° 5         10°43         T           W10         13         12 36         20° 2'08         20°27         0°58         21°10         18°19         3°15         3° 8         11°56         2°33         20°40         14°34         15°55         9°18         10°47         WII           T 11         13 16 32         21° 050         2°26         0°D53         21°15         18°45         3°27         3° 3         11°54         2°32         20°41         14°23         15°55         9°18         10°54         F1           S 13         13 24 25         22°5808         26°44         1° 0         21°16         19°39         3°50         2°55         11°50         2°28         20°44         14° 4         15°49         9°32         10°58         S 1           S 14         13 28 22         23°56'45         9€         6         1°11         21°13         20°6         4° 2         2°50         11°48         2°27         20°45         13°57         15°46         9°39 <td>S 7</td> <td>13 0 46</td> <td>17° 5'50</td> <td>14°52</td> <td>1°42</td> <td>20°44</td> <td>17° 0</td> <td>2°38</td> <td>3°21</td> <td>12° 1</td> <td>2°38</td> <td>20°37</td> <td>14°58</td> <td>16° 8</td> <td>8°51</td> <td>10°36</td> <td>S 7</td>	S 7	13 0 46	17° 5'50	14°52	1°42	20°44	17° 0	2°38	3°21	12° 1	2°38	20°37	14°58	16° 8	8°51	10°36	S 7
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F12    13 20 29    21°59′30    14°31    0°54    21°R17    19°12    3°39    2°59    11°52    2°30    20°42    14°13    15°52    9°25    10°54    F1. S1    13 24 25    22°58′08    26°44    1° 0    21°16    19°39    3°50    2°55    11°50    2°28    20°44    14° 4    15°49    9°32    10°58    S1. S1    13 28 22    23°56′45    98 6    1°11    21°13    20° 6    4° 2    2°50    11°48    2°27    20°45    13°57    15°46    9°39    11° 2    S1. M15    13 32 18    24°55′19    21°38    1°27    21° 8    20°33    4°14    2°46    11°47    2°25    20°46    13°52    15°42    9°45    11° 5    M1		13 12 36				-							-		-		W10
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T16 13 36 15 25°53′51 4∏21 1°48 21° 0 21° 0 4°25 2°41 11°45 2°24 20°47 13°50 15°39 9°52 11° 9 T10° 13° 13° 11° 13° 11° 11° 11° 13° 11° 11																	S 14
W17   13 40 12   26°52′22   17°16   2°13   20°50   21°28   4°37   2°37   11°43   2°22   20°49   13°D50   15°36   9°59   11°12   W17   18   13 44   8   27°50′50   0525   2°42   20°38   21°56   4°48   2°32   11°42   2°20   20°50   13°51   15°33   10° 5   11°16   T1°   11°	_					-			-	,							M15
T18 13 44 8 27°50′50 0©25 2°42 20°38 21°56 4°48 2°32 11°42 2°20 20°50 13°51 15°33 10° 5 11°16 T1° F19 13 48 5 28°49′16 13°49 3°15 20°22 22°24 4°59 2°28 11°40 2°19 20°51 13°52 15°30 10°12 11°19 F19 13°13 52 1 29°47′40 27°31 3°53 20° 5 22°52 5°11 2°23 11°39 2°17 20°52 13°R53 15°26 10°19 11°23 82 13°55 8 0 66′01 11€032 4°34 19°45 23°21 5°22 2°19 11°37 2°15 20°54 13°52 15°23 10°26 11°27 82 13°59 54 1°44′21 25°50 5°19 19°23 23°49 5°33 2°14 11°36 2°14 20°55 13°50 15°20 10°32 11°30 M2 17°31 14°35 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°47 15°41 14°41 15°41 15°41 10°46 11°37 15°41 15	T 16	13 36 15	25°53'51		_	_	21° 0	4°25		11°45		20°47	13°50	15°39			T 16
F 19	1				_		_			_							W17
S 20	_	-							_							_	T 18
S 21       13 55 58       08/46'01       11Ω32       4°34       19°45       23°21       5°22       2°19       11°37       2°15       20°54       13°52       15°23       10°26       11°27       S 2         M22       13 59 54       1°44'21       25°50       5°19       19°23       23°49       5°33       2°14       11°36       2°14       20°55       13°50       15°20       10°32       11°30       M2         T 23       14 3 51       2°42'38       10m23       6° 7       18°59       24°18       5°43       2° 9       11°35       2°12       20°56       13°46       15°17       10°39       11°34       T2         W24       14 7 47       3°40'53       25° 7       6°59       18°32       24°47       5°54       2° 5       11°33       2°11       20°56       13°41       15°14       10°46       11°37       W2         T 25       14 11 44       4°39'06       9£6       7°54       18°3       25°16       6° 5       2° 0       11°32       2° 9       20°59       13°35       15°11       10°52       11°41       T2         F 26       14 15 41       5°37'18       24°41       8°52       17°33       25°45       6°15						-				-						-	F 19
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S 27     14 19 37     6°35'27     9ML15     9°53     17° 1     26°14     6°26     1°51     11°30     2° 6     21° 1     13°25     15° 4     11° 6     11°47     S 2       S 28     14 23 34     7°33'35     23°31     10°56     16°28     26°44     6°36     1°47     11°29     2° 4     21° 3     13°21     15° 1     11°13     11°51     S 2       M29     14 27 30     8°31'41     7×724     12° 3     15°53     27°13     6°47     1°42     11°27     2° 2     21° 4     13°D20     14°58     11°19     11°54     M2	_								-	_				-			T 25
S 28     14 23 34     7°33'35     23°31     10°56     16°28     26°44     6°36     1°47     11°29     2° 4     21° 3     13°21     15° 1     11°13     11°51     S 2       M29     14 27 30     8°31'41     7₹24     12° 3     15°53     27°13     6°47     1°42     11°27     2° 2     21° 4     13°D20     14°58     11°19     11°54     M2	1	_								_							F 26
M29   14 27 30   8°31'41   7₹24   12° 3   15°53   27°13   6°47   1°42   11°27   2° 2   21° 4   13°D20   14°58   11°19   11°54   M2°	S 27	14 19 37	6°35'27	9 <b>M</b> .15	9°53	17° 1	26°14	6°26	1°51	11°30	2° 6	21° 1	13°25	15° 4	11° 6	11°47	S 27
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T 30   14 31 27   9829'46   20₹52   13Y12   15817   27©43   6₩57   11M38   11mp26   21M 1   2185 5   13II20   14II55   11₩26   11Y58   T 30							_,										M29
	T 30	14 31 27	9829'46	20 <b>₹</b> 52	13 <b>'Y'</b> 12	15 <b>8</b> 17	279543	6 <b>∺</b> 57	1 <b>M</b> .38	11 Mp 26	2 <b>m</b> 1	218 5	13Ⅱ20	14∏55	11 <b>米</b> 26	11 <b>Y</b> ′58	T 30

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M 1	4n27	18 s44 1n22	4n 2 2n	n 7 23n 3 5n48	25n 6 2n25	11 s48 0	) s51	10s14	2n43	7n44	0n49	10s43	1n51	4n34 13 s49	22n39	22n48	13 s14	5n46	1n52
T 2	4 50	22 12 0 11	3 31 1	52 23 14 5 52	25 2 2 24	11 43 0	51	10 13	2 43	7 45	0 49	10 43	1 51	4 34 13 49	22 39	22 47	13 12	5 47	1 51
W 3	5 13	24 23 0s58	3 0 1	36 23 23 5 56	24 58 2 22	11 39 0	51	10 12	2 43	7 46	0 49	10 42	1 51	4 35 13 49	22 39	22 47	13 9	5 49	1 51
T 4	5 36	25 14 2 2	2 30 1	20 23 32 6 0	24 54 2 21	11 35 0	52	10 10	2 43	7 46	0 49	10 42	1 51	4 35 13 49	22 39	22 47	13 7	5 50	1 51
F 5	5 58	24 49 2 59	2 1 1	4 23 40 6 3	24 50 2 20	11 30 0	52	10 9	2 43	7 47	0 49	10 41	1 51	4 35 13 49	22 39	22 47	13 4	5 52	1 51
S 6	6 21	23 13 3 47	1 34 0	47 23 48 6 6	24 45 2 19	11 26 0	52	10 7	2 43	7 48	0 49	10 41	1 51	4 36 13 48	3 22 39	22 46	13 2	5 53	1 51
S 7	6 44	20 37 4 24	1 9 0	31 23 54 6 9	24 41 2 18	11 22 0	52	10 6	2 43	7 49	0 48	10 40	1 51	4 36 13 48	3 22 38	22 46	12 59	5 54	1 51
M 8	7 6	17 10 4 50	0 46 0	15 <b>24 0</b> 6 12	24 37 2 17	11 18 0	52	10 4	2 44	7 49	0 48	10 40	1 51	4 37 13 48	3 22 38	22 46	12 57	5 56	1 51
T 9	7 29	13 3 5 3	0 26 0s	s 1 24 4 6 14	24 32 2 16	11 13 0	52	10 3	2 44	7 50	0 48	10 39	1 51	4 37 13 48	3 22 37	22 45	12 54	5 57	1 51
W10	7 51	8 26 5 3	0 8 0	16 24 8 6 16	24 27 2 15		53	10 1	2 44	7 51	0 48	10 38	1 51	4 38 13 48	3 22 36	22 45	12 52	5 59	1 51
T 11	8 13	3 28 4 50	0s 7 0	31 24 10 6 18	24 23 2 13	11 5 0	53	9 59	2 44	7 52	0 48	10 38	1 51	4 38 13 47	22 34	22 45	12 50	6 0	1 51
F 12	8 35	1n41 4 24	0 20 0	45 24 12 6 19	24 18 2 12	11 1 0	53	9 58	2 44	7 52	0 48	10 37	1 51	4 39 13 47	7 22 33	22 44	12 47	6 1	1 51
S 13	8 57	6 50 3 45	0 30 0	59 24 12 6 19	24 13 2 11	10 57 0	53	9 56	2 44	7 53	0 48	10 37	1 51	4 39 13 47	7 22 32	22 44	12 45	6 3	1 51
S 14	9 19	11 47 2 56	0 37 1	12 24 12 6 20	24 8 2 10	10 53 0	53	9 55	2 44	7 54	0 48	10 36	1 51	4 40 13 47	22 31	22 44	12 42	6 4	1 51
M15	9 40	16 20 1 57	0 42 1	24 24 10 6 19	24 2 2 9	10 48 0	53	9 53	2 44	7 54	0 48	10 36	1 51	4 40 13 47	7 22 31	22 43	12 40	6 6	1 51
T 16	10 1	20 13 0 51	0 44 1	35 <b>24 7</b> 6 19	23 57 2 8	10 44 0	54	9 52	2 44	7 55	0 48	10 35	1 51	4 41 13 4	7 22 30	22 43	12 37	6 7	1 51
W17	10 23	23 11 0n19	0 44 1	46 24 3 6 17	23 52 2 7	10 40 0	54	9 50	2 44	7 55	0 48	10 35	1 51	4 41 13 40	5 22 30	22 42	12 35	6 8	1 51
T 18	10 44	24 58 1 28	0 42 1	56 23 58 6 15	23 46 2 6	10 36 0	54	9 49	2 44	7 56	0 48	10 34	1 51	4 41 13 40	5 22 30	22 42	12 32	6 10	1 51
F 19	11 5	25 20 2 35	0 37 2		23 41 2 5	10 32 0	54	9 47	2 44	7 56	0 48	10 33	1 51	4 42 13 46				6 11	1 51
S 20	11 25	24 12 3 34	0 30 2	14 23 43 6 10	23 35 2 4	10 29 0	54	9 46	2 44	7 57	0 48	10 33	1 51	4 42 13 40	5 22 31	22 41	12 27	6 12	1 50
S 21	11 46	21 33 4 22	0 21 2	21 23 34 6 6	23 29 2 3	10 25 0	55	9 44	2 44	7 58	0 48	10 32	1 51	4 43 13 40	22 31	22 41	12 25	6 14	1 50
M22	12 6	17 33 4 54	0 9 2	28 23 24 6 1	23 23 2 2	10 21 0	55	9 42	2 44	7 58	0 48	10 32	1 51	4 43 13 40	5 22 30	22 41	12 22	6 15	1 50
T 23	12 26	12 27 5 9	0n 4 2	35 23 12 5 56	23 17 2 1	10 17 0	55	9 41	2 44	7 59	0 48	10 31	1 51	4 44 13 46	5 22 30	22 40	12 20	6 16	1 50
W24	12 46	6 35 5 3	0 19 2	40 22 59 5 50	23 11 2 0	10 13 0	55	9 39	2 44	7 59	0 48	10 31	1 51	4 44 13 46	5 22 29	22 40	12 17	6 18	1 50
T 25	13 6	0 19 4 38	0 37 2	45 22 44 5 44	23 5 1 59	10 9 0	55	9 38	2 44	7 59	0 48	10 30	1 51	4 44 13 45	22 29	22 40	12 15	6 19	1 50
F 26	13 25	5 s 5 8 3 5 3	0 56 2	49 22 29 5 37		10 6 0	56	9 36	2 44	8 0	0 48	10 29	1 51	4 45 13 45	22 28	22 39	12 12	6 20	1 50
S 27	13 45	11 51 2 55	1 16 2	53 22 12 5 29	22 52 1 57	10 2 0	) 56	9 35	2 44	8 0	0 48	10 29	1 51	4 45 13 45	22 27	22 39	12 10	6 22	1 50
S 28	14 4	16 59 1 46	1 39 2	55 21 54 5 20	22 45 1 56	9 58 0	56	9 33	2 44	8 1	0 48	10 28	1 51	4 46 13 45	22 27	22 39	12 7	6 23	1 50
M29	14 22	21 3 0 32	2 3 2	58 21 35 5 11	22 38 1 55	9 55 0	56	9 32	2 44	8 1	0 48	10 28	1 51	4 46 13 45	22 27	22 38	12 5	6 24	1 50
T 30	14n41	23 s51 0 s41	2n28 2s	s59 21n14 5n 1	22n32 1n54	9s51 0	) s56	9 s 3 0	2n44	8n 1	0n48	10s27	1n51	4n47 13 s45	22n27	22n38	12 s 2	6n26	1n50

