

Astrodienst Ephemeris Tables for the year 1660

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 1660 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	В	r	v	Ç	ķ	Day
T 1	6 41 15	10 ට 25'25	17 Ω 1	27る 0	19ට 1	2°R 6	13°R54	9 M .57	25る 4	6 ප 40	19°R49	12°R11	11 M 0	18947	13 ਰ 11	T 1
F 2	6 45 12	11°26'34	29° 0	28°29	20°17	2 II 2	13 m 53	10° 2	25° 8	6°42	19 Ⅱ 48	12 M 2	10°57	18°54	13°17	F 2
S 3	6 49 9	12°27'43	11 Mp 5	29°56	21°32	1°58	13°52	10° 6	25°11	6°45	19°46	11°55	10°54	19° 1	13°22	S 3
S 4	6 53 5	13°28'52	23°20	1≈21	22°47	1°56	13°52	10°11	25°15	6°47	19°45	11°50	10°51	19° 7	13°28	S 4
M 5	6 57 2	14°30'01	5 Ω 50	2°43	24° 3	1°54	13°50	10°15	25°18	6°49	19°44	11°48	10°47	19°14	13°34	M 5
T 6	7 0 58	15°31'10	18°37	4° 1	25°18	1°53	13°49	10°19	25°21	6°51	19°43	11°D47	10°44	19°21	13°40	T 6
W 7	7 4 55	16°32'19	1 M .48	5°15	26°33	1°D53	13°48	10°24	25°25	6°54	19°42	11°48	10°41	19°28	13°45	W 7
T 8	7 8 5 1	17°33'28	15°25	6°25	27°49	1°54	13°46	10°28	25°28	6°56	19°41	11°R48	10°38	19°34	13°51	T 8
F 9	7 12 48	18°34'37	29°31	7°29	29° 4	1°55	13°44	10°32	25°32	6°58	19°40	11°47	10°35	19°41	13°57	F 9
S 10	7 16 44	19°35'46	14 ₹ 5	8°28	0≈19	1°57	13°42	10°36	25°36	7° 0	19°39	11°43	10°32	19°48	14° 3	S 10
S 11	7 20 41	20°36'55	29° 3	9°19	1°35	2° 0	13°39	10°40	25°39	7° 3	19°38	11°37	10°28	19°55	14° 8	S 11
M12	7 24 38	21°38'03	14 궁 18	10° 2	2°50	2° 4	13°37	10°44	25°43	7° 5	19°37	11°28	10°25	20° 1	14°14	M12
T 13	7 28 34	22°39'11	29°40	10°36	4° 5	2° 8	13°34	10°47	25°46	7° 7	19°36	11°17	10°22	20° 8	14°20	T 13
W14	7 32 31	23°40'18	14≈56	11° 1	5°21	2°13	13°31	10°51	25°50	7° 9	19°35	11° 6	10°19	20°15	14°25	W14
T 15	7 36 27	24°41'24	29°56	11°16	6°36	2°19	13°28	10°55	25°53	7°11	19°34	10°56	10°16	20°21	14°31	T 15
F 16	7 40 24	25°42'29	14) (31	11°R19	7°51	2°25	13°25	10°58	25°57	7°14	19°33	10°48	10°13	20°28	14°37	F 16
S 17	7 44 20	26°43'34	28°37	11°11	9° 6	2°32	13°22	11° 1	26° 0	7°16	19°32	10°43	10° 9	20°35	14°42	S 17
S 18	7 48 17	27°44'37	12 Y 13	10°51	10°22	2°40	13°18	11° 5	26° 4	7°18	19°32	10°40	10° 6	20°42	14°48	S 18
M19	7 52 13	28°45'39	25°21	10°20	11°37	2°49	13°14	11° 8	26° 7	7°20	19°31	10°D39	10° 3	20°48	14°53	M19
T 20	7 56 10	29°46'41	8 8 4	9°38	12°52	2°58	13°10	11°11	26°11	7°22	19°30	10°R39	10° 0	20°55	14°59	T 20
W21	8 0 7	0≈47'41	20°28	8°46	14° 7	3° 7	13° 6	11°14	26°14	7°24	19°29	10°39	9°57	21° 2	15° 5	W21
T 22	8 4 3	1°48'40	2 Ⅱ 37	7°46	15°22	3°18	13° 2	11°17	26°18	7°27	19°28	10°37	9°53	21° 8	15°10	T 22
F 23	8 8 0	2°49'38	14°37	6°38	16°38	3°29	12°58	11°20	26°21	7°29	19°27	10°33	9°50	21°15	15°16	F 23
S 24	8 11 56	3°50'35	26°30	5°27	17°53	3°40	12°53	11°23	26°25	7°31	19°27	10°25	9°47	21°22	15°21	S 24
S 25	8 15 53	4°51'31	89521	4°12	19° 8	3°52	12°48	11°25	26°28	7°33	19°26	10°15	9°44	21°29	15°27	S 25
M26	8 19 49	5°52'25	20°13	2°57	20°23	4° 5	12°43	11°28	26°32	7°35	19°25	10° 2	9°41	21°35	15°32	M26
T 27	8 23 46	6°53'19	2Ω 5	1°44	21°38	4°18	12°38	11°30	26°35	7°37	19°24	9°48	9°38	21°42	15°38	T 27
W28	8 27 42	7°54'11	14° 2	0°35	22°53	4°31	12°33	11°33	26°39	7°39	19°23	9°33	9°34	21°49	15°43	W28
T 29	8 31 39	8°55'03	26° 2	29 궁 30	24° 8	4°46	12°28	11°35	26°42	7°41	19°23	9°18	9°31	21°55	15°48	T 29
F 30	8 35 36	9°55'53	8 Mp 8	2 <u>8</u> °33	25°23	5° 0	12°22	11°37	2 <u>6</u> °46	<u>7°43</u>	19°22	9° 6	9°28	22° 2	1 <u>5</u> °54	F 30
S 31	8 39 32	10≈56'42	20 m 21	27 る 42	26≈38	5 Ⅱ 15	12 m 16	11 M .39	26 궁 49	7 七 45	19 Ⅱ 21	8 M .55	9 m 25	229 9	15 る 59	S 31

