

# Astrodienst Ephemeris Tables for the year 1616

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 1616 GC 00:00 UT

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F 1	6 39 54	10궁 6'12	7 <b>Ⅱ</b> 22	22°R10	12°R21	13る23	14 <b>×</b> 755	19 <b>Y</b> 50	7°R41	3 <u>ი</u> 4	6°R48	21°R16	22 <b>)</b> 2	28935	9≈14	F 1
S 2	6 43 50	11° 7'22	19°32	22°D 2	12°D21	14° 9	15° 8	19°52	7938	3° 4	6 <b>8</b> 47	21 <b>米</b> 3	21°58	28°41	9°19	S 2
S 3	6 47 47	12° 8'31	1935	22 <b>×</b> 4	12 <b>×</b> 23	14°56	15°21	19°53	7°36	3° 4	6°47	20°50	21°55	28°48	9°23	S 3
M 4	6 51 44	13° 9'40	13°33	22°14	12°28	15°42	15°33	19°54	7°33	3° 4	6°46	20°36	21°52	28°55	9°27	M 4
T 5	6 55 40	14°10'48	25°26	22°32	12°35	16°29	15°46	19°55	7°31	3°R 4	6°46	20°24	21°49	29° 2	9°31	T 5
W 6	6 59 37	15°11'56	$7\Omega$ 17	22°57	12°44	17°15	15°59	19°57	7°28	3° 4	6°46	20°14	21°46	29° 8	9°36	W 6
T 7	7 3 33	16°13'04	19° 6	23°28	12°55	18° 2	16°12	19°59	7°26	3° 4	6°45	20° 6	21°43	29°15	9°40	T 7
F 8	7 7 30	17°14'12	0 <b>₯</b> 57	24° 5	13° 9	18°49	16°24	20° 0	7°23	3° 4	6°45	20° 2	21°39	29°22	9°44	F 8
S 9	7 11 26	18°15'19	12°52	24°47	13°24	19°35	16°37	20° 2	7°20	3° 4	6°45	20° 0	21°36	29°28	9°49	S 9
S 10	7 15 23	19°16'26	24°56	25°34	13°42	20°22	16°49	20° 4	7°18	3° 3	6°45	19°D59	21°33	29°35	9°53	S 10
M11	7 19 19	20°17'33	7 <b>≏</b> 13	26°25	14° 2	21° 9	17° 2	20° 6	7°15	3° 3	6°44	20° 0	21°30	29°42	9°58	M11
T 12	7 23 16	21°18'40	19°48	27°19	14°24	21°56	17°14	20° 8	7°13	3° 3	6°44	20°R 1	21°27	29°48	10° 2	T 12
W13	7 27 13	22°19'46	2 <b>M</b> .46	28°18	14°47	22°42	17°26	20°11	7°10	3° 3	6°44	20° 0	21°23	29°55	10° 6	W13
T 14	7 31 9	23°20'53	16°12	2 <u>9</u> °19	15°13	23°29	17°39	20°13	7° 8	3° 2	6°44	19°58	21°20	0 <b>Ω</b> 2	10°11	T 14
F 15	7 35 6	24°21'59	0 <b>.₹</b> 7	0 <b>궁</b> 23	15°40	24°16	17°51	20°16	7° 5	3° 2	6°44	19°53	21°17	0° 9	10°15	F 15
S 16	7 39 2	25°23'04	14°31	1°29	16° 9	25° 3	18° 3	20°18	7° 3	3° 2	6°43	19°46	21°14	0°15	10°20	S 16
S 17	7 42 59	26°24'09	29°22	2°38	16°39	25°50	18°15	20°21	7° 1	3° 1	6°43	19°38	21°11	0°22	10°24	S 17
M18	7 46 55	27°25'14	14 <b>る</b> 32	3°49	17°11	26°37	18°27	20°24	6°58	3° 1	6°43	19°29	21° 8	0°29	10°29	M18
T 19	7 50 52	28°26'18	29°51	5° 1	17°44	27°24	18°39	20°27	6°56	3° 0	6°43	19°21	21° 4	0°35	10°33	T 19
W20	7 54 49	29°27'20	15≈ 8	6°16	18°19	28°11	18°51	20°30	6°53	3° 0	6°43	19°15	21° 1	0°42	10°38	W20
T 21	7 58 45	0≈28'22	0 <b></b> ₩12	7°32	18°55	28°58	19° 3	20°33	6°51	2°59	6°D43	19°12	20°58	0°49	10°43	T 21
F 22	8 2 42	1°29'23	14°54	8°49	19°33	29°45	19°15	20°36	6°49	2°59	6°43	19°D10	20°55	0°55	10°47	F 22
S 23	8 638	2°30'23	29°11	10° 8	20°11	0≈32	19°26	20°39	6°47	2°58	6°43	19°10	20°52	1° 2	10°52	S 23
S 24	8 10 35	3°31'21	13 <b>°</b> 1	11°28	20°51	1°19	19°38	20°43	6°44	2°58	6°43	19°12	20°49	1° 9	10°56	S 24
M25	8 14 31	4°32'18	26°24	12°49	21°32	2° 6	19°50	20°46	6°42	2°57	6°43	19°13	20°45	1°15	11° 1	M25
T 26	8 18 28	5°33'14	9823	14°11	22°14	2°53	20° 1	20°50	6°40	2°56	6°44	19°R13	20°42	1°22	11° 6	T 26
W27	8 22 24	6°34'08	22° 2	15°35	22°58	3°41	20°12	20°53	6°38	2°55	6°44	19°12	20°39	1°29	11°10	W27
T 28	8 26 21	7°35'02	4 <b>Ⅱ</b> 24	16°59	23°42	4°28	20°24	20°57	6°36	2°55	6°44	19° 8	20°36	1°36	11°15	T 28
F 29	8 30 18	8°35'54	16°35	18°24	24°27	5°15	20°35	21° 1	6°33	2°54	6°44	19° 3	20°33	1°42	11°19	F 29
S 30	8 34 14	9°36'44	28°36	19°51	25°13	6° 2	20°46	21° 5	6°31	2°53	6°44	18°56	20°29	1°49	11°24	S 30
S 31	8 38 11	10≈37'33	10532	21 <b>궁</b> 18	26 <b>₹</b> 0	6≈49	20 <b>х</b> 57	21 <b>Y</b> 9	69529	2 <b>≏</b> 52	6 <b>8</b> 44	18 <b>) (</b> 49	20 <b>∺</b> 26	1 <b>Q</b> 56	11 <b>≈</b> 29	S 31

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S 3 M 4 T 5 W 6 T 7	22 50 22 44		4 38 4 8 3 27	20 19 20 27 20 35 20 45 20 55	2 50 2 42 2 34	17 17 17 15	5 6 5 10	23 36 23 31 23 25 23 20 23 14	0 57 0 58 0 58	22 11 22 13 22 14 22 15 22 17	0 30 0 30 0 30 0 30 0 30	5 26 5 27 5 28 5 28 5 29	2 32 2 32 2 32		0 21 0 21 0 21	0 7 0 7 0 7	1 28 1 28 1 28 1 28 1 28	1 22 16 2 1 22 16 2 1 22 16 1 1 22 16 1 1 22 16 1	3 39 3 44 3 49 3 53 3 56	3 14 3 15 3 16	24 28 24 27 24 25 24 23 24 21	11 47 11 46 11 45	6 22 6 22 6 22 6 21 6 21
F 8 S 9	22 23 22 15	-	1 40 0 38	21 5 21 16		17 13 17 13	5 15 5 17			22 18 22 20	0 30 0 30	5 30 5 31		23 38 23 39			1 28 1 28	1 21 16 0 1 21 16 0			24 19 24 17		6 21 6 21
	21 28	4s16 10 7 15 43 20 47 24 54	1 31 2 33 3 28 4 15 4 48	21 27 21 38 21 49 22 0 22 10 22 20 22 29	1 48 1 39 1 29 1 19	17 14 17 16 17 18 17 21 17 24	5 20 5 21 5 21 5 21	22 34 22 26 22 18	0 59 1 0 1 0 1 0	22 21 22 22 22 23 22 24 22 26 22 27 22 28	0 30 0 30 0 30 0 29 0 29 0 29 0 29	5 32 5 33 5 34 5 35 5 37 5 38 5 39	2 30 2 30 2 30 2 30 2 30 2 29	23 39 23 39 23 39 23 39 23 39 23 39 23 40	0 21 0 21 0 21 0 21 0 21 0 21	0 8 0 8 0 8 0 8 0 9	1 28 1 28 1 28 1 28 1 28 1 28 1 28	1 21 16 0 1 21 15 59 1 20 15 59 1 20 15 59 1 20 15 58 1 20 15 58 1 19 15 58	3 58 3 58 3 58 3 59 4 1	3 23	24 7 24 5	11 41	6 21 6 21 6 20 6 20 6 20 6 20 6 20
S 17 M18 T 19 W20 T 21 F 22 S 23	20 55 20 43 20 31 20 19 20 6 19 52 19 39	24 2 19 5 13 0 6 19	4 38 3 53	23 5	0 33 0 24 0 15 0 7	17 35 17 40 17 44 17 49	5 19 5 17 5 16 5 14 5 12	21 44 21 35	1 1 1 1 1 2 1 2 1 2	22 29 22 30 22 31 22 32 22 33 22 34 22 35	0 29 0 29 0 29 0 29 0 29 0 29 0 29	5 40 5 42 5 43 5 44 5 46 5 47 5 49	2 28 2 28 2 28 2 28 2 27	23 40	0 21 0 21 0 21 0 21 0 21 0 21	0 9 0 9 0 10 0 10 0 10	1 29 1 29 1 29 1 29 1 29 1 29 1 29	1 19 15 57 1 19 15 57 1 18 15 57 1 18 15 56 1 18 15 56 1 17 15 56 1 17 15 55	4 10 4 13 4 16 4 17 4 18	3 33 3 34 3 35 3 37	24 1 23 59 23 57 23 55 23 53 23 51 23 49	11 32 11 31 11 30 11 29	6 20 6 20 6 19 6 19 6 19 6 19 6 19
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	18 40 18 25 18 9 17 53	13 7 18 24 22 45 25 58 27 56	3 7 3 58 4 36 4 59 5 9 5 5	23 10 23 8	0 10 0 18 0 26 0 33 0 41 0 48 0 54 1s 1	18 10 18 15 18 20 18 26 18 31 18 36	5 4 5 1 4 58 4 55 4 52 4 48	20 55 20 45 20 34 20 24 20 13 20 1 19 50 19 s38	1 3 1 3 1 3 1 3 1 3	22 36 22 37 22 38 22 39 22 40 22 41 22 41 22 s42	0 29 0 29 0 29 0 29 0 29 0 29 0 29 0 29	5 50 5 52 5 53 5 55 5 57 5 58 6 0 6n 2	2 27 2 26 2 26 2 26 2 25 2 25	23 41 23 41	0 21 0 21 0 21 0 21 0 21 0 21 0 21 0 21	0 11 0 11 0 12 0 12 0 12 0 12 0 13	1 29 1 29 1 29 1 29 1 29 1 29 1 29 1 29	1 17 15 55 1 16 15 55 1 16 15 54 1 16 15 54 1 15 15 54 1 15 15 53 1 14 15 53 1 14 15 53	4 17 4 17 4 17 4 19 4 21 4 23	3 40 3 42 3 43 3 44 3 45 3 47	23 47 23 44 23 42 23 40 23 38 23 36 23 34 23n32	11 26 11 24 11 23 11 22 11 21 11 20	6 19 6 19 6 19 6 19 6 19 6 19 6 19

Julian Day Number = 2311291.5, Delta T = 70.39 sec Ecliptic obliquity = 23°29'30, Nutation =  $0^{\circ}00'03$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}22'51$ , Lahiri =  $18^{\circ}29'52$ Greg. Calendar

### FEBRUARY 1616 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	¥	Р	n	Ω	Ç	, k	Day
M 1	8 42 7	11≈38'21	229524	22 <b>궁</b> 46	26 <b>∡</b> ¹48	7≈36	21 <b>×7</b> 8	21 <b>Y</b> 13	6°R27	2°R51	6 <b>8</b> 45	18°R41	20 <b>米</b> 23	2 <b>Ω</b> 2	11≈33	M 1
T 2	8 46 4	12°39'08	4 <b>Ω</b> 14	24°15	27°37	8°24	21°19	21°17	6925	2 <b>≏</b> 50	6°45	18 <b>∺</b> 35	20°20	2° 9	11°38	T 2
W 3	8 50 0	13°39'53	16° 5	25°45	28°27	9°11	21°30	21°22	6°24	2°50	6°45	18°29	20°17	2°16	11°42	W 3
T 4	8 53 57	14°40'36	27°58	27°15	29°17	9°58	21°40	21°26	6°22	2°49	6°45	18°25	20°14	2°22	11°47	T 4
F 5	8 57 53	15°41'19	9 <b>₯</b> 54	28°47	0중 9	10°45	21°51	21°31	6°20	2°48	6°46	18°23	20°10	2°29	11°52	F 5
S 6	9 1 50	16°42'00	21°57	0≈19	1° 0	11°33	22° 1	21°35	6°18	2°47	6°46	18°D23	20° 7	2°36	11°56	S 6
S 7	9 5 47	17°42'40	4 <b>º</b> 8	1°53	1°53	12°20	22°12	21°40	6°16	2°46	6°46	18°24	20° 4	2°42	12° 1	S 7
M 8	9 9 43	18°43'19	16°31	3°27	2°46	13° 7	22°22	21°45	6°14	2°45	6°47	18°26	20° 1	2°49	12° 5	M 8
T 9	9 13 40	19°43'56	29°10	5° 2	3°40	13°54	22°32	21°49	6°13	2°43	6°47	18°27	19°58	2°56	12°10	T 9
W10	9 17 36	20°44'33	12 <b>m</b> 7	6°38	4°35	14°42	22°42	21°54	6°11	2°42	6°48	18°29	19°55	3° 2	12°14	W10
T 11	9 21 33	21°45'08	25°27	8°14	5°30	15°29	22°52	21°59	6°10	2°41	6°48	18°R29	19°51	3° 9	12°19	T 11
F 12	9 25 29	22°45'42	9 <b>√</b> 11	9°52	6°25	16°16	23° 2	22° 4	6° 8	2°40	6°49	18°28	19°48	3°16	12°24	F 12
S 13	9 29 26	23°46'15	23°21	11°30	7°22	17° 4	23°12	22°10	6° 6	2°39	6°49	18°26	19°45	3°23	12°28	S 13
S 14	9 33 22	24°46'47	7 <b>궁</b> 54	13°10	8°18	17°51	23°21	22°15	6° 5	2°38	6°50	18°23	19°42	3°29	12°33	S 14
M15	9 37 19	25°47'17	22°48	14°50	9°16	18°38	23°31	22°20	6° 4	2°36	6°50	18°20	19°39	3°36	12°37	M15
T 16	9 41 16	26°47'46	7≈54	16°31	10°13	19°26	23°40	22°25	6° 2	2°35	6°51	18°17	19°35	3°43	12°42	T 16
W17	9 45 12	27°48'13	23° 3	18°13	11°12	20°13	23°50	22°31	6° 1	2°34	6°51	18°14	19°32	3°49	12°46	W17
T 18	9 49 9	28°48'38	8 <b>∺</b> 7	19°56	12°10	21° 0	23°59	22°36	5°59	2°33	6°52	18°13	19°29	3°56	12°51	T 18
F 19	9 53 5	29°49'02	22°55	21°40	13° 9	21°48	24° 8	22°42	5°58	2°31	6°52	18°D13	19°26	4° 3	12°55	F 19
S 20	9 57 2	0 <b>)</b> 49′24	7 <b>Y</b> 22	23°26	14° 9	22°35	24°17	22°48	5°57	2°30	6°53	18°14	19°23	4° 9	13° 0	S 20
S 21	10 0 58	1°49'44	21°22	25°12	15° 9	23°22	24°26	22°53	5°56	2°29	6°54	18°15	19°20	4°16	13° 4	S 21
M22	10 4 55	2°50'02	4 <b>8</b> 56	26°59	16° 9	24°10	24°34	22°59	5°55	2°27	6°54	18°16	19°16	4°23	13° 8	M22
T 23	10 8 51	3°50'18	18° 4	28°47	17° 9	24°57	24°43	23° 5	5°54	2°26	6°55	18°17	19°13	4°29	13°13	T 23
W24	10 12 48	4°50'32	0∏48	0 <b>∺</b> 36	18°10	25°44	24°51	23°11	5°53	2°24	6°56	18°R18	19°10	4°36	13°17	W24
T 25	10 16 45	5°50'43	13°13	2°26	19°12	26°32	25° 0	23°17	5°52	2°23	6°57	18°18	19° 7	4°43	13°21	T 25
F 26	10 20 41	6°50'53	25°23	4°17	20°13	27°19	25° 8	23°23	5°51	2°22	6°57	18°17	19° 4	4°49	13°26	F 26
S 27	10 24 38	7°51'01	79921	6° 9	21°15	28° 6	25°16	23°29	5°50	2°20	6°58	18°16	19° 1	4°56	13°30	S 27
S 28	10 28 34	8°51'07	19°14	8° 2	22°18	28°54	25°24	23°35	5°49	2°19	6°59	18°15	18°57	5° 3	13°34	S 28
M29	10 32 31	9 <b>∺</b> 51'10	1 <b>Q</b> 3	9 <b>∺</b> 56	23る20	29≈41	25 <b>×</b> 32	23 <b>Y</b> 41	5 <b>9</b> 49	2 <b>≏</b> 17	7 <b>と</b> 0	18 <b>)</b> 13	18 <b>)</b> 54	5 <b>Ω</b> 9	13≈39	M29