 $\label{eq:Julian Day Number = 2316495.5, Delta T = 57.76 sec} \\ Ecliptic obliquity = 23°29'17, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°34'46, Lahiri = 18°41'47Greg. Calendar$ 

MAY 1630 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	<del>¥</del>	Р	S.	v	Ç	Ŗ	Day
W 1	14 35 23	10827'49	3 <b>ට</b> 56	14 <b>Y</b> 24	14°R40	28913	7 <b>∺</b> 7	1°R33	11°R25	1°R59	218 7	13 <b>II</b> 21	14 <b>II</b> 52	11 <b>)</b> 33	12 <b>°</b> 1	W 1
T 2	14 39 20	11°25'51	16°38	15°38	148 3	28°43	7°17	1ML29	11 Mp 25	1 <b>M</b> 58	21° 8	13°23	14°48	11°40	12° 4	T 2
F 3	14 43 16	12°23'51	29° 0	16°55	13°25	29°13	7°27	1°24	11°24	1°56	21° 9	13°24	14°45	11°46	12° 8	F 3
S 4	14 47 13	13°21'50	11 <b>≈</b> 8	18°14	12°47	29°43	7°36	1°20	11°23	1°54	21°11	13°R25	14°42	11°53	12°11	S 4
S 5	14 51 10	14°19'48	23° 7	19°35	12° 9	0Ω14	7°46	1°16	11°22	1°53	21°12	13°25	14°39	12° 0	12°14	S 5
M 6	14 55 6	15°17'44	5 <b>₩</b> 0	20°59	11°32	0°44	7°55	1°11	11°21	1°51	21°13	13°23	14°36	12° 6	12°17	M 6
T 7	14 59 3	16°15'39	16°52	22°25	10°55	1°15	8° 5	1° 7	11°21	1°50	21°15	13°20	14°32	12°13	12°21	T 7
W 8	15 2 59	17°13'33	28°48	23°53	10°19	1°46	8°14	1° 3	11°20	1°48	21°16	13°17	14°29	12°20	12°24	W 8
T 9	15 6 56	18°11'25	10 <b>Y</b> 51	25°23	9°45	2°16	8°23	0°58	11°20	1°46	21°17	13°13	14°26	12°27	12°27	T 9
F 10	15 10 52	19° 9'16	23° 3	26°56	9°11	2°47	8°32	0°54	11°19	1°45	21°19	13° 8	14°23	12°33	12°30	F 10
S 11	15 14 49	20° 7'05	5 <b>8</b> 27	28°30	8°39	3°19	8°41	0°50	11°19	1°43	21°20	13° 5	14°20	12°40	12°33	S 11
S 12	15 18 45	21° 4'54	18° 4	08 7	8° 8	3°50	8°49	0°46	11°18	1°42	21°22	13° 2	14°17	12°47	12°36	S 12
M13	15 22 42	22° 2'41	0 <b>耳</b> 54	1°46	7°40	4°21	8°58	0°42	11°18	1°40	21°23	13° 1	14°13	12°54	12°39	M13
T 14	15 26 39	23° 0'26	13°57	3°27	7°13	4°53	9° 6	0°38	11°17	1°39	21°24	13°D 0	14°10	13° 0	12°42	T 14
W15	15 30 35	23°58'10	27°14	5°10	6°48	5°24	9°15	0°34	11°17	1°37	21°26	13° 1	14° 7	13° 7	12°45	W15
T 16	15 34 32	24°55'53	109544	6°56	6°26	5°56	9°23	0°30	11°17	1°36	21°27	13° 2	14° 4	13°14	12°48	T 16
F 17	15 38 28	25°53'34	24°25	8°43	6° 5	6°28	9°31	0°26	11°17	1°34	21°28	13° 3	14° 1	13°20	12°51	F 17
S 18	15 42 25	26°51'13	8 <b>Ω</b> 18	10°33	5°47	7° 0	9°39	0°22	11°17	1°33	21°30	13° 4	13°58	13°27	12°54	S 18
S 19	15 46 21	27°48'51	22°22	12°25	5°32	7°32	9°47	0°18	11°D17	1°32	21°31	13°R 5	13°54	13°34	12°57	S 19
M20	15 50 18	28°46'28	6 <b>m</b> 34	14°19	5°18	8° 4	9°54	0°14	11°17	1°30	21°32	13° 5	13°51	13°41	13° 0	M20
T 21	15 54 14	29°44'02	20°53	16°14	5° 7	8°36	10° 2	0°11	11°17	1°29	21°34	13° 4	13°48	13°47	13° 2	T 21
W22	15 58 11	0 <b>Ⅱ</b> 41'35	5 <b>Ω</b> 15	18°12	4°59	9° 9	10° 9	0° 7	11°17	1°27	21°35	13° 3	13°45	13°54	13° 5	W22
T 23	16 2 8	1°39'07	19°37	20°12	4°53	9°41	10°16	0° 4	11°17	1°26	21°36	13° 2	13°42	14° 1	13° 8	T 23
F 24	16 6 4	2°36'38	3 <b>M</b> .54	22°14	4°49	10°14	10°23	0° 0	11°17	1°25	21°38	13° 0	13°38	14° 7	13°10	F 24
S 25	16 10 1	3°34'07	18° 2	24°18	4°D47	10°46	10°30	29 <b>≙</b> 57	11°18	1°23	21°39	12°59	13°35	14°14	13°13	S 25
S 26	16 13 57	4°31'35	1 <b>才</b> 56	26°23	4°48	11°19	10°37	29°53	11°18	1°22	21°40	12°59	13°32	14°21	13°16	S 26
M27	16 17 54	5°29'02	15°33	28°30	4°52	11°52	10°43	29°50	11°18	1°21	21°42	12°D59	13°29	14°28	13°18	M27
T 28	16 21 50	6°26'28	28°52	0Д39	4°57	12°25	10°50	29°47	11°19	1°19	21°43	12°59	13°26	14°34	13°21	T 28
W29	16 25 47	7°23'54	11 <b>궁</b> 50	2°48	5° 5	12°58	10°56	29°44	11°19	1°18	21°44	12°59	13°23	14°41	13°23	W29
T 30	16 29 43	8°21'18	24°31	4°59	5°15	13°31	11° 2	29°41	11°20	1°17	21°46	13° 0	13°19	14°48	13°26	T 30
F 31	16 33 40	9 <b>Ⅱ</b> 18'42	6≈54	7 <b>Ⅱ</b> 10	5 <b>8</b> 27	14Ω 4	11 <b>米</b> 8	29 <b>₾</b> 38	11 <b>m</b> 21	1 <b>M</b> .16	21847	13 <b>II</b> 0	13 <b>II</b> 16	14 <b>米</b> 55	13 <b>Y</b> 28	F 31

Day	0	D	ğ	Q	ď	7	2	ŀ	ħ		) <sub>į</sub>	(	并		В	U	v	Ç	ę,
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W 1 T 2 F 3	14n59 15 17 15 35	25 17 2 52	3 24	3 0 20 31 4	4n50 22n25 4 39 22 17 4 27 22 10	1n53 1 52 1 51	9 s 4 8 9 4 4 9 4 1	0 s57 0 57 0 57	9 s 2 9 9 2 7 9 2 6	2n44 2 44 2 43	8n 2 8 2 8 2	0n48 0 48 0 48	10 26	1n51 1 51 1 51	4n47 13 s45 4 47 13 45 4 48 13 45	22 27	22 37	11 57	6n27 1n5 6 28 1 5 6 29 1 5
S 4		21 42 4 25			1 15 22 3	1 50	9 37	0 57	9 24	2 43	8 3	0 48		1 51	4 48 13 45				6 31 1 5
S 5 M 6 T 7 W 8	16 10 16 27 16 44 17 1	14 30 5 10	5 30 6	2 55 18 57 2 52 18 33	4 2 21 56 3 49 21 48 3 36 21 40 3 22 21 33	1 49 1 49 1 48 1 47	9 34 9 31 9 27 9 24	0 58 0 58 0 58 0 58	9 23 9 22 9 20 9 19	2 43 2 43 2 43 2 43	8 3 8 3 8 3 8 4	0 48 0 47 0 47 0 47	10 24 10 23	1 51 1 51 1 51 1 51	4 49 13 45 4 49 13 45 4 49 13 44 4 50 13 44	22 27 22 27	22 36 22 35	11 47 11 44	6 32 1 5 6 33 1 5 6 34 1 5 6 36 1 5
T 9 F 10 S 11	17 17 17 33 17 49	0n 3 4 38 5 15 4 1 10 21 3 12	7 55	2 44 17 44 3 2 40 17 19 2		1 46 1 45 1 44	9 21 9 18 9 15	0 58 0 59 0 59	9 17 9 16 9 15	2 43 2 43 2 43	8 4 8 4 8 4		10 22	1 51 1 51 1 51	4 50 13 44 4 50 13 44 4 51 13 44	22 25	22 34	11 36	6 37 1 5 6 38 1 5 6 39 1 5
S 12 M13 T 14 W15			9 53 10 33	2 23 16 9 2	2 25 21 0 2 11 20 52 1 56 20 43 1 42 20 35	1 43 1 42 1 41 1 41	9 12 9 9 9 6 9 3	0 59 0 59 1 0 1 0	9 13 9 12 9 11 9 9	2 43 2 42 2 42 2 42	8 4 8 4 8 4 8 4	0 47 0 47 0 47 0 47	10 20 10 20	1 51 1 51 1 51 1 51	4 51 13 44 4 52 13 44 4 52 13 44 4 52 13 44	22 24 22 24 22 24	22 33 22 33 22 32	11 29 11 26 11 24	6 41 1 5 6 42 1 5 6 43 1 5 6 44 1 5
T 16 F 17 S 18	19 16 19 30	22 24 4 20	12 39 13 21	1 53 14 45 1 45 14 26	1 28 20 26 1 14 20 17 1 0 20 8	1 40 1 39 1 38	9 0 8 57 8 54	1 0 1 0 1 1	9 8 9 7 9 6	2 42 2 42 2 42	8 4 8 4 8 4		10 18 10 18	1 51 1 51 1 51	4 53 13 44 4 53 13 44 4 53 13 44	22 25 22 25	22 32 22 31	11 18 11 16	6 45 1 5 6 46 1 5 6 47 1 5
S 19 M20 T 21 W22	19 56 20 8 20 20	8 25 5 13 2 23 4 52	14 47 15 30 16 13	1 27 13 51 0 1 17 13 35 0 1 7 13 20 0	0 47 19 59 0 34 19 50 0 21 19 41 0 8 19 31	1 37 1 36 1 35 1 35	8 52 8 49 8 46 8 44	1 1 1 1 1 1 1 2	9 5 9 4 9 2 9 1	2 42 2 41 2 41 2 41	8 4 8 4 8 4	0 47 0 47 0 47 0 47	10 17 10 17 10 16	1 51 1 51 1 51 1 51	4 54 13 44 4 54 13 44 4 54 13 44 4 55 13 44	22 25 22 25 22 25	22 31 22 30 22 30	11 11 11 8 11 5	6 49 1 5 6 50 1 5 6 51 1 5 6 52 1 5
T 23 F 24 S 25 S 26	20 32 20 43 20 55 21 5	9 43 3 20 15 6 2 14	17 37 18 18	0 47 12 55 0 36 12 43	0s 4 19 22 0 16 19 12 0 27 19 3 0 38 18 53	1 34 1 33 1 32 1 31	8 41 8 39 8 37 8 34	1 2 1 2 1 2	9 0 8 59 8 58 8 57	2 41 2 41 2 41 2 40	8 4 8 4 8 4	0 47 0 47 0 47 0 47	10 15 10 15	1 51 1 51 1 51 1 51	4 55 13 44 4 55 13 44 4 55 13 44 4 56 13 44	22 24 22 24	22 29 22 29	11 0 10 57	6 53 1 5 6 54 1 5 6 55 1 5 6 56 1 5
M27 T 28 W29 T 30	21 16 21 26 21 35 21 45	22 56 0s14 24 56 1 27 25 30 2 33 24 43 3 30	19 38 20 16 20 52 21 27	0 15 12 24 0 0 4 12 16 0 0 7 12 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1) 49 18 43 1) 59 18 33 1 9 18 22 1 18 18 12	1 30 1 30 1 29 1 28	8 32 8 30 8 28 8 26	1 3 1 3 1 4 1 4	8 56 8 55 8 54 8 53	2 40 2 40 2 40 2 40 2 40	8 3 8 3 8 3 8 3	0 47 0 47 0 47 0 47 0 46	10 14 10 14 10 13	1 51 1 51 1 51 1 51 1 51	4 56 13 44 4 56 13 44 4 57 13 44 4 57 13 44	22 24 22 24 22 24 22 24	22 28 22 27 22 27 22 27	10 52 10 50 10 47 10 44	6 57 1 5 6 58 1 5 6 59 1 5 7 0 1 5
F 31	21n54	22 s43 4 s16	22n 0	0n27 11n59	1 s27 18n 2	1n27	8 s24	1 s 4	8 s 5 3	2n39	8n 2	0n46	10s12	1n51	4n57 13 s44	22n24	22n26	10 s42	7n 1 1n:

Julian Day Number = 2316525.5, Delta T = 57.70 sec Ecliptic obliquity =  $23^{\circ}29'17$ , Nutation = -  $0^{\circ}00'18$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'51$ , Lahiri =  $18^{\circ}41'51$ Greg. Calendar