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T 1 F 2 S 3	23 s 4 22 59 22 54	7 18 4	4 51	22 s34 22 11	1 43	23 s12 23 2 22 52	1 6	23n12 23 12	2n38 2 39	7n29 7 29	1 14	12 39	2 19	21 s39 21 39	0 30	22 s24 22 24		15 23	7 43	15 s31 15 28	15 8			6n17
S 4 M 5 T 6 W 7 T 8 F 9 S 10	22 48 22 41 22 35 22 27 22 20 22 11 22 3	0 s 5 1 3 5 4 2 9 10 2 12 5 7 (6 11 (18 34 1 19 5 0 2	3 49 2 2 59 2 0 53 0n19 1 33 2 43	18 33	1 29 1 20 1 11 1 0 0 49 0 37 0 23	22 41 22 30 22 18 22 5 21 52 21 38 21 23	1 9 1 11 1 12 1 14 1 15 1 17 1 18	23 11 23 11 23 11 23 11 23 11 23 11 23 11	2 39 2 39 2 39 2 39 2 39 2 39 2 39	7 30 7 31 7 31 7 32 7 33 7 34 7 35 7 36	1 15 1 15 1 15 1 16 1 16 1 16 1 16	12 40 12 41 12 42 12 43 12 45 12 46 12 47 12 48	2 20 2 20 2 20 2 20 2 21 2 21 2 21	21 38 21 37 21 37 21 36 21 36 21 35 21 34 21 34	0 30 0 30 0 30 0 30 0 30 0 30 0 30	22 24 22 24 22 24 22 24 22 24 22 23 22 23 22 23	0 55 0 55 0 55 0 55 0 55 0 55 0 55	15 23 15 23 15 23 15 24 15 24	7 43 7 43 7 43 7 43 7 43 7 43 7 42		15 6 15 5 15 4 15 3 15 2 15 1 15 0	17 23 17 21 17 20 17 19 17 18 17 17 17 15	16 33 16 32 16 32 16 31 16 30 16 30 16 29	6 17 6 17 6 17 6 17 6 17 6 17
_	21 54 21 44 21 34 21 24 21 13 21 2 20 51	18 15 4 15 26 4 11 35 5 7 3 4 2 14 4	4 56 5 1 4 45 4 12	18 6 17 40 17 15 16 52 16 31 16 12 15 57	0n 6 0 23 0 40 0 57 1 15	20 35 20 18	1 20 1 21 1 22 1 23 1 24	23 13 23 14 23 15	2 39 2 39 2 39 2 39 2 39 2 38 2 38	7 37 7 38 7 39 7 41 7 42 7 44 7 45	1 17 1 17 1 18 1 18 1 18		2 21 2 22 2 22 2 22 2 22 2 22	21 33 21 32 21 32 21 31 21 30 21 30 21 29	0 30 0 30 0 30 0 30 0 30	22 23 22 23 22 23 22 23 22 23 22 22 22 22	0 55 0 55 0 55 0 55 0 55	15 24 15 24 15 24	7 42 7 42	15 18 15 15 15 11 15 8 15 5	14 58 14 57 14 56	17 8	16 28 16 27 16 26	6 17 6 17 6 17 6 18 6 18 6 18 6 18
S 18 M19 T 20 W21 T 22 F 23 S 24		11 4 1 14 26 0 17 4 0 18 52 1 19 47 2	1 20 0 14 0 s52 1 53 2 49	15 45 15 36 15 31 15 29 15 30 15 35 15 42	1 52 2 10 2 27 2 43 2 57 3 10 3 21	18 43 18 23 18 1 17 40 17 18	1 27 1 27 1 28 1 29 1 29	23 21 23 23 23 25	2 38 2 38 2 37 2 37 2 37 2 36 2 36	7 47 7 49 7 50 7 52 7 54 7 56 7 58	1 19 1 19	12 57 12 57 12 58 12 59	2 23 2 23 2 23 2 23 2 24	21 28 21 27 21 26 21 26 21 25 21 24	0 30 0 30 0 30 0 31 0 31	22 22 22 22 22 22 22 22 22 22 22 22 22 22 22 22	0 55	15 24 15 24 15 24 15 25 15 25	7 41 7 41 7 41 7 41 7 41 7 40 7 40	15 3 15 3 15 3 15 2 15 1	14 51 14 50 14 49 14 48 14 47	17 4 17 3 17 1		6 18 6 18 6 18 6 19 6 19 6 19 6 19
S 25 M26 T 27 W28 T 29 F 30 S 31	19 5 18 50 18 35 18 19 18 4 17 47 17 s31	17 19 4 14 55 4 11 53 4 8 22 4 4 28 4	4 42 4 57 4 58 4 47 4 22	15 52 16 3 16 16 16 31 16 45 17 1 17s16	3 29 3 34 3 37 3 38 3 37 3 33 3n28	16 9 15 45 15 20 14 56 14 30	1 31 1 31 1 31	23 32 23 34	2 35 2 35 2 35 2 34 2 34 2 33 2n33	8 0 8 2 8 4 8 7 8 9 8 11 8n14	1 20 1 21 1 21 1 21 1 21 1 21 1 n22	13 1 13 1 13 2 13 2 13 3	2 24 2 25 2 25 2 25 2 25 2 25	21 24 21 23 21 22 21 22 21 21 21 20 21 s20	0 31 0 31 0 31 0 31 0 31	22 21 22 21	0 55 0 55 0 55 0 55 0 55 0 55 0 n55	15 25 15 25 15 25 15 25	7 40 7 40 7 40 7 39 7 39	14 51 14 47 14 42 14 37 14 33	14 44 14 43 14 42 14 41 14 40	16 56 16 55 16 54 16 52 16 51 16 50 16n48	16 17 16 17 16 16 16 15	6 19 6 20 6 20 6 20 6 20

Julian Day Number = 2327362.5, Delta T = 36.39 sec Ecliptic obliquity = 23°28'53, Nutation = $0^\circ00'12$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^\circ59'40$, Lahiri = $19^\circ06'41$ Greg. Calendar

FEBRUARY 1660 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)/(¥	Р	P.	Ω	Ç	o k	Day
S 1	8 43 29	11≈57'30	2 <u>₽</u> 43	27°R 0	27≈53	5 Ⅲ 31	12°R11	11 M .41	26 ප 53	7 云 47	19°R21	8°R48	9 M 22	229516	16ට 4	S 1
M 2	8 47 25	12°58'17	15°17	26 궁 26	29° 8	5°47	12 m) 5	11°43	26°56	7°49	19∏20	8 M .44	9°19	22°22	16°10	M 2
T 3	8 51 22	13°59'04	28° 5	26° 1	0 ∺ 23	6° 4	11°58	11°45	27° 0	7°51	19°19	8°43	9°15	22°29	16°15	T 3
W 4	8 55 18	14°59'49	11 M .11	25°43	1°38	6°21	11°52	11°46	27° 3	7°53	19°19	8°43	9°12	22°36	16°20	W 4
T 5	8 59 15	16° 0'33	24°39	25°34	2°53	6°38	11°46	11°48	27° 6	7°55	19°18	8°42	9° 9	22°42	16°25	T 5
F 6	9 3 11	17° 1'16	8 ∡ 32	25°D32	4° 8	6°56	11°39	11°49	27°10	7°57	19°18	8°41	9° 6	22°49	16°30	F 6
S 7	9 7 8	18° 1'59	22°50	25°37	5°23	7°14	11°33	11°51	27°13	7°58	19°17	8°38	9° 3	22°56	16°36	S 7
S 8	9 11 5	19° 2'40	7 云 32	25°49	6°37	7°33	11°26	11°52	27°16	8° 0	19°17	8°31	8°59	23° 3	16°41	S 8
M 9	9 15 1	20° 3'20	22°32	26° 8	7°52	7°52	11°19	11°53	27°20	8° 2	19°16	8°22	8°56	23° 9	16°46	M 9
T 10	9 18 58	21° 3'58	7≈44	26°32	9° 7	8°12	11°12	11°54	27°23	8° 4	19°16	8°11	8°53	23°16	16°51	T 10
W11	9 22 54	22° 4'35	22°55	27° 1	10°22	8°31	11° 5	11°55	27°26	8° 6	19°15	8° 0	8°50	23°23	16°56	W11
T 12	9 26 51	23° 5'11	7 ₩ 56	27°36	11°37	8°52	10°58	11°56	27°30	8° 7	19°15	7°49	8°47	23°29	17° 1	T 12
F 13	9 30 47	24° 5'45	22°36	28°14	12°51	9°12	10°51	11°57	27°33	8° 9	19°14	7°41	8°44	23°36	17° 5	F 13
S 14	9 34 44	25° 6'17	6 Ƴ 50	28°57	14° 6	9°33	10°44	11°57	27°36	8°11	19°14	7°34	8°40	23°43	17°10	S 14
S 15	9 38 40	26° 6'47	20°35	29°44	15°21	9°55	10°36	11°58	27°39	8°13	19°13	7°31	8°37	23°50	17°15	S 15
M16	9 42 37	27° 7'16	3 8 50	0≈35	16°35	10°16	10°29	11°58	27°43	8°14	19°13	7°D30	8°34	23°56	17°20	M16
T 17	9 46 34	28° 7'43	16°40	1°29	17°50	10°38	10°22	11°58	27°46	8°16	19°13	7°30	8°31	24° 3	17°24	T 17
W18	9 50 30	29° 8'07	29° 7	2°25	19° 4	11° 1	10°14	11°59	27°49	8°17	19°12	7°R30	8°28	24°10	17°29	W18
T 19	9 54 27	0₩ 8'30	11 I I18	3°25	20°19	11°23	10° 6	11°59	27°52	8°19	19°12	7°30	8°24	24°16	17°34	T 19
F 20	9 58 23	1° 8'51	23°17	4°27	21°33	11°46	9°59	11°R59	27°55	8°21	19°12	7°27	8°21	24°23	17°38	F 20
S 21	10 2 20	2° 9'10	595 9	5°32	22°48	12° 9	9°51	11°59	27°58	8°22	19°12	7°22	8°18	24°30	17°43	S 21
S 22	10 6 16	3° 9'27	17° 0	6°39	24° 2	12°33	9°43	11°58	28° 1	8°24	19°11	7°14	8°15	24°37	17°47	S 22
M23	10 10 13	4° 9'42	28°51	7°48	25°17	12°57	9°36	11°58	28° 4	8°25	19°11	7° 5	8°12	24°43	17°52	M23
T 24	10 14 9	5° 9'55	10 Ω 47	8°59	26°31	13°21	9°28	11°58	28° 7	8°27	19°11	6°53	8° 9	24°50	17°56	T 24
W25	10 18 6	6°10'07	22°49	10°12	27°45	13°45	9°20	11°57	28°10	8°28	19°11	6°41	8° 5	24°57	18° 0	W25
T 26	10 22 3	7°10'16	4 m 58	11°26	29° 0	14°10	9°12	11°57	28°13	8°29	19°11	6°29	8° 2	25° 4	18° 5	T 26
F 27	10 25 59	8°10'23	17°16	12°43	0 Υ 14	14°35	9° 4	11°56	28°16	8°31	19°11	6°19	7°59	25°10	18° 9	F 27
S 28	10 29 56	9°10'29	29°43	14° 1	1°28	15° 0	8°56	11°55	28°19	8°32	19°10	6°11	7°56	25°17	18°13	S 28
S 29	10 33 52	10) 10'33	12 <u>₽</u> 20	15≈21	2 Υ 42	15 Ⅲ 25	8 m)49	11 M .54	28 궁 22	8 궁 33	19耳10	6 M 6	7 M 53	25924	18 ਰ 17	S 29