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M 1	17 s20	25n52 4n	18 22 s40	1s 7 18s4	7 4n41	19 s26	1 s 4	22 s43	0n29	6n 4	2 s25	23n41	0n21	0n14	1n29	1 s 1 4 1 5 s 5 2	4 s29	3 s49	23n30	11s17	6n18
T 2	17 3	22 45 3	37 22 31	1 13 18 5	2 4 37	19 14	1 4	22 44	0 29	6 5	2 24	23 41	0 21	0 14	1 29	1 13 15 52	4 32	3 50	23 28	11 16	6 18
W 3	16 46	18 42 2	47 22 20	1 19 18 5	6 4 33	19 2	1 4	22 44	0 29	6 7	2 24	23 42	0 21	0 14	1 29	1 13 15 51	4 34	3 52	23 26	11 15	6 18
T 4	16 28	13 55 1	49 22 8	1 24 19	1 4 28	18 49	1 4	22 45	0 29	6 9	2 24	23 42	0 21	0 15	1 29	1 12 15 51	4 35	3 53	23 23	11 14	6 18
F 5	16 10	8 35 0	46 21 55	1 30 19	5 4 24	18 36	1 4	22 46	0 29	6 11	2 24	23 42	0 21	0 15	1 29	1 12 15 51	4 36	3 54	23 21	11 12	6 18
S 6	15 52	2 54 0s	20 21 40	1 34 19	9 4 20	18 23	1 4	22 46	0 29	6 13	2 23	23 42	0 21	0 16	1 30	1 12 15 50	4 36	3 55	23 19	11 11	6 18
S 7	15 33	2 s 5 7 1	25 21 24	1 39 19 1	3 4 15	18 10	1 5	22 47	0 29	6 15	2 23	23 42	0 21	0 16	1 30	1 11 15 50	4 36	3 57	23 17	11 10	6 18
M 8	15 15	8 47 2	28 21 6	1 43 19 1	7 4 11	17 57	1 5	22 48	0 29	6 17	2 23	23 42	0 21	0 17	1 30	1 11 15 50	4 35	3 58	23 15	11 9	6 18
T 9	14 56	14 24 3	25 20 47	1 47 19 2	0 4 6	17 43	1 5	22 48	0 29	6 19	2 23	23 42	0 21	0 17	1 30	1 10 15 49	4 34	3 59	23 13	11 7	6 18
W10	14 37	19 31 4	13 20 27	1 51 19 2	4 4 1	17 30	1 5	22 49	0 28	6 21	2 23	23 42	0 21	0 18	1 30	1 10 15 49	4 34	4 0	23 11	11 6	6 18
T 11	14 17	23 51 4	49 20 5	1 54 19 2	6 3 57	17 16	1 5	22 50	0 28	6 23	2 22	23 42	0 21	0 18	1 30	1 9 15 49	4 34	4 2	23 8	11 5	6 19
F 12	13 58	26 59 5	10 19 42	1 57 19 2	9 3 52	17 2	1 5	22 50	0 28	6 25	2 22	23 42	0 21	0 19	1 30	1 9 15 48	4 34	4 3	23 6	11 4	6 19
S 13	13 38	28 32 5	13 19 17	2 0 19 3	1 3 47	16 47	1 5	22 51	0 28	6 27	2 22	23 42	0 21	0 19	1 30	1 8 15 48	4 35	4 4	23 4	11 2	6 19
S 14	13 17	28 11 4	56 18 51	2 2 19 3	2 3 42	16 33	1 5	22 51	0 28	6 29	2 22	23 42	0 21	0 20	1 30	1 8 15 48	4 36	4 5	23 2	11 1	6 19
M15	12 57	25 49 4	20 18 23	2 4 19 3	4 3 37	16 18	1 5	22 52	0 28	6 31	2 21	23 42	0 21	0 20	1 30	1 7 15 47	4 38	4 7	23 0	11 0	6 19
T 16	12 37	21 37 3	24 17 54	2 5 19 3	5 3 32	16 3	1 5	22 52	0 28	6 34	2 21	23 42	0 21	0 21	1 30	1 7 15 47	4 39	4 8	22 58	10 58	6 19
W17	12 16	15 59 2	14 17 24	2 6 19 3	5 3 27	15 48	1 5	22 53	0 28	6 36	2 21	23 43	0 21	0 21	1 30	1 6 15 47	4 40	4 9	22 55	10 57	6 19
T 18	11 55	9 24 0	56 16 52	2 7 19 3	5 3 21	15 33	1 5	22 53	0 28	6 38	2 21	23 43	0 21	0 22	1 30	1 6 15 46	4 40	4 10	22 53	10 56	6 19
F 19	11 34	2 25 On	26 16 19	2 7 19 3	5 3 16	15 18	1 5	22 53	0 28	6 40	2 21	23 43	0 21	0 22	1 30	1 5 15 46	4 40	4 12	22 51	10 55	6 19
S 20	11 12	4n31 1	44 15 44	2 7 19 3	4 3 11	15 3	1 5	22 54	0 28	6 43	2 20	23 43	0 21	0 23	1 30	1 5 15 46	4 40	4 13	22 49	10 53	6 19
S 21	10 51	11 2 2	53 15 8	2 6 19 3	3 3 6	14 47	1 5	22 54	0 28	6 45	2 20	23 43	0 21	0 23	1 30	1 4 15 45	4 39	4 14	22 46	10 52	6 19
M22	10 29	16 49 3	50 14 30	2 5 19 3	2 3 0	14 31	1 5	22 55	0 28	6 47	2 20	23 43	0 21	0 24	1 30	1 4 15 45	4 39	4 15	22 44	10 51	6 19
T 23	10 7	21 37 4	34 13 51	2 3 19 3	0 2 55	14 15	1 5	22 55	0 28	6 50	2 20	23 43	0 21	0 25	1 30	1 3 15 45	4 38	4 17	22 42	10 49	6 19
W24	9 45	25 17 5	2 13 10	2 1 19 2	7 2 50	13 59	1 5	22 55	0 28	6 52	2 20	23 43	0 21	0 25	1 30	1 3 15 45	4 38	4 18	22 40	10 48	6 20
T 25	9 23	27 39 5	15 12 28	1 58 19 2	4 2 44	13 43	1 5	22 56	0 28	6 54	2 19	23 43	0 21	0 26	1 30	1 2 15 44	4 38	4 19	22 37	10 47	6 20
F 26	9 1	28 39 5	14 11 45	1 55 19 2	1 2 39	13 27	1 5	22 56	0 28	6 57	2 19	23 43	0 21	0 26	1 30	1 2 15 44	4 39	4 20	22 35	10 45	6 20
S 27	8 39	28 16 4	59 11 0	1 52 19 1	7 2 34	13 11	1 5	22 56	0 28	6 59	2 19	23 43	0 21	0 27	1 30	1 1 15 44	4 39	4 22	22 33	10 44	6 20
S 28	8 16	26 35 4	32 10 14	1 47 19 1	2 2 28	12 54	1 5	22 57	0 28	7 2	2 19	23 43	0 21	0 28	1 30	1 1 15 43	4 40	4 23	22 31	10 43	6 20
M29	7 s53	23n45 3n	53 9s27	1 s43 19 s		12 s37		22 s57	0n28	7n 4	2s19	23n43	0n21	0n28	1n30	1s 0 15s43	4 s40	4 s24	22n28	10s41	6n20

Julian Day Number = 2311322.5, Delta T = 70.30 sec Ecliptic obliquity = 23°29'30, Nutation =  $0^{\circ}00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}22'55$ , Lahiri =  $18^{\circ}29'56$ Greg. Calendar

MARCH 1616 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂¹	24	ħ	)∤(	ħ	В	ß	Ω	Ç	ķ	Day
T 1	10 36 27	10 <b>)</b> 51'12	12Ω53	11 <b>)</b> (51	24~~23	0 <b>∺</b> 28	25 <b>×</b> <sup>7</sup> 39	23 <b>Y</b> 48	5°R48	2°R16	7 <b>と</b> 0	18°R12	18 <b>) (</b> 51	5 <b>Ω</b> 16	13≈43	T 1
W 2	10 30 27	11°51'11	24°46	13°47	25°26	1°15	25°47	23°54	5 K48	2 K16 2 <b>Ω</b> 14	7° 1	18 <b>X</b> 12	18 <b>%</b> 31	5°23	13°47	W 2
T 3	10 40 24	12°51'08	6 <b>m</b> 45	15°43	26°30	2° 3	25°54	24° 0	5°47	2°13	7° 2	18°11	18°45	5°30	13°51	T 3
F 4	10 44 20	13°51'04	18°52	17°40	27°33	2°50	26° 2	24° 7	5°46	2°11	7° 3	18°D11	18°41	5°36	13°55	F 4
S 5	10 52 14	14°50'57	1 <u>0</u> 7	19°38	28°37	3°37	26° 9	24°13	5°46	2° 9	7° 4	18°11	18°38	5°43	13°59	S 5
S 6	10 56 10	15°50'49	13°34	21°36	29°41	4°24	26°16	24°20	5°45	2° 8	7° 5	18°11	18°35	5°50	14° 3	S 6
M 7	11 0 7	16°50'38	26°12	23°34	0≈46	5°12	26°22	24°27	5°45	2° 6	7° 6	18°11	18°32	5°56	14° 7	M 7
T 8	11 4 3	17°50'26	9M 5	25°33	1°51	5°59	26°29	24°33	5°44	2° 5	7° 7	18°R11	18°29	6° 3	14°12	T 8
W 9	11 8 0	18°50'13	22°12	27°31	2°55	6°46	26°36	24°40	5°44	2° 3	7° 8	18°11	18°26	6°10	14°15	W 9
T 10	11 11 56	19°49'57	5 <b>₹</b> 36	29°28	4° 1	7°33	26°42	24°47	5°44	2° 2	7° 9	18°11	18°22	6°16	14°19	T 10
F 11	11 15 53	20°49'40	19°18	1 <b>Υ</b> 25	5° 6	8°20	26°48	24°53	5°44	2° 0	7°10	18°D11	18°19	6°23	14°23	F 11
S 12	11 19 49	21°49'21	3 <b>궁</b> 17	3°21	6°11	9° 8	26°54	25° 0	5°44	1°58	7°11	18°11	18°16	6°30	14°27	S 12
S 13	11 23 46	22°49'01	17°33	5°15	7°17	9°55	27° 0	25° 7	5°44	1°57	7°12	18°11	18°13	6°36	14°31	S 13
M14	11 27 43	23°48'39	2≈ 4	7° 7	8°23	10°42	27° 6	25°14	5°D44	1°55	7°13	18°12	18°10	6°43	14°35	M14
T 15	11 31 39	24°48'15	16°45	8°56	9°29	11°29	27°11	25°21	5°44	1°53	7°14	18°12	18° 7	6°50	14°39	T 15
W16	11 35 36	25°47'49	1 <b>)</b> 32	10°43	10°36	12°16	27°17	25°28	5°44	1°52	7°15	18°13	18° 3	6°56	14°42	Wl6
T 17	11 39 32	26°47'21	16°17	12°27	11°42	13° 3	27°22	25°35	5°44	1°50	7°16	18°R13	18° 0	7° 3	14°46	T 17
F 18	11 43 29	27°46'51	0 <b>Υ</b> 53	14° 7	12°49	13°50	27°27	25°42	5°44	1°49	7°17	18°13	17°57	7°10	14°50	F 18
S 19	11 47 25	28°46'19	15°14	15°43	13°55	14°37	27°32	25°49	5°44	1°47	7°18	18°12	17°54	7°16	14°53	S 19
S 20	11 51 22	29°45'44	29°15	17°15	15° 2	15°24	27°37	25°57	5°45	1°45	7°19	18°11	17°51	7°23	14°57	S 20
M21	11 55 18	0 <b>℃</b> 45'08	12853	18°41	16° 9	16°11	27°42	26° 4	5°45	1°44	7°20	18° 9	17°47	7°30	15° 1	M21
T 22	11 59 15	1°44'30	26° 6	20° 2	17°17	16°58	27°46	26°11	5°45	1°42	7°21	18° 8	17°44	7°36	15° 4	T 22
W23	12 3 11	2°43'49	8 <b>II</b> 56	21°18	18°24	17°45	27°50	26°18	5°46	1°40	7°22	18° 6	17°41	7°43	15° 7	W23
T 24	12 7 8	3°43'06	21°26	22°27	19°31	18°32	27°54	26°26	5°47	1°39	7°24	18° 5	17°38	7°50	15°11	T 24
F 25	12 11 5	4°42'20	3938	23°30	20°39	19°19	27°58	26°33	5°47	1°37	7°25	18°D 5	17°35	7°56	15°14	F 25
S 26	12 15 1	5°41'33	15°38	24°27	21°47	20° 5	28° 2	26°40	5°48	1°35	7°26	18° 5	17°32	8° 3	15°18	S 26
S 27	12 18 58	6°40'42	27°30	25°17	22°55	20°52	28° 5	26°48	5°48	1°34	7°27	18° 6	17°28	8°10	15°21	S 27
M28	12 22 54	7°39'50	9 <b>Ω</b> 20	26° 1	24° 3	21°39	28° 9	26°55	5°49	1°32	7°28	18° 7	17°25	8°16	15°24	M28
T 29	12 26 51	8°38'55	21°11	26°37	25°11	22°26	28°12	27° 2	5°50	1°30	7°29	18° 9	17°22	8°23	15°27	T 29
W30	12 30 47	9°37'58	3 m) 7	27° 7	26°19	23°13	28°15	27°10	5°51	1°29	7°31	18°10	17°19	8°30	15°30	W30
T 31	12 34 44	10 <b>°</b> 36'59	15 <b>m</b> 13	27 <b>Y</b> 30	27≈27	23 <b>米</b> 59	28 <b>×</b> 18	27 <b>Y</b> 17	5952	1 <b>≏</b> 27	7 <b>8</b> 32	18°R11	17 <b>米</b> 16	8 <b>Ω</b> 37	15 <b>≈</b> 34	T 31

Day	$\odot$	D		ğ	i	ç	)	c	7	2	4	ħ	l	)į	ł(	<del>,</del>		Е	2	u	Ω	Ç	Ł	5
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7 s31		3n 4	8 s 3 8	1 s37			12 s21		22 s57		7n 7		23n43		0n29	1n30		15 s43	4 s41		22n26		6n20
W 2	7 8		2 6	7 48	1 32		2 12			22 57	0 28	7 9		23 43	0 21	0 29	1 30		15 42	4 41		22 24		6 20
T 3	6 45		1 3	6 57	1 25			11 47		22 58	0 28	7 12		23 43		0 30	1 30		15 42	4 41		22 22		6 21
F 4 S 5	6 22 5 59		0s 4	6 5 5 12	1 18 1 11			11 30 11 12		22 58 22 58	0 28 0 28	7 14 7 17		23 43 23 43		0 31 0 31	1 30 1 30		15 42 15 42	4 41 4 41		22 19 22 17		6 21
	3 39	1832	1 11	3 12	1 11	16 33	1 30	11 12	1 3	22 38	0 28	/ 1/	2 18	25 45	0 21	0 31	1 30		-	4 41				0 21
S 6	5 36		2 16	4 18	1 2		-	10 55		22 58	0 28	7 19		23 43		0 32	1 31		15 41	4 41		22 15		6 21
M 7	5 12		3 16	3 23	0 54		-	10 38	1 5		0 28	7 22		23 43		0 33	1 31		15 41	4 41		22 12		6 21
T 8	-		4 7	2 27	0 44				1 4		0 28	7 24	2 17			0 33	1 31		15 41	4 41		22 10		6 22
W 9 T 10	4 26		4 45	1 31 0 35	0 35 0 24	-	1 35 1 30	10 3 9 45	1 4		0 28 0 28	7 27 7 29	2 17		0 21 0 21	0 34 0 35	1 31		15 41 15 40	4 41	4 35 4 36		10 30 10 28	6 22 6 22
F 11	3 39	-	5 10 5 17	0 33 0n21		17 51 17 40	1 24	9 45	1 4		0 28	7 32	2 17 2 17		0 21	0 35	1 31		15 40	4 41	4 38		10 28	6 22
S 12			5 7	1 18		17 40	1 19	9 21			0 28	7 35		23 43	0 21	0 36	1 31		15 40	4 41	4 39	-	10 27	6 22
S 13	-		4 37	2 14	0n 9		1 14	8 51	1 4	23 0	0 28	7 37		23 43	0 21	0 37	1 31		15 40	4 41		21 58		6 23
M14	-		3 49	3 9	0 21	17 6	1 9	8 33		23 0	0 28	7 40	2 17		0 21	0 37	1 31		15 39	4 41		21 56		6 23
T 15 W16			2 46	4 4 4 57	0 34		1 4 0 59	8 15 7 57	1 4	23 0 23 0	0 28 0 28	7 43 7 45	2 16	23 43 23 43	0 21 0 21	0 38	1 31		15 39 15 39	4 40 4 40		21 54 21 51	-	6 23 6 23
T 17	1 17		0 11	5 50	0 58		0 54	7 39	1 3		0 28	7 48		23 43		0 39	1 31		15 39	4 40		21 49		6 24
F 18	0 53		1n10	6 40	1 11		0 49	7 20		23 0	0 28	7 51		23 43		0 40	1 31		15 38	4 40		21 47		6 24
S 19	0 29	-	2 24	7 29	1 23		0 44	7 2		23 1	0 28	7 53		23 43	0 21	0 41	1 31		15 38	4 40		21 44		6 24
S 20	0 6	14 29	3 28	8 15	1 35	15 44	0 39	6 44	1 3	23 1	0 28	7 56	2 16	23 43	0 21	0 41	1 31	0 50	15 38	4 41	4 49	21 42	10 15	6 24
M21	0n18		4 19	8 59	1 47	15 29	0 35	6 25		23 1	0 28	7 59	2 16			0 42	1 31	0 49	15 38	4 42		21 39		6 25
T 22	0 42	24 4	4 53	9 41	1 59	15 13	0 30	6 7	1 2	23 1	0 28	8 1	2 16	23 43	0 21	0 43	1 31	0 48	15 38	4 42	4 51	21 37	10 13	6 25
W23	1 5	26 59	5 12	10 20	2 10	14 57	0 25	5 48	1 2	23 1	0 28	8 4	2 15	23 43	0 21	0 43	1 31	0 48	15 37	4 43	4 53	21 35	10 12	6 25
T 24	1 29	28 28	5 16	10 56	2 20	14 40	0 21	5 30	1 2	23 1	0 27	8 7	2 15	23 43	0 21	0 44	1 31	0 47	15 37	4 43	4 54	21 32	10 10	6 25
F 25	1 52	28 31	5 5	11 28	2 30	14 23	0 16	5 11	1 2	23 1	0 27	8 10	2 15	23 43	0 21	0 45	1 31	0 47	15 37	4 43	4 55	21 30	10 9	6 26
S 26	2 16	27 13	4 41	11 58	2 39	14 6	0 11	4 52	1 1	23 1	0 27	8 12	2 15	23 43	0 21	0 45	1 31	0 46	15 37	4 43	4 56	21 27	10 8	6 26
S 27	2 39	24 42	4 5	12 24	2 47	13 48	0 7	4 34	1 1	23 1	0 27	8 15	2 15	23 43	0 21	0 46	1 31	0 46	15 37	4 43	4 58	21 25	10 7	6 26
M28	3 3	21 9	3 18	12 47	2 55	13 30	0 3	4 15	1 1	23 1	0 27	8 18	2 15	23 43	0 21	0 47	1 31	0 45	15 36	4 42	4 59	21 23	10 5	6 26
T 29	3 26	-		13 6	3 1		0s 2	3 56	1 1	23 1	0 27	8 21	2 15		0 21	0 47	1 31		15 36	4 42	5 0			6 27
W30	3 49			13 21	3 6	_	0 6	3 37		23 1	0 27	8 23		23 43	0 21	0 48	1 31	-	15 36	4 41		21 18	-	6 27
T 31	4n13	6n 5	0n16	13n33	3n10	12 s32	0s10	3 s19	1 s 0	23 s 2	0n27	8n26	2s15	23n43	0n21	0n49	1n31	0 s44	15 s36	4 s41	5s 3	21n15	10s 2	6n27