JUNE 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	24	ħ	)∤(	¥	Р	R	Ω	Ç	ķ	Day
		10 <b>II</b> 16'05					11 <b>)</b> 14			1°R15	21848	13 <b>I</b> 1		15 <b>)</b> 1	13 <b>Y</b> 31	S 1
S 1	16 37 37	10Д1603	19 <b>≈</b> 4	9∏22	5 <b>8</b> 41	14 <b>Ω</b> 37	11π14	29°R35	11 <b>m</b> 21	1 K15	21048	13Щ 1	13 <b>II</b> 13	15π 1	13 1 31	5 1
S 2	16 41 33	11°13'28	1 <b>) (</b> 4	11°34	5°57	15°11	11°19	29 <b>॒</b> 32	11°22	1 <b>M</b> .13	21°50	13° 1	13°10	15° 8	13°33	S 2
M 3	16 45 30	12°10'49	12°58	13°46	6°15	15°44	11°25	29°29	11°23	1°12	21°51	13°R 1	13° 7	15°15	13°35	M 3
T 4	16 49 26	13° 8'11	24°52	15°58	6°35	16°18	11°30	29°27	11°24	1°11	21°52	13°D 1	13° 4	15°21	13°37	T 4
W 5	16 53 23	14° 5'31	6 <b>Ƴ</b> 49	18° 9	6°56	16°51	11°35	29°24	11°24	1°10	21°53	13° 1	13° 0	15°28	13°40	W 5
T 6	16 57 19	15° 2'51	18°55	20°19	7°20	17°25	11°40	29°22	11°25	1° 9	21°55	13° 1	12°57	15°35	13°42	T 6
F 7	17 1 16	16° 0'11	1811	22°28	7°45	17°59	11°45	29°19	11°26	1° 8	21°56	13° 1	12°54	15°42	13°44	F 7
S 8	17 5 12	16°57'30	13°43	24°36	8°11	18°32	11°50	29°17	11°27	1° 7	21°57	13° 2	12°51	15°48	13°46	S 8
S 9	17 9 9	17°54'49	26°32	26°43	8°39	19° 6	11°54	29°15	11°28	1° 6	21°58	13° 2	12°48	15°55	13°48	S 9
M10	17 13 6	18°52'07	9 <b>Ⅱ</b> 40	28°47	9° 9	19°40	11°58	29°12	11°29	1° 5	22° 0	13°R 2	12°44	16° 2	13°50	M10
T 11	17 17 2	19°49'25	23° 5	0950	9°40	20°15	12° 2	29°10	11°31	1° 4	22° 1	13° 2	12°41	16° 9	13°52	T 11
W12	17 20 59	20°46'42	69547	2°52	10°13	20°49	12° 6	29° 8	11°32	1° 3	22° 2	13° 2	12°38	16°15	13°54	W12
T 13	17 24 55	21°43'59	20°43	4°51	10°46	21°23	12°10	29° 6	11°33	1° 2	22° 3	13° 1	12°35	16°22	13°56	T 13
F 14	17 28 52	22°41'15	4 <b>Ω</b> 50	6°48	11°21	21°57	12°14	29° 5	11°35	1° 1	22° 5	13° 0	12°32	16°29	13°57	F 14
S 15	17 32 48	23°38'30	19° 4	8°43	11°58	22°32	12°17	29° 3	11°36	1° 0	22° 6	12°59	12°29	16°35	13°59	S 15
S 16	17 36 45	24°35'45	3 <b>m</b> 22	10°35	12°35	23° 6	12°20	29° 1	11°37	0°59	22° 7	12°58	12°25	16°42	14° 1	S 16
M17	17 40 42	25°32'58	17°39	12°26	13°13	23°41	12°23	29° 0	11°39	0°59	22° 8	12°57	12°22	16°49	14° 3	M17
T 18	17 44 38	26°30'11	1 <b>≏</b> 53	14°14	13°53	24°15	12°26	28°58	11°40	0°58	22° 9	12°D57	12°19	16°56	14° 4	T 18
W19	17 48 35	27°27'24	16° 1	16° 0	14°34	24°50	12°29	28°57	11°42	0°57	22°10	12°57	12°16	17° 2	14° 6	W19
T 20	17 52 31	28°24'35	OM 2	17°44	15°15	25°25	12°31	28°56	11°44	0°56	22°11	12°58	12°13	17° 9	14° 7	T 20
F 21	17 56 28	29°21'47	13°53	19°25	15°58	26° 0	12°33	28°55	11°45	0°56	22°13	13° 0	12°10	17°16	14° 9	F 21
S 22	18 0 24	09518'58	27°33	21° 4	16°42	26°35	12°35	28°54	11°47	0°55	22°14	13° 1	12° 6	17°23	14°10	S 22
S 23	18 421	1°16'08	1127 1	22°41	17°26	27° 9	12°37	28°53	11°49	0°54	22°15	13°R 1	12° 3	17°29	14°11	S 23
M24	18 8 17	2°13'19	24°16	24°16	18°11	27°45	12°39	28°52	11°51	0°54	22°16	13° 1	12° 0	17°36	14°13	M24
T 25	18 12 14	3°10'29	7 <b>云</b> 17	25°48	18°58	28°20	12°40	28°51	11°52	0°53	22°17	13° 0	11°57	17°43	14°14	T 25
W26	18 16 11	4° 7'39	20° 3	27°18	19°45	28°55	12°42	28°50	11°54	0°53	22°18	12°57	11°54	17°49	14°15	W26
T 27	18 20 7	5° 4'49	2≈35	28°46	20°32	29°30	12°43	28°50	11°56	0°52	22°19	12°54	11°50	17°56	14°16	T 27
F 28	18 24 4	6° 1'59	14°54	$0\Omega11$	21°21	0 Mp 5	12°44	28°49	11°58	0°52	22°20	12°51	11°47	18° 3	14°17	F 28
S 29	18 28 0	6°59'09	27° 2	1°34	22°10	0°41	12°44	28°49	12° 0	0°51	22°21	12°47	11°44	18°10	14°19	S 29
S 30	18 31 57	7956'19	9 <b>)</b> 1	2 <b>N</b> 55	238 0	1 Mp 16	12 <b>)</b> 45	28 <b>Ω</b> 49	12 <b>m</b> ) 2	0 <b>M</b> 51	22822	12 <b>∏</b> 44	11 <b>II</b> 41	18 <b>¥</b> 16	14 <b>Y</b> 20	S 30

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S 2	22 10		5 10			11 53	-	17 41	1 25	8 20	1 5	8 51	2 39	8 2			-	4 58 1					7 3	1 50
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F 7	22 45	8 36		24 44	1 28	-	2 21	16 46	1 21	8 11	1 6	8 47	2 38	8 0		10 10	1 50				22 24		7 7	1 50
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S 9	22 56	17 58	1 30	25 7	1 40	12 0	2 33	16 23	1 20	8 8	1 7	8 46	2 38	7 59	0 46	10 9	1 50	4 59 1	13 45	22 25	22 23	10 18	7 9	1 50
M10	23 1	21 38	0 19	25 14	1 45	12 4	2 38	16 12	1 19	8 7	1 7	8 46	2 37	7 59	0 46	10 9	1 50	4 59 1	13 45	22 25	22 22	10 15	7 10	1 50
T 11	23 6	24 14			1 49	-	2 44	16 0	1 18	8 6	1 7	8 45	2 37	7 58	0 46	10 9	1 50				22 22	10 12	7 10	1 50
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_	23 14			25 19	1 55				1 17	8 3	1 8	8 44	2 37	7 57	0 46	10 8	1 50				22 21		7 12	1 50
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	23 27	2 s 1 4			1 58 1 56		3 12 3 15		1 13 1 12	7 59 7 58	1 10	8 43 8 42	2 35 2 35	7 54			1 50 1 50				22 19 22 19	9 53	7 15 7 16	1 50
1	23 29	8 8		24 12	1 54			14 12	1 12	7 57	1 10	8 42	2 35	7 53		10 7	1 50	-		22 24		9 48	7 16	1 50
F 21	23 29	-		23 55	1 51				1 11	7 57	1 10	8 42	2 35	7 52			1 50			22 24		9 45	7 17	1 50
S 22	23 29	18 17	1 24	23 36	1 48	13 37	3 23	13 47	1 10	7 56	1 11	8 42	2 34	7 52	0 46	10 6	1 50	5 1 1	13 47	22 24	22 17	9 43	7 18	1 50
S 23	23 29	21 58	0 11	23 16	1 43	13 48	3 25	13 34	1 9	7 56	1 11	8 42	2 34	7 51	0 45	10 6	1 50	5 1 1	13 47	22 24	22 17	9 40	7 18	1 50
M24	23 28	24 23	1 s 2	22 55	1 38	13 58	3 26	13 21	1 9	7 55	1 11	8 42	2 34	7 50	0 45	10 6	1 50	5 2 1	13 47	22 24	22 16	9 37	7 19	1 50
T 25	23 27	25 27	2 10	22 33	1 33	14 9	3 28	13 8	1 8	7 55	1 11	8 42	2 34	7 49	0 45	10 6	1 50	5 2 1	13 47	22 24	22 16	9 34	7 19	1 51
W26	23 25		-	-	1 27		3 29	12 55	1 7	7 55	1 12	8 42	2 33	7 49	0 45	10 6	1 50	-	-	22 24	_	9 32	7 20	1 51
T 27	23 23			21 46	1 21	14 32	3 31	12 42	1 6	7 55	1 12	8 42	2 33	7 48		10 5	1 49			22 24		9 29	7 20	1 51
1	23 21			21 21	1 13				1 6	7 55	1 12	8 42	2 33	7 47	0 45	10 5	1 49			22 23		9 26	7 21	1 51
	23 18			20 55	1 6			12 16	1 5	7 55	1 13	8 42	2 32	7 46			1 49				22 14	9 24	7 21	1 51
S 30	23n15	13 s 2	5 s 1 3	20n29	0n58	15n 7	3 s33	12n 3	1n 4	7 s 5 5	1 s13	8 s42	2n32	7n45	0n45	10s 5	1n49	5n 2 1	13 s48	22n22	22n14	9s21	7n22	1n51

Julian Day Number = 2316556.5, Delta T = 57.63 sec Ecliptic obliquity =  $23^{\circ}29'17$ , Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'55$ , Lahiri =  $18^{\circ}41'55$ Greg. Calendar

JULY 1630 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	并	Р	ß	v	Ç	Ŷ,	Day
M 1	18 35 53	8953'30	20 <b>)</b> 56	4 <b>Ω</b> 13	23851	1 <b>m</b> 52	12 <b>) (</b> 45	28°R48	12 Mp 4	0°R51	22823	12°R41	11 <b>II</b> 38	18 <b>¥</b> 23	14 <b>Υ</b> 20	M 1
T 2	18 39 50	9°50'41	2 <b>Υ</b> 49	5°28	24°42	2°27	12°R45	28°D48	12° 7	0 <b>M</b> .50	22°24	12 <b>Ⅱ</b> 40	11°35	18°30	14°21	T 2
W 3	18 43 46	10°47'52	14°45	6°41	25°34	3° 3	12°45	28 <b>≏</b> 48	12° 9	0°50	22°25	12°D40	11°31	18°36	14°22	W 3
T 4	18 47 43	11°45'04	26°50	7°52	26°26	3°39	12°45	28°48	12°11	0°50	22°26	12°41	11°28	18°43	14°23	T 4
F 5	18 51 40	12°42'16	9 <b>8</b> 7	8°59	27°19	4°14	12°45	28°49	12°13	0°49	22°27	12°42	11°25	18°50	14°24	F 5
S 6	18 55 36	13°39'28	21°42	10° 4	28°13	4°50	12°44	28°49	12°16	0°49	22°28	12°44	11°22	18°57	14°24	S 6
S 7	18 59 33	14°36'42	4 <b>Ⅱ</b> 37	11° 6	29° 7	5°26	12°43	28°49	12°18	0°49	22°29	12°45	11°19	19° 3	14°25	S 7
M 8	19 3 29	15°33'55	17°56	12° 5	0 <b>I</b> 2	6° 2	12°42	28°50	12°21	0°49	22°30	12°R45	11°16	19°10	14°26	M 8
T 9	19 7 26	16°31'10	19937	13° 1	0°57	6°38	12°41	28°50	12°23	0°49	22°31	12°44	11°12	19°17	14°26	T 9
W10	19 11 22	17°28'24	15°41	13°54	1°53	7°14	12°40	28°51	12°26	0°48	22°31	12°41	11° 9	19°24	14°27	W10
T 11	19 15 19	18°25'39	0 <b>Ω</b> 3	14°43	2°49	7°50	12°38	28°52	12°28	0°48	22°32	12°37	11° 6	19°30	14°27	T 11
F 12	19 19 15	19°22'54	14°38	15°29	3°46	8°27	12°36	28°53	12°31	0°48	22°33	12°31	11° 3	19°37	14°27	F 12
S 13	19 23 12	20°20'10	29°19	16°12	4°43	9° 3	12°34	28°54	12°33	0°D48	22°34	12°26	11° 0	19°44	14°28	S 13
S 14	19 27 9	21°17'26	13 <b>m</b> 58	16°50	5°40	9°39	12°32	28°55	12°36	0°48	22°35	12°21	10°56	19°50	14°28	S 14
M15	19 31 5	22°14'42	28°29	17°25	6°38	10°16	12°29	28°56	12°39	0°48	22°35	12°17	10°53	19°57	14°28	M15
T 16	19 35 2	23°11'58	12 <b>≏</b> 49	17°56	7°36	10°52	12°27	28°57	12°41	0°49	22°36	12°15	10°50	20° 4	14°28	T 16
W17	19 38 58	24° 9'14	26°54	18°22	8°35	11°29	12°24	28°59	12°44	0°49	22°37	12°D15	10°47	20°11	14°28	W17
T 18	19 42 55	25° 6'31	10 <b>M</b> 43	18°44	9°34	12° 5	12°21	29° 0	12°47	0°49	22°38	12°16	10°44	20°17	14°R28	T 18
F 19	19 46 51	26° 3'48	24°16	19° 2	10°33	12°42	12°18	29° 2	12°50	0°49	22°38	12°17	10°41	20°24	14°28	F 19
S 20	19 50 48	27° 1'06	7 <b>∡</b> 35	19°15	11°33	13°19	12°15	29° 4	12°53	0°49	22°39	12°R18	10°37	20°31	14°28	S 20
S 21	19 54 44	27°58'24	20°40	19°23	12°33	13°56	12°11	29° 5	12°56	0°49	22°40	12°18	10°34	20°37	14°28	S 21
M22	19 58 41	28°55'43	3 <b>궁</b> 33	19°R26	13°33	14°32	12° 8	29° 7	12°59	0°50	22°40	12°16	10°31	20°44	14°28	M22
T 23	20 2 38	29°53'02	16°14	19°24	14°34	15° 9	12° 4	29° 9	13° 2	0°50	22°41	12°11	10°28	20°51	14°28	T 23
W24	20 6 34	0 <b>Ω</b> 50'22	28°45	19°17	15°35	15°46	12° 0	29°11	13° 5	0°50	22°42	12° 5	10°25	20°58	14°28	W24
T 25	20 10 31	1°47'43	11≈ 5	19° 5	16°37	16°23	11°55	29°13	13° 8	0°51	22°42	11°57	10°22	21° 4	14°27	T 25
F 26	20 14 27	2°45'04	23°16	18°47	17°38	17° 0	11°51	29°16	13°11	0°51	22°43	11°48	10°18	21°11	14°27	F 26
S 27	20 18 24	3°42'27	5 <b>米</b> 19	18°25	18°40	17°37	11°47	29°18	13°14	0°52	22°43	11°38	10°15	21°18	14°26	S 27
S 28	20 22 20	4°39'50	17°15	17°58	19°42	18°15	11°42	29°20	13°17	0°52	22°44	11°30	10°12	21°25	14°26	S 28
M29	20 26 17	5°37'15	29° 8	17°27	20°45	18°52	11°37	29°23	13°20	0°53	22°44	11°22	10° 9	21°31	14°25	M29
T 30	20 30 13	6°34'41	10 <b>Υ</b> 59	16°51	21°48	19°29	11°32	29°25	13°23	0°53	22°45	1 <u>1</u> °17	10° 6	21°38	14°25	T 30
W31	20 34 10	7 <b>Ω</b> 32'08	22 <b>Y</b> 54	16 <b>Ω</b> 11	22 <b>I</b> I51	20 Mg 7	11 <b>米</b> 27	29 <b>॒</b> 28	13 Mp 26	0 <b>M</b> .54	22 <b>8</b> 45	11 <b>I</b> I13	10 <b>I</b> I 2	21 <b>)</b> 45	14 <b>Υ</b> 24	W31