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S 1	17 s14	3 s48 2 s	s58 17 s	31 3n21	13 s39	1 s31	23n46	2n32	8n16	1n22	13 s 3	2n26	21 s19	0 s 3 1	22 s21	0n55	15n26	7 s 3 9	14 s28	14s38	16n47	16s13	6n21
M 2	16 57	7 53 2	0 17 4	3 12	13 12	1 30	23 48	2 32	8 18	1 22	13 4	2 26	21 18	0 31	22 20	0 55	15 26	7 39	14 26	14 37	16 46	16 12	6 21
T 3	16 40	11 41 0	56 17 3	9 3 3	12 46	1 30	23 50	2 31	8 21	1 22	13 4	2 26	21 18	0 31	22 20	0 55	15 26	7 38	14 26	14 36	16 44	16 11	6 21
W 4	16 22	15 0 Or	n13 18	3 2 52	12 19	1 30	23 53	2 31	8 24	1 22	13 4	2 26	21 17	0 31	22 20	0 55	15 26	7 38	14 26	14 35	16 43	16 10	6 22
T 5	16 4	17 37 1	23 18 2	25 2 42	11 51	1 30	23 55	2 30	8 26	1 23	13 5	2 27	21 17	0 31	22 20	0 55	15 26	7 38	14 26	14 34	16 42	16 9	6 22
F 6	15 46	19 17 2	31 18 3	2 30	11 24	1 29	23 58	2 30	8 29	1 23	13 5	2 27	21 16	0 31	22 20	0 55	15 26	7 38	14 25	14 33	16 40	16 8	6 22
S 7	15 27	19 47 3	31 18 4	2 18	10 56	1 29	24 1	2 29	8 32	1 23	13 5	2 27	21 15	0 31	22 20	0 55	15 27	7 38	14 24	14 32	16 39	16 7	6 22
S 8	15 8	18 58 4	18 18 3	7 2 6	10 27	1 28	24 3	2 29	8 34	1 23	13 5	2 27	21 15	0 31	22 20	0 55	15 27	7 38	14 22	14 31	16 38	16 6	6 23
M 9	14 49	16 50 4	50 19	5 1 54	9 59	1 27	24 6	2 28	8 37	1 23	13 5	2 28	21 14	0 31	22 20	0 55	15 27	7 37	14 19	14 30	16 36	16 6	6 23
T 10	14 30	13 31 5	1 19	3 1 42	9 30	1 27	24 8	2 28	8 40	1 24	13 5	2 28	21 13	0 31	22 19	0 55	15 27	7 37	14 16	14 29	16 35	16 5	6 23
W11	14 11	9 19 4	51 19	9 1 30	9 1	1 26	24 11	2 27	8 43	1 24	13 5	2 28	21 13	0 31	22 19	0 55	15 27	7 37	14 12	14 28	16 34	16 4	6 24
T 12	13 51	4 35 4	21 19 2	24 1 18	8 32	1 25	24 14	2 27	8 45	1 24	13 5	2 28	21 12	0 31	22 19	0 55	15 27	7 37	14 9	14 27	16 32	16 3	6 24
F 13	13 31	0n20 3	34 19 2	28 1 7	8 2	1 24	24 16	2 26	8 48	1 24	13 5	2 28	21 11	0 31	22 19	0 55	15 28	7 37	14 6	14 26	16 31	16 2	6 24
S 14	13 11	5 5 2	35 19 3	0 55	7 33	1 23	24 19	2 25	8 51	1 24	13 5	2 29	21 11	0 31	22 19	0 55	15 28	7 36	14 4	14 25	16 30	16 1	6 25
S 15	12 50	9 25 1	29 19 3	0 44	7 3	1 22	24 22	2 25	8 54	1 24	13 5	2 29	21 10	0 31	22 19	0 55	15 28	7 36	14 3	14 24	16 28	16 0	6 25
M16	12 30	13 7 0	19 19 3	0 33	6 33	1 21	24 24	2 24	8 57	1 25	13 5	2 29	21 10	0 31	22 19	0 55	15 28	7 36	14 2	14 23	16 27	15 59	6 25
T 17	12 9	16 4 09	s49 19 3	0 22	6 3	1 20	24 27	2 24	9 0	1 25	13 5	2 29	21 9	0 31	22 19	0 55	15 28	7 36	14 2	14 22	16 26	15 58	6 26
W18	11 48	18 10 1	52 19 2	28 0 11	5 32	1 19	24 30	2 23	9 3	1 25	13 5	2 30	21 8	0 31	22 19	0 55	15 28	7 35	14 2	14 21	16 24	15 57	6 26
T 19	11 27	19 22 2	49 19 2	24 0 1	5 2	1 17	24 32	2 23	9 6	1 25	13 5	2 30	21 8	0 31	22 18	0 55	15 29	7 35	14 2	14 20	16 23	15 56	6 26
	11 5	19 41 3	38 19	9 0s 9	4 31	1 16	24 35	2 22	9 9	1 25	13 5	2 30	21 7	0 31	22 18	0 55	15 29	7 35	14 1	14 19	16 22	15 55	6 27
S 21	10 44	19 6 4	17 19	3 0 18	4 0	1 14	24 38	2 21	9 12	1 25	13 4	2 30	21 7	0 31	22 18	0 55	15 29	7 35	14 0	14 18	16 20	15 55	6 27
S 22	10 22	17 42 4	45 19	5 0 28	3 29	1 13	24 40	2 21	9 15	1 25	13 4	2 31	21 6	0 31	22 18	0 55	15 29	7 35	13 57	14 17	16 19	15 54	6 27
M23	10 0	15 32 5	0 18 3	6 0 36	2 58	1 11	24 43	2 20	9 18	1 25	13 4	2 31	21 5	0 31	22 18	0 55	15 29	7 34	13 54	14 16	16 18	15 53	6 28
T 24	9 38	12 43 5	2 18 4	6 0 45	2 27	1 10	24 45	2 20	9 21	1 25	13 3	2 31	21 5	0 31	22 18	0 55	15 30	7 34	13 50	14 15	16 16	15 52	6 28
W25	9 16	9 21 4	51 18 3	0 53	1 56	1 8	24 48	2 19	9 24	1 26	13 3	2 31	21 4	0 31	22 18	0 55	15 30	7 34	13 46	14 14	16 15	15 51	6 29
T 26	8 54	5 34 4	27 18 2	1 1 1	1 25	1 6	24 50	2 19	9 27	1 26	13 3	2 31	21 4	0 31	22 18	0 55	15 30	7 34	13 42	14 13	16 13	15 50	6 29
F 27	8 31	1 30 3	50 18	7 1 8	0 54	1 5	24 52	2 18	9 30	1 26	13 2	2 32	21 3	0 31	22 18	0 55	15 30	7 34	13 39	14 12	16 12	15 49	6 29
S 28	8 9	2 s40 3	2 17 :	1 1 15	0 22	1 3	24 55	2 17	9 33	1 26	13 2	2 32	21 3	0 31	22 17	0 55	15 30	7 33	13 36	14 11	16 11	15 48	6 30
S 29	7 s46	6 s47 2 s	s 3 17 s	1 s22	0n 9	1 s 1	24n57	2n17	9n36	1n26	13 s 1	2n32	21 s 2	0 s 3 1	22 s 1 7	0n55	15n31	7 s33	13 s35	14s10	16n 9	15 s47	6n30