Julian Day Number = 2311351.5, Delta T = 70.23 sec Ecliptic obliquity = 23°29'30, Nutation =  $0^\circ00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^\circ22'59$ , Lahiri =  $18^\circ30'00$ Greg. Calendar

APRIL 1616 GC 00:00 UT

AI IX.	LL TOT	uc													00.0	0 0.
Day	Sid.t	0	D	ğ	Q.	♂	4	ħ	)∤(	卉	В	S.	Ω	Ç	ę,	Day
F 1	12 38 40	11 <b>°</b> 35'57	27 <b>m</b> 30	27 <b>Υ</b> 45	28≈36	24 <b>)</b> (46	28 <b>×</b> 21	27 <b>Y</b> 25	5953	1°R25	7 <b>8</b> 33	18°R11	17 <b>)</b> 12	8 <b>Ω</b> 43	15≈37	F 1
S 2	12 42 37	12°34'54	10☎ 2	27°54	29°44	25°33	28°23	27°32	5°54	1 <b>≏</b> 24	7°34	18 <b>∺</b> 9	17° 9	8°50	15°40	S 2
S 3	12 46 34	13°33'48	22°47	27°R56	0 <b>)</b> €53	26°19	28°25	27°40	5°55	1°22	7°36	18° 7	17° 6	8°57	15°42	S 3
M 4	12 50 30	14°32'41	5 <b>M</b> .48	27°51	2° 1	27° 6	28°27	27°47	5°56	1°21	7°37	18° 3	17° 3	9° 3	15°45	M 4
T 5	12 54 27	15°31'31	19° 3	27°41	3°10	27°52	28°29	27°55	5°57	1°19	7°38	17°59	17° 0	9°10	15°48	T 5
W 6	12 58 23	16°30'20	2 <b>₹</b> 31	27°24	4°19	28°39	28°31	28° 3	5°58	1°17	7°39	17°54	16°57	9°17	15°51	W 6
T 7	13 2 20	17°29'07	16°11	27° 2	5°28	29°25	28°33	28°10	6° 0	1°16	7°41	17°51	16°53	9°23	15°54	T 7
F 8	13 6 16	18°27'52	0중 2	26°35	6°37	o <b>Υ</b> 12	28°34	28°18	6° 1	1°14	7°42	17°48	16°50	9°30	15°56	F 8
S 9	13 10 13	19°26'36	14° 2	26° 3	7°47	0°58	28°35	28°25	6° 2	1°13	7°43	17°D47	16°47	9°37	15°59	S 9
S 10	13 14 9	20°25'18	28° 9	25°28	8°56	1°44	28°36	28°33	6° 4	1°11	7°45	17°47	16°44	9°43	16° 2	S 10
M11	13 18 6	21°23'58	12≈24	24°50	10° 5	2°31	28°37	28°41	6° 5	1°10	7°46	17°48	16°41	9°50	16° 4	M11
T 12	13 22 3	22°22'37	26°42	24° 9	11°15	3°17	28°38	28°48	6° 7	1° 8	7°47	17°49	16°38	9°57	16° 7	T 12
W13	13 25 59	23°21'13	11 <b>米</b> 2	23°27	12°24	4° 3	28°38	28°56	6° 8	1° 7	7°49	17°R51	16°34	10° 3	16° 9	W13
T 14	13 29 56	24°19'48	25°20	22°45	13°34	4°50	28°39	29° 4	6°10	1° 5	7°50	17°50	16°31	10°10	16°11	T 14
F 15	13 33 52	25°18'21	9 <b>Υ</b> 32	22° 3	14°44	5°36	28°R39	29°11	6°11	1° 4	7°51	17°49	16°28	10°17	16°14	F 15
S 16	13 37 49	26°16'53	23°34	21°21	15°53	6°22	28°38	29°19	6°13	1° 2	7°53	17°45	16°25	10°23	16°16	S 16
S 17	13 41 45	27°15'22	7 <b>8</b> 21	20°41	17° 3	7° 8	28°38	29°27	6°15	1° 1	7°54	17°40	16°22	10°30	16°18	S 17
M18	13 45 42	28°13'50	20°51	20° 3	18°13	7°54	28°38	29°34	6°17	0°59	7°55	17°33	16°18	10°37	16°20	M18
T 19	13 49 38	29°12'16	4 <b>I</b> 0	19°29	19°23	8°40	28°37	29°42	6°18	0°58	7°57	17°26	16°15	10°43	16°22	T 19
W20	13 53 35	0810'39	16°50	18°57	20°33	9°26	28°36	29°50	6°20	0°56	7°58	17°19	16°12	10°50	16°24	W20
T 21	13 57 32	1° 9'01	29°20	18°30	21°43	10°12	28°35	29°57	6°22	0°55	7°59	17°14	16° 9	10°57	16°26	T 21
F 22	14 1 28	2° 7'21	119533	18° 6	22°53	10°58	28°34	0 <b>ප</b> 5	6°24	0°54	8° 1	17°10	16° 6	11° 3	16°28	F 22
S 23	14 5 25	3° 5'38	23°34	17°47	24° 3	11°44	28°32	0°13	6°26	0°52	8° 2	17° 7	16° 3	11°10	16°30	S 23
S 24	14 9 21	4° 3'54	5 <b>Ω</b> 27	17°32	25°13	12°30	28°31	0°21	6°28	0°51	8° 3	17°D 7	15°59	11°17	16°32	S 24
M25	14 13 18	5° 2'07	17°17	17°23	26°24	13°15	28°29	0°28	6°30	0°50	8° 5	17° 8	15°56	11°23	16°34	M25
T 26	14 17 14	6° 0'18	29° 9	17°18	27°34	14° 1	28°27	0°36	6°33	0°48	8° 6	17° 9	15°53	11°30	16°35	T 26
W27	14 21 11	6°58'28	11 <b>m</b> ) 8	17°D18	28°44	14°47	28°25	0°44	6°35	0°47	8° 7	17°R10	15°50	11°37	16°37	W27
T 28	14 25 7	7°56'35	23°18	17°22	29°55	15°32	28°22	0°51	6°37	0°46	8° 9	17°10	15°47	11°43	16°38	T 28
F 29	14 29 4	8°54'40	5 <b>≏</b> 44	17°32	1 <b>Υ</b> 5	16°18	28°20	0°59	6°39	0°45	8°10	17° 8	15°44	11°50	16°40	F 29
S 30	14 33 1	9 <b>8</b> 52'44	18 <b>≏</b> 29	17 <b>Υ</b> 46	2 <b>Υ</b> 16	17 <b>Y</b> 4	28 <b>×</b> 17	18 7	69542	0 <b>ჲ</b> 43	8812	17 <b>)</b> 4	15 <b>)</b> 40	11 <b>Q</b> 57	16≈41	S 30

Day	0	D	ğ	·	ð	4	ħ	)Å(	¥	Р	r	ນ Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
F 1	4n36	0n13 0s51	13n41 3n1	2 12s13 0s14	3s 0 1s 0	23 s 2 0n27	8n29 2s15	23n43 0n21	0n49 1n31	0s43 15s36	4 s41	5s 4 21n13	10s 1 6n28
S 2	4 59	5 s47 1 57	13 45 3 1	3 11 52 0 18	2 41 1 0	23 2 0 27	8 32 2 15	23 42 0 21	0 50 1 31	0 43 15 36	4 42	5 5 21 10	10 0 6 28
S 3	5 22	11 39 2 59	13 46 3 1	3 11 32 0 22	2 22 0 59	23 2 0 27	8 34 2 14	23 42 0 21	0 51 1 31	0 42 15 35	4 43	5 6 21 8	9 58 6 28
M 4	5 45		13 43 3 1		2 4 0 59		8 37 2 14	-	0 51 1 31	0 42 15 35	4 44	5 8 21 5	
T 5	6 7			8 10 50 0 30	1 45 0 59		8 40 2 14		0 52 1 31	0 41 15 35	4 46	5 9 21 3	9 56 6 29
W 6	6 30	25 38 5 2	13 25 3	3 10 28 0 33	1 26 0 58	23 2 0 27	8 43 2 14	23 42 0 21	0 52 1 31	0 40 15 35	4 47	5 10 21 0	
T 7	6 53	27 57 5 13	13 11 2 5	7 10 6 0 37	1 7 0 58	23 2 0 27	8 45 2 14	23 42 0 21	0 53 1 31	0 40 15 35	4 49	5 11 20 58	9 54 6 30
F 8	7 15	28 35 5 6	12 54 2 4	9 9 44 0 41	0 48 0 58	23 2 0 27	8 48 2 14	23 42 0 21	0 54 1 31	0 39 15 35	4 50	5 12 20 55	9 53 6 30
S 9	7 37	27 24 4 41	12 34 2 4	0 9 21 0 44	0 29 0 57	23 2 0 27	8 51 2 14	23 42 0 21	0 54 1 31	0 39 15 35	4 50	5 14 20 53	9 52 6 30
S 10	8 0	24 28 3 59	12 11 2 3	0 8 58 0 47	0 11 0 57	23 2 0 27	8 54 2 14	23 42 0 21	0 55 1 31	0 38 15 34	4 50	5 15 20 51	9 51 6 31
M11	8 22	20 1 3 2	11 46 2 1	8 8 35 0 51	0n 8 0 57	23 2 0 27	8 56 2 14	23 42 0 21	0 55 1 31	0 38 15 34	4 50	5 16 20 48	9 50 6 31
T 12	8 44	14 25 1 53	11 19 2	5 8 12 0 54	0 27 0 56	23 2 0 27	8 59 2 14	23 42 0 21	0 56 1 31	0 37 15 34	4 49	5 17 20 46	9 49 6 31
W13	9 6	8 1 0 37	10 50 1 5	0 7 48 0 57	0 46 0 56	23 2 0 27	9 2 2 14	23 42 0 21	0 57 1 31	0 37 15 34	4 49	5 19 20 43	9 47 6 32
T 14	9 27	1 14 0n41	10 20 1 3	5 7 24 1 0	1 4 0 56	23 2 0 27	9 5 2 14	23 42 0 21	0 57 1 31	0 36 15 34	4 49	5 20 20 40	9 46 6 32
F 15	9 49	5n33 1 55	9 50 1 2	0 7 0 1 3	1 23 0 55	23 2 0 27	9 7 2 14	23 42 0 21	0 58 1 31	0 36 15 34	4 50	5 21 20 38	9 45 6 33
S 16	10 10	11 59 3 2	9 19 1	3 6 36 1 6	1 42 0 55	23 2 0 27	9 10 2 14	23 41 0 21	0 58 1 31	0 35 15 34	4 51	5 22 20 35	9 44 6 33
S 17	10 31	17 43 3 57	8 49 0 4	6 6 11 1 9	2 0 0 54	23 2 0 27	9 13 2 14	23 41 0 21	0 59 1 31	0 35 15 34	4 53	5 24 20 33	9 43 6 33
M18	10 52	22 27 4 37	8 19 0 2	9 5 46 1 12	2 19 0 54	23 2 0 27	9 16 2 14	23 41 0 21	1 0 1 31	0 34 15 34	4 56	5 25 20 30	9 42 6 34
T 19	11 13	25 55 5 1	7 50 0 1	3 5 21 1 14	2 37 0 54	23 2 0 27	9 18 2 14	23 41 0 21	1 0 1 31	0 34 15 34	4 58	5 26 20 28	9 41 6 34
W20	11 34	27 58 5 9	7 22 0s	4 4 56 1 17	2 56 0 53	23 2 0 27	9 21 2 14	23 41 0 21	1 1 1 31	0 34 15 33	5 1	5 27 20 25	9 41 6 34
T 21	11 54	28 32 5 2	6 57 0 2	1 4 30 1 19	3 14 0 53	23 2 0 27	9 24 2 14	23 41 0 21	1 1 1 31	0 33 15 33	5 3	5 29 20 23	9 40 6 35
F 22	12 14	<b>27 40</b> 4 42	6 33 0 3	7 4 5 1 22	3 33 0 53	23 2 0 27	9 26 2 14	23 41 0 21	1 2 1 31	0 33 15 33	5 5	5 30 20 20	9 39 6 35
S 23	12 34	25 31 4 9	6 11 0 5	3 39 1 24	3 51 0 52	23 3 0 26	9 29 2 14	23 41 0 21	1 2 1 31	0 32 15 33	5 6	5 31 20 18	9 38 6 36
S 24	12 54	22 17 3 26	5 52 1	8 3 13 1 26	4 9 0 52	23 3 0 26	9 32 2 14	23 41 0 21	1 3 1 31	0 32 15 33	5 6	5 32 20 15	9 37 6 36
M25	13 14	18 8 2 34	5 35 1 2	2 2 47 1 28	4 27 0 51	23 3 0 26	9 34 2 14	23 41 0 21	1 3 1 31	0 31 15 33	5 6	5 33 20 13	9 36 6 36
T 26	13 33	13 18 1 36	5 20 1 3	6 2 21 1 30	4 46 0 51	23 3 0 26	9 37 2 14	23 40 0 21	1 4 1 30	0 31 15 33	5 5	5 35 20 10	9 35 6 37
W27	13 52	7 55 0 33	5 8 1 4	8 1 55 1 32	5 4 0 50	23 3 0 26	9 40 2 14	23 40 0 21	1 4 1 30	0 30 15 33	5 5	5 36 20 7	9 34 6 37
T 28	14 11	2 10 0s33	4 59 2	0 1 28 1 34	5 22 0 50		9 42 2 14	23 40 0 21	1 5 1 30	0 30 15 33	5 5	5 37 20 5	9 33 6 38
F 29	14 30	3 s47 1 38	4 52 2 1	1 1 2 1 36	5 40 0 49	23 3 0 26	9 45 2 14	23 40 0 21	1 5 1 30	0 29 15 33	5 6	5 38 20 2	9 33 6 38
S 30	14n48	9 s43 2 s40	4n48 2s2	1 0s35 1s37	5n58 0s49	23 s 3 0n26	9n48 2s14	23n40 0n21	1n 6 1n30	0 s 29   15 s 33	5 s 7	5 s40 20n 0	9 s 3 2 6 n 3 8
		<u> </u>	1			<u> </u>						<u>I</u>	

 $\label{eq:Julian Day Number = 2311382.5, Delta T = 70.14 sec} \\ Ecliptic obliquity = 23°29'31, Nutation = 0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°23'04, Lahiri = 18°30'04Greg. Calendar$ 