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M 1 T 2 W 3 T 4 F 5 S 6		3 23 4 5 1n44 4 2 6 52 3 4 11 49 2 5		0 40 0 30 0 20 0 10	15n19 15 32 15 44 15 56 16 8 16 20	3 33	11 36	1n 3 1 3 1 2 1 1 1 1 1 0	7 s 5 5 7 5 5 7 5 6 7 5 6 7 5 7 5 7 5 7 5 7	1 s13 1 14 1 14 1 14 1 14 1 15	8 s 4 2 8 4 2 8 4 3 8 4 3 8 4 3 8 4 4	2n32 2 32 2 31 2 31 2 31 2 31	7n45 7 44 7 43 7 42 7 41 7 40	0 45 0 45 0 45 0 45	10 5 10 5 10 5 10 5	1n49 1 49 1 49 1 49 1 49 1 49	5 2 13 48 5 2 13 49 5 2 13 49	3 22n22 3 22 22 3 22 22 9 22 22 9 22 22 9 22 22	22 13 22 13 22 12 22 12	9s18 9 15 9 13 9 10 9 7 9 4	7 22 7 23 7 23 7 23	1n51 1 51 1 51 1 51 1 51 1 51
S 7 M 8 T 9 W10 T 11 F 12 S 13	22 41 22 35 22 28 22 21 22 13	20 23 0 4 23 24 0n2 25 10 1 4 25 22 2 5 23 54 3 4 20 51 4 3	4 17 17 8 16 50 1 16 22 0 15 56 9 15 29	0 12 0 24 0 36 0 48 1 1 1 13		3 32	10 27 10 13 9 59 9 45 9 31 9 17 9 2	0 59 0 58 0 58 0 57 0 56 0 56 0 55		1 15 1 15 1 16 1 16 1 16 1 17 1 17	8 44 8 45 8 45 8 45 8 46 8 47 8 47	2 30 2 30 2 30 2 30 2 30 2 29 2 29 2 29	7 39 7 38 7 37 7 36 7 35 7 34 7 33	0 45 0 45 0 45	10 5 10 5 10 5 10 5 10 5 10 5	1 49 1 49 1 49 1 49 1 49 1 49 1 49	5 2 13 49 5 3 13 50 5 3 13 50 5 3 13 50 5 3 13 50		22 11 22 10 22 10 22 10 22 10 22 9 22 9	9 2 8 59 8 56 8 53 8 50 8 48 8 45	7 24 7 24 7 24 7 25 7 25 7 25	1 51 1 51 1 51 1 51 1 51 1 51 1 51 1 51
S 14 M15 T 16 W17 T 18 F 19 S 20	21 48 21 39 21 29 21 20 21 9 20 59 20 48	5 9 4 5 0s58 4 2 6 57 3 4 12 30 2 4 17 19 1 3	7 13 29 1 13 8 3 12 48	1 53 2 7 2 20 2 34 2 47	17 56 18 7 18 19 18 30 18 40 18 51 19 1	3 25 3 23 3 21 3 19 3 17 3 15 3 13	8 48 8 34 8 19 8 5 7 50 7 35 7 20	0 54 0 53 0 53 0 52 0 51 0 51 0 50	8 4 8 5 8 6 8 7 8 9 8 10 8 12	1 17 1 17 1 18 1 18 1 18 1 19 1 19	8 48 8 49 8 49 8 50 8 51 8 52 8 52	2 28 2 28 2 28 2 28 2 27 2 27 2 27	7 32 7 31 7 30 7 29 7 28 7 27 7 25	0 45 0 45 0 45 0 45 0 45 0 45 0 45	10 5 10 5 10 5 10 5 10 5	1 48 1 48 1 48 1 48 1 48 1 48 1 48	5 2 13 51 5 2 13 51 5 2 13 52 5 2 13 52 5 2 13 52	22 19 22 19 22 19 22 18 2 22 19 2 22 19 2 22 19	22 7 22 7 22 6 22 6 22 6	8 42 8 39 8 37 8 34 8 31 8 28 8 25	7 25 7 25 7 25 7 26 7 26	1 51 1 51 1 51 1 51 1 51 1 51 1 51
S 21 M22 T 23 W24 T 25 F 26 S 27	20 25 20 13 20 1 19 48 19 35	25 18 1 5 25 21 2 5 24 6 3 4 21 41 4 2 18 21 4 5	2 11 34	3 27 3 39 3 51 4 2 4 13	19 11 19 21 19 31 19 40 19 49 19 57 20 6	3 11 3 9 3 6 3 4 3 1 2 58 2 55	7 6 6 51 6 36 6 21 6 6 5 51 5 36	0 49 0 49 0 48 0 47 0 46 0 46 0 45	8 13 8 15 8 17 8 19 8 20 8 22 8 24	1 19 1 19 1 20 1 20 1 20 1 21 1 21	8 53 8 54 8 55 8 56 8 57 8 58 8 59	2 27 2 26 2 26 2 26 2 26 2 25 2 25	7 24 7 23 7 22 7 21 7 20 7 18 7 17	-	10 6 10 6 10 6 10 6 10 7	1 48 1 48 1 48 1 48 1 48 1 48 1 48	5 2 13 52 5 2 13 53 5 2 13 53 5 2 13 53 5 2 13 53		22 4 22 4 22 3 22 3 22 2	8 23 8 20 8 17 8 14 8 11 8 9 8 6	7 25 7 25 7 25 7 25 7 25 7 25	1 51 1 51 1 51 1 51 1 51 1 51 1 51
S 28 M29 T 30 W31	19 8 18 54 18 40 18n25	4 48 4 5 0n17 4 2	4 11 11 1 11 13 6 11 18 9 11n25	4 38 4 44	20 28	2 52 2 49 2 46 2 s43	5 20 5 5 4 50 4n34	0 44 0 44 0 43 0n42	8 26 8 28 8 31 8 s 33	1 21 1 21 1 22 1 s22	9 0 9 1 9 3 9s 4	2 25 2 24 2 24 2n24	7 16 7 15 7 13 7n12	0 44 0 44	10 7 10 8	1 48 1 48 1 48 1n47	5 1 13 54	22 12 22 11 22 11 22 11 22n10	22 1 22 1	8 3 8 0 7 57 7 s 5 4	7 25 7 24	1 51 1 52 1 52 1n52

Julian Day Number = 2316586.5, Delta T = 57.56 sec Ecliptic obliquity =  $23^{\circ}29'17$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}34'59$ , Lahiri =  $18^{\circ}41'59$ Greg. Calendar

AUGUST 1630 GC 00:00 UT

Γ-		_	_		_	1	1	_			_	1		_		
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)بُ(	¥	Р	r	Ω	Ç	ę,	Day
T 1	20 38 7	8 <b>Ω</b> 29'36	4 <b>8</b> 56	15°R29	23耳54	20 <b>m</b> /44	11°R21	29 <b>₾</b> 31	13 Mp 30	0 <b>M</b> 54	22 <b>8</b> 46	11°D12	9∏59	21 <b>米</b> 51	14°R23	T 1
F 2	20 42 3	9°27'05	17°11	14 <b>Ω</b> 43	24°58	21°22	11 <b>)</b> 16	29°34	13°33	0°55	22°46	11 <b>Ⅱ</b> 12	9°56	21°58	14 <b>Y</b> 23	F 2
S 3	20 46 0	10°24'36	29°43	13°56	26° 2	21°59	11°10	29°37	13°36	0°56	22°47	11°13	9°53	22° 5	14°22	S 3
S 4	20 49 56	11°22'09	12 <b>II</b> 38	13° 8	27° 6	22°37	11° 4	29°40	13°39	0°56	22°47	11°R14	9°50	22°12	14°21	S 4
M 5	20 53 53	12°19'43	25°59	12°20	28°10	23°14	10°58	29°43	13°43	0°57	22°48	11°13	9°47	22°18	14°20	M 5
T 6	20 57 49	13°17'18	99547	11°33	29°15	23°52	10°52	29°46	13°46	0°58	22°48	11°10	9°43	22°25	14°19	T 6
W 7	21 1 46	14°14'55	24° 3	10°47	09519	24°30	10°46	29°49	13°50	0°59	22°48	11° 4	9°40	22°32	14°18	W 7
T 8	21 5 43	15°12'33	8 <b>Ω</b> 42	10° 4	1°24	25° 8	10°40	29°53	13°53	0°59	22°49	10°56	9°37	22°38	14°17	T 8
F 9	21 9 39	16°10'12	23°39	9°24	2°30	25°46	10°33	29°56	13°56	1° 0	22°49	10°47	9°34	22°45	14°16	F 9
S 10	21 13 36	17° 7'52	8 <b>m</b> 43	8°49	3°35	26°24	10°27	29°59	14° 0	1° 1	22°49	10°37	9°31	22°52	14°15	S 10
S 11	21 17 32	18° 5'33	23°45	8°19	4°40	27° 2	10°20	OM 3	14° 3	1° 2	22°49	10°28	9°28	22°59	14°13	S 11
M12	21 21 29	19° 3'16	8 <b>亞</b> 36	7°55	5°46	27°40	10°13	0° 7	14° 7	1° 3	22°50	10°21	9°24	23° 5	14°12	M12
T 13	21 25 25	20° 1'00	23° 9	7°37	6°52	28°18	10° 6	0°11	14°10	1° 4	22°50	10°16	9°21	23°12	14°11	T 13
W14	21 29 22	20°58'44	7 <b>™</b> 20	7°25	7°58	28°56	9°59	0°15	14°14	1° 5	22°50	10°14	9°18	23°19	14° 9	W14
T 15	21 33 18	21°56'30	21° 8	7°D21	9° 5	29°35	9°52	0°19	14°17	1° 6	22°50	10°D13	9°15	23°26	14° 8	T 15
F 16	21 37 15	22°54'17	4 <b>₹</b> 35	7°25	10°11	0 <b>ჲ</b> 13	9°45	0°23	14°21	1° 7	22°50	10°R13	9°12	23°32	14° 6	F 16
S 17	21 41 11	23°52'05	17°41	7°36	11°18	0°51	9°38	0°27	14°25	1° 8	22°50	10°13	9° 8	23°39	14° 5	S 17
S 18	21 45 8	24°49'55	0 <b>ට</b> 31	7°55	12°25	1°30	9°30	0°31	14°28	1° 9	22°51	10°12	9° 5	23°46	14° 3	S 18
M19	21 49 5	25°47'46	13° 8	8°21	13°32	2° 8	9°23	0°35	14°32	1°10	22°51	10° 8	9° 2	23°52	14° 2	M19
T 20	21 53 1	26°45'38	25°33	8°56	14°39	2°47	9°15	0°40	14°35	1°12	22°51	10° 1	8°59	23°59	14° 0	T 20
W21	21 56 58	27°43'31	7≈50	9°38	15°46	3°26	9° 8	0°44	14°39	1°13	22°51	9°52	8°56	24° 6	13°58	W21
T 22	22 0 54	28°41'26	19°58	10°28	16°54	4° 4	9° 0	0°49	14°43	1°14	22°51	9°40	8°53	24°13	13°57	T 22
F 23	22 4 51	29°39'22	2 <b>)</b> 1	11°24	18° 2	4°43	8°52	0°53	14°46	1°15	22°R51	9°26	8°49	24°19	13°55	F 23
S 24	22 8 47	0 Mg 37'20	13°58	12°28	19°10	5°22	8°44	0°58	14°50	1°17	22°51	9°13	8°46	24°26	13°53	S 24
S 25	22 12 44	1°35'19	25°51	13°38	20°18	6° 1	8°37	1° 2	14°54	1°18	22°51	9° 0	8°43	24°33	13°51	S 25
M26	22 16 40	2°33'21	7 <b>Υ</b> 42	14°55	21°26	6°40	8°29	1° 7	14°57	1°19	22°51	8°48	8°40	24°39	13°49	M26
T 27	22 20 37	3°31'24	19°33	16°17	22°34	7°19	8°21	1°12	15° 1	1°21	22°51	8°39	8°37	24°46	13°47	T 27
W28	22 24 34	4°29'29	1828	17°44	23°43	7°58	8°13	1°17	15° 5	1°22	22°51	8°33	8°33	24°53	13°45	W28
T 29	22 28 30	5°27'35	13°29	19°16	24°51	8°37	8° 5	1°22	15° 9	1°23	22°50	8°30	8°30	25° 0	13°43	T 29
F 30	22 32 27	6°25'44	25°42	20°53	26° 0	9°16	7°57	1°27	15°12	1°25	22°50	8°29	8°27	25° 6	13°41	F 30
S 31	22 36 23	7 <b>m</b> 23'55	8 <b>Ⅱ</b> 10	22 <b>N</b> 33	2795 9	9 <b>≙</b> 55	7 <b>)</b> €49	1 <b>M</b> .32	15 <b>M</b> p16	1 <b>M</b> 26	22 <b>8</b> 50	8 <b>Ⅱ</b> 28	8∏24	25 <b>米</b> 13	13 <b>Y</b> 39	S 31