Julian Day Number = 2327393.5, Delta T = 36.33 sec Ecliptic obliquity = 23°28'53, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°59'45, Lahiri = 19°06'45Greg. Calendar

MARCH 1660 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)ţ(¥	В	n	Ω	Ç	ķ	Day
M 1	10 37 49	11 ¥ 10'35	25 º 8	16≈42	3Υ 57	15 ∏ 51	8°R41	11°R53	28 ට 25	8 ට 35	19°R10	6°R 3	7 M .50	25930	18 ට 21	M 1
T 2	10 41 45	12°10'35	8M 8	18° 4	5°11	16°16	8 m 33	11 M .52	28°28	8°36	19 I I10	6°D 3	7°46	25°37	18°25	T 2
W 3	10 45 42	13°10'34	21°22	19°28	6°25	16°42	8°25	11°51	28°30	8°37	19°D10	6M 3	7°43	25°44	18°29	W 3
T 4	10 49 38	14°10'31	4 才 52	20°54	7°39	17° 9	8°17	11°50	28°33	8°38	19°10	6° 4	7°40	25°51	18°33	T 4
F 5	10 53 35	15°10'27	18°40	22°21	8°53	17°35	8°10	11°48	28°36	8°40	19°10	6°R 5	7°37	25°57	18°37	F 5
S 6	10 57 32	16°10'21	2 ප් 46	23°49	10° 7	18° 2	8° 2	11°47	28°38	8°41	19°10	6° 3	7°34	26° 4	18°41	S 6
S 7	11 1 28	17°10'13	17° 9	25°18	11°21	18°29	7°54	11°45	28°41	8°42	19°10	6° 0	7°30	26°11	18°44	S 7
M 8	11 5 25	18°10'04	1≈47	26°49	12°34	18°56	7°47	11°43	28°44	8°43	19°11	5°55	7°27	26°17	18°48	M 8
T 9	11 921	19° 9'53	16°34	28°21	13°48	19°23	7°39	11°42	28°46	8°44	19°11	5°48	7°24	26°24	18°52	T 9
W10	11 13 18	20° 9'40	1 ∺ 23	29°54	15° 2	19°50	7°31	11°40	28°49	8°45	19°11	5°41	7°21	26°31	18°55	W10
T 11	11 17 14	21° 9'25	16° 6	1 ∺ 28	16°16	20°18	7°24	11°38	28°51	8°46	19°11	5°34	7°18	26°38	18°59	T 11
F 12	11 21 11	22° 9'08	0 Υ 34	3° 4	17°30	20°46	7°17	11°36	28°54	8°47	19°11	5°28	7°15	26°44	19° 2	F 12
S 13	11 25 7	23° 8'49	14°42	4°41	18°43	21°14	7° 9	11°33	28°56	8°48	19°11	5°24	7°11	26°51	19° 5	S 13
S 14	11 29 4	24° 8'28	28°26	6°19	19°57	21°42	7° 2	11°31	28°58	8°49	19°12	5°22	7° 8	26°58	19° 9	S 14
M15	11 33 0	25° 8'05	11 8 44	7°58	21°10	22°11	6°55	11°29	29° 1	8°50	19°12	5°D22	7° 5	27° 4	19°12	M15
T 16	11 36 57	26° 7'40	24°38	9°39	22°24	22°39	6°48	11°26	29° 3	8°50	19°12	5°23	7° 2	27°11	19°15	T 16
W17	11 40 54	27° 7'12	7 Ⅱ 10	11°21	23°38	23° 8	6°41	11°24	29° 5	8°51	19°13	5°25	6°59	27°18	19°18	W17
T 18	11 44 50	28° 6'42	19°25	13° 4	24°51	23°37	6°34	11°21	29° 8	8°52	19°13	5°26	6°56	27°25	19°21	T 18
F 19	11 48 47	29° 6'10	19528	14°49	26° 4	24° 6	6°27	11°19	29°10	8°53	19°13	5°R27	6°52	27°31	19°24	F 19
S 20	11 52 43	0 Υ 5'35	13°22	16°35	27°18	24°35	6°20	11°16	29°12	8°54	19°14	5°26	6°49	27°38	19°27	S 20
S 21	11 56 40	1° 4'58	25°14	18°22	28°31	25° 4	6°14	11°13	29°14	8°54	19°14	5°23	6°46	27°45	19°30	S 21
M22	12 0 36	2° 4'19	7 N 7	20°10	29°44	25°34	6° 7	11°10	29°16	8°55	19°14	5°19	6°43	27°52	19°32	M22
T 23	12 4 33	3° 3'37	19° 6	22° 0	0857	26° 4	6° 1	11° 7	29°18	8°55	19°15	5°14	6°40	27°58	19°35	T 23
W24	12 8 29	4° 2'54	1 mp 13	23°51	2°10	26°33	5°55	11° 4	29°20	8°56	19°15	5° 8	6°36	28° 5	19°38	W24
T 25	12 12 26	5° 2'07	13°31	25°44	3°24	27° 3	5°49	11° 1	29°22	8°57	19°16	5° 3	6°33	28°12	19°40	T 25
F 26	12 16 23	6° 1'19	26° 2	27°38	4°37	27°33	5°43	10°58	29°24	8°57	19°16	4°58	6°30	28°18	19°43	F 26
S 27	12 20 19	7° 0'29	8 ≏ 45	29°33	5°49	28° 3	5°37	10°54	29°26	8°58	19°17	4°55	6°27	28°25	19°45	S 27
S 28	12 24 16	7°59'36	21°42	1 Υ 29	7° 2	28°34	5°31	10°51	29°27	8°58	19°17	4°53	6°24	28°32	19°47	S 28
M29	12 28 12	8°58'42	4 M .51	3°27	8°15	29° 4	5°26	10°47	29°29	8°58	19°18	4°D52	6°21	28°39	19°49	M29
T 30	12 32 9	9°57'46	18°13	5°26	9°28	29°35	5°20	10°44	29°31	8°59	19°19	4°53	6°17	28°45	19°52	T 30
W31	12 36 5	10 Y 56'48	1 , 747	7 ℃ 27	10841	099 5	5 M 15	10 M .40	29 る 33	8 궁 59	19∏19	4 M .54	6 M .14	28952	19 る 54	W31