MAY 1616 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)Å(	卉	Р	ß	Ω	Ç	ę,	Day
S 1	14 36 57	10850'46	1 <b>M</b> .33	18 <b>Y</b> 4	<b>3</b> Υ26	17 <b>Y</b> 49	28°R14	1814	69644	0°R42	8 <b>8</b> 13	16°R58	15 <b>)</b> 37	12 <b>N</b> 3	16≈43	S 1
M 2	14 40 54	11°48'46	14°56	18°27	4°37	18°34	28 <b>×</b> 11	1°22	6°46	0 <b>ჲ</b> 41	8°14	16 <b>米</b> 50	15°34	12°10	16°44	M 2
T 3	14 44 50	12°46'44	28°36	18°55	5°48	19°20	28° 8	1°29	6°49	0°40	8°16	16°41	15°31	12°17	16°45	T 3
W 4	14 48 47	13°44'42	12 <b>×</b> 31	19°26	6°58	20° 5	28° 4	1°37	6°51	0°39	8°17	16°32	15°28	12°23	16°46	W 4
T 5	14 52 43	14°42'37	26°36	20° 2	8° 9	20°50	28° 1	1°45	6°54	0°38	8°18	16°23	15°24	12°30	16°47	T 5
F 6	14 56 40	15°40'32	10 <b>궁</b> 46	20°41	9°20	21°36	27°57	1°52	6°56	0°37	8°20	16°17	15°21	12°37	16°48	F 6
S 7	15 0 36	16°38'25	24°59	21°24	10°31	22°21	27°53	2° 0	6°59	0°36	8°21	16°13	15°18	12°43	16°49	S 7
S 8	15 433	17°36'17	9≈11	22°11	11°42	23° 6	27°49	2° 7	7° 1	0°35	8°22	16°11	15°15	12°50	16°50	S 8
M 9	15 8 30	18°34'07	23°20	23° 1	12°53	23°51	27°45	2°15	7° 4	0°34	8°24	16°D11	15°12	12°57	16°51	M 9
T 10	15 12 26	19°31'56	7 <b>)</b> €24	23°55	14° 4	24°36	27°40	2°22	7° 7	0°33	8°25	16°11	15° 9	13° 3	16°52	T 10
W11	15 16 23	20°29'45	21°24	24°52	15°15	25°21	27°36	2°30	7°10	0°32	8°26	16°R11	15° 5	13°10	16°52	W11
T 12	15 20 19	21°27'32	5 <b>Υ</b> 17	25°52	16°26	26° 6	27°31	2°37	7°12	0°31	8°28	16°10	15° 2	13°17	16°53	T 12
F 13	15 24 16	22°25'17	19° 3	26°55	17°37	26°51	27°26	2°45	7°15	0°30	8°29	16° 6	14°59	13°23	16°54	F 13
S 14	15 28 12	23°23'02	2840	28° 1	18°48	27°36	27°21	2°52	7°18	0°29	8°30	16° 0	14°56	13°30	16°54	S 14
S 15	15 32 9	24°20'45	16° 6	29°10	19°59	28°21	27°16	2°59	7°21	0°28	8°32	15°51	14°53	13°37	16°55	S 15
M16	15 36 5	25°18'28	29°18	0822	21°11	29° 6	27°11	3° 7	7°24	0°27	8°33	15°40	14°50	13°43	16°55	M16
T 17	15 40 2	26°16'09	12∏14	1°36	22°22	29°50	27° 5	3°14	7°27	0°27	8°34	15°28	14°46	13°50	16°55	T 17
W18	15 43 59	27°13'48	24°55	2°53	23°33	0 <b>8</b> 35	27° 0	3°21	7°30	0°26	8°36	15°16	14°43	13°57	16°56	W18
T 19	15 47 55	28°11'26	<b>7</b> 9519	4°13	24°44	1°20	26°54	3°28	7°32	0°25	8°37	15° 6	14°40	14° 3	16°56	T 19
F 20	15 51 52	29° 9'03	19°30	5°35	25°56	2° 4	26°48	3°36	7°35	0°24	8°38	14°57	14°37	14°10	16°56	F 20
S 21	15 55 48	0 <b>Ⅱ</b> 6'39	1 <b>Ω</b> 29	7° 0	27° 7	2°49	26°42	3°43	7°39	0°24	8°40	14°52	14°34	14°17	16°R56	S 21
S 22	15 59 45	1° 4'12	13°21	8°28	28°19	3°33	26°36	3°50	7°42	0°23	8°41	14°48	14°30	14°23	16°56	S 22
M23	16 3 41	2° 1'45	25°10	9°58	29°30	4°17	26°30	3°57	7°45	0°23	8°42	14°47	14°27	14°30	16°56	M23
T 24	16 7 38	2°59'16	7 Mg 1	11°30	0 <b>8</b> 42	5° 2	26°23	4° 4	7°48	0°22	8°43	14°D47	14°24	14°37	16°56	T 24
W25	16 11 34	3°56'46	19° 0	13° 5	1°53	5°46	26°17	4°11	7°51	0°21	8°45	14°R47	14°21	14°43	16°55	W25
T 26	16 15 31	4°54'14	1 <b>≏</b> 12	14°42	3° 5	6°30	26°10	4°18	7°54	0°21	8°46	14°46	14°18	14°50	16°55	T 26
F 27	16 19 28	5°51'41	13°42	16°22	4°16	7°14	26° 3	4°25	7°57	0°20	8°47	14°43	14°15	14°57	16°55	F 27
S 28	16 23 24	6°49'07	26°34	18° 5	5°28	7°58	25°57	4°32	8° 0	0°20	8°48	14°38	14°11	15° 3	16°54	S 28
S 29	16 27 21	7°46'32	9 <b>M</b> .50	19°49	6°39	8°42	25°50	4°39	8° 4	0°20	8°50	14°30	14° 8	15°10	16°54	S 29
M30	16 31 17	8°43'56	23°30	21°36	7°51	9°26	25°43	4°46	8° 7	0°19	8°51	14°20	14° 5	15°17	16°53	M30
T 31	16 35 14	9 <b>Ⅱ</b> 41'19	7 <b>,</b> ₹33	23826	9 <b>8</b> 3	10810	25 <b>₹</b> 36	4 <b>8</b> 53	8910	0 <b>ჲ</b> 19	8 <b>8</b> 52	14 <b>米</b> 9	14 <b>米</b> 2	15 <b>Ω</b> 23	16≈53	T 31

Day	0	D	ğ	·	ď	4	ħ	)Å(	卉	Р	'n	v €	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1 M 2 T 3 W 4	15 42	15 s24 3 s35 20 29 4 19 24 36 4 50 27 22 5 4	4 48 2 39 4 51 2 47	0n18 1 40 0 45 1 42	6n15 0s49 6 33 0 48 6 51 0 48 7 8 0 47	23 3 0 26	9 53 2 14 9 56 2 14	23n40 0n21 23 40 0 21 23 40 0 21 23 39 0 21	1n 6 1n30 1 6 1 30 1 7 1 30 1 7 1 30	0s29 15s33 0 28 15 33 0 28 15 33 0 27 15 33		5 s41 19n57 5 42 19 54 5 43 19 52 5 45 19 49	9s31 6n39 9 30 6 39 9 30 6 40 9 29 6 40
T 5 F 6 S 7	16 17 16 34 16 51	27 40 4 38 25 5 3 58	5 15 3 4 5 27 3 8	2 6 1 45 2 33 1 46	7 26 0 47 7 43 0 46 8 1 0 46	23 3 0 26 23 3 0 26	10 1 2 14 10 3 2 14 10 6 2 14	23 39 0 21 23 39 0 21 23 39 0 21	1 8 1 30 1 8 1 30 1 9 1 30	0 27 15 33 0 27 15 33 0 26 15 33	5 27	5 46 19 47 5 47 19 44 5 48 19 41	9 28 6 40 9 27 6 41 9 27 6 41
S 8 M 9 T 10 W11 T 12 F 13 S 14	17 23 17 39 17 55 18 10 18 25	20 57 3 4 15 39 1 59 9 32 0 47 3 0 0n28 3n38 1 40 10 2 2 45 15 53 3 41	5 58 3 14 6 16 3 16 6 35 3 17 6 57 3 17	3 26 1 48 3 53 1 49 4 20 1 49 4 47 1 50 5 14 1 50	8 18 0 45 8 35 0 45 8 52 0 44 9 9 0 44 9 26 0 43 9 43 0 43 9 59 0 42	23 3 0 26 23 3 0 25 23 3 0 25 23 3 0 25 23 3 0 25 23 3 0 25	10 11 2 14 10 13 2 14 10 16 2 14 10 18 2 14 10 21 2 14	23 39 0 21 23 39 0 21 23 39 0 21 23 38 0 21 23 38 0 21 23 38 0 21 23 38 0 21	1 9 1 30 1 9 1 30 1 10 1 30 1 10 1 30 1 10 1 30 1 11 1 30 1 11 1 30	0 26 15 33 0 25 15 33 0 25 15 33 0 25 15 33 0 24 15 33 0 24 15 33 0 24 15 33	5 28 5 28 5 28 5 28 5 30	5 50 19 39 5 51 19 36 5 52 19 33 5 53 19 31 5 54 19 28 5 56 19 25 5 57 19 23	9 26 6 42 9 25 6 42 9 25 6 42 9 24 6 43 9 24 6 43 9 23 6 44 9 23 6 44
S 15 M16 T 17 W18 T 19 F 20 S 21	19 8 19 22 19 35 19 48	28 21 4 58 27 57 4 40 26 11 4 9	8 38 3 12 9 6 3 9 9 36 3 5	6 33 1 51 1 7 0 1 52 1 7 26 1 52 1 7 52 1 52 1 8 18 1 51 1	10     32     0     41       10     48     0     40       11     5     0     40       11     21     0     39       11     37     0     39	23 3 0 25 23 2 0 25	10 28 2 14 10 31 2 14 10 33 2 14 10 36 2 15 10 38 2 15	23 38 0 21 23 38 0 21 23 37 0 21	1 11 1 30 1 12 1 30 1 13 1 30 1 13 1 30	0 23 15 33 0 23 15 34 0 23 15 34 0 22 15 34 0 22 15 34 0 22 15 34 0 21 15 34	5 40 5 45 5 49 5 53 5 56	5 58 19 20 5 59 19 18 6 1 19 15 6 2 19 12 6 3 19 9 6 4 19 7 6 5 19 4	9 22 6 45 9 22 6 45 9 21 6 45 9 21 6 46 9 20 6 46 9 20 6 47 9 19 6 47
T 24 W25 T 26 F 27	20 37 20 48 20 59 21 10 21 20	14 46 1 42 9 35 0 41 4 1 0s22 1s48 1 26 7 40 2 27	13 32 2 23	9 36 1 51 1 10 1 1 50 1 10 26 1 50 1 10 51 1 49 1 11 16 1 49 1	12 24 0 37 12 39 0 37 12 54 0 36 13 10 0 35 13 25 0 35	23 2 0 24 23 2 0 24	10 45 2 15 10 47 2 15 10 49 2 15 10 52 2 15 10 54 2 15	23 37 0 21 23 36 0 21 23 35 0 21	1 13 1 30 1 13 1 30 1 13 1 30 1 14 1 30 1 14 1 30 1 14 1 29 1 14 1 29	0 21 15 34 0 21 15 34 0 21 15 34 0 20 15 34 0 20 15 34 0 20 15 35 0 20 15 35	6 1 6 2	6 7 19 1 6 8 18 59 6 9 18 56 6 10 18 53 6 12 18 51 6 13 18 48 6 14 18 45	9 19 6 47 9 19 6 48 9 18 6 48 9 18 6 49 9 18 6 49 9 17 6 49 9 17 6 50
M30	21 39 21 48 21n57	23 13 4 41	16 0 1 48 16 37 1 38 17n15 1 s 28	12 29 1 46 1	4 9 0 33	23 2 0 24	11 1 2 16	23 35 0 21 23 35 0 21 23n35 0n21	1 14 1 29 1 14 1 29 1n14 1n29	0 19 15 35 0 19 15 35 0s19 15s35	6 11	6 15 18 42 6 17 18 40 6s18 18n37	9 17 6 50 9 17 6 51 9 s16 6n51

Julian Day Number = 2311412.5, Delta T = 70.06 sec Ecliptic obliquity = 23°29'30, Nutation =  $0^{\circ}00'03$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}23'08$ , Lahiri =  $18^{\circ}30'08$ Greg. Calendar

JUNE 1616 GC 00:00 UT

OUIL	- 1010	uc													00.0	0 0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	v	v	Ç	Ŗ	Day
W 1	16 39 10	10 <b>Ⅲ</b> 38'41	21 <b>х</b> 53	25 <b>8</b> 18	10814	10 <b>8</b> 54	25°R29	5 <b>8</b> 0	89514	0°R18	8 <b>8</b> 53	13°R58	13 <b>米</b> 59	15 <b>Ω</b> 30	16°R52	W 1
T 2	16 43 7	11°36'02	6 <b>ප</b> 24	27°12	11°26	11°38	25 <b>×</b> 22	5° 6	8°17	0 <b>ჲ</b> 18	8°54	13 <b>米</b> 47	13°56	15°37	16≈51	T 2
F 3	16 47 4	12°33'22	20°59	29° 9	12°38	12°22	25°14	5°13	8°20	0°18	8°56	13°39	13°52	15°43	16°51	F 3
S 4	16 51 0	13°30'42	5≈33	1 <b>II</b> 8	13°50	13° 5	25° 7	5°20	8°24	0°18	8°57	13°33	13°49	15°50	16°50	S 4
S 5	16 54 57	14°28'01	19°59	3° 9	15° 1	13°49	25° 0	5°26	8°27	0°17	8°58	13°30	13°46	15°57	16°49	S 5
M 6	16 58 53	15°25'20	4 <b>)</b> 14	5°11	16°13	14°33	24°52	5°33	8°30	0°17	8°59	13°29	13°43	16° 3	16°48	M 6
T 7	17 2 50	16°22'39	18°17	7°16	17°25	15°16	24°45	5°39	8°34	0°17	9° 0	13°29	13°40	16°10	16°47	T 7
W 8	17 6 46	17°19'57	2 <b>Υ</b> 7	9°23	18°37	16° 0	24°37	5°46	8°37	0°17	9° 1	13°29	13°36	16°17	16°46	W 8
T 9	17 10 43	18°17'14	15°45	11°30	19°49	16°43	24°30	5°52	8°41	0°17	9° 2	13°27	13°33	16°23	16°45	T 9
F 10	17 14 39	19°14'31	29°11	13°40	21° 1	17°26	24°22	5°58	8°44	0°17	9° 3	13°22	13°30	16°30	16°43	F 10
S 11	17 18 36	20°11'48	12826	15°50	22°13	18°10	24°14	6° 5	8°48	0°D17	9° 4	13°15	13°27	16°37	16°42	S 11
S 12	17 22 33	21° 9'05	25°29	18° 1	23°25	18°53	24° 7	6°11	8°51	0°17	9° 6	13° 5	13°24	16°43	16°41	S 12
M13	17 26 29	22° 6'21	8 <b>Ⅱ</b> 20	20°12	24°37	19°36	23°59	6°17	8°55	0°17	9° 7	12°53	13°21	16°50	16°39	M13
T 14	17 30 26	23° 3'37	20°59	22°24	25°49	20°19	23°51	6°23	8°58	0°17	9° 8	12°41	13°17	16°57	16°38	T 14
W15	17 34 22	24° 0'53	3926	24°36	27° 2	21° 2	23°44	6°29	9° 2	0°17	9° 9	12°28	13°14	17° 3	16°37	W15
T 16	17 38 19	24°58'08	15°41	26°47	28°14	21°45	23°36	6°35	9° 5	0°17	9°10	12°16	13°11	17°10	16°35	T 16
F 17	17 42 15	25°55'22	27°44	28°58	29°26	22°28	23°28	6°41	9° 9	0°18	9°11	12° 7	13° 8	17°17	16°33	F 17
S 18	17 46 12	26°52'36	9 <b>Ω</b> 39	195 8	0Д38	23°11	23°21	6°47	9°12	0°18	9°12	12° 0	13° 5	17°23	16°32	S 18
S 19	17 50 8	27°49'50	21°28	3°16	1°50	23°54	23°13	6°53	9°16	0°18	9°13	11°56	13° 2	17°30	16°30	S 19
M20	17 54 5	28°47'03	3 <b>m</b> 16	5°24	3° 3	24°36	23° 6	6°59	9°20	0°18	9°14	11°55	12°58	17°37	16°28	M20
T 21	17 58 2	29°44'15	15° 6	7°30	4°15	25°19	22°58	7° 4	9°23	0°19	9°15	11°D54	12°55	17°43	16°26	T 21
W22	18 1 58	0941'27	27° 3	9°35	5°27	26° 2	22°50	7°10	9°27	0°19	9°15	11°R55	12°52	17°50	16°24	W22
T 23	18 5 55	1°38'38	9 <b>≏</b> 15	11°38	6°40	26°44	22°43	7°15	9°30	0°19	9°16	11°54	12°49	17°57	16°22	T 23
F 24	18 9 51	2°35'49	21°44	13°39	7°52	27°27	22°35	7°21	9°34	0°20	9°17	11°53	12°46	18° 3	16°20	F 24
S 25	18 13 48	3°33'00	4 <b>M</b> .37	15°38	9° 4	28° 9	22°28	7°26	9°38	0°20	9°18	11°49	12°42	18°10	16°18	S 25
S 26	18 17 44	4°30'10	17°57	17°36	10°17	28°51	22°21	7°32	9°41	0°21	9°19	11°43	12°39	18°17	16°16	S 26
M27	18 21 41	5°27'20	1 <b>√</b> 144	19°31	11°29	29°34	22°13	7°37	9°45	0°21	9°20	11°35	12°36	18°23	16°14	M27
T 28	18 25 37	6°24'30	1 <u>5</u> °58	21°25	12°42	0 <b>Ⅱ</b> 16	22° 6	7°42	9°48	0°22	9°21	11°26	12°33	18°30	16°12	T 28
W29	18 29 34	7°21'40	0 <b>조</b> 34	23°16	13°54	0°58	21°59	7°47	9°52	0°22	9°21	11°16	12°30	18°37	16°10	W29
T 30	18 33 31	8918'50	15 <b>る</b> 25	2595 6	15 <b>II</b> 7	1 <b>Ⅱ</b> 40	21 <b>×</b> 152	7 <b>8</b> 52	9956	0 <b>ჲ</b> 23	9822	11 <b>米</b> 7	12 <b>米</b> 27	$18\Omega 43$	16≈ 8	T 30