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T 1 F 2 S 3	18n11 17 55 17 40	15 0 2 5	11 47 4 5	51 20n41 2s40 52 20 47 2 37 52 20 52 2 34	4n19 0n42 4 4 0 41 3 48 0 40	8 s 3 5 1 s 2 2 8 3 7 1 2 2 8 4 0 1 2 3	9s 5 2n24 9 6 2 23 9 7 2 23	7n11 0n44 7 10 0 44 7 8 0 44	10 8 1 47	5 1 13 55	22n10 22n 0 22 10 21 59 22 10 21 59	7 s52 7 49 7 46	7n24 1n52 7 24 1 52 7 23 1 52
S 4 M 5 T 6 W 7 T 8 F 9 S 10	16 35 16 18 16 1	24 43 1 18 25 33 2 26 24 45 3 27 22 15 4 17 18 13 4 49	12 53 4 3 13 13 4 3 13 34 4 2 13 55 4	45 21 2 2 27 39 21 6 2 23	3 33 0 40 3 17 0 39 3 2 0 38 2 46 0 38 2 30 0 37 2 15 0 36 1 59 0 36	8 42 1 23 8 45 1 23 8 47 1 23 8 50 1 23 8 52 1 24 8 55 1 24 8 58 1 24	9 9 2 23 9 10 2 23 9 11 2 22 9 13 2 22 9 14 2 22 9 16 2 22 9 17 2 21	7 7 0 44 7 6 0 44 7 4 0 44 7 3 0 44 7 2 0 44 7 0 0 44 6 59 0 44	10 9 1 47 10 10 1 47 10 10 1 47 10 10 1 47 10 11 1 47	5 0 13 56	22 8 21 56 22 6 21 56	7 43 7 40 7 37 7 35 7 32 7 29 7 26	7 23 1 52 7 23 1 52 7 22 1 52 7 22 1 52 7 21 1 52 7 21 1 52 7 21 1 52 7 21 1 52
S 11 M12 T 13 W14 T 15 F 16 S 17		0 40 4 27 5s34 3 42 11 23 2 45 16 29 1 39 20 36 0 30	14 59 3 2 15 19 3 1 15 38 2 3 15 55 2 3 16 12 2 2	12 21 21 1 58 55 21 21 1 54 38 21 20 1 50	1 43 0 35 1 27 0 34 1 11 0 34 0 56 0 33 0 40 0 32 0 24 0 32 0 8 0 31	9 1 1 24 9 3 1 25 9 6 1 25 9 9 1 25 9 12 1 25 9 15 1 25 9 18 1 25	9 19 2 21 9 20 2 21 9 22 2 21 9 23 2 21 9 25 2 20 9 26 2 20 9 28 2 20	6 58 0 44 6 56 0 44 6 55 0 44 6 54 0 44 6 52 0 44 6 51 0 44 6 49 0 44	10 12 1 47 10 12 1 47 10 13 1 47 10 13 1 47	4 59 13 57 4 59 13 58 4 59 13 58 4 59 13 58 4 59 13 58 4 59 13 59 4 58 13 59	22 3 21 54 22 2 21 54 22 2 21 53 22 2 21 53 22 2 21 52	7 23 7 20 7 17 7 15 7 12 7 9 7 6	7 20 1 52 7 20 1 52 7 19 1 52 7 19 1 52 7 18 1 52 7 18 1 52 7 17 1 52
S 18 M19 T 20 W21 T 22 F 23 S 24	12 57 12 37 12 17 11 57 11 37	25 34 2 45	16 49 1 2 16 57 1 1 17 2 0 3 17 4 0 3 17 4 0 2	10 21 10 1 31 53 21 7 1 27 36 21 2 1 23	0 s 8 0 30 0 24 0 30 0 40 0 29 0 56 0 28 1 12 0 28 1 28 0 27 1 44 0 26	9 21 1 26 9 24 1 26 9 27 1 26 9 30 1 26 9 33 1 26 9 36 1 26 9 39 1 26	9 30 2 20 9 31 2 19 9 33 2 19 9 35 2 19 9 37 2 19 9 38 2 19 9 40 2 18	6 48 0 44 6 47 0 44 6 45 0 44 6 44 0 44 6 42 0 44 6 41 0 44 6 40 0 44	10 15 1 46 10 15 1 46 10 16 1 46 10 16 1 46 10 16 1 46	4 57 14 0 4 57 14 0 4 57 14 1		7 3 7 0 6 57 6 54 6 51 6 49 6 46	7 16 1 52 7 16 1 52 7 15 1 52 7 14 1 52 7 14 1 52 7 13 1 52 7 12 1 52
S 25 M26 T 27 W28 T 29 F 30 S 31	9 10	0 58 4 23 4n 9 3 48 9 10 3 2 13 53 2 8 18 8 1 7	16 46 0 2 16 33 0 3 16 18 0 4 15 59 0 3 15 37 1	9 20 46 1 12 23 20 40 1 8 35 20 33 1 4 47 20 25 1 0 57 20 17 0 56 7 20 8 0 52 16 19n59 0s48	2 0 0 26 2 16 0 25 2 32 0 24 2 48 0 24 3 4 0 23 3 20 0 22 3 s36 0n22	9 42 1 27 9 45 1 27 9 48 1 27 9 51 1 27 9 54 1 27 9 57 1 27 10s 0 1 s27	9 42 2 18 9 44 2 18 9 46 2 18 9 48 2 17 9 50 2 17 9 52 2 17 9 \$53 2n17	6 37 0 44 6 35 0 44 6 34 0 44 6 32 0 44 6 31 0 44	10 18 1 46 10 19 1 46 10 20 1 46	4 56 14 1 4 56 14 2 4 55 14 2 4 55 14 2 4 55 14 2	21 51 21 48 21 49 21 48 21 47 21 47 21 47 21 47 21 46 21 46 21 46 21 46 21n46 21n45	6 43 6 40 6 37 6 34 6 31 6 28 6s25	7 12 1 52 7 11 1 52 7 10 1 52 7 9 1 52 7 8 1 52 7 8 1 52 7n 7 1n52

Julian Day Number = 2316617.5, Delta T = 57.49 sec Ecliptic obliquity =  $23^{\circ}29'17$ , Nutation =  $-0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}35'03$ , Lahiri =  $18^{\circ}42'04$ Greg. Calendar

SEPTEMBER 1630 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	¥	В	n	S	Ç	Ŷ,	Day
S 1	22 40 20	8 m/ 22'08	21 <b>I</b> 1	24 <b>Ω</b> 16	289518	10 <b>≏</b> 34	7°R41	1 <b>M</b> .37	15 <b>m</b> 20	1 <b>M</b> 28	22°R50	8°R28	8Д21	25 <b>米</b> 20	13°R37	S 1
M 2	22 44 16	9°20'23	49917	26° 2	29°27	11°14	7 <b>)</b> €33	1°42	15°24	1°29	22 <b>8</b> 50	8Ⅲ27	8°18	25°26	13 <b>Y</b> 35	M 2
T 3	22 48 13	10°18'41	18° 2	27°51	$0\Omega 37$	11°53	7°25	1°48	15°27	1°31	22°50	8°23	8°14	25°33	13°32	T 3
W 4	22 52 9	11°17'00	2 <b>Ω</b> 16	29°41	1°46	12°33	7°17	1°53	15°31	1°32	22°49	8°17	8°11	25°40	13°30	W 4
T 5	22 56 6	12°15'21	16°59	1 <b>m</b> 32	2°56	13°12	7° 9	1°59	15°35	1°34	22°49	8° 9	8° 8	25°47	13°28	T 5
F 6	23 0 3	13°13'44	2 Mp 3	3°25	4° 5	13°52	7° 2	2° 4	15°39	1°36	22°49	7°58	8° 5	25°53	13°26	F 6
S 7	23 3 59	14°12'09	17°19	5°18	5°15	14°31	6°54	2°10	15°42	1°37	22°48	7°47	8° 2	26° 0	13°23	S 7
S 8	23 7 56	15°10'36	2 <b>₾</b> 37	7°12	6°25	15°11	6°46	2°15	15°46	1°39	22°48	7°37	7°59	26° 7	13°21	S 8
M 9	23 11 52	16° 9'04	17°45	9° 6	7°35	15°51	6°38	2°21	15°50	1°41	22°48	7°28	7°55	26°13	13°18	M 9
T 10	23 15 49	17° 7'35	2 <b>M</b> 33	11° 0	8°46	16°31	6°30	2°27	15°54	1°42	22°47	7°22	7°52	26°20	13°16	T 10
W11	23 19 45	18° 6'07	16°56	12°53	9°56	17°10	6°23	2°32	15°58	1°44	22°47	7°19	7°49	26°27	13°13	W11
T 12	23 23 42	19° 4'41	0 <b>∡</b> 752	14°46	11° 6	17°50	6°15	2°38	16° 1	1°46	22°47	7°17	7°46	26°34	13°11	T 12
F 13	23 27 38	20° 3'16	14°21	16°39	12°17	18°30	6° 8	2°44	16° 5	1°48	22°46	7°17	7°43	26°40	13° 8	F 13
S 14	23 31 35	21° 1'53	27°26	18°31	13°28	19°10	6° 0	2°50	16° 9	1°49	22°46	7°17	7°39	26°47	13° 6	S 14
S 15	23 35 32	22° 0'32	10 <b>ਰ</b> 11	20°22	14°38	19°51	5°53	2°56	16°13	1°51	22°45	7°16	7°36	26°54	13° 3	S 15
M16	23 39 28	22°59'12	22°39	22°12	15°49	20°31	5°46	3° 2	16°16	1°53	22°45	7°12	7°33	27° 0	13° 1	M16
T 17	23 43 25	23°57'54	4≈55	24° 2	17° 0	21°11	5°38	3° 8	16°20	1°55	22°44	7° 6	7°30	27° 7	12°58	T 17
W18	23 47 21	24°56'38	17° 1	25°50	18°11	21°51	5°31	3°14	16°24	1°57	22°44	6°57	7°27	27°14	12°55	W18
T 19	23 51 18	25°55'24	29° 1	27°38	19°22	22°32	5°24	3°20	16°28	1°59	22°43	6°46	7°24	27°21	12°53	T 19
F 20	23 55 14	26°54'12	10 <b>米</b> 57	29°25	20°34	23°12	5°18	3°27	16°31	2° 1	22°43	6°34	7°20	27°27	12°50	F 20
S 21	23 59 11	27°53'01	22°50	1₽11	21°45	23°53	5°11	3°33	16°35	2° 2	22°42	6°21	7°17	27°34	12°47	S 21
S 22	0 3 7	28°51'52	4 <b>Υ</b> 42	2°56	22°57	24°33	5° 4	3°39	16°39	2° 4	22°42	6° 8	7°14	27°41	12°45	S 22
M23	0 7 4	29°50'46	16°35	4°40	24° 8	25°14	4°58	3°45	16°43	2° 6	22°41	5°57	7°11	27°47	12°42	M23
T 24	0 11 1	0 <b>ჲ</b> 49'42	28°29	6°23	25°20	25°54	4°51	3°52	16°46	2° 8	22°40	5°49	7° 8	27°54	12°39	T 24
W25	0 14 57	1°48'39	10827	8° 5	26°32	26°35	4°45	3°58	16°50	2°10	22°40	5°43	7° 5	28° 1	12°36	W25
T 26	0 18 54	2°47'39	22°32	9°47	27°44	27°16	4°39	4° 5	16°54	2°12	22°39	5°40	7° 1	28° 8	12°34	T 26
F 27	0 22 50	3°46'42	4 <b>Ⅱ</b> 48	11°27	28°56	27°57	4°33	4°11	16°57	2°14	22°38	5°D39	6°58	28°14	12°31	F 27
S 28	0 26 47	4°45'46	17°17	13° 7	0 mg 8	28°37	4°27	4°18	17° 1	2°16	22°38	5°40	6°55	28°21	12°28	S 28
S 29	0 30 43	5°44'53	095 5	14°46	1°20	29°18	4°21	4°24	17° 5	2°18	22°37	5°R40	6°52	28°28	12°25	S 29
M30	0 34 40	6 <b>₽</b> 44'03	139516	16 <b>♀</b> 24	2 Mp 32	29 <b>£</b> 59	4 <b>) (</b> 16	4 <b>M</b> .31	17 <b>m</b> ) 8	2 <b>M</b> 20	22 <b>8</b> 36	5 <b>Ⅱ</b> 40	6∏49	28 <b>)</b> 34	12 <b>Y</b> 22	M30