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M 1	7 s23	10 s 39 0 s 5	8 17s16	1 s29	0n40 0	s59 24n59	2n16	9n39	1n26	13 s 1	2n32	21 s 1	0s31	22 s17	0n55	15n31	7 s33	13 s34	14s 9	16n 8	15 s46	6n31
T 2	7 0	14 4 0n1	1 16 56	1 35	1 12 0	57 25 1	2 16	9 42	1 26	13 0	2 33	21 1	0 31	22 17	0 55	15 31	7 33	13 34	14 8	16 7	15 45	6 31
W 3	6 37	16 50 1 2	1 16 35	1 40	1 43 0	55 25 3	2 15	9 45	1 26	13 0	2 33	21 0	0 31	22 17	0 55	15 31	7 33	13 34	14 7	16 5	15 44	6 32
T 4		18 43 2 2			-	53 25 5	2 15	9 48	1 26		2 33			22 17	0 55			13 34		-	15 43	6 32
F 5		19 32 3 2				50 25 7	2 14	9 51	1 26			20 59		22 17	0 55			13 34		-	15 42	6 32
S 6	5 28	19 10 4 1	7 15 25	1 55	3 16 0	48 25 9	2 13	9 54	1 26	12 58	2 33	20 59	0 31	22 17	0 55	15 32	7 32	13 34	14 3	16 1	15 41	6 33
S 7	5 5	17 34 4 5	1 14 58	1 59	3 47 0	46 25 11	2 13	9 57	1 26	12 57	2 34	20 58	0 31	22 17	0 55	15 32	7 32	13 33	14 2	16 0	15 40	6 33
M 8	4 41	14 49 5	7 14 31	2 2	4 18 0	44 25 13	2 12	10 0	1 26	12 56	2 34	20 58	0 31	22 17	0 55	15 32	7 31	13 31	14 1	15 58	15 39	6 34
T 9	4 18	11 5 5	2 14 2	2 6	4 49 0	41 25 15	2 12	10 3	1 26	12 56	2 34	20 57	0 31	22 16	0 55	15 33	7 31	13 29	14 0	15 57	15 38	6 34
W10	3 54	6 41 4 3	7 13 32	2 8	5 20 0	39 25 16	2 11	10 6	1 26	12 55	2 34	20 57	0 31	22 16	0 55	15 33	7 31	13 26	13 59	15 55	15 38	6 35
T 11	3 31	1 54 3 5	4 13 0	2 11 :	5 51 0	36 25 18	2 11	10 8	1 26	12 54	2 34	20 56	0 31	22 16	0 55	15 33		-		15 54		6 35
F 12	3 7	2n56 2 5	7 12 28	2 13	-	34 25 19	2 10	10 11	1 26	12 53	2 35	20 56	0 31	22 16	0 55	15 33				15 53		6 36
S 13	2 44	7 29 1 5	0 11 54	2 14	6 52 0	31 25 21	2 9	10 14	1 26	12 52	2 35	20 55	0 31	22 16	0 55	15 33	7 30	13 21	13 56	15 51	15 35	6 36
S 14	2 20	11 31 0 3	8 11 18	2 15	7 22 0	29 25 22	2 9	10 16	1 26	12 51	2 35	20 55	0 31	22 16	0 55	15 34	7 30	13 20	13 55	15 50	15 34	6 37
M15	1 56	14 50 0s3	5 10 42	2 16	7 52 0	26 25 23	2 8	10 19	1 26	12 51	2 35	20 54	0 31	22 16	0 55	15 34	7 30	13 20	13 54	15 48	15 33	6 37
T 16		17 18 1 4				23 25 24	2 8	-	1 26			20 54		22 16	0 55					15 47		6 38
W17		18 51 2 4		-		21 25 25	2 7		1 26			20 53		22 16	0 55			-		15 46		6 38
T 18		19 28 3 3				18 25 26	2 6		1 26			20 53		22 16	0 55					15 44		6 39
F 19	0 21					15 25 27	2 6		1 26			20 53		22 16	0 55					15 43		6 39
S 20	0n 2	18 1 4 4	9 7 20	2 12 10	0 20 0	13 25 27	2 5	10 32	1 26	12 46	2 36	20 52	0 32	22 16	0 55	15 35	7 29	13 21	13 49	15 41	15 28	6 40
S 21	0 26	16 6 5	7 6 36	2 10 10	0 49 0	10 25 28	2 5	10 34	1 26	12 45	2 36	20 52	0 32	22 16	0 55	15 35	7 29	13 20	13 48	15 40	15 27	6 40
M22	0 50	13 30 5 1	1 5 51	2 7 1	1 17 0	7 25 29	2 4	10 36	1 26	12 44	2 36	20 51	0 32	22 16	0 56	15 36	7 28	13 19	13 47	15 38	15 26	6 41
T 23	1 13	10 20 5	2 5 5	2 4 1	1 46 0		2 4	10 39	1 26	-		20 51		22 15	0 56	15 36				15 37		6 41
W24	1 37	6 42 4 4			2 14 0		2 3	-	1 25			20 51		22 15						15 36		6 42
T 25	2 0		5 3 29			n 2 25 29	2 2		1 25	-		20 50		22 15	0 56			-		15 34	-	6 42
F 26	2 24	1 s 26 3 1		1 52 1			2 2		1 25			20 50		22 15	0 56					15 33		6 43
S 27	2 47	5 36 2 1	8 1 48	1 46 13	3 36 0	8 25 29	2 1	10 47	1 25	12 38	2 37	20 50	0 32	22 15	0 56	15 37	7 27	13 11	13 42	15 31	15 22	6 44
S 28	3 11	9 35 1 1	2 0 57	1 41 1	4 3 0	11 25 29	2 1	10 49	1 25	12 37	2 37	20 49	0 32	22 15	0 56	15 37	7 27	13 10	13 41	15 30	15 21	6 44
M29	3 34	13 10 0	0 0 4	1 34 1	4 30 0	14 25 29	2 0	10 51	1 25	12 36	2 37	20 49	0 32	22 15	0 56	15 37	7 27	13 10	13 39	15 28	15 20	6 45
T 30	3 57	16 7 1n1	3 0n49	1 28 1	4 56 0	17 25 29	2 0	10 53	1 25	12 35	2 37	20 49	0 32	22 15	0 56	15 38	7 27	13 10	13 38	15 27	15 20	6 45
W31	4n20	18s14 2n2	3 1n44	1 s20 1:	5n22 0	n20 25n28	1n59	10n55	1n25	12 s33	2n38	20 s48	0 s32	22 s15	0n56	15n38	7 s27	13 s11	13 s37	15n26	15 s 19	6n46

Julian Day Number = 2327422.5, Delta T = 36.27 sec Ecliptic obliquity = $23^{\circ}28'54$, Nutation = $0^{\circ}00'11$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}59'49$, Lahiri = $19^{\circ}06'49$ Greg. Calendar