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S 4 S 5 M 6 T 7 W 8	22 35 22 42 22 48 22 53	16 46 10 44 4 15 2n20	2 1 0 49 0n25 1 37	21 53	0 2	14 48 15 10 15 31 15 53	1 39 1 38 1 37 1 35	16 13	0 30 0 29 0 29 0 28 0 27	23 1 23 1 23 0 23 0	0 23 0 23 0 23 0 23	11 17 11 19	2 16 2 16 2 16 2 17		0 21 0 21 0 21	1 15 1 29 1 15 1 29 1 15 1 29 1 15 1 29 1 15 1 29	0 18 15 36 0 18 15 36 0 17 15 36 0 17 15 36	6 30 6 30 6 30	6 24 6 25 6 26 6 28	18 18 18 15	9 16 9 16 9 15 9 15	6 53 6 53 6 53 6 54 6 54
T 9 F 10 S 11 S 12	22 58 23 3 23 8 23 12	14 35 19 42	3 36 4 19	<ul><li>22 22</li><li>22 49</li><li>23 14</li><li>23 37</li></ul>	0n 9 0 20 0 30 0 40	16 34	1 32	16 26 16 39 16 52 17 5	0 27 0 26 0 25 0 25	23 0	0 22 0 22	11 21 11 23 11 25 11 27	2 17 2 17	23 33 23 33 23 32 23 32	0 21 0 21	1 15 1 29 1 15 1 29 1 15 1 29 1 15 1 29	0 17 15 37 0 17 15 37		6 29 6 30 6 31 6 32	18 9 18 7	9 15 9 15 9 15 9 15	6 54 6 55 6 55 6 56
M13 T 14 W15 T 16 F 17 S 18	23 19 23 21 23 24 23 26	28 8 28 8 26 44 24 7	4 57 4 41 4 12 3 31	23 57 24 14 24 29 24 42 24 51 24 57	0 49 0 58 1 7 1 14 1 22 1 28	17 53 18 11 18 29 18 47	1 25 1 23 1 21 1 19	17 17 17 29 17 41 17 53 18 5 18 16	0 23 0 23 0 22 0 21	22 59 22 59 22 59 22 59 22 58 22 58		11 31 11 33	2 18 2 18 2 18	23 32 23 32 23 31 23 31 23 31 23 31	0 21 0 21 0 21 0 21 0 21 0 21	1 15 1 29 1 15 1 29 1 15 1 29 1 14 1 29 1 14 1 29 1 14 1 29	0 16 15 37 0 16 15 38 0 16 15 38 0 16 15 38	6 49 6 54 6 58 7 2	6 36 6 37 6 39	17 58	9 16 9 16 9 16 9 16 9 16 9 16	6 56 6 56 6 57 6 57 6 57 6 58
S 19 M20 T 21 W22 T 23 F 24 S 25		11 3 0 5 38 0 0s 3 5 49 1 11 30	1 20 2 20 3 15		1 52	19 37 19 52 20 8	1 13 1 11 1 9 1 7 1 5	18 28 18 39 18 50 19 1 19 11 19 22 19 32	0 19 0 19 0 18 0 17 0 17	22 58 22 58 22 57 22 57 22 57 22 57 22 56	0 21 0 21 0 21 0 21 0 20	11 43 11 45 11 47	2 18 2 18 2 19 2 19 2 19	23 31 23 30 23 30 23 30 23 30 23 29 23 29	0 21 0 21 0 21 0 21	1 14 1 29 1 14 1 28 1 14 1 28 1 14 1 28 1 13 1 28 1 13 1 28 1 13 1 28	0 16 15 39 0 16 15 40	7 7 7 7 7 7 7 7 7 7	6 42 6 43 6 45 6 46 6 47	17 44 17 41 17 39 17 36 17 33 17 30 17 27	9 16 9 17 9 17 9 17 9 17 9 18 9 18	6 58 6 58 6 59 6 59 6 59 7 0 7 0
S 26 M27 T 28 W29 T 30	23 23 23 20 23 17	25 26 27 46 28 16	4 59 5 3 4 47	24 13 23 57 23 39 23 19 22n58	1 52	_	0 58 0 55 0 53		0 15 0 14 0 13	22 56 22 56 22 56 22 55 22 s55	0 20 0 20 0 20	11 51 11 53 11 54 11 56 11n57	2 20 2 20 2 20	23 29 23 28 23 28 23 28 23 28 23n28	0 21 0 21 0 21	1 13 1 28 1 12 1 28 1 12 1 28 1 12 1 28 1 12 1 1028	0 16 15 40 0 15 15 41 0 15 15 41	7 14 7 18 7 21	6 51 6 52 6 53	17 24 17 22 17 19 17 16 17n13	9 18 9 19 9 19 9 19 9 s20	7 0 7 0 7 1 7 1 7n 1

 $\label{eq:Julian Day Number = 2311443.5, Delta T = 69.98 sec} \\ Ecliptic obliquity = 23°29'29, Nutation = 0°00'04, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°23'12, Lahiri = 18°30'12Greg. Calendar$ 

JULY 1616 GC 00:00 UT

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F 1	18 37 27	99516'00	0≈23	26953	16 <b>II</b> 19	2П22	21°R45	7 <b>8</b> 57	9 <b>95</b> 59	0 <b>ჲ</b> 23	9 <b>8</b> 23	11°R 0	12 <b>)</b> 23	18 <b>Q</b> 50	16°R 5	F 1
S 2	18 41 24	10°13'10	15°18	28°39	17°32	3° 4	21 <b>×</b> 38	8° 2	10° 3	0°24	9°24	10 <b>∺</b> 55	12°20	18°56	16≈ 3	S 2
S 3	18 45 20	11°10'20	0 <b>)</b> 4	0 <b>Ω</b> 22	18°45	3°46	21°31	8° 7	10° 7	0°25	9°25	10°53	12°17	19° 3	16° 0	S 3
M 4	18 49 17	12° 7'31	14°34	2° 3	19°57	4°28	21°24	8°12	10°10	0°26	9°25	10°D53	12°14	19°10	15°58	M 4
T 5	18 53 13	13° 4'42	28°46	3°43	21°10	5°10	21°17	8°17	10°14	0°26	9°26	10°53	12°11	19°16	15°56	T 5
W 6	18 57 10	14° 1'54	12 <b>Y</b> 38	5°20	22°23	5°51	21°11	8°21	10°17	0°27	9°27	10°R54	12° 8	19°23	15°53	W 6
T 7	19 1 6	14°59'06	26°11	6°55	23°36	6°33	21° 4	8°26	10°21	0°28	9°27	10°53	12° 4	19°30	15°50	T 7
F 8	19 5 3	15°56'19	9 <b>8</b> 27	8°29	24°48	7°15	20°58	8°30	10°25	0°29	9°28	10°51	12° 1	19°36	15°48	F 8
S 9	19 9 0	16°53'32	22°27	10° 0	26° 1	7°56	20°52	8°35	10°28	0°30	9°29	10°46	11°58	19°43	15°45	S 9
S 10	19 12 56	17°50'46	5 <b>Ⅱ</b> 13	11°29	27°14	8°38	20°46	8°39	10°32	0°31	9°29	10°39	11°55	19°50	15°42	S 10
M11	19 16 53	18°48'01	17°46	12°56	28°27	9°19	20°40	8°43	10°36	0°31	9°30	10°31	11°52	19°56	15°40	M11
T 12	19 20 49	19°45'17	099 9	14°21	29°40	10° 0	20°34	8°47	10°39	0°32	9°30	10°22	11°48	20° 3	15°37	T 12
W13	19 24 46	20°42'32	12°21	15°44	0953	10°42	20°28	8°51	10°43	0°33	9°31	10°13	11°45	20°10	15°34	W13
T 14	19 28 42	21°39'49	24°24	17° 5	2° 6	11°23	20°22	8°55	10°46	0°34	9°31	10° 5	11°42	20°16	15°31	T 14
F 15	19 32 39	22°37'05	6 <b>Ω</b> 20	18°24	3°19	12° 4	20°17	8°59	10°50	0°36	9°32	9°58	11°39	20°23	15°29	F 15
S 16	19 36 36	23°34'23	18°10	19°40	4°32	12°45	20°12	9° 3	10°54	0°37	9°32	9°53	11°36	20°30	15°26	S 16
S 17	19 40 32	24°31'40	29°57	20°54	5°45	13°26	20° 6	9° 7	10°57	0°38	9°33	9°51	11°33	20°36	15°23	S 17
M18	19 44 29	25°28'58	11 <b>M</b> 44	22° 5	6°58	14° 7	20° 1	9°10	11° 1	0°39	9°33	9°D51	11°29	20°43	15°20	M18
T 19	19 48 25	26°26'17	23°34	23°15	8°12	14°48	19°56	9°14	11° 4	0°40	9°34	9°51	11°26	20°50	15°17	T 19
W20	19 52 22	27°23'36	5 <b>Ω</b> 32	24°21	9°25	15°28	19°52	9°17	11°8	0°41	9°34	9°53	11°23	20°56	15°14	W20
T 21	19 56 18	28°20'55	17°43	25°25	10°38	16° 9	19°47	9°21	11°11	0°42	9°35	9°54	11°20	21° 3	15°11	T 21
F 22	20 0 15	29°18'15	0 <b>M</b> .11	26°26	11°51	16°50	19°43	9°24	11°15	0°44	9°35	9°R55	11°17	21°10	15° 8	F 22
S 23	20 4 11	0 <b>Ω</b> 15'36	13° 1	27°25	13° 4	17°30	19°38	9°27	11°18	0°45	9°35	9°54	11°14	21°16	15° 5	S 23
S 24	20 8 8	1°12'57	26°17	28°20	14°18	18°11	19°34	9°30	11°22	0°46	9°36	9°51	11°10	21°23	15° 2	S 24
M25	20 12 5	2°10'18	10 <b>×</b> 1	29°13	15°31	18°51	19°30	9°33	11°25	0°48	9°36	9°47	11° 7	21°30	14°59	M25
T 26	20 16 1	3° 7'41	2 <u>4</u> °14	0MD 2	16°44	19°32	19°27	9°36	11°29	0°49	9°36	9°43	11° 4	21°36	14°56	T 26
W27	20 19 58	4° 5'04	8 <b>궁</b> 52	0°48	17°58	20°12	19°23	9°39	11°32	0°50	9°37	9°37	11° 1	21°43	14°53	W27
T 28	20 23 54	5° 2'27	23°50	1°30	19°11	20°52	19°19	9°41	11°36	0°52	9°37	9°33	10°58	21°50	14°49	T 28
F 29	20 27 51	5°59'52	9≈ 0	2° 9	20°25	21°32	19°16	9°44	11°39	0°53	9°37	9°29	10°54	21°56	14°46	F 29
S 30	20 31 47	6°57'17	24°11	2°43	21°38	22°12	19°13	9°46	11°42	0°55	9°37	9°26	10°51	22° 3	14°43	S 30
S 31	20 35 44	7 <b>Ω</b> 54'44	9 <b>∺</b> 14	3 <b>m</b> ) 14	22552	22 <b>II</b> 52	19 <b>×</b> 10	9 <b>8</b> 49	119546	0 <b>≏</b> 56	9 <b>8</b> 38	9°D26	10 <b>) (</b> 48	22 <b>\O</b> 10	14≈40	S 31

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F 1 S 2	23n10 23 6		3 s 1 9 2 2 1 2 2	22n35 22 11	1n48 1 44	21n59 22 9		20n29 20 38		22 s55 22 54	0n19 0 19	11n59 12 0		23n27 23 27	0n21 0 21	1n11 1 11	1n28 1 28	0s15 15s41 0 16 15 42	7 s27 7 29	6s56 6 57		9 s 2 0 9 2 1	7n 1 7 2
S 3 M 4 T 5 W 6 T 7 F 8 S 9 S 10 M11	22 25 22 18	5 47 0 0n57 1 7 29 2 13 31 3 18 48 4 23 6 4 26 13 5	2 42 2 3 38 4 4 22 4 4 51 5 5 5			22 26 22 34 22 41 22 47 22 53 22 58 23 3	0 41 0 38 0 36 0 33 0 30 0 28 0 25	20 47 20 55 21 4 21 12 21 20 21 27 21 35 21 42 21 49	0 10 0 9 0 8 0 7 0 7 0 6	22 53 22 53 22 52	0 19 0 19 0 19 0 19 0 18 0 18 0 18 0 18	12 3 12 4 12 6 12 7 12 8 12 9		23 27 23 26 23 26 23 26 23 26 23 25 23 25	0 21 0 21	1 11 1 10 1 10 1 10 1 9 1 9 1 9 1 8 1 8	1 28 1 28 1 28 1 28 1 28 1 28 1 28 1 28	0 16 15 42 0 16 15 42 0 16 15 42 0 16 15 43 0 16 15 43 0 16 15 43 0 16 15 44 0 16 15 44	7 30 7 30 7 30 7 30 7 31 7 33 7 35	6 58 6 59 7 0 7 2 7 3 7 4 7 5 7 7 7 8	17 2 16 59 16 56 16 53 16 50 16 47 16 44	9 21 9 22 9 22 9 23 9 23 9 24 9 24 9 25 9 25	7 2 7 2 7 2 7 3 7 3 7 3 7 3 7 4 7 4
	21 45 21 35 21 26	27 14 4 24 54 3 21 29 2 17 14 1	4 20 3 40 2 51 1 55		0 26 0 17 0 7	23 12 23 14 23 15 23 15	0 17 0 15 0 12 0 10	22 9 22 16 22 22	0 3 0 2 0 1 0 1	22 52 22 51 22 51 22 51 22 51	0 17 0 17 0 17 0 17	12 13 12 14 12 15 12 16 12 17	2 23 2 23 2 23	23 24 23 24 23 24 23 23		1 7 1 7 1 7 1 6 1 6	1 28 1 28 1 28 1 27 1 27	0 16 15 44 0 16 15 45 0 16 15 45 0 16 15 45 0 17 15 45	7 45 7 48 7 51 7 53	7 14	16 36 16 33 16 30 16 27	9 26 9 27 9 27 9 28 9 29	7 4 7 4 7 4 7 4 7 5
S 17 M18 T 19 W20 T 21 F 22 S 23	21 5 20 55 20 44 20 32 20 20	7 1 0 1 26 1 4s16 2 9 55 3 15 18 4	2 15	13 58 13 26 12 53 12 22 11 50	0 13 0 24 0 35 0 46 0 57		0 5 0 2 0n 1 0 3 0 6	22 28 22 33 22 39 22 44 22 49 22 54 22 59	0 1 0 2 0 2 0 3 0 4	22 51 22 50 22 50 22 50 22 50 22 50 22 49	0 17 0 16 0 16 0 16 0 16	12 18 12 19 12 20 12 20 12 21 12 22 12 23	2 24 2 24 2 24 2 24 2 25	23 22 23 22	0 21 0 21 0 21 0 21 0 21 0 21 0 21	1 5 1 5 1 4 1 4 1 3 1 3 1 2	1 27 1 27 1 27 1 27 1 27 1 27 1 27	0 17 15 46 0 17 15 46 0 17 15 46 0 17 15 47 0 17 15 47 0 18 15 48	7 54 7 53 7 53 7 52 7 52	7 16 7 17 7 19 7 20 7 21 7 22	16 18 16 15 16 12 16 9	9 29 9 30 9 31 9 31 9 32 9 33 9 34	7 5 7 5 7 5 7 5 7 5 7 5 7 5 7 5
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	19 43 19 30 19 17 19 3 18 49 18 34	27 8 5 28 23 5 27 43 4 25 3 3 20 36 2 14 47 1	-	10 49 10 20 9 52 9 24 8 58 8 33 8 9 7n47	1 32 1 44 1 56 2 8 2 21 2 33	22 42 22 35 22 27	0 13 0 16 0 18 0 21 0 23 0 25	23 3 23 8 23 12 23 15 23 19 23 23 23 26 23n29	0 6 0 7 0 8 0 9 0 9 0 10	22 49 22 49 22 49 22 49 22 49 22 49 22 49 22 849	0 15 0 15 0 15 0 15 0 15 0 15	12 24 12 24 12 25 12 26 12 26 12 27 12 27 12 27	2 25 2 26 2 26 2 26 2 26 2 27	23 21 23 20 23 20 23 20 23 20 23 20 23 19 23n19	0 21 0 21 0 21 0 21 0 21	1 1 1 1 1 0 1 0 0 59 0 59 0 58 0n57	1 27 1 27 1 27 1 27 1 27 1 27 1 27 1 27	0 18 15 48 0 18 15 48 0 18 15 48 0 18 15 49 0 19 15 49 0 19 15 50 0 19 15 50	7 55 7 57 7 59 8 1 8 2 8 3		16 1 15 58 15 55 15 52	9 35 9 35 9 36 9 37 9 38 9 39 9 40 9 \$40	7 5 7 5 7 6 7 6 7 6 7 6 7 6 7 6

 $\label{eq:Julian Day Number = 2311473.5, Delta T = 69.90 sec} \\ Ecliptic obliquity = 23°29'29, Nutation = 0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°23'16, Lahiri = 18°30'17Greg. Calendar$ 