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	decl	decl lat	decl lat	t decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl la	at	decl lat	decl	decl	decl	decl l	at
S 1	8n27	24n17 1n 6	14n46 1	1n23 19n49	0s44 3s52	0n21	10s 3	1 s27	9 s 5 5	2n17	6n28	0n44	10s21	1n46	4n54 14s	3 21n46	21n45	6 s 2 2	7n 6	1n52
M 2	8 5			1 29 19 39	0 40 4 8			1 27	9 57	2 17	6 26	0 44	10 22	1 46	4 54 14	3 21 46		6 20	7 5	1 52
T 3	7 43		-	1 35 19 28	0 36 4 24			1 27	9 59	2 16	6 25	0 44	10 22	1 46	-	-	21 44	6 17	7 4	1 52
W 4		23 39 4 4		1 39 19 17	0 33 4 40	0 19		1 27	10 1	2 16	6 24	0 44	10 23	1 46	1 33 11	4 21 44		6 14	7 3	1 52
T 5				1 43 19 5	0 29 4 56	0 18		1 27	10 3	2 16	6 22	0 44	10 24	1 46	1 33 11	4 21 43	-	6 11	7 2	1 52
F 6	6 36	15 24 4 59	11 55 1	1 46 18 52	0 25 5 12			1 27	10 6	2 16	6 21	0 44	10 24	1 46		4 21 41		6 8	7 1	1 52
S 7	6 14	9 33 4 56	11 15 1	1 47 18 39	0 21 5 28	0 17	10 21	1 27	10 8	2 16	6 19	0 44	10 25	1 46	4 52 14	4 21 39	21 42	6 5	7 1	1 52
S 8	5 51	3 7 4 33	10 34 1	1 48 18 25	0 18 5 44	0 16	10 24	1 27	10 10	2 15	6 18	0 44	10 25	1 45	4 52 14	5 21 37	21 41	6 2	7 0	1 52
M 9	5 28	3 s 2 6 3 5 0		1 49 18 11	0 14 6 0	0 16	10 27	1 27	10 12	2 15	6 16	0 44	10 26	1 45	-	5 21 36		5 59	6 59	1 52
T 10	5 6	9 41 2 53		1 48 17 57	0 10 6 16		10 30			2 15	6 15	0 44		1 45		5 21 35		5 56	6 58	1 52
W11	4 43	15 15 1 45		1 47 17 41	0 7 6 32	0 15	10 33		10 16	2 15	6 13	0 44	10 27	1 45		5 21 34		5 53	6 57	1 52
T 12				1 46 17 26	0 3 6 48			1 27		2 15	6 12			1 45		6 21 34		5 50	6 56	1 52
F 13		23 11 0s37		1 43 17 10	0n 1 7 4		10 38	1 27		2 15	6 10			1 45			21 38	5 47	6 55	1 52
S 14	3 34	25 12 1 45	6 6 1	1 40 16 53	0 4 7 20	0 13	10 41	1 27	10 22	2 14	6 9	0 44	10 29	1 45	4 50 14	6 21 34	21 38	5 44	6 54	1 51
S 15	3 11	25 50 2 45	5 19 1	1 37 16 36	0 8 7 35	0 12	10 44	1 27	10 25	2 14	6 7	0 44	10 30	1 45	4 50 14	6 21 34	21 37	5 41	6 53	1 51
M16	2 47	25 8 3 36	4 32 1	1 34 16 18	0 11 7 51	0 11	10 46	1 27	10 27	2 14	6 6	0 44	10 30	1 45	4 50 14	6 21 33	21 37	5 39	6 51	1 51
T 17	2 24	23 12 4 16	3 45 1	1 29 16 0	0 14 8 7	0 11	10 49	1 27	10 29	2 14	6 5	0 44	10 31	1 45	4 49 14	7 21 32	21 36	5 36	6 50	1 51
W18	2 1	20 16 4 43	2 57 1	1 25 15 41	0 18 8 23	0 10	10 51	1 27	10 31	2 14	6 3	0 44	10 32	1 45	4 49 14	7 21 31	21 36	5 33	6 49	1 51
T 19	1 37	16 30 4 58	2 10 1	1 20 15 22	0 21 8 38	0 9	10 54	1 27	10 33	2 14	6 2		10 32	1 45		7 21 29		5 30	6 48	1 51
F 20	1 14	12 6 5 0	1 23 1	1 15 15 3	0 24 8 54		10 57	1 27	10 36	2 14	6 0	0 44	10 33	1 45	4 48 14	7 21 27	21 35	5 27	6 47	1 51
S 21	0 51	7 16 4 49	0 36 1	1 10 14 43	0 27 9 9	0 8	10 59	1 27	10 38	2 13	5 59	0 44	10 34	1 45	4 48 14	8 21 25	21 34	5 24	6 46	1 51
S 22	0 27	2 11 4 25	0s11 1	1 4 14 23	0 30 9 25	0 7	11 1	1 27	10 40	2 13	5 57	0 44	10 35	1 45	4 48 14	8 21 23	21 34	5 21	6 45	1 51
M23	0 4	2n59 3 50	0 58 0	0 58 14 2	0 34 9 40	0 7	11 4	1 27	10 43	2 13	5 56	0 44	10 35	1 45	4 47 14	8 21 21	21 33	5 18	6 44	1 51
T 24	0 s20	8 5 3 4	1 44 0	0 52 13 41	0 37 9 56	0 6	11 6	1 27	10 45	2 13	5 54	0 44	10 36	1 45	4 47 14	8 21 19	21 33	5 15	6 43	1 51
W25	0 43	12 56 2 10	2 31 0	0 46 13 19	0 40 10 11	0 6	11 8	1 27	10 47	2 13	5 53	0 44	10 37	1 45	4 46 14	8 21 18	21 32	5 12	6 42	1 51
T 26	1 7	17 19 1 9	3 16 0	0 40 12 57	0 42 10 27	0 5	11 10	1 27	10 49	2 13	5 52	0 44	10 37	1 45	4 46 14	9 21 18	21 32	5 9	6 40	1 51
F 27	1 30	21 4 0 5	4 2 0	0 33 12 35	0 45 10 42	0 4		1 27	10 52	2 13	5 50	0 44	10 38	1 45	4 46 14	9 21 18	21 31	5 6	6 39	1 51
S 28	1 54	23 54 1n 2	4 47 0	0 27 12 12	0 48 10 57	0 4	11 15	1 27	10 54	2 12	5 49	0 44	10 39	1 45	4 45 14	9 21 18	21 31	5 3	6 38	1 51
S 29	2 17	25 36 2 7	5 31 0	0 20 11 49	0 51 11 12	0 3	11 16	1 26	10 56	2 12	5 47	0 44	10 40	1 45	4 45 14	9 21 18	21 30	5 0	6 37	1 51
M30	2 s41	25n56 3n 7	6s15 0	0n13 11n25	0n53 11 s27	0n 2	11s18	1 s26	10s59	2n12	5n46	0n44	10 s40	1n45	4n45 14s	9 21n18	21n29	4s57	6n36	1n51

 $\label{eq:Julian Day Number = 2316648.5, Delta T = 57.43 sec} \\ Ecliptic obliquity = 23°29'18, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°35'07, Lahiri = 18°42'08Greg. Calendar \\ \\$ 

OCTOBER 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ď	21	ħ	)∤(	¥	Р	n	Ω	Ç	ķ	Day
						_	4							-		,
T 1	0 38 36	7 <b>£</b> 43'14	26952	18₽ 1	3 m 45	0M40	4°R10	4ML38	17 <b>m</b> ) 12	2 <b>M</b> 23	22°R36	5°R39	6 <b>Ⅱ</b> 45	28 <b>)</b> (41	12°R20	T 1
W 2	0 42 33	8°42'29	10 <b>Ω</b> 57	19°37	4°57	1°22	4 <b>∀</b> 5	4°44	17°15	2°25	22835	5 <b>Ⅱ</b> 35	6°42	28°48	12 <b>Υ</b> 17	W 2
T 3	0 46 30	9°41'45	25°29	21°13	6°10	2° 3	4° 0	4°51	17°19	2°27	22°34	5°29	6°39	28°55	12°14	T 3
F 4	0 50 26	10°41'03	10 <b>m</b> 24	22°48	7°22	2°44	3°55	4°58	17°23	2°29	22°33	5°21	6°36	29° 1	12°11	F 4
S 5	0 54 23	11°40'24	25°35	24°22	8°35	3°25	3°50	5° 5	17°26	2°31	22°32	5°13	6°33	29° 8	12° 8	S 5
S 6	0 58 19	12°39'47	10 <b>≏</b> 52	25°55	9°48	4° 7	3°46	5°11	17°30	2°33	22°32	5° 5	6°30	29°15	12° 5	S 6
M 7	1 2 16	13°39'12	26° 4	27°28	11° 0	4°48	3°41	5°18	17°33	2°35	22°31	4°58	6°26	29°21	12° 3	M 7
T 8	1 6 12	14°38'39	11 <b>M</b> 0	29° 0	12°13	5°30	3°37	5°25	17°37	2°37	22°30	4°54	6°23	29°28	12° 0	T 8
W 9	1 10 9	15°38'08	25°33	0 <b>M</b> 31	13°26	6°11	3°33	5°32	17°40	2°39	22°29	4°51	6°20	29°35	11°57	W 9
T 10	1 14 5	16°37'39	9 <b>,₹</b> 39	2° 2	14°39	6°53	3°29	5°39	17°43	2°42	22°28	4°D51	6°17	29°42	11°54	T 10
F 11	1 18 2	17°37'11	23°17	3°32	15°53	7°34	3°25	5°46	17°47	2°44	22°27	4°52	6°14	29°48	11°51	F 11
S 12	1 21 58	18°36'46	6 <b>ප</b> 28	5° 1	17° 6	8°16	3°22	5°53	17°50	2°46	22°26	4°53	6°10	29°55	11°48	S 12
S 13	1 25 55	19°36'22	19°15	6°30	18°19	8°58	3°19	6° 0	17°54	2°48	22°25	4°R54	6° 7	0Υ 2	11°46	S 13
M14	1 29 52	20°36'00	1≈43	7°57	19°32	9°40	3°15	6° 7	17°57	2°50	22°25	4°53	6° 4	0° 8	11°43	M14
T 15	1 33 48	21°35'39	13°56	9°25	20°46	10°22	3°12	6°14	18° 0	2°53	22°24	4°51	6° 1	0°15	11°40	T 15
W16	1 37 45	22°35'21	25°58	10°51	21°59	11° 4	3°10	6°21	18° 4	2°55	22°23	4°46	5°58	0°22	11°37	W16
T 17	1 41 41	23°35'04	7 <b>) (</b> 54	12°17	23°13	11°46	3° 7	6°28	18° 7	2°57	22°22	4°40	5°55	0°29	11°35	T 17
F 18	1 45 38	24°34'49	19°46	13°41	24°26	12°28	3° 5	6°35	18°10	2°59	22°21	4°33	5°51	0°35	11°32	F 18
S 19	1 49 34	25°34'35	1 <b>Y</b> 38	15° 5	25°40	13°10	3° 3	6°42	18°13	3° 2	22°20	4°25	5°48	0°42	11°29	S 19
S 20	1 53 31	26°34'24	13°31	16°29	26°54	13°52	3° 1	6°49	18°16	3° 4	22°19	4°18	5°45	0°49	11°26	S 20
M21	1 57 27	27°34'14	25°28	17°51	28° 7	14°34	2°59	6°56	18°20	3° 6	22°18	4°12	5°42	0°55	11°24	M21
T 22	2 1 24	28°34'07	7 <b>8</b> 30	19°12	29°21	15°17	2°58	7° 4	18°23	3°8	22°17	4° 7	5°39	1° 2	11°21	T 22
W23	2 5 21	29°34'01	19°38	20°33	0 <b>ჲ</b> 35	15°59	2°56	7°11	18°26	3°10	22°16	4° 4	5°36	1° 9	11°18	W23
T 24	2 9 17	0 <b>M</b> 33'57	1 <b>Ⅱ</b> 54	21°52	1°49	16°41	2°55	7°18	18°29	3°13	22°15	4°D 3	5°32	1°16	11°16	T 24
F 25	2 13 14	1°33'56	14°20	23°10	3° 3	17°24	2°54	7°25	18°32	3°15	22°14	4° 3	5°29	1°22	11°13	F 25
S 26	2 17 10	2°33'57	26°59	24°27	4°17	18° 6	2°53	7°32	18°35	3°17	22°13	4° 5	5°26	1°29	11°10	S 26
S 27	2 21 7	3°34'00	9953	25°42	5°31	18°49	2°53	7°39	18°38	3°19	22°12	4° 6	5°23	1°36	11° 8	S 27
M28	2 25 3	4°34'05	23° 5	26°56	6°45	19°32	2°53	7°47	18°41	3°22	22°10	4° 8	5°20	1°42	11° 5	M28
T 29	2 29 0	5°34'12	$6\Omega$ 37	28° 8	7°59	20°14	2°D53	7°54	18°44	3°24	22° 9	4°R 8	5°16	1°49	11° 3	T 29
W30	2 32 56	6°34'21	20°32	29°18	9°14	20°57	2°53	8° 1	18°47	3°26	22° 8	4° 8	5°13	1°56	11° 0	W30
T 31	2 36 53	7 <b>M</b> 34'32	4 Mp 48	0 <b>∡</b> 27	10 <b>≏</b> 28	21 <b>M</b> 40	2 <b>∺</b> 53	8 <b>M</b> 8	18 <b>M</b> 49	3 <b>M</b> 28	22 <b>8</b> 7	4 <b>I</b> I 6	5 <b>Ⅱ</b> 10	2 <b>Υ</b> 2	10 <b>Y</b> 58	T 31