APRIL 1660 GC 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	ď	4	ħ)វ(¥	Р	n	Ω	ţ	Ŷ,	Day
T 1	12 40 2	11 Y 55'48	15 ₹ 32	9Υ28	11853	0936	5°R10	10°R37	29 る 34	8 ට 59	19 Ⅲ 20	4 M .55	6 M .11	28959	19 ට 56	T 1
F 2	12 43 58	12°54'46	29°28	11°31	13° 6	1° 7	5 Mp 5	10 M .33	29°36	9° 0	19°20	4°57	6° 8	29° 5	19°58	F 2
S 3	12 47 55	13°53'43	13 云 33	13°35	14°19	1°38	5° 0	10°29	29°37	9° 0	19°21	4°R57	6° 5	29°12	19°59	S 3
S 4	12 51 52	14°52'38	27°47	15°39	15°31	2° 9	4°55	10°26	29°39	9° 0	19°22	4°57	6° 1	29°19	20° 1	S 4
M 5	12 55 48	15°51'31	12≈ 7	17°44	16°44	2°40	4°51	10°22	29°40	9° 0	19°22	4°55	5°58	29°26	20° 3	M 5
T 6	12 59 45	16°50'23	26°29	19°50	17°56	3°12	4°46	10°18	29°42	9° 1	19°23	4°53	5°55	29°32	20° 4	T 6
W 7	13 3 41	17°49'12	10) 49	21°56	19°8	3°43	4°42	10°14	29°43	9° 1	19°24	4°51	5°52	29°39	20° 6	W 7
T 8	13 738	18°48'00	25° 3	24° 2	20°21	4°15	4°38	10°10	29°44	9° 1	19°25	4°49	5°49	29°46	20° 7	T 8
F 9	13 11 34	19°46'46	9 Υ 7	26° 8	21°33	4°46	4°34	10° 6	29°46	9° 1	19°25	4°47	5°46	29°53	20° 9	F 9
S 10	13 15 31	20°45'30	22°55	28°14	22°45	5°18	4°31	10° 2	29°47	9°R 1	19°26	4°46	5°42	29°59	20°10	S 10
S 11	13 19 27	21°44'12	6 8 25	0819	23°57	5°50	4°27	9°57	29°48	9° 1	19°27	4°D46	5°39	0 Ω 6	20°11	S 11
M12	13 23 24	22°42'52	19°35	2°23	25° 9	6°22	4°24	9°53	29°49	9° 1	19°28	4°46	5°36	0°13	20°13	M12
T 13	13 27 20	23°41'30	2 II 26	4°25	26°21	6°54	4°21	9°49	29°50	9° 1	19°29	4°47	5°33	0°19	20°14	T 13
W14	13 31 17	24°40'06	14°59	6°26	27°33	7°26	4°18	9°45	29°51	9° 0	19°30	4°48	5°30	0°26	20°15	W14
T 15	13 35 14	25°38'40	27°16	8°24	28°45	7°58	4°15	9°41	29°52	9° 0	19°31	4°49	5°27	0°33	20°16	T 15
F 16	13 39 10	26°37'11	9920	10°20	29°56	8°30	4°12	9°36	29°53	9° 0	19°31	4°50	5°23	0°40	20°16	F 16
S 17	13 43 7	27°35'41	21°17	12°14	1 II 8	9° 3	4°10	9°32	29°54	9° 0	19°32	4°50	5°20	0°46	20°17	S 17
S 18	13 47 3	28°34'08	3 Ω 10	14° 4	2°20	9°35	4° 8	9°27	29°55	9° 0	19°33	4°R50	5°17	0°53	20°18	S 18
M19	13 51 0	29°32'33	15° 5	15°52	3°31	10°8	4° 6	9°23	29°55	8°59	19°34	4°50	5°14	1° 0	20°18	M19
T 20	13 54 56	0 8 30'56	27° 5	17°36	4°43	10°40	4° 4	9°19	29°56	8°59	19°35	4°50	5°11	1° 6	20°19	T 20
W21	13 58 53	1°29'17	9 m 15	19°16	5°54	11°13	4° 2	9°14	29°57	8°59	19°36	4°49	5° 7	1°13	20°19	W21
T 22	14 2 49	2°27'36	21°38	20°52	7° 5	11°46	4° 1	9°10	29°57	8°58	19°37	4°49	5° 4	1°20	20°20	T 22
F 23	14 6 46	3°25'52	4 ≗ 17	22°25	8°16	12°19	3°59	9° 5	29°58	8°58	19°38	4°49	5° 1	1°27	20°20	F 23
S 24	14 10 43	4°24'07	17°14	23°53	9°27	12°52	3°58	9° 1	29°58	8°58	19°39	4°D48	4°58	1°33	20°20	S 24
S 25	14 14 39	5°22'20	0 M .30	25°17	10°39	13°25	3°57	8°56	29°59	8°57	19°40	4°R48	4°55	1°40	20°20	S 25
M26	14 18 36	6°20'31	14° 2	26°37	11°49	13°58	3°56	8°52	29°59	8°57	19°41	4°48	4°52	1°47	20°R20	M26
T 27	14 22 32	7°18'41	27°51	27°53	13° 0	14°31	3°56	8°47	29°59	8°56	19°43	4°48	4°48	1°54	20°20	T 27
W28	14 26 29	8°16'49	11 ×7 52	29° 4	14°11	15° 4	3°55	8°43	29°59	8°55	19°44	4°48	4°45	2° 0	20°20	W28
T 29	14 30 25	9°14'55	26° 2	0 П 10	15°22	15°37	3°55	8°38	0≈ 0	8°55	19°45	4°48	4°42	2° 7	20°20	T 29
F 30	14 34 22	10813'00	10 ਰ 18	1 Ⅱ 12	16Ⅲ32	169511	3°D55	8MJ34	0≈ 0	8 궁 54	19 Ⅱ 46	4 M .47	4 M .39	2 Ω 14	20중20	F 30

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T 1 F 2 S 3	4n43 5 7 5 29	19 s18 3 n2 s 19 12 4 17 17 55 4 53	3 35	1s13 15n47 1 4 16 12 0 56 16 37	0 26 25	27 1 58	10n57 10 59 11 0	1 25	12 31	2 38	20 s48 20 48 20 47	0 32	22 s15 22 15 22 15	0 56	15n38 15 38 15 39	7 26	13 12	13 s36 13 35 13 34	15 23	15 17	6n46 6 47 6 47
S 4 M 5 T 6 W 7 T 8	6 15 6 38 7 0 7 23	15 32 5 13 12 11 5 13 8 7 4 53 3 35 4 15 1n 7 3 22	3 6 24 3 7 21 5 8 18 2 9 15	0 46 17 1 0 37 17 25 0 27 17 48 0 17 18 11 0 6 18 34	0 38 25 0 41 25 0 44 25	24 1 56 22 1 56 21 1 55 19 1 55	5 11 3 5 11 5 5 11 6 5 11 8	1 24 1 24 1 24 1 24	12 27 12 26 12 24 12 23	2 38 2 38 2 38 2 38	20 47 20 47 20 46 20 46 20 46	0 32 0 32 0 32 0 32	22 15 22 15 22 15 22 15 22 15	0 56 0 56 0 56 0 56	15 39 15 40 15 40	7 26 7 25 7 25 7 25	13 11 13 10 13 10 13 9		15 18 15 17 15 15 15 14	15 15 15 14 15 13 15 12	6 48 6 49 6 49 6 50 6 50
F 9 S 10 S 11	7 45 8 7 8 29	5 43 2 17 9 56 1 5 13 32 0s 9	5 11 7	0n 5 18 56 0 16 19 17 0 27 19 38	0 50 25 0 53 25	16 1 54 14 1 53	11 9 11 10 11 11	1 23 1 23	12 22 12 20 12 19	2 392 39	20 46 20 46 20 45	0 32 0 32	22 1522 1522 15	0 56 0 56 0 56	15 40	7 25 7 25 7 24	138138		15 11 15 9	15 11 15 10	6 51 6 51 6 52
M12 T 13 W14 T 15 F 16 S 17	9 13 9 34 9 56 10 17	18 17 2 27 19 15 3 25 19 16 4 11 18 24 4 46	15 26	0 38 19 59 0 49 20 19 1 0 20 39 1 10 20 58 1 21 21 16 1 31 21 34	0 58 25 1 1 25 1 4 25 1 7 25	10 1 52 8 1 51 5 1 51 3 1 50		1 23 1 23 1 23 1 22	12 13	2 39 2 39 2 39 2 39	20 45 20 45 20 45 20 45 20 44 20 44	0 32 0 32 0 32 0 33	22 15 22 15 22 15 22 15 22 15 22 15 22 15	0 56 0 56 0 56 0 56 0 56 0 56	15 41 15 41 15 42	7 24 7 24 7 24 7 24 7 24 7 23	13 8 13 9 13 9 13 9	13 24 13 23 13 22	15 7 15 5 15 4 15 2	15 8 15 8 15 7	6 53 6 53 6 54 6 54 6 55 6 56
S 18 M19 T 20 W21 T 22 F 23 S 24	10 59 11 20 11 40 12 1 12 21 12 41 13 1		2 19 35 7 20 8 2 20 38	1 40 21 51 1 49 22 8 1 57 22 24 2 5 22 40 2 12 22 54 2 19 23 9 2 24 23 23	1 16 24 1 18 24 1 21 24 1 24 24 1 26 24	54 1 49 51 1 48 48 1 48 44 1 47 41 1 47	11 17 11 18 11 18 11 19 11 19 11 20 11 20	1 22 1 22 1 22 1 21 1 21	12 8 12 6 12 5 12 4 12 2	2 39 2 39 2 39 2 39 2 39	20 44 20 44 20 44 20 44 20 44 20 44 20 44	0 33 0 33 0 33 0 33 0 33	22 15 22 15 22 15 22 15 22 15 22 15 22 15 22 15	0 56 0 56 0 56 0 56	15 43 15 43 15 43 15 43	7 23 7 23 7 23 7 23 7 23 7 22 7 22	13 9 13 9 13 9 13 9 13 9	13 15 13 14	14 58 14 56 14 55 14 53 14 52	15 4 15 4 15 3 15 2 15 2	6 56 6 57 6 57 6 58 6 58 6 59 7 0
S 25 M26 T 27 W28 T 29 F 30	13 59 14 17 14 36	15 16 0n51 17 42 2 4 19 5 3 11 19 18 4 7	4 21 31 21 54 4 22 15 22 33 7 22 48 8 23n 1	2 29 23 36 2 32 23 48 2 35 24 (2 2 37 24 11 2 38 24 21 2n38 24n31	1 34 24 1 37 24 1 39 24 1 42 24	29 1 45 25 1 44 21 1 44 17 1 43	11 20 11 20 11 20 11 20 11 20 11 20 11n20	1 21 1 21 1 20 1 20	11 58 11 56 11 55	2 39 2 39 2 39 2 39	20 43 20 43 20 43 20 43 20 43 20 s43	0 33 0 33 0 33 0 33	22 15 22 15 22 15 22 15 22 15 22 15 22 15	0 56 0 56 0 56 0 56	15 44	7 22 7 21	13 9 13 9 13 9 13 9	13 8 13 7	14 47 14 46 14 44 14 43	15 0 14 59	7 0 7 1 7 1 7 2 7 2 7n 3