AUGUST 1616 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)ţ(	<del>,</del>	Р	R	Ω	Ç	ķ	Day
M 1	20 39 40	8 <b>Ω</b> 52'11	24 <b>米</b> 1	3 mp 40	249 5	23 <b>II</b> 32	19°R 7	9 <b>8</b> 51	119549	0₽58	9 <b>8</b> 38	9 <b>∺</b> 26	10 <b>) (</b> 45	22 <b>Ω</b> 16	14°R37	M 1
T 2	20 43 37	9°49'40	8 <b>Υ</b> 27	4° 2	25°19	24°12	19 17 5	9°53	11°52	0°59	9°38	9°28	10 <b>)</b> (43	22°23	14 K37 14 <b>≈</b> 34	T 2
W 3	20 47 34	10°47'11	22°29	4°20	26°33	24°52	19° 3	9°55	11°56	1° 1	9°38	9°29	10°39	22°29	14°30	W 3
T 4	20 51 30	11°44'42	68 7	4°32	27°46	25°32	19° 0	9°57	11°59	1° 2	9°38	9°R30	10°35	22°36	14°27	T 4
F 5	20 55 27	12°42'16	19°21	4°39	29° 0	26°11	18°58	9°59	12° 2	1° 4	9°38	9°30	10°32	22°43	14°24	F 5
S 6	20 59 23	13°39'50	2П16	4°R41	0Ω14	26°51	18°56	10° 1	12° 5	1° 6	9°38	9°29	10°29	22°49	14°21	S 6
S 7	21 3 20	14°37'27	14°52	4°38	1°27	27°30	18°55	10° 3	12° 9	1° 7	9°38	9°26	10°26	22°56	14°18	S 7
M 8	21 7 16	15°35'04	27°14	4°29	2°41	28°10	18°53	10° 4	12°12	1° 9	9°38	9°23	10°23	23° 3	14°15	M 8
T 9	21 11 13	16°32'43	99525	4°15	3°55	28°49	18°52	10° 6	12°15	1°11	9°R38	9°19	10°20	23° 9	14°11	T 9
W10	21 15 9	17°30'24	21°26	3°55	5° 9	29°28	18°51	10° 7	12°18	1°12	9°38	9°16	10°16	23°16	14° 8	W10
T 11	21 19 6	18°28'06	3 <b>Ω</b> 20	3°30	6°23	0න 8	18°50	10° 8	12°21	1°14	9°38	9°13	10°13	23°23	14° 5	T 11
F 12	21 23 3	19°25'49	15°10	2°59	7°37	0°47	18°49	10° 9	12°24	1°16	9°38	9°10	10°10	23°29	14° 2	F 12
S 13	21 26 59	20°23'34	26°57	2°23	8°51	1°26	18°49	10°10	12°27	1°17	9°38	9° 9	10° 7	23°36	13°59	S 13
S 14	21 30 56	21°21'20	8 <b>m</b> )45	1°43	10° 5	2° 5	18°48	10°11	12°30	1°19	9°38	9°D 8	10° 4	23°43	13°56	S 14
M15	21 34 52	22°19'07	20°34	0°58	11°19	2°44	18°D48	10°12	12°33	1°21	9°38	9° 9	10° 0	23°49	13°52	M15
T 16	21 38 49	23°16'55	2 <b>Ω</b> 29	0°10	12°33	3°23	18°48	10°13	12°36	1°23	9°38	9°10	9°57	23°56	13°49	T 16
W17	21 42 45	24°14'45	14°31	29 <b>Ω</b> 18	13°47	4° 1	18°49	10°13	12°39	1°25	9°38	9°11	9°54	24° 3	13°46	W17
T 18	21 46 42	25°12'36	26°45	28°25	15° 1	4°40	18°49	10°14	12°42	1°27	9°38	9°12	9°51	24° 9	13°43	T 18
F 19	21 50 38	26°10'29	9 <b>m</b> .14	27°31	16°15	5°18	18°50	10°14	12°45	1°29	9°37	9°13	9°48	24°16	13°40	F 19
S 20	21 54 35	27° 8'22	22° 3	26°37	17°29	5°57	18°50	10°15	12°48	1°30	9°37	9°R14	9°45	24°23	13°37	S 20
S 21	21 58 32	28° 6'17	5 <b>₹</b> 14	25°45	18°43	6°35	18°51	10°15	12°51	1°32	9°37	9°14	9°41	24°29	13°34	S 21
M22	22 2 28	29° 4'14	1 <u>8</u> °50	24°54	19°57	7°14	18°53	10°R15	12°54	1°34	9°37	9°13	9°38	24°36	13°31	M22
T 23	22 6 25	0 mg 2'12	2 <b>3</b> 53	24° 7	21°12	7°52	18°54	10°15	12°56	1°36	9°36	9°12	9°35	24°42	13°28	T 23
W24	22 10 21	1° 0'11	17°21	23°25	22°26	8°30	18°55	10°15	12°59	1°38	9°36	9°11	9°32	24°49	13°25	W24
T 25	22 14 18	1°58'11	2 11	22°48	23°40	9° 8	18°57	10°15	13° 2	1°40	9°36	9°10	9°29	24°56	13°22	T 25
F 26	22 18 14	2°56'13	17°16	22°18	24°54	9°46	18°59	10°14	13° 4	1°42	9°35	9°10	9°25	25° 2	13°19	F 26
S 27	22 22 11	3°54'16	2 <b>∺</b> 28	21°54	26° 9	10°24	19° 1	10°14	13° 7	1°44	9°35	9°D10	9°22	25° 9	13°16	S 27
S 28	22 26 7	4°52'21	17°37	21°39	27°23	11° 2	19° 3	10°13	13°10	1°46	9°35	9°10	9°19	25°16	13°13	S 28
M29	22 30 4	5°50'28	2 <b>Υ</b> 35	21°D31	28°37	11°40	19° 6	10°13	13°12	1°48	9°34	9°10	9°16	25°22	13°10	M29
T 30	22 34 1	6°48'36	17°13	21°33	29°52	12°17	19° 9	10°12	13°15	1°50	9°34	9°10	9°13	25°29	13° 7	T 30
W31	22 37 57	7 Mp 46'47	1827	21 <b>A</b> 43	1 Mp 6	12955	19 <b>.7</b> 11	10 <b>8</b> 11	139917	1 <b>≏</b> 52	9 <b>8</b> 33	9 <b>米</b> 10	9 <b>米</b> 10	25 <b>Ω</b> 36	13 <b>≈</b> 5	W31

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	decl	decl lat	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
M 1	18n 5	1 s10	1n19	7n26	2 s 5 7	21n50	0n30	23n32	0n12	22 s49	0n14	12n28	2 s27	23n19	0n21	0n57	1n27	0 s 20 15 s	60 8s 3	7 s33	15n40	9 s41	7n 6
T 2	17 50	5n41 2	2 32	7 7	3 9	21 39	0 32	23 34	0 13	22 48	0 14	12 29	2 27	23 19	0 21	0 56	1 27	0 20 15 3	8 2	7 34	15 37	9 42	7 6
W 3	17 34	12 5 3	3 35	6 50	3 20	21 27	0 35	23 37	0 13	22 48	0 14	12 29	2 28	23 18	0 21	0 55	1 27	0 20 15 3	1 8 2	7 36	15 34	9 43	7 6
T 4	17 18	17 43 4	4 23	6 35	3 31	21 15	0 37	23 39	0 14	22 48	0 14	12 30	2 28	23 18	0 21	0 55	1 27	0 20 15 3	8 1	7 37		9 44	7 6
F 5	17 2	22 20 4		6 23	3 42		0 39	-	0 15	22 48		12 30		23 18		0 54	1 27	0 21 15 3	8 2	7 38	15 28	9 45	7 6
S 6	16 46	25 45 5	5 12	6 12	3 53	20 49	0 41	23 43	0 16	22 48	0 13	12 30	2 28	23 17	0 21	0 53	1 27	0 21 15	8 2	7 39	15 25	9 46	7 6
S 7	16 29	27 49 5	5 13	6 4	4 2	20 35	0 43	23 45	0 17	22 48	0 13	12 31	2 28	23 17	0 21	0 53	1 27	0 21 15 3	2 8 3	7 40	15 22	9 47	7 6
M 8	16 12	28 27 4	4 59	5 59	4 11	20 20	0 45	23 46	0 17	22 48	0 13	12 31	2 29	23 17	0 21	0 52	1 27	0 21 15 3	2 8 4	7 42	15 19	9 48	7 6
T 9	15 55	27 41 4	4 32	5 57	4 19	20 5	0 47	23 47	0 18	22 49	0 13	12 31	2 29	23 17	0 21	0 51	1 27	0 22 15 3	3 8 5	7 43	15 16	9 49	7 6
W10	15 37	25 37 3	3 54	5 57	4 26	19 49	0 49	23 48	0 19	22 49	0 13	12 31	2 29	23 16	0 21	0 51	1 27	0 22 15 3	3 8 7	7 44	15 13	9 50	7 5
T 11		22 27 3	3 5	6 1	4 32			23 49		22 49		12 31		23 16		0 50	1 27	0 22 15 3		7 45		9 51	7 5
F 12	15 2	18 22 2		6 8	4 37		0 53			22 49		12 32		23 16		0 49	1 27	0 23 15 3		,		9 52	7 5
S 13	14 43	13 36 1	1 7	6 17	4 40	18 58	0 55	23 51	0 22	22 49	0 12	12 32	2 30	23 16	0 21	0 48	1 27	0 23 15 3	4 8 9	7 48	15 4	9 53	7 5
S 14	14 25	8 21 (	0 2	6 30	4 42	18 40	0 57	23 51	0 22	22 49	0 12	12 32	2 30	23 15	0 21	0 48	1 27	0 23 15 3	8 10	7 49	15 1	9 53	7 5
M15	14 6	2 47 1	1 s 3	6 46	4 42	18 22	0 59	23 51	0 23	22 49	0 12	12 32	2 30	23 15	0 21	0 47	1 26	0 24 15 3	8 10	7 50	14 58	9 54	7 5
T 16	13 47	2 s 5 5	-	7 4	4 40			23 51		22 49		12 32		23 15		0 46	1 26	0 24 15 3				9 55	7 5
W17	13 28			7 26	4 36			23 51		22 50		12 32		23 14		0 45	1 26	0 24 15 3			-	9 56	7 5
T 18			-	7 49	4 30			23 50		22 50		12 32				0 45	1 26	0 25 15			14 49	9 57	7 5
F 19	12 49			8 15	4 23			23 50		22 50		12 31		23 14		0 44	1 26	0 25 15 3	-		14 46	9 58	7 4
S 20	12 29	23 12 5	5 3	8 42	4 13	16 41	1 7	23 49	0 27	22 50	0 11	12 31	2 32	23 14	0 21	0 43	1 26	0 25 15 3	6 8 8	7 56	14 43	9 59	7 4
S 21	12 9	26 24 5	5 16	9 10	4 2	16 20	1 8	23 48	0 28	22 50	0 11	12 31	2 32	23 13	0 21	0 42	1 26	0 26 15 3	6 8 8	7 57	14 40	10 0	7 4
M22	11 49	28 13 5	5 13	9 39	3 49	15 58	1 10	23 47	0 29	22 51	0 11	12 31	2 32	23 13	0 21	0 42	1 26	0 26 15 3	7 8 8	7 58	14 37	10 1	7 4
T 23	11 29	28 18 4	4 51 1	10 8	3 35	15 35	1 11	23 45	0 30	22 51	0 11	12 31		23 13		0 41	1 26	0 26 15 3	7 8 8	8 0	14 34	10 2	7 4
W24	11 8	26 29 4	4 10 1	10 37	3 19	15 12	1 12	23 44	0 31	22 51	0 11	12 30	2 33	23 13	0 21	0 40	1 26	0 27 15 3	7 8 9	8 1	14 31	10 3	7 4
T 25	10 48		3 11 1		3 2		1 13			22 52	0 10	12 30		23 12		0 39	1 26	0 27 15 3			-		7 3
F 26			1 59 1			14 25	1 15			22 52		12 30		23 12		0 38	1 26	0 27 15 3	-				7 3
S 27	10 6	11 12 (	0 37 1	11 56	2 26	14 1	1 16	23 38	0 33	22 52	0 10	12 29	2 33	23 12	0 22	0 38	1 26	0 28 15 3	8 8 9	8 4	14 22	10 6	7 3
S 28	9 45	4 11 (	0n47 1	12 19	2 7	13 36	1 17	23 36	0 34	22 53	0 10	12 29	2 34	23 12	0 22	0 37	1 26	0 28 15 3	8 8 9	8 6	14 18	10 7	7 3
M29	9 23	2n58 2	2 7 1	12 39	1 48	13 12	1 18	23 34	0 35	22 53	0 10	12 29	2 34	23 12	0 22	0 36	1 26	0 28 15 3	9 8 9	8 7	14 15	10 8	7 3
T 30	9 2	9 48 3	3 16 1	12 56	1 29	12 46	1 19	23 31	0 36	22 53	0 10	12 28	2 34	23 11	0 22	0 35	1 26	0 29 15 3	9 8 9	8 8	14 12	10 9	7 2
W31	8n40	15n56	4n12 1	13n11	1 s 1 1	12n21	1n20	23n29	0n37	22 s54	0n 9	12n28	2 s 3 4	23n11	0n22	0n34	1n26	0s29 15s	9 8s 9	8s 9	14n 9	10s10	7n 2

Julian Day Number = 2311504.5, Delta T = 69.81 sec Ecliptic obliquity =  $23^{\circ}29'29$ , Nutation =  $0^{\circ}00'07$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}23'20$ , Lahiri =  $18^{\circ}30'21$ Greg. Calendar

SEPTEMBER 1616 GC 00:00 UT

JLI	LUDEN	TOTO U	C												00.00	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	<del>¥</del>	Р	ស	S	Ç	Ŗ	Day
T 1	22 41 54	8 <b>m</b> 44'59	15 <b>8</b> 14	22 <b>N</b> 2	2 Mp 21	13933	19 <b>х</b> 14	10°R10	139520	1 <b>≏</b> 54	9°R33	9°R10	9 <b>米</b> 6	25 <b>Ω</b> 42	13°R 2	T 1
F 2	22 45 50	9°43'14	28°35	22°29	3°35	14°10	19°18	108 9	13°22	1°57	9 <b>8</b> 33	9 <b>)</b> 10	9° 3	25°49	12≈59	F 2
S 3	22 49 47	10°41'31	11 <b>II</b> 31	23° 5	4°50	14°47	19°21	10° 8	13°24	1°59	9°32	9°D10	9° 0	25°56	12°56	S 3
S 4	22 53 43	11°39'50	24° 6	23°50	6° 4	15°25	19°24	10° 6	13°27	2° 1	9°32	9°10	8°57	26° 2	12°54	S 4
M 5	22 57 40	12°38'11	6923	24°42	7°19	16° 2	19°28	10° 5	13°29	2° 3	9°31	9°10	8°54	26° 9	12°51	M 5
T 6	23 1 36	13°36'34	18°27	25°42	8°33	16°39	19°32	10° 3	13°31	2° 5	9°30	9°11	8°51	26°16	12°49	T 6
W 7	23 5 33	14°34'59	$0\Omega 22$	26°49	9°48	17°16	19°36	10° 2	13°33	2° 7	9°30	9°11	8°47	26°22	12°46	W 7
T 8	23 9 30	15°33'27	12°11	28° 2	11° 2	17°53	19°40	10° 0	13°35	2° 9	9°29	9°12	8°44	26°29	12°44	T 8
F 9	23 13 26	16°31'56	23°58	29°22	12°17	18°29	19°45	9°58	13°37	2°12	9°29	9°13	8°41	26°36	12°41	F 9
S 10	23 17 23	17°30'27	5 Mp 46	0 <b>m</b> 46	13°32	19° 6	19°49	9°56	13°40	2°14	9°28	9°R13	8°38	26°42	12°39	S 10
S 11	23 21 19	18°29'00	17°37	2°16	14°46	19°43	19°54	9°54	13°42	2°16	9°27	9°13	8°35	26°49	12°36	S 11
M12	23 25 16	19°27'35	29°34	3°50	16° 1	20°19	19°59	9°52	13°44	2°18	9°27	9°12	8°31	26°55	12°34	M12
T 13	23 29 12	20°26'12	11 <b>≏</b> 38	5°27	17°16	20°56	20° 4	9°50	13°45	2°20	9°26	9°11	8°28	27° 2	12°32	T 13
W14	23 33 9	21°24'51	23°51	7° 7	18°31	21°32	20° 9	9°48	13°47	2°22	9°25	9° 9	8°25	27° 9	12°29	W14
T 15	23 37 5	22°23'32	6 <b>M</b> .15	8°50	19°45	22° 8	20°15	9°45	13°49	2°25	9°25	9° 8	8°22	27°15	12°27	T 15
F 16	23 41 2	23°22'14	18°53	10°35	21° 0	22°44	20°20	9°43	13°51	2°27	9°24	9° 6	8°19	27°22	12°25	F 16
S 17	23 44 58	24°20'59	1 <b>∡7</b> 47	12°21	22°15	23°20	20°26	9°40	13°53	2°29	9°23	9° 4	8°16	27°29	12°23	S 17
S 18	23 48 55	25°19'45	14°58	14° 9	23°30	23°56	20°32	9°38	13°54	2°31	9°22	9° 3	8°12	27°35	12°21	S 18
M19	23 52 52	26°18'32	28°28	15°58	24°45	24°32	20°38	9°35	13°56	2°33	9°22	9°D 3	8° 9	27°42	12°19	M19
T 20	23 56 48	27°17'22	12 <b>る</b> 20	17°47	25°59	25° 8	20°44	9°32	13°58	2°36	9°21	9° 3	8° 6	27°49	12°17	T 20
W21	0 0 45	28°16'13	26°32	19°36	27°14	25°43	20°50	9°29	13°59	2°38	9°20	9° 4	8° 3	27°55	12°15	W21
T 22	0 441	29°15'06	11≈ 3	21°26	28°29	26°19	20°57	9°26	14° 1	2°40	9°19	9° 6	8° 0	28° 2	12°13	T 22
F 23	0 8 38	0 <b>ჲ</b> 14'01	25°50	23°15	29°44	26°54	21° 3	9°23	14° 2	2°42	9°18	9° 7	7°57	28° 9	12°12	F 23
S 24	0 12 34	1°12'57	10 <b>) (</b> 47	25° 5	0 <b>ჲ</b> 59	27°29	21°10	9°20	14° 3	2°45	9°18	9°R 7	7°53	28°15	12°10	S 24
S 25	0 16 31	2°11'56	25°47	26°53	2°14	28° 4	21°17	9°16	14° 5	2°47	9°17	9° 7	7°50	28°22	12° 8	S 25
M26	0 20 27	3°10'56	10 <b>Ƴ</b> 41	28°42	3°29	28°39	21°24	9°13	14° 6	2°49	9°16	9° 5	7°47	28°29	12° 7	M26
T 27	0 24 24	4° 9'59	25°21	0 <b>ჲ</b> 30	4°43	29°14	21°32	9°10	14° 7	2°51	9°15	9° 2	7°44	28°35	12° 5	T 27
W28	0 28 21	5° 9'03	9841	2°17	5°58	29°49	21°39	9° 6	14° 9	2°54	9°14	8°58	7°41	28°42	12° 4	W28
T 29	0 32 17	6° 8'10	23°35	4° 4	7°13	0Ω24	21°46	9° 2	14°10	2°56	9°13	8°54	7°37	28°48	12° 2	T 29
F 30	0 36 14	7 <b>요</b> 7'20	7 <b>II</b> 2	5 <b>≙</b> 50	8 <b>॒</b> 28	$0\Omega$ 59	21 <b>×</b> 754	8 <b>8</b> 59	149511	2 <b>≏</b> 58	9 <b>8</b> 12	8 <b>) (</b> 51	7 <b>)</b> €34	$28\Omega55$	12≈ 1	F 30