Day	0	2	)	ζ	5	ç	)	ď	7	2	ŀ	ħ	ı	ړ(	(	j	ţ.	Е	<u>-</u>	n	v	Ç	ę,	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl l	iat
T 1	3 s 4	24n44	3n59	6s59	0n 6	11n 2	0n56	11 s42	0n 2	11 s20	1 s26	11s 1	2n12	5n44	0n44	10s41	1n45	4n44	14s10	21n17	21n29	4 s 5 4	6n35	1n51
W 2	3 28	21 58	4 38	7 42	0 s 1	10 37	0 59	11 57	0 1	11 22	1 26	11 3	2 12	5 43	0 44	10 42	1 45	4 44	14 10	21 17	21 28	4 51	6 33	1 51
T 3	3 51	17 46	5 1	8 25	0 8	10 13	1 1	12 12	0 0	11 24	1 26	11 6	2 12	5 42	0 44	10 42	1 45	4 44	14 10	21 16	21 28	4 48	6 32	1 50
F 4	4 14	12 22	5 4	9 7	0 15	9 48	1 3	12 27	0s 0	11 26	1 26	11 8	2 12	5 40	0 44	10 43	1 45	4 43	14 10	21 14	21 27	4 45	6 31	1 50
S 5	4 38	6 8	4 47	9 48	0 22	9 23	1 6	12 42	0 1	11 27	1 26	11 10	2 12	5 39	0 44	10 44	1 45	4 43	14 10	21 13	21 27	4 42	6 30	1 50
S 6	5 1	0s30	4 9	10 29	0 29	8 58	1 8	12 56	0 1	11 29	1 26	11 13	2 12	5 38	0 44	10 45	1 45	4 43	14 10	21 11	21 26	4 39	6 29	1 50
M 7	5 24	7 5	3 13	11 9	0 36	8 32	1 10	13 11	0 2	11 30	1 25	11 15	2 11	5 36	0 44	10 45	1 45	4 42	14 11	21 10	21 26	4 36	6 28	1 50
T 8	5 47	13 11	2 5	11 48	0 43	8 6	1 12	13 25	0 3	11 32	1 25	11 17	2 11	5 35	0 44	10 46	1 45	4 42	14 11	21 9	21 25	4 33	6 26	1 50
W 9	6 10	18 23	0 50	12 27	0 50	7 40	1 14	13 40	0 3	11 33	1 25	11 20	2 11	5 34	0 44	10 47	1 45	4 42	14 11	21 9	21 25	4 30	6 25	1 50
T 10	6 33	22 22	0 s26	13 5	0 57	7 13	1 16	13 54	0 4	11 34	1 25	11 22	2 11	5 32	0 44	10 48	1 45	4 41	14 11	21 9	21 24	4 27	6 24	1 50
F 11	6 56	24 57	1 38	13 43	1 3	6 47	1 18	14 8	0 5	11 35	1 25	11 24	2 11	5 31	0 44	10 48	1 45	4 41	14 11	21 9	21 24	4 24	6 23	1 50
S 12	7 19	26 2	2 42	14 19	1 10	6 20	1 20	14 22	0 5	11 36	1 25	11 27	2 11	5 30	0 44	10 49	1 45	4 40	14 11	21 9	21 23	4 21	6 22	1 50
S 13	7 41	25 40	3 37	14 55	1 17	5 53	1 22	14 36	0 6	11 38	1 24	11 29	2 11	5 28	0 44	10 50	1 45	4 40	14 11	21 9	21 22	4 18	6 20	1 50
M14	8 4	24 1	4 19	15 30	1 23	5 26	1 23	14 50	0 6	11 39	1 24	11 32	2 11	5 27	0 44	10 51	1 45	4 40	14 12	21 9	21 22	4 15	6 19	1 50
T 15	8 26	21 17	4 49	16 4	1 30	4 58	1 25	15 4	0 7	11 39	1 24	11 34	2 11	5 26	0 44	10 51	1 45	4 39	14 12	21 9	21 21	4 12	6 18	1 49
W16	8 48	17 40	5 5	16 38	1 36	4 30	1 26	15 18	0 8	11 40	1 24	11 36	2 11	5 24	0 44	10 52	1 45	4 39	14 12	21 8	21 21	4 9	6 17	1 49
T 17	9 11	13 23	5 9	17 10	1 42	4 3	1 28	15 31	0 8	11 41	1 24	11 39	2 11	5 23	0 44	10 53	1 45	4 39	14 12	21 7	21 20	4 6	6 16	1 49
F 18	9 33	8 38	4 58	17 42	1 48	3 35	1 29	15 45	0 9	11 42	1 24	11 41	2 11	5 22	0 44	10 54	1 45	4 38	14 12	21 6	21 20	4 3	6 15	1 49
S 19	9 54	3 33	4 35	18 13	1 54	3 6	1 30	15 58	0 9	11 42	1 23	11 43	2 11	5 21	0 44	10 55	1 45	4 38	14 12	21 4	21 19	4 0	6 13	1 49
S 20	10 16	1n39	4 0	18 43	2 0	2 38	1 32	16 12	0 10	11 43	1 23	11 46	2 11	5 20	0 44	10 55	1 45	4 38	14 12	21 3	21 19	3 57	6 12	1 49
M21	10 38	6 51	3 14	19 11	2 5	2 10	1 33	16 25	0 11	11 43	1 23	11 48	2 10	5 18	0 44	10 56	1 45	4 37	14 12	21 2	21 18	3 54	6 11	1 49
T 22	10 59	11 50	2 20	19 39	2 10	1 41	1 34	16 38	0 11	11 44	1 23	11 51	2 10	5 17	0 44	10 57	1 44	4 37	14 12	21 1	21 17	3 51	6 10	1 49
W23	11 21	16 26	1 18	20 6	2 15	1 13	1 35	16 51	0 12	11 44	1 23	11 53	2 10	5 16	0 44	10 58	1 44	4 37	14 13	21 0	21 17	3 48	6 9	1 49
T 24	11 42	20 23	0 12	20 31	2 20	0 44	1 35	17 4	0 13	11 44	1 22	11 55	2 10	5 15	0 44	10 58	1 44	4 36	14 13	21 0	21 16	3 45	6 8	1 48
F 25	12 3	23 30	0n56	20 56	2 24	0 15	1 36	17 16	0 13	11 44	1 22	11 58	2 10	5 14	0 44	10 59	1 44	4 36	14 13	21 0	21 16	3 42	6 6	1 48
S 26	12 23	25 29	2 2	21 19	2 29	0s13	1 37	17 29	0 14	11 44	1 22	12 0	2 10	5 12	0 44	11 0	1 44	4 36	14 13	21 0	21 15	3 39	6 5	1 48
S 27	12 44	26 10	3 4	21 41	2 32	0 42	1 38	17 41	0 14	11 44	1 22	12 2	2 10	5 11	0 44	11 1	1 44	4 35	14 13	21 1	21 15	3 36	6 4	1 48
M28	13 4	25 24	3 57	22 2	2 36	1 11	1 38	17 53	0 15	11 44	1 22		2 10	5 10	0 45	11 1	1 44	4 35	14 13	21 1	21 14	3 33	6 3	1 48
T 29	13 24	23 9	4 38	22 22	2 39	1 40	1 39	18 5	0 16	11 44	1 21	12 7	2 10	5 9	0 45	11 2	1 45	4 35	14 13	21 1	21 13	3 30	6 2	1 48
W30	13 44	19 29		22 40		2 9	1 39	18 17	0 16	11 44	1 21		2 10	5 8	0 45	11 3	1 45	4 35	14 13	21 1	21 13	3 27	6 1	1 48
T 31	14 s 4	14n38	5n14	22 s57	2 s43	2 s38	1n39	18 s29	0s17	11 s44	1 s21	12s12	2n10	5n 7	0n45	11s 4	1n45	4n34	14s13	21n 1	21n12	3 s24	6n 0	1n48

Julian Day Number = 2316678.5, Delta T = 57.36 sec Ecliptic obliquity =  $23^{\circ}29'18$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}35'12$ , Lahiri =  $18^{\circ}42'12$ Greg. Calendar

NOVEMBER 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)វ(	¥	Р	v	Ω	Ç	ę,	Day
F 1	2 40 50	8MJ34'46	19 <b>m</b> 23	1 <b>₹</b> 32	11 <b>≏</b> 42	22 <b>M</b> 23	2 <b>)</b> 53	8 <b>M</b> .15	18 <b>m</b> 52	3 <b>M</b> .31	22°R 6	4°R 3	5 <b>I</b> 7	2 <b>Υ</b> 9	10°R55	F 1
S 2	2 44 46	9°35'01	4 <u>₽</u> 14	2°36	12°57	23° 6	2°54	8°22	18°55	3°33	22 <b>8</b> 5	3Ⅲ59	5° 4	2°16	10 <b>Y</b> 53	S 2
S 3	2 48 43	10°35'18	19°12	3°36	14°11	23°49	2°55	8°30	18°58	3°35	22° 4	3°56	5° 1	2°23	10°51	S 3
M 4	2 52 39	11°35'38	4 <b>M</b> .10	4°33	15°26	24°32	2°56	8°37	19° 0	3°37	22° 3	3°53	4°57	2°29	10°48	M 4
T 5	2 56 36	12°35'59	18°59	5°26	16°40	25°15	2°58	8°44	19° 3	3°40	22° 2	3°51	4°54	2°36	10°46	T 5
W 6	3 0 32	13°36'21	3 <b>∡</b> 31	6°15	17°55	25°58	2°59	8°51	19° 5	3°42	22° 1	3°D51	4°51	2°43	10°44	W 6
T 7	3 4 29	14°36'46	17°40	6°59	19° 9	26°41	3° 1	8°58	19°8	3°44	22° 0	3°51	4°48	2°49	10°41	T 7
F 8	3 8 25	15°37'12	1 <b>る</b> 24	7°39	20°24	27°25	3° 3	9° 6	19°10	3°46	21°58	3°52	4°45	2°56	10°39	F 8
S 9	3 12 22	16°37'39	14°42	8°12	21°38	28° 8	3° 5	9°13	19°13	3°49	21°57	3°54	4°42	3° 3	10°37	S 9
S 10	3 16 19	17°38'08	27°35	8°39	22°53	28°52	3° 7	9°20	19°15	3°51	21°56	3°55	4°38	3°10	10°35	S 10
M11	3 20 15	18°38'38	10≈ 8	8°58	24° 8	29°35	3°10	9°27	19°18	3°53	21°55	3°56	4°35	3°16	10°33	M11
T 12	3 24 12	19°39'09	22°23	9° 9	25°23	0 <b>₹</b> 19	3°13	9°34	19°20	3°55	21°54	3°R56	4°32	3°23	10°31	T 12
W13	3 28 8	20°39'42	4 <b>)</b> (26	9°R12	26°37	1° 2	3°15	9°41	19°22	3°57	21°53	3°56	4°29	3°30	10°29	W13
T 14	3 32 5	21°40'16	16°21	9° 5	27°52	1°46	3°19	9°48	19°25	3°59	21°52	3°54	4°26	3°36	10°27	T 14
F 15	3 36 1	22°40'51	28°13	8°49	29° 7	2°29	3°22	9°55	19°27	4° 2	21°51	3°53	4°22	3°43	10°25	F 15
S 16	3 39 58	23°41'27	10 <b>Y</b> 5	8°21	0 <b>M</b> 22	3°13	3°25	10° 3	19°29	4° 4	21°49	3°51	4°19	3°50	10°23	S 16
S 17	3 43 54	24°42'04	22° 0	7°43	1°37	3°57	3°29	10°10	19°31	4° 6	21°48	3°50	4°16	3°56	10°21	S 17
M18	3 47 51	25°42'43	4 <b>8</b> 2	6°55	2°52	4°41	3°33	10°17	19°33	4° 8	21°47	3°49	4°13	4° 3	10°19	M18
T 19	3 51 48	26°43'24	16°14	5°56	4° 7	5°25	3°37	10°24	19°35	4°10	21°46	3°48	4°10	4°10	10°18	T 19
W20	3 55 44	27°44'05	28°35	4°49	5°22	6° 9	3°41	10°31	19°37	4°12	21°45	3°D48	4° 7	4°17	10°16	W20
T 21	3 59 41	28°44'48	11 <b>II</b> 8	3°35	6°37	6°53	3°46	10°38	19°39	4°14	21°44	3°48	4° 3	4°23	10°14	T 21
F 22	4 3 37	29°45'32	23°54	2°15	7°52	7°37	3°51	10°45	19°41	4°16	21°43	3°48	4° 0	4°30	10°13	F 22
S 23	4 7 34	0 <b>≯</b> 46'18	6952	0°53	9° 7	8°21	3°55	10°51	19°43	4°18	21°42	3°48	3°57	4°37	10°11	S 23
S 24	4 11 30	1°47'05	20° 4	29MJ31	10°22	9° 5	4° 0	10°58	19°44	4°21	21°40	3°49	3°54	4°43	10°10	S 24
M25	4 15 27	2°47'54	3⋒30	28°12	11°37	9°49	4° 6	11° 5	19°46	4°23	21°39	3°49	3°51	4°50	10° 8	M25
T 26	4 19 23	3°48'44	17° 9	26°58	12°52	10°34	4°11	11°12	19°48	4°25	21°38	3°R49	3°48	4°57	10° 7	T 26
W27	4 23 20	4°49'35	1 Mp 2	25°52	14° 7	11°18	4°17	11°19	19°49	4°27	21°37	3°D49	3°44	5° 4	10° 5	W27
T 28	4 27 17	5°50'28	15° 7	24°56	15°22	12° 2	4°22	11°26	19°51	4°29	21°36	3°49	3°41	5°10	10° 4	T 28
F 29	4 31 13	6°51'22	29°24	24°10	16°37	12°47	4°28	11°32	19°52	4°31	21°35	3°49	3°38	5°17	10° 3	F 29
S 30	4 35 10	7 <b>₹</b> 752'18	13 <b>≏</b> 49	23M35	17 <b>M</b> 52	13 <b>~</b> 31	4 <b>) (</b> 34	11 <b>M</b> 39	19 <b>m</b> 54	4 <b>M</b> .33	21834	3 <b>Ⅱ</b> 49	3 <b>Ⅲ</b> 35	5 <b>Ƴ</b> 24	10 <b>Υ</b> 2	S 30