Julian Day Number = 2327453.5, Delta T = 36.22 sec Ecliptic obliquity = $23^{\circ}28'53$, Nutation = $0^{\circ}00'10$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}59'53$, Lahiri = $19^{\circ}06'53$ Greg. Calendar

MAY 1660 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(¥	Р	n	v	Ç	Ŗ	Day
S 1	14 38 18	11811'04	24 궁 35	2 П 10	17 Ⅱ 43	16944	3 Mp 55	8°R29	0≈ 1	8°R54	19 Ⅱ 47	4°R47	4 M .36	2 \O 20	20°R19	S 1
S 2	14 42 15	12° 9'06	8≈51	3° 2	18°53	17°18	3°56	8 M 25	0° 1	8 궁 53	19°48	4°D46	4°32	2°27	20 궁 19	S 2
M 3	14 46 12	13° 7'07	23° 3	3°50	20° 4	17°51	3°56	8°20	0° 1	8°52	19°49	4 M 47	4°29	2°34	20°19	M 3
T 4	14 50 8	14° 5'06	7 ∺ 9	4°32	21°14	18°25	3°57	8°16	0°R 1	8°51	19°51	4°47	4°26	2°41	20°18	T 4
W 5	14 54 5	15° 3'04	21° 5	5°10	22°24	18°58	3°58	8°11	0° 1	8°51	19°52	4°48	4°23	2°47	20°17	W 5
T 6	14 58 1	16° 1'01	4 Υ 52	5°43	23°34	19°32	3°59	8° 7	0° 1	8°50	19°53	4°49	4°20	2°54	20°17	T 6
F 7	15 1 58	16°58'57	18°27	6°11	24°44	20° 6	4° 0	8° 2	0° 0	8°49	19°54	4°49	4°17	3° 1	20°16	F 7
S 8	15 5 54	17°56'51	1850	6°34	25°54	20°40	4° 1	7°58	0° 0	8°48	19°55	4°R50	4°13	3° 7	20°15	S 8
S 9	15 9 51	18°54'43	14°59	6°52	27° 4	21°14	4° 3	7°53	0° 0	8°47	19°57	4°50	4°10	3°14	20°14	S 9
M10	15 13 47	19°52'35	27°53	7° 5	28°14	21°48	4° 5	7°49	29 る 59	8°46	19°58	4°49	4° 7	3°21	20°13	M10
T 11	15 17 44	20°50'24	10 Ⅲ 33	7°13	29°23	22°22	4° 7	7°45	29°59	8°46	19°59	4°47	4° 4	3°28	20°12	T 11
W12	15 21 41	21°48'13	22°59	7°R16	0933	22°56	4° 9	7°40	29°59	8°45	20° 0	4°45	4° 1	3°34	20°11	W12
T 13	15 25 37	22°45'59	59913	7°14	1°42	23°30	4°11	7°36	29°59	8°44	20° 2	4°42	3°58	3°41	20° 9	T 13
F 14	15 29 34	23°43'45	17°16	7° 8	2°51	24° 4	4°13	7°32	29°58	8°43	20° 3	4°39	3°54	3°48	20° 8	F 14
S 15	15 33 30	24°41'28	29°12	6°57	4° 1	24°39	4°16	7°28	29°58	8°42	20° 4	4°37	3°51	3°55	20° 7	S 15
S 16	15 37 27	25°39'10	11 Ω 5	6°42	5°10	25°13	4°19	7°23	29°57	8°41	20° 6	4°35	3°48	4° 1	20° 5	S 16
M17	15 41 23	26°36'50	22°59	6°23	6°18	25°47	4°22	7°19	29°56	8°39	20° 7	4°D34	3°45	4° 8	20° 4	M17
T 18	15 45 20	27°34'29	4 m 59	6° 1	7°27	26°22	4°25	7°15	29°56	8°38	20° 8	4°35	3°42	4°15	20° 2	T 18
W19	15 49 16	28°32'06	17° 8	5°35	8°36	26°56	4°28	7°11	29°55	8°37	20° 9	4°36	3°38	4°21	20° 0	W19
T 20	15 53 13	29°29'42	29°32	5° 7	9°45	27°31	4°32	7° 7	29°54	8°36	20°11	4°37	3°35	4°28	19°59	T 20
F 21	15 57 10	0 Ⅲ 27'16	12 ≏ 14	4°36	10°53	28° 5	4°35	7° 3	29°53	8°35	20°12	4°39	3°32	4°35	19°57	F 21
S 22	16 1 6	1°24'49	25°18	4° 4	12° 1	28°40	4°39	6°59	29°53	8°34	20°14	4°40	3°29	4°42	19°55	S 22
S 23	16 5 3	2°22'21	8 M .46	3°31	13° 9	29°15	4°43	6°55	29°52	8°33	20°15	4°R40	3°26	4°48	19°53	S 23
M24	16 8 59	3°19'51	22°36	2°57	14°17	29°49	4°47	6°51	29°51	8°31	20°16	4°39	3°23	4°55	19°51	M24
T 25	16 12 56	4°17'21	6 才 48	2°23	15°25	0 Ω 24	4°52	6°48	29°50	8°30	20°18	4°37	3°19	5° 2	19°49	T 25
W26	16 16 52	5°14'49	2 <u>1</u> °16	1°50	16°33	0°59	4°56	6°44	29°49	8°29	20°19	4°33	3°16	5° 9	19°47	W26
T 27	16 20 49	6°12'16	5 궁 55	1°19	17°41	1°34	5° 1	6°40	29°48	8°28	20°20	4°29	3°13	5°15	19°45	T 27
F 28	16 24 45	7° 9'43	20°36	0°48	18°48	2° 9	5° 6	6°37	29°47	8°26	20°22	4°24	3°10	5°22	19°42	F 28
S 29	16 28 42	8° 7'09	5≈14	0°21	19°55	2°44	5°10	6°33	29°45	8°25	20°23	4°20	3° 7	5°29	19°40	S 29
S 30	16 32 39	9° 4'34	19°43	29 8 55	21° 2	3°19	5°16	6°30	29°44	8°24	20°25	4°17	3° 4	5°35	19°38	S 30
M31	16 36 35	10 Ⅱ 1'58	3 ∺ 59	29 8 33	2299 9	3 Ω 54	5 m 21	6 M 26	29 る 43	8 궁 22	20 Ⅲ 26	4°D16	3 M 0	5 Ω 42	19 る 35	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n13	16s 8	5n12	23n12	2n37	24n40	1n46	24n 7	1n42	11n20	1n20	11s51	2n39	20 s43	0 s33	22 s15	0n56	15n45	7 s21	13 s 8	13s 4	14n40	14s57	7n 4
S 2	15 31	12 59	5 16	23 20	2 35	24 49	1 48	24 3	1 42	11 19	1 20	11 49	2 39	20 43	0 33	22 15	0 56	15 46	7 21	13 8	13 3	14 38	14 57	7 4
M 3	15 48	9 7	-	23 27	2 32					11 19		11 48		20 43		22 15	0 56			13 8			14 56	
T 4	16 6	4 45		23 31	2 28		1 53			11 19		11 47		20 43		22 15	0 56		7 21				14 56	