Day	0	D	ğ	ρ	ď	4	ħ	)∤(	¥	Р	n	v t	ę ,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1 F 2 S 3	7 56	24 58 5 12		35 11 28 1 2	1 23 23 0 39	22 s54 On 9 22 54 O 9 22 55 O 9	12 27 2 35	23n11 0n22 23 11 0 22 23 10 0 22	0n33 1n26 0 33 1 26 0 32 1 26	0s30 15s59 0 30 16 0 0 30 16 0	8s 9 8 9 8 9	8 s 10 14 n 6 8 12 14 3 8 13 14 0	10 12 7 2
S 4 M 5 T 6 W 7 T 8	7 12 6 50 6 28 6 5 5 42	28 3 4 43 26 17 4 6 23 22 3 20	13 31 On 13 25 0 1 13 14 0	27 9 40 1 2	3 23 13 0 41 3 23 9 0 42 4 23 5 0 43	22 55 0 9 22 56 0 9 22 56 0 9 22 57 0 8 22 57 0 8	12 25 2 35 12 24 2 36 12 23 2 36	23 10 0 22 23 10 0 22 23 10 0 22	0 31 1 26 0 30 1 26 0 29 1 26 0 28 1 26 0 27 1 26	0 31 16 0 0 31 16 0 0 32 16 1 0 32 16 1 0 32 16 1	8 9 8 9 8 9 8 8 8 8	8 16 13 51 8 18 13 48	7 10 14 7 1 1 10 15 7 1 1 0 16 7 0 8 10 17 7 0 5 10 18 7 0
F 9 S 10	5 20 4 57		12 42 1 12 21 1	3 8 16 1 2 13 7 48 1 2		22 58 0 8 22 58 0 8			0 27 1 26 0 26 1 26	0 33 16 1 0 33 16 2	8 8 8 8		2 10 19 7 0 0 10 20 6 59
S 11 M12 T 13 W14 T 15 F 16 S 17	4 34 4 11 3 48 3 25 3 1 2 38 2 15	1 s31	11 0 1 1 10 28 1 4 9 53 1 4 9 16 1	28 6 50 1 2 35 6 21 1 2 40 5 51 1 2 44 5 22 1 2 47 4 52 1 2		23 0 0 7 23 1 0 7 23 1 0 7	12 19 2 37 12 18 2 37 12 18 2 37 12 17 2 38 12 16 2 38	23 9 0 22 23 9 0 22 23 8 0 22 23 8 0 22 23 8 0 22	0 25 1 26 0 24 1 26 0 23 1 26 0 22 1 26 0 21 1 26 0 20 1 26 0 20 1 26	0 34 16 2 0 34 16 2 0 35 16 2 0 35 16 3 0 35 16 3 0 36 16 3	8 8 8 8 8 9 8 9 8 10 8 11 8 11	8 23 13 32 8 25 13 29 8 26 13 26	5 10 24 6 58 3 10 25 6 58 0 10 26 6 57
S 18 M19 T 20 W21 T 22 F 23 S 24	1 28 1 5 0 41	27 19 4 25 24 24 3 34 19 53 2 29	7 16 1 : 6 33 1 : 5 49 1 : 5 4 1 4 19 1 :	51     3     23     1     2       51     2     52     1     2       50     2     22     1     2       49     1     52     1     2       47     1     22     1     2		23 3 0 7 23 3 0 7 23 4 0 6 23 5 0 6 23 5 0 6	12 13 2 38 12 12 2 38 12 10 2 39 12 9 2 39 12 8 2 39	23 8 0 22 23 8 0 22 23 7 0 22 23 7 0 22 23 7 0 22	0 19 1 26 0 18 1 26 0 17 1 26 0 16 1 26 0 15 1 26 0 14 1 26 0 13 1 26	0 37 16 3 0 37 16 4 0 38 16 4 0 38 16 4 0 38 16 4 0 39 16 4 0 39 16 5	8 12 8 12 8 11 8 11 8 11 8 10 8 10	8 34 13 4	10 29 6 56 7 10 30 6 56 10 30 6 55 10 31 6 55 8 10 32 6 55
S 25 M26 T 27 W28 T 29 F 30		0 18 1 31 6n46 2 45 13 21 3 48 19 4 4 34 23 35 5 3 26n41 5n14	1 14 1 1 0 27 1 1 0 s20 1 1	37 0s10 1 2 33 0 41 1 1 29 1 11 1 1 24 1 42 1 1	0 21 28 1 1 9 21 22 1 2 8 21 16 1 3 7 21 9 1 4	23 7 0 6 23 8 0 6 23 8 0 6 23 9 0 5	12 5 2 39 12 3 2 40 12 2 2 40 12 1 2 40	23 7 0 22 23 7 0 22 23 7 0 22	0 13 1 26 0 12 1 26 0 11 1 26 0 10 1 26 0 9 1 26 0n 8 1n26	0 40 16 5 0 40 16 5 0 41 16 5 0 41 16 5 0 41 16 6 0 s42 16 s 6	8 10 8 11 8 12 8 14 8 15 8 s16		2 10 36 6 53 0 10 37 6 52

 $\label{eq:Julian Day Number = 2311535.5, Delta T = 69.73 sec} \\ Ecliptic obliquity = 23°29'30, Nutation = 0°00'07, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°23'25, Lahiri = 18°30'25Greg. Calendar$ 

OCTOBER 1616 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂ <sup>™</sup>	4	ħ	)∤(	并	Р	n	Ω	Ç	ķ	Day
S 1	0 40 10	8 <b>ල</b> 6'31	20П 3	7 <b>₽</b> 35	9 <b>≙</b> 43	1 <b>Q</b> 33	22 <b>×</b> 2	8°R55	149512	3 <b>₾</b> 0	9°R11	8°R48	7 <b>)</b> €31	298 2	11°R59	S 1
S 2	0 44 7	9° 5'45	29541	9°19	10°58	2° 7	22°10	8 <b>8</b> 51	14°13	3° 2	9 <b>8</b> 10	8 <b>):</b> 46	7°28	29° 8	11≈58	S 2
M 3	0 48 3	10° 5'02	14°59	11° 3	12°13	2°42	22°18	8°47	14°14	3° 5	9° 9	8°D46	7°25	29°15	11°57	M 3
T 4	0 52 0	11° 4'20	27° 1	12°46	13°28	3°16	22°26	8°43	14°15	3° 7	9° 9	8°47	7°22	29°22	11°56	T 4
W 5	0 55 56	12° 3'41	8 <b>Ω</b> 54	14°28	14°43	3°50	22°34	8°39	14°16	3° 9	9°8	8°49	7°18	29°28	11°55	W 5
T 6	0 59 53	13° 3'05	20°42	16°10	15°58	4°24	22°43	8°35	14°16	3°11	9° 7	8°51	7°15	29°35	11°54	T 6
F 7	1 3 50	14° 2'30	2 Mp 29	17°50	17°13	4°57	22°52	8°31	14°17	3°14	9° 6	8°52	7°12	29°42	11°53	F 7
S 8	1 7 46	15° 1'58	14°19	19°30	18°28	5°31	23° 0	8°27	14°18	3°16	9° 5	8°R52	7° 9	29°48	11°52	S 8
S 9	1 11 43	16° 1'28	26°17	21°10	19°43	6° 4	23° 9	8°23	14°18	3°18	9° 4	8°51	7° 6	29°55	11°51	S 9
M10	1 15 39	17° 1'00	8 <b>₾</b> 23	22°48	20°58	6°38	23°18	8°18	14°19	3°20	9° 2	8°47	7° 2	0Mg 2	11°50	M10
T 11	1 19 36	18° 0'34	20°41	24°26	22°13	7°11	23°27	8°14	14°19	3°22	9° 1	8°42	6°59	0° 8	11°50	T 11
W12	1 23 32	19° 0'10	3 <b>M</b> .11	26° 4	23°29	7°44	23°36	8°10	14°20	3°25	9° 0	8°35	6°56	0°15	11°49	W12
T 13	1 27 29	19°59'48	15°54	27°40	24°44	8°17	23°46	8° 5	14°20	3°27	8°59	8°28	6°53	0°21	11°48	T 13
F 14	1 31 25	20°59'28	28°49	29°16	25°59	8°50	23°55	8° 1	14°21	3°29	8°58	8°20	6°50	0°28	11°48	F 14
S 15	1 35 22	21°59'10	11 <b>×</b> 757	0 <b>M</b> .52	27°14	9°22	24° 5	7°56	14°21	3°31	8°57	8°13	6°47	0°35	11°47	S 15
S 16	1 39 19	22°58'54	25°18	2°26	28°29	9°55	24°15	7°51	14°21	3°33	8°56	8° 8	6°43	0°41	11°47	S 16
M17	1 43 15	23°58'39	8 <b>궁</b> 52	4° 1	29°44	10°27	24°24	7°47	14°21	3°35	8°55	8° 5	6°40	0°48	11°47	M17
T 18	1 47 12	24°58'27	22°39	5°34	0 <b>M</b> .59	10°59	24°34	7°42	14°22	3°37	8°54	8°D 4	6°37	0°55	11°47	T 18
W19	1 51 8	25°58'16	6≈39	7° 7	2°14	11°31	24°44	7°37	14°22	3°39	8°53	8° 5	6°34	1° 1	11°46	W19
T 20	1 55 5	26°58'06	20°52	8°40	3°29	12° 3	24°54	7°33	14°R22	3°42	8°52	8° 6	6°31	1° 8	11°46	T 20
F 21	1 59 1	27°57'58	5 <b>)</b> 16	10°12	4°44	12°34	25° 5	7°28	14°22	3°44	8°51	8°R 6	6°28	1°15	11°D46	F 21
S 22	2 2 58	28°57'52	19°49	11°44	6° 0	13° 6	25°15	7°23	14°22	3°46	8°50	8° 6	6°24	1°21	11°46	S 22
S 23	2 6 54	29°57'48	4 <b>Υ</b> 26	13°15	7°15	13°37	25°25	7°18	14°21	3°48	8°48	8° 3	6°21	1°28	11°46	S 23
M24	2 10 51	0 <b>M</b> 57'45	19° 1	14°45	8°30	14° 8	25°36	7°14	14°21	3°50	8°47	7°58	6°18	1°35	11°47	M24
T 25	2 14 48	1°57'44	3 <b>8</b> 28	16°15	9°45	14°39	25°47	7° 9	14°21	3°52	8°46	7°51	6°15	1°41	11°47	T 25
W26	2 18 44	2°57'45	17°40	17°45	11° 0	15°10	25°57	7° 4	14°21	3°54	8°45	7°42	6°12	1°48	11°47	W26
T 27	2 22 41	3°57'49	1 <b>II</b> 31	19°14	12°15	15°41	26° 8	6°59	14°20	3°56	8°44	7°32	6° 8	1°55	11°47	T 27
F 28	2 26 37	4°57'54	14°59	20°42	13°30	16°11	26°19	6°54	14°20	3°58	8°43	7°23	6° 5	2° 1	11°48	F 28
S 29	2 30 34	5°58'01	28° 2	22°10	14°45	16°42	26°30	6°49	14°19	4° 0	8°42	7°15	6° 2	2° 8	11°48	S 29
S 30	2 34 30	6°58'11	109542	23°37	16° 1	17°12	26°41	6°44	14°19	4° 2	8°41	7° 9	5°59	2°14	11°49	S 30
M31	2 38 27	7 <b>M</b> 58'22	2395 2	25 <b>M</b> 4	17 <b>M</b> .16	17 <b>Ω</b> 42	26 <b>₹</b> 53	6 <b>8</b> 40	149518	4 <b>♀</b> 4	8 <b>8</b> 40	7 <b>∺</b> 6	5 <b>)</b> 56	2 Mp 21	11≈50	M31

Day	0	D	ğ	·	♂	4	ħ	)Å(	卉	P	R	Ω	Ç	ķ
	decl	decl lat	decl lat	decl lat de	l lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
S 1	3 s13	28n14 5n 8	1 s 5 3 1 n 1 4	2 s43 1n15 20n	6 1n 6	23 s10 On 5	11n58 2s40	23n 6 0n22	0n 7 1n26	0s42 16s 6	8 s 1 7	8 s46	12n33	10s39 6n5
S 2	3 37	28 15 4 47	2 39 1 8	3 13 1 14 20	9 1 7	23 10 0 5	11 57 2 40	23 6 0 22	0 6 1 26	0 43 16 6	8 18	8 47	12 30	10 39 6 5
M 3	4 0	26 51 4 13				23 11 0 5	11 56 2 40		0 5 1 26	0 43 16 6		8 48		
T 4	4 23		4 11 0 57			23 12 0 5	-		0 5 1 26	0 44 16 6				10 41 6 5
W 5		20 35 2 37	4 56 0 51			23 12 0 5			0 4 1 26	0 44 16 6		8 51		
T 6	5 10		5 41 0 44			23 13 0 5			0 3 1 26	0 44 16 7		8 52		
F 7	5 33						11 50 2 41 11 49 2 41		0 2 1 26	0 45 16 7		8 53 1		
S 8	5 56	5 44 0s30	7 10 0 31	6 15 1 6 20	7 1 13	23 14 0 4	11 49 2 41	23 6 0 23	0 1 1 26	0 45 16 7	8 16	8 54	12 11	10 44 6 4
S 9	6 19	0 3 1 34	7 53 0 25	6 44 1 4 20	0 1 15	23 15 0 4	11 47 2 41	23 6 0 23	0 0 1 26	0 46 16 7	8 16	8 56	12 8	10 44 6 4
M10	6 42					23 15 0 4	-		0s 1 1 26	0 46 16 7	8 18	8 57		10 45 6 4
T 11	7 5	-				23 16 0 4			0 1 1 26	0 46 16 7	8 20	8 58		10 46 6 4
W12	7 27	16 33 4 12					11 43 2 41		0 2 1 26	0 47 16 7		8 59		
T 13		21 11 4 46					11 41 2 41		0 3 1 26	0 47 16 7	8 25			10 47 6 40
F 14			11 23 0 9				11 40 2 41		0 4 1 26	0 48 16 7				10 47 6 4
S 15	8 35	27 22 5 8	12 3 0 16	5 9 40 0 54 19	5 1 21	23 18 0 4	11 38 2 42	23 6 0 23	0 5 1 26	0 48 16 7	8 30	9 3	11 49	10 48 6 4
S 16	8 57	28 19 4 55	12 42 0 23	3 10 9 0 52 19	7 1 22	23 19 0 3	11 37 2 42	23 6 0 23	0 6 1 26	0 48 16 8	8 32	9 4	11 46	10 49 6 4
M17			13 21 0 29			23 19 0 3	11 35 2 42		0 6 1 26	0 49 16 8	8 33			10 49 6 4
T 18		25 12 3 40				23 20 0 3			0 7 1 26	0 49 16 8				10 50 6 4
W19		21 15 2 41		3 11 33 0 46 18		23 20 0 3			0 8 1 27	0 50 16 8				10 50 6 4
T 20	10 25						11 30 2 42		0 9 1 27	0 50 16 8			11 33	
F 21	10 46			5 12 28 0 42 18			11 29 2 42		0 10 1 27	0 50 16 8		9 10		
S 22	11 8	3 5 ln 3	16 23 1 3	3 12 55 0 40 18	0 1 29	23 22 0 3	11 27 2 42	23 6 0 23	0 10 1 27	0 51 16 8	8 33	9 11	11 26	10 51 6 42
S 23	11 29	3n51 2 17	16 57 1 9	13 22 0 38 18	3 1 30	23 22 0 3	11 26 2 42	23 6 0 23	0 11 1 27	0 51 16 8	8 34	9 12	11 23	10 52 6 4
M24	11 50	10 34 3 22	17 30 1 15	13 48 0 36 18	5 1 31	23 23 0 3	11 24 2 42	23 6 0 23	0 12 1 27	0 51 16 8	8 36	9 13	11 20	10 52 6 4
T 25	12 11	16 39 4 13	18 2 1 21	14 14 0 34 17			11 23 2 42		0 13 1 27	0 52 16 8	8 39	9 14	11 17	10 53 6 40
W26		21 43 4 47					11 21 2 42		0 14 1 27	0 52 16 8		9 16		
T 27	12 52					23 24 0 2			0 14 1 27	0 52 16 8		9 17		
F 28	13 12		19 34 1 39				11 18 2 42		0 15 1 27	0 53 16 8		9 18		
S 29	13 32	28 14 4 46	20 2 1 45	5 15 54 0 25 17	5 1 37	23 25 0 2	11 16 2 42	23 6 0 23	0 16 1 27	0 53 16 8	8 52	9 19	11 4	10 54 6 3
S 30	13 52	27 18 4 15	20 30 1 50	16 18 0 22 17	7 1 38	23 25 0 2	11 15 2 42	23 6 0 23	0 17 1 27	0 53 16 8	8 54	9 20	11 1	10 54 6 3
M31	14 s12	25n 1 3n33	20 s 56 1 s 55	5 16 s42 0n20 17n	9 1n40	23 s26 On 2	11n13 2s42	23n 6 0n23	0s17 1n27	0s54 16s 8	8 s55	9 s21	10n58	10 s 5 5 6 n 3

Julian Day Number = 2311565.5, Delta T = 69.65 sec Ecliptic obliquity = 23°29'30, Nutation =  $0^{\circ}00'06$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^{\circ}23'29$ , Lahiri =  $18^{\circ}30'29$ Greg. Calendar