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S 3 M 4 T 5 W 6	15 39	10 29 2	41 23 38 36 23 48 21 23 57 2 24 4	2 46 4 3	2 1 40 1	19 15 0 19 19 26 0 20	11 42 1 11 41 1	20 12 19 20 12 21 20 12 23 20 12 26	2 10 2 10	5 3	0 45 0 45 0 45 0 45	11 7 1 45	4 33 14 13 4 33 14 13 4 33 14 13 4 32 14 13	20 58 2 20 58 2	21 10 21 9	3 15 3 12 3 9 3 6	5 57 5 56 5 55 5 53	1 47 1 47 1 47 1 47
T 7 F 8 S 9		24 10 1 s 25 55 2	2 24 4 s16 24 9 26 24 12 27 24 12	2 40 5 5 2 36 6 2	9 1 39 1 7 1 39 1	19 48 0 21 19 58 0 22	11 39 1 11 39 1	20 12 28 20 12 28 19 12 30 19 12 32	2 10 2 10	5 0 4 59 4 58	0 45 0 45	11 9 1 45	4 32 14 13 4 32 14 13 4 32 14 13 4 32 14 13	20 58 2 20 58 2	21 8 21 8	3 6 3 3 3 0 2 57	5 52 5 51 5 51	1 47 1 47 1 47 1 46
S 10 M11 T 12 W13 T 14 F 15 S 16	17 24 17 41	22 23 4 18 57 5 14 48 5 10 8 5 5 7 4	15 24 11 49 24 6 10 24 0 16 23 50 9 23 37 48 23 22 15 23 3	2 9 8 2 1 59 8 4 1 47 9 1 1 34 9 4	2 1 38 2 0 1 37 2 7 1 36 2 5 1 36 2	20 29 0 23 20 39 0 24 20 48 0 24 20 58 0 25 21 7 0 26	11 35 1 11 34 1 11 33 1 11 32 1 11 30 1	19 12 35 19 12 37 19 12 39 18 12 41 18 12 44 18 12 46 18 12 48	2 10 2 10 2 10 2 10 2 10 2 10	4 56 4 55	0 45 0 45 0 45 0 45 0 45	11 11 1 45 11 12 1 45 11 13 1 45 11 13 1 45 11 14 1 45 11 15 1 45 11 15 1 45	4 31 14 13 4 31 14 13 4 31 14 13 4 31 14 13 4 30 14 13 4 30 14 13 4 30 14 13	20 59 2 20 59 2 20 59 2 20 58 2 20 58 2	21 6 21 5 21 5 21 4 21 4	2 53 2 50 2 47 2 44 2 41 2 38 2 35	5 50 5 49 5 48 5 47 5 46 5 45 5 44	1 46 1 46 1 46 1 46 1 46 1 46 1 45
S 17 M18 T 19 W20 T 21 F 22 S 23	19 28 19 42 19 55 20 8	10 25 2 15 12 1 19 25 0 22 50 0n 25 10 1	31 22 41 38 22 15 36 21 46 29 21 15 141 20 41 49 20 5 53 19 29	0 26 11 2 0 6 11 5 0n14 12 2 0 35 12 4	3 1 32 2 9 1 31 2 5 1 30 2 1 1 29 2 7 1 27 2	21 34 0 27 21 42 0 28 21 51 0 28 21 59 0 29 22 7 0 30	11 26 1 11 24 1 11 22 1 11 20 1 11 18 1	18 12 50 17 12 52 17 12 54 17 12 57 17 12 59 17 13 1 16 13 3	2 10 2 10 2 10 2 10 2 10 2 10	4 51 4 50 4 50 4 49 4 48 4 47 4 47	0 45 0 45 0 45 0 45 0 45	11 16 1 45 11 17 1 45 11 17 1 45 11 18 1 45 11 19 1 45 11 19 1 45 11 20 1 45		20 57 2 20 57 2 20 57 2 20 57 2 20 57 2	21 2 21 1 21 1 21 0 21 0	2 32 2 29 2 26 2 23 2 20 2 17 2 14	5 43 5 42 5 41 5 41 5 40 5 39 5 38	1 45 1 45 1 45 1 45 1 45 1 44 1 44
S 24 M25 T 26 W27 T 28 F 29 S 30	20 46	23 51 4 20 33 5 16 4 5 10 39 5 4 37 4	50 18 53 34 18 18 4 17 46 17 17 17 11 16 51 46 16 31 1 3 16s15	1 32 14 1 48 14 2 2 3 14 5 2 15 15 1 2 25 15 3	2 1 23 2 6 1 22 2 0 1 20 2 3 1 19 2 6 1 17 2	22 29 0 31 22 36 0 32 22 43 0 32 22 49 0 33 22 56 0 33	11 12 1 11 10 1 11 8 1 11 6 1 11 3 1	16 13 5 16 13 7 16 13 9 15 13 11 15 13 13 15 13 15 13 15 13 15	2 11 2 11 2 11 2 11 2 11 2 11	4 46 4 45 4 45 4 44 4 44 4 43 4n43	0 45 0 46 0 46 0 46 0 46	11 21 1 45 11 21 1 45 11 22 1 45 11 23 1 45 11 23 1 45 11 24 1 45 11 s25 1n45	4 28 14 13 4 28 14 13 4 28 14 13 4 28 14 12 4 28 14 12 4 27 14 12 4n27 14s12	20 57 2 20 57 2 20 57 2 20 57 2 20 57 2	20 58 20 57 20 57 20 56 20 55	2 11 2 8 2 4 2 1 1 58 1 55 1 s52	5 38 5 37 5 36 5 36 5 35 5 34 5n34	1 44 1 44 1 44 1 44 1 43 1n43

Julian Day Number = 2316709.5, Delta T = 57.30 sec Ecliptic obliquity =  $23^{\circ}29'18$ , Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}35'16$ , Lahiri =  $18^{\circ}42'16$ Greg. Calendar

DECEMBER 1630 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)ţ(	¥	В	n	Ω	Ç	ķ	Day
S 1	4 39 6	8 <b>×</b> 753'15	28 <b>£</b> 20	23°R12	19 <b>M</b> 8	14 <b>×</b> 16	4 <b>)</b> €41	11 <b>M</b> .46	19 <b>m</b> )55	4MJ34	21°R33	3Д50	3 <b>II</b> 32	5 <b>Υ</b> 30	10°R 0	S 1
M 2	4 43 3	9°54'13	12ML51	23 N 0	20°23	15° 0	4°47	11°52	19°56	4°36	21832	3°50	3°28	5°37	9Υ59	M 2
T 3	4 46 59	10°55'12	27°16	22°D59	21°38	15°45	4°54	11°59	19°58	4°38	21°31	3°R51	3°25	5°44	9°58	T 3
W 4	4 50 56	11°56'13	11 <b>×</b> 731	23° 8	22°53	16°30	5° 0	12° 6	19°59	4°40	21°30	3°51	3°22	5°50	9°57	W 4
T 5	4 54 53	12°57'14	25°30	23°27	24° 9	17°15	5° 7	12°12	20° 0	4°42	21°29	3°50	3°19	5°57	9°56	T 5
F 6	4 58 49	13°58'16	9 <b>ට</b> 10	23°53	25°24	17°59	5°14	12°19	20° 1	4°44	21°28	3°49	3°16	6° 4	9°55	F 6
S 7	5 2 46	14°59'19	22°28	24°28	26°39	18°44	5°22	12°25	20° 2	4°46	21°26	3°48	3°13	6°11	9°55	S 7
S 8	5 6 42	16° 0'22	5≈25	25° 9	27°54	19°29	5°29	12°32	20° 3	4°48	21°25	3°46	3° 9	6°17	9°54	S 8
M 9	5 10 39	17° 1'26	18° 1	25°56	29°10	20°14	5°37	12°38	20° 4	4°49	21°24	3°44	3° 6	6°24	9°53	M 9
T 10	5 14 35	18° 2'31	0 <b>∺</b> 20	26°48	0 <b>∡</b> 125	20°59	5°44	12°44	20° 5	4°51	21°23	3°43	3° 3	6°31	9°52	T 10
W11	5 18 32	19° 3'35	12°25	27°45	1°40	21°44	5°52	12°51	20° 6	4°53	21°22	3°42	3° 0	6°37	9°52	W11
T 12	5 22 28	20° 4'40	24°21	28°47	2°56	22°29	6° 0	12°57	20° 7	4°55	21°21	3°D42	2°57	6°44	9°51	T 12
F 13	5 26 25	21° 5'46	6 <b>Υ</b> 12	29°51	4°11	23°14	6° 9	13° 3	20° 8	4°56	21°21	3°43	2°54	6°51	9°51	F 13
S 14	5 30 22	22° 6'52	18° 4	0 <b>₹</b> 59	5°26	24° 0	6°17	13° 9	20° 8	4°58	21°20	3°44	2°50	6°57	9°50	S 14
S 15	5 34 18	23° 7'58	0 <b>8</b> 1	2°10	6°42	24°45	6°25	13°15	20° 9	5° 0	21°19	3°46	2°47	7° 4	9°50	S 15
M16	5 38 15	24° 9'04	12° 7	3°23	7°57	25°30	6°34	13°21	20°10	5° 1	21°18	3°47	2°44	7°11	9°50	M16
T 17	5 42 11	25°10'11	24°26	4°38	9°12	26°15	6°43	13°27	20°10	5° 3	21°17	3°48	2°41	7°18	9°49	T 17
W18	5 46 8	26°11'18	7 <b>I</b> 0	5°55	10°28	27° 1	6°52	13°33	20°11	5° 4	21°16	3°R49	2°38	7°24	9°49	W18
T 19	5 50 4	27°12'25	19°50	7°13	11°43	27°46	7° 1	13°39	20°11	5° 6	21°15	3°48	2°34	7°31	9°49	T 19
F 20	5 54 1	28°13'33	2959	8°33	12°58	28°32	7°10	13°45	20°11	5° 8	21°14	3°45	2°31	7°38	9°49	F 20
S 21	5 57 57	29°14'41	16°23	9°55	14°14	29°17	7°19	13°51	20°12	5° 9	21°13	3°42	2°28	7°44	9°D49	S 21
S 22	6 1 54	0 <b>궁</b> 15'49	0 <b>Ω</b> 2	11°17	15°29	0ට 3	7°29	13°56	20°12	5°11	21°12	3°38	2°25	7°51	9°49	S 22
M23	6 5 5 1	1°16'58	13°53	12°41	16°44	0°48	7°38	14° 2	20°12	5°12	21°12	3°34	2°22	7°58	9°49	M23
T 24	6 9 47	2°18'07	27°52	14° 5	18° 0	1°34	7°48	14° 8	20°12	5°13	21°11	3°30	2°19	8° 4	9°49	T 24
W25	6 13 44	3°19'16	11 <b>m</b> 57	15°30	19°15	2°20	7°58	14°13	20°12	5°15	21°10	3°27	2°15	8°11	9°49	W25
T 26	6 17 40	4°20'26	26° 5	16°56	20°31	3° 5	8° 8	14°19	20°R12	5°16	21° 9	3°25	2°12	8°18	9°50	T 26
F 27	6 21 37	5°21'36	10₽15	18°23	21°46	3°51	8°18	14°24	20°12	5°18	21° 8	3°D25	2° 9	8°25	9°50	F 27
S 28	6 25 33	6°22'47	24°23	19°50	23° 1	4°37	8°28	14°29	20°12	5°19	21° 8	3°26	2° 6	8°31	9°50	S 28
S 29	6 29 30	7°23'58	8 <b>M</b> 29	21°18	24°17	5°23	8°38	14°35	20°12	5°20	21° 7	3°27	2° 3	8°38	9°51	S 29
M30	6 33 26	8°25'09	22°31	22°47	25°32	6° 9	8°49	14°40	20°12	5°21	21° 6	3°29	2° 0	8°45	9°51	M30
T 31	6 37 23	9 <b>ප</b> 26'21	6 <b>₹</b> 27	24 <b>×</b> 16	26 <b>∡</b> 48	6 <b>ප</b> 55	8 <b>米</b> 59	14 <b>M</b> .45	20 <b>m</b> 11	5 <b>M</b> 23	218 5	3°R29	1 <b>II</b> 56	8 <b>Ƴ</b> 51	9 <b>Ƴ</b> 52	T 31

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S 1 M 2 T 3	21 s50 21 59 22 8	13 55 1 54	16s 4 2n3 15 57 2 4 15 55 2 4	2 16 44 1 12 23 1	3 0 35 1	10 56 1 15	13 s19 2n11 13 21 2 11 13 23 2 11	4n42 0n46 4 42 0 46 4 41 0 46		4 27 14 12	20n58 20n54 20 58 20 54 20 58 20 53	1 s49 1 46 1 43	5n33 1n43 5 32 1 43 5 32 1 43
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_	23 7 23 11 23 15	1 37 4 27			0 40 1 0 41 1	10 27 1 13 10 24 1 12	13 40 2 12 13 41 2 12 13 43 2 12	4 38 0 46 4 38 0 46	11 32 1 46 11 32 1 46 11 33 1 46	4 26 14 10 4 26 14 10	20 56 20 47 20 56 20 47 20 56 20 46	1 15 1 12 1 9	5 28 1 41 5 27 1 41 5 27 1 41
S 15 M16 T 17	23 24	13 39 1 57 18 5 0 52	19 13 1 4 19 35 1 3	3 21 13 0 40 24	0 42 1 0 43 1	10 14 1 12 10 11 1 12		4 37 0 46 4 37 0 46	11 34 1 46	4 26 14 10 4 26 14 9	20 57 20 46 20 57 20 45 20 57 20 44	1 6 1 3 1 0	5 27 1 41 5 26 1 41 5 26 1 40
T 19 F 20	23 26 23 28 23 29 23 29	24 33 1 27 26 1 2 34	20 18 1 1 20 38 1	5 21 26 0 38 24 1 7 21 39 0 35 24 1 9 21 51 0 33 24 1 1 22 3 0 31 24 1	0 44 1	10 4 1 11 10 0 1 11	13 50 2 13 13 52 2 13 13 53 2 13 13 55 2 13	4 37 0 46 4 36 0 47	11 35 1 46 11 35 1 46 11 36 1 46 11 36 1 46	4 26 14 9 4 26 14 9	20 57 20 44 20 57 20 43 20 57 20 42 20 56 20 42	0 56 0 53 0 50 0 47	5 26 1 40 5 26 1 40 5 26 1 40 5 25 1 40
S 22 M23	23 29 23 29	24 26 4 21 21 24 4 55	21 18 0 5 21 37 0 4	3 22 14 0 28 24 1 5 22 24 0 26 24 1	0 45 0 46	9 53 1 11 9 49 1 11	13 56 2 13 13 58 2 13	4 36 0 47 4 36 0 47	11 36 1 46 11 37 1 46	4 26 14 8 4 26 14 8	20 55 20 41 20 55 20 41	0 44 0 41	5 25 1 40 5 25 1 39
T 26	23 27 23 25	11 51 5 9 5 58 4 49	22 13 0 2 22 29 0 2	7 22 34 0 23 24 1 9 22 42 0 21 24 1 2 22 51 0 18 24 1	0 47 4 0 47	9 41 1 10 9 38 1 10	14 1 2 13 14 2 2 14	4 36 0 47 4 36 0 47	11 38 1 46 11 38 1 46	4 26 14 8 4 26 14 8	20 54 20 40 20 53 20 39 20 53 20 39	0 38 0 35 0 32	5 25 1 39 5 25 1 39 5 25 1 39
F 27 S 28 S 29	23 23 23 20 23 17	6 25 3 17	23 0 0	4 22 58 0 16 24 1 6 23 5 0 13 24 1 1 23 11 0 11 24 1	0 48	9 30 1 10	14 5 2 14	4 36 0 47	11 39 1 46 11 39 1 46 11 39 1 46	4 26 14 7	20 53 20 38 20 53 20 37 20 53 20 37	0 28 0 25 0 22	5 25 1 39 5 25 1 39 5 25 1 38
M30	23 13 23 s 9	17 29 0 59	23 26 0	8 23 16 0 8 24 1 6 23 s21 0n 6 24 s	0 49	9 22 1 10		4 37 0 47	11 40 1 46 11 s40 1 n46	4 26 14 7	20 54 20 36 20n54 20n36	0 19 0s16	5 25 1 38

Julian Day Number = 2316739.5, Delta T = 57.23 sec Ecliptic obliquity =  $23^{\circ}29'18$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}35'20$ , Lahiri =  $18^{\circ}42'20$ Greg. Calendar