NOVEMBER 1616 GC 00:00 UT

11012	DEN 3	LUIU UC													00.0	0 0.
Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	并	В	S.	ß	Ç	Ŷ,	Day
T 1	2 42 23	8M58'36	5 <b>Ω</b> 6	26 <b>M</b> 31	18 <b>M</b> .31	18 <b>Ω</b> 11	27 <b>.</b> ₹ 4	6°R35	14°R18	4 <b>º</b> 6	8°R38	7°D 5	5 <b>)</b> 53	2 m/28	11≈50	T 1
W 2	2 46 20	9°58'51	16°59	27°56	19°46	18°41	27°15	6 <b>8</b> 30	149517	4° 8	8 <b>8</b> 37	7 <b>)</b> 5	5°49	2°34	11°51	W 2
T 3	2 50 17	10°59'09	28°47	29°21	21° 1	19°10	27°27	6°25	14°16	4° 9	8°36	7° 5	5°46	2°41	11°52	T 3
F 4	2 54 13	11°59'28	10 <b>m</b> 35	0 <b>才</b> 45	22°16	19°39	27°38	6°20	14°16	4°11	8°35	7°R 6	5°43	2°48	11°53	F 4
S 5	2 58 10	12°59'50	22°28	2° 9	23°31	20° 8	27°50	6°15	14°15	4°13	8°34	7° 4	5°40	2°54	11°54	S 5
S 6	3 2 6	14° 0'13	4 <b>₽</b> 31	3°31	24°47	20°37	28° 2	6°11	14°14	4°15	8°33	7° 1	5°37	3° 1	11°55	S 6
M 7	3 6 3	15° 0'38	16°47	4°53	26° 2	21° 6	28°13	6° 6	14°13	4°17	8°32	6°55	5°34	3° 8	11°56	M 7
T 8	3 9 59	16° 1'05	29°18	6°13	27°17	21°34	28°25	6° 1	14°12	4°19	8°31	6°46	5°30	3°14	11°57	T 8
W 9	3 13 56	17° 1'34	12 <b>M</b> 6	7°32	28°32	22° 2	28°37	5°56	14°11	4°20	8°29	6°34	5°27	3°21	11°58	W 9
T 10	3 17 52	18° 2'04	25°11	8°50	29°47	22°30	28°49	5°52	14°10	4°22	8°28	6°22	5°24	3°28	11°59	T 10
F 11	3 21 49	19° 2'37	8 <b>₹</b> 30	10° 7	1 <b>₹</b> 2	22°57	29° 1	5°47	14° 9	4°24	8°27	6° 9	5°21	3°34	12° 1	F 11
S 12	3 25 46	20° 3'10	22° 2	11°21	2°18	23°24	29°14	5°42	14° 8	4°26	8°26	5°58	5°18	3°41	12° 2	S 12
S 13	3 29 42	21° 3'45	5 <b>云</b> 44	12°34	3°33	23°52	29°26	5°38	14° 6	4°27	8°25	5°49	5°14	3°47	12° 4	S 13
M14	3 33 39	22° 4'22	19°34	13°45	4°48	24°18	29°38	5°33	14° 5	4°29	8°24	5°42	5°11	3°54	12° 5	M14
T 15	3 37 35	23° 4'59	3≈29	14°53	6° 3	24°45	29°51	5°29	14° 4	4°30	8°23	5°39	5° 8	4° 1	12° 7	T 15
W16	3 41 32	24° 5'38	17°30	15°59	7°18	25°11	0る3	5°24	14° 2	4°32	8°22	5°38	5° 5	4° 7	12° 9	W16
T 17	3 45 28	25° 6'18	1 <b>)</b> 34	17° 1	8°33	25°37	0°16	5°20	14° 1	4°34	8°21	5°37	5° 2	4°14	12°10	T 17
F 18	3 49 25	26° 6'58	15°41	18° 0	9°49	26° 3	0°28	5°15	14° 0	4°35	8°20	5°37	4°59	4°21	12°12	F 18
S 19	3 53 21	27° 7'40	29°51	18°54	11° 4	26°28	0°41	5°11	13°58	4°37	8°19	5°36	4°55	4°27	12°14	S 19
S 20	3 57 18	28° 8'23	14 <b>Y</b> 1	19°44	12°19	26°54	0°54	5° 7	13°57	4°38	8°17	5°31	4°52	4°34	12°16	S 20
M21	4 1 15	29° 9'07	28° 9	20°29	13°34	27°18	1° 6	5° 2	13°55	4°40	8°16	5°24	4°49	4°41	12°18	M21
T 22	4 5 11	0 <b>≯</b> 9'53	12811	21° 8	14°49	27°43	1°19	4°58	13°53	4°41	8°15	5°14	4°46	4°47	12°20	T 22
W23	4 9 8	1°10'39	26° 1	21°40	16° 4	28° 7	1°32	4°54	13°52	4°43	8°14	5° 2	4°43	4°54	12°22	W23
T 24	4 13 4	2°11'27	9 <b>Ⅱ</b> 37	22° 4	17°19	28°31	1°45	4°50	13°50	4°44	8°13	4°49	4°40	5° 1	12°24	T 24
F 25	4 17 1	3°12'16	22°55	22°21	18°35	28°55	1°58	4°46	13°48	4°45	8°12	4°36	4°36	5° 7	12°26	F 25
S 26	4 20 57	4°13'06	5952	22°R28	19°50	29°19	2°11	4°42	13°46	4°47	8°11	4°24	4°33	5°14	12°28	S 26
S 27	4 24 54	5°13'58	18°30	22°25	21° 5	29°42	2°24	4°38	13°45	4°48	8°10	4°15	4°30	5°21	12°31	S 27
M28	4 28 51	6°14'51	0 <b>Ω</b> 49	22°12	22°20	0 Mp 4	2°37	4°35	13°43	4°49	8° 9	4° 9	4°27	5°27	12°33	M28
T 29	4 32 47	7°15'45	12°53	21°47	23°35	0°27	<u>2°50</u>	4°31	13°41	4°51	8° 8	4° 6	4°24	5°34	12°36	T 29
W30	4 36 44	8 <b>₮</b> 16'40	$24\Omega 46$	21 <b>×</b> 12	24 <b>×</b> 750	0 <b>m</b> 49	3중 4	4827	13939	4 <b>≏</b> 52	8 <b>8</b> 7	4 <b>)</b>	4 <b>∺</b> 20	5 <b>m</b> 40	12≈38	W30

Day	0	D	ğ	Q	♂	4	ħ	)ਮੂ(	卉	Р	v v	ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1 W 2 T 3	14 s31 14 50 15 9	17 27 1 45	21 s22 2s 21 46 2 22 10 2	5 17 28 0 15	16 53 1 42	23 26 0 2	11n12 2s42 11 10 2 42 11 9 2 42		0s18 1n27 0 19 1 27 0 20 1 27	0 54 16 8	8 s 5 6 9 s 2 3 8 5 6 9 2 4 8 5 6 9 2 5		10 s 5 5 6 36 10 5 5 6 36
F 4 S 5	15 28 15 46	7 20 0s19	22 32 2	14 18 12 0 11	16 37 1 45	23 27 0 1 23 27 0 1 23 27 0 1	11 7 2 41	23 7 0 23	0 20 1 27 0 20 1 27 0 21 1 27	0 55 16 8	8 56 9 26	10 45	10 56 6 35
S 6 M 7 T 8	16 5 16 22 16 40	9 36 3 15	23 13 2 1 23 31 2 1 23 49 2 1	24 19 15 0 3	16 13 1 49	23 27 0 1 23 28 0 1 23 28 0 1	11 4 2 41 11 3 2 41 11 1 2 41	23 7 0 23 23 7 0 24 23 7 0 24	0 22 1 27 0 22 1 27 0 23 1 27	0 56 16 8	9 0 9 30	10 38 10 35 10 32	10 56 6 34
W 9 T 10 F 11			24 19 2	32 20 13 0 4	15 49 1 53	23 28 0 1 23 28 0 1 23 29 0 1		23 8 0 24	0 24 1 27 0 24 1 27 0 25 1 27	0 57 16 8	9 7 9 32 9 12 9 33	10 29 10 25 10 22	10 56 6 33 10 57 6 33
S 12 S 13 M14	17 48 18 4 18 20	27 43 4 22	24 55 2	35 21 6 0 12	15 26 1 57	23 29 0 0 23 29 0 0 23 29 0 0	10 54 2 41	23 8 0 24	0 26 1 27 0 26 1 27 0 27 1 27	0 57 16 7		10 19 10 16 10 12	
T 15 W16 T 17		22 2 2 41 17 7 1 34	25 11 2 2 25 17 2	34 21 38 0 16 33 21 53 0 19	15 11 1 59 15 3 2 1	23 29 0 0 23 29 0 0 23 29 0 s 0	10 51 2 40 10 50 2 40	23 8 0 24 23 9 0 24	0 27 1 27 0 28 1 27 0 29 1 28	0 58 16 7 0 58 16 7	9 28 9 39 9 28 9 40 9 28 9 41	10 9 10 6	10 57 6 30 10 57 6 30 10 57 6 29
F 18 S 19	19 19 19 34	4 51 0n53 1n50 2 4	25 24 2 2 25 25 2 2	27 22 22 0 24 24 22 35 0 26	14 48 2 4 14 41 2 5	23 30 0 0 23 30 0 0	10 47 2 40 10 46 2 40	23 9 0 24 23 9 0 24	0 29 1 28 0 30 1 28	0 59 16 7 0 59 16 7	9 28 9 42 9 29 9 44	9 59 9 56	10 57 6 29 10 57 6 28
S 20 M21 T 22	-	14 34 4 0 19 54 4 37	25 21 2 25 17 2	13 22 59 0 31 6 23 11 0 33	14 26 2 8 14 19 2 10	23 30 0 0 23 30 0 1	10 42 2 39	23 10 0 24 23 10 0 24	0 30 1 28 0 31 1 28 0 31 1 28	0 59 16 6 0 59 16 6	9 30 9 45 9 33 9 46 9 37 9 47	9 50 9 46	10 57 6 28 10 56 6 28 10 56 6 27
W23 T 24 F 25	20 51	26 52 4 59 28 3 4 45	25 3 1 4 24 53 1	48 23 31 0 38 37 23 40 0 40	14 5 2 13 13 58 2 14	23 30 0 1 23 29 0 1 23 29 0 1	10 40 2 39 10 39 2 39	23 10 0 24 23 10 0 24 23 10 0 24	0 32 1 28 0 33 1 28 0 33 1 28	1 0 16 6 1 0 16 6	9 41 9 48 9 46 9 49 9 51 9 51	9 40 9 37	10 56 6 27 10 56 6 26 10 56 6 26
S 27	21 13	25 47 3 36	24 27 1	11 23 56 0 45	13 45 2 17	23 29 0 1 23 29 0 1 23 29 0 1	10 37 2 38	23 11 0 24 23 11 0 24 23 11 0 24	0 33 1 28 0 34 1 28 0 34 1 28		9 55 9 52 9 58 9 53 0 1 9 54	9 30	10 56 6 25 10 55 6 25 10 55 6 25
T 29	21 34	18 44 1 50	23 53 0	39 24 10 0 49	13 31 2 20	23 29 0 1 23 s29 0 s 1	10 34 2 38	23 11 0 24 23 11 0 024 23 11 0 0 0 24	0 35 1 28 0 s35 1n28	1 0 16 5 1 1s 0 16s 5 1	0 2 9 55	9 24	10 55 6 24 10 s55 6n24

 $\label{eq:Julian Day Number = 2311596.5, Delta T = 69.57 sec} \\ Ecliptic obliquity = 23°29'29, Nutation = 0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°23'33, Lahiri = 18°30'34Greg. Calendar$ 

DECEMBER 1616 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)ţ(	<del>,</del>	В	n	Ω	Ç	ķ	Day
T 1		9 <b>x</b> 17'37		20°R25	26 <b>×</b> 5		- T 3 <b>ට</b> 17	4°R24	13°R37	+ 4 <b>Ω</b> 53	8°R 6	4°R 4	4 <del>)(</del> 17			T 1
F 2	4 40 40 4 44 37	10°18'35	6Mp34 18°22	19×728	20 <b>x</b> , 3	1 Mp 11 1°32	3°30	4824 4820	13°K37 13 <b>©</b> 35	4 <b>2</b> 253	88 6	4 K 4	4 <b>π</b> 17 4°14	5 <b>M</b> )47 5°54	12 <b>≈</b> 41 12°43	F 2
S 3	4 44 37	10 18 33 11°19'34	0 <u>₽</u> 16	18°21	28°35	1°53	3°44	4°17	13°33	4°55	8° 5	4° 3	4°11	6° 0	12°46	S 3
S 4	4 52 30	12°20'34	12°21	17° 7	29°50	2°13	3°57	4°14	13°31	4°57	8° 4	3°59	4° 8	6° 7	12°49	S 4
M 5	4 56 26	13°21'36	24°42	15°47	1중 6	2°34	4°11	4°10	13°29	4°58	8° 3	3°53	4° 5	6°14	12°51	M 5
T 6	5 0 23	14°22'38	7 <b>m</b> 21	14°24	2°21	2°53	4°24	4° 7	13°26	4°59	8° 2	3°44	4° 1	6°20	12°54	T 6
W 7	5 4 20	15°23'42	20°23	13° 2	3°36	3°13	4°38	4° 4	13°24	5° 0	8° 1	3°33	3°58	6°27	12°57	W 7
T 8	5 8 16	16°24'46	3×745	11°42	4°51	3°32	4°51	4° 1	13°22	5° 1	8° 0	3°21	3°55	6°34	13° 0	T 8
F 9	5 12 13	17°25'52	17°27	10°27	6° 6	3°50	5° 5	3°58	13°20	5° 2	7°59	3° 8	3°52	6°40	13° 3	F 9
S 10	5 16 9	18°26'58	1 <b>3</b> 26	9°20	7°21	4° 8	5°18	3°56	13°17	5° 3	7°59	2°56	3°49	6°47	13° 6	S 10
S 11	5 20 6	19°28'05	15°35	8°22	8°36	4°26	5°32	3°53	13°15	5° 3	7°58	2°47	3°46	6°54	13° 9	S 11
M12	5 24 2	20°29'12	29°51	7°34	9°51	4°43	5°46	3°50	13°13	5° 4	7°57	2°40	3°42	7° 0	13°12	M12
T 13	5 27 59	21°30'19	14≈ 8	6°57	11° 6	5° 0	5°59	3°48	13°10	5° 5	7°56	2°36	3°39	7° 7	13°15	T 13
W14	5 31 55	22°31'27	28°23	6°31	12°21	5°16	6°13	3°46	13° 8	5° 6	7°55	2°D35	3°36	7°13	13°18	W14
T 15	5 35 52	23°32'35	12 <b>)</b> 33	6°15	13°36	5°32	6°27	3°43	13° 6	5° 7	7°55	2°35	3°33	7°20	13°22	T 15
F 16	5 39 49	24°33'43	26°37	6°D11	14°51	5°48	6°41	3°41	13° 3	5° 7	7°54	2°R35	3°30	7°27	13°25	F 16
S 17	5 43 45	25°34'51	10 <b>Y</b> 35	6°15	16° 6	6° 2	6°54	3°39	13° 1	5° 8	7°53	2°34	3°26	7°33	13°28	S 17
S 18	5 47 42	26°36'00	24°26	6°29	17°21	6°17	7° 8	3°37	12°58	5° 9	7°52	2°31	3°23	7°40	13°32	S 18
M19	5 51 38	27°37'08	8810	6°51	18°36	6°30	7°22	3°35	12°56	5° 9	7°52	2°25	3°20	7°47	13°35	M19
T 20	5 55 35	28°38'17	21°45	7°20	19°51	6°44	7°36	3°33	12°53	5°10	7°51	2°17	3°17	7°53	13°38	T 20
W21	5 59 31	29°39'26	5 <b>I</b> 9	7°56	21° 6	6°56	7°50	3°32	12°51	5°11	7°50	2° 6	3°14	8° 0	13°42	W21
T 22	6 3 28	0 <b>ප්</b> 40'35	18°21	8°38	22°21	7° 9	8° 4	3°30	12°48	5°11	7°50	1°55	3°11	8° 7	13°45	T 22
F 23	6 7 24	1°41'44	19519	9°26	23°36	7°20	8°18	3°29	12°46	5°12	7°49	1°44	3° 7	8°13	13°49	F 23
S 24	6 11 21	2°42'53	14° 2	10°18	24°51	7°31	8°32	3°28	12°43	5°12	7°49	1°34	3° 4	8°20	13°53	S 24
S 25	6 15 18	3°44'02	26°29	11°14	26° 6	7°42	8°46	3°26	12°41	5°13	7°48	1°26	3° 1	8°27	13°56	S 25
M26	6 19 14	4°45'12	8 <b>Ω</b> 43	12°13	27°20	7°52	8°59	3°25	12°38	5°13	7°47	1°21	2°58	8°33	14° 0	M26
T 27	6 23 11	5°46'22	20°44	13°16	28°35	8° 1	9°13	3°24	12°36	5°13	7°47	1°18	2°55	8°40	14° 4	T 27
W28	6 27 7	6°47'32	2 Mp 36	14°22	29°50	8°10	9°27	3°23	12°33	5°14	7°46	1°D17	2°52	8°47	14° 7	W28
T 29	6 31 4	7°48'42	14°24	15°31	1≈ 5	8°18	9°41	3°23	12°30	5°14	7°46	1°18	2°48	8°53	14°11	T 29
F 30	6 35 0	8°49'52	26°11	16°42	2°20	8°25	9°55	3°22	12°28	5°14	7°45	1°19	2°45	9° 0	14°15	F 30
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Julian Day Number = 2311626.5, Delta T = 69.49 sec Ecliptic obliquity = 23°29'29, Nutation =  $0^\circ00'06$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $19^\circ23'37$ , Lahiri =  $18^\circ30'38$ Greg. Calendar