W 5 T 6	16 23 16 40	0 11 4n22		23 3223 32	2 23	25 10 25 16	1 55	23 47 23 42		11 18 11 18		11 45 11 44		20 43 20 43		22 15 22 15	0 56 0 56		7 21 7 20			14 34 14 32	14 55	7 6 7 6
F 7	16 56			23 32		25 21	1 59			11 17		11 44		20 43		22 15	0 56		7 20			14 32		7 7
S 8				23 26		25 26	2 1			11 16		11 41		20 44		22 15		15 47	7 20				14 54	
S 9	17 29	15 28	0s56	23 19	1 51	25 29	2 2	23 25	1 38	11 15	1 18	11 40	2.38	20 44	0 33	22 15	0 56	15 47	7 20	13 9	12.56	14 28	14 54	7 8
M10		17 43		23 11	1 41		2 4			11 15		11 39		20 44		22 15	0 56		7 20			14 26	-	7 9
T 11	18 0	19 1	3 5	23 1	1 29	25 34	2 6	23 13	1 37	11 14	1 18	11 37	2 38	20 44	0 33	22 15	0 56	15 48	7 20	13 8	12 54	14 24	14 53	7 9
W12		19 23		22 49	1 17		2 7	-		11 13		11 36		20 44		22 15	0 57	15 48	7 20			14 23		7 10
T 13		18 49		22 36	1 3		2 9			11 12		11 35		20 44		22 15			7 19			14 21		7 10
F 14 S 15		17 24 15 14	5 1 5 13	22 20 22 4		25 37		22 54 22 47		11 11		11 33		20 44		22 15 22 15		15 48 15 48	7 19 7 19			14 20		7 11 7 11
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S 16	19 12	-	-	21 45		25 35		22 41	1 34			11 31		20 45		22 15		15 49	7 19		_	14 17	_	7 12
M17 T 18	19 26 19 39	9 10 5 29		21 26 21 6	0 1	25 33 25 31		22 34 22 27	1 34 1 33	11 7 11 6	-	11 30 11 28		20 45 20 45		22 15 22 15	0 57 0 57		7 19 7 19			14 15 14 14	-	7 12 7 13
W19	19 52	1 32	-	-	0 33			22 19	1 33	11 4		11 27		20 45		22 16	0 57		7 19			14 12	-	7 13
T 20	20 5	2 s 3 5		20 22		25 24		22 12				11 26		20 45		22 16			7 19			14 11		7 14
F 21	20 17	6 41	2 0	19 59	1 8	25 19	2 18	22 5	1 32	11 1	1 16	11 25	2 37	20 45	0 34	22 16	0 57	15 50	7 19	13 6	12 43	14 9	14 50	7 14
S 22	20 29	10 36	0 51	19 36	1 25	25 14	2 18	21 57	1 31	11 0	1 16	11 24	2 37	20 46	0 34	22 16	0 57	15 50	7 19	13 6	12 42	14 8	14 50	7 15
S 23	20 40	14 5	0n22	19 13	1 42	25 8	2 19	21 49	1 31	10 58	1 16	11 23	2 37	20 46	0 34	22 16	0 57	15 50	7 18	13 6	12 41	14 6	14 50	7 15
M24	20 52	16 54	1 37	18 50	1 59	25 1		21 42		10 57	1 16	11 22	2 37	20 46	0 34	22 16	0 57	15 50	7 18	13 6	12 40	14 4	14 49	7 16
T 25	21 2			18 28	2 15	-		-				11 20		20 46		22 16	0 57		7 18		12 39		14 49	7 16
	-		3 48	18 6	2 31	-		21 26				11 19		20 47		22 16	0 57		7 18		12 38		14 49	7 17
T 27 F 28	-	18 47 16 55		17 46 17 26		24 38 24 29	2 20	21 17 21 9		10 51 10 49		11 18 11 17		20 47 20 47		22 16 22 16	0 57 0 57		7 18 7 18		12 36	14 0	14 49 14 49	7 17 7 18
	21 42		5 12			24 19	2 20			10 47		11 16		20 47		22 16		15 51				13 57		7 18
S 30	21 51	10 10	5 0	16 52	3 23	24 8	2 20	20 52	1 27	10 45	1 14	11 15	2 36	20 48	0 34	22 16	0 57	15 51	7 18	12 58	12 33	13 55	14 49	7 18
	22n 0			16n37		23n57		20n43		10n43		11 s14		20 s48		22 s16		15n51					14 s48	

 $\label{eq:Julian Day Number = 2327483.5, Delta T = 36.16 sec} \\ Ecliptic obliquity = 23°28'53, Nutation = 0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°59'57, Lahiri = 19°06'57Greg. Calendar$

JUNE 1660 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(¥	Р	u	Ω	Ç	ę,	Day
T 1	16 40 32	10П59'22	17) 58	29°R15	239916	4 Ω 29	5 m 26	6°R23	29°R42	8°R21	20Ⅱ27	4 M .16	2 M .57	5 Ω 49	19°R33	T 1
W 2	16 44 28	11°56'45	1 Υ 42	29 8 0	24°23	5° 4	5°32	6ML20	29 궁 40	8 궁 19	20°29	4°17	2°54	5°56	19 궁 30	W 2
T 3	16 48 25	12°54'07	15° 9	28°49	25°29	5°39	5°37	6°17	29°39	8°18	20°30	4°18	2°51	6° 2	19°27	T 3
F 4	16 52 21	13°51'29	28°22	28°43	26°36	6°15	5°43	6°14	29°38	8°17	20°32	4°R20	2°48	6° 9	19°25	F 4
S 5	16 56 18	14°48'51	11822	28°D41	27°42	6°50	5°49	6°10	29°36	8°15	20°33	4°19	2°44	6°16	19°22	S 5
S 6	17 0 14	15°46'12	24° 9	28°43	28°48	7°25	5°55	6° 7	29°35	8°14	20°34	4°18	2°41	6°22	19°19	S 6
M 7	17 4 11	16°43'32	6 Ⅱ 45	28°50	29°54	8° 1	6° 1	6° 5	29°33	8°12	20°36	4°14	2°38	6°29	19°17	M 7
T 8	17 8 8	17°40'52	19°10	29° 1	0 Ω 59	8°36	6° 8	6° 2	29°32	8°11	20°37	4° 8	2°35	6°36	19°14	T 8
W 9	17 12 4	18°38'11	19925	29°17	2° 5	9°12	6°14	5°59	29°30	8° 9	20°39	4° 1	2°32	6°43	19°11	W 9
T 10	17 16 1	19°35'29	13°32	29°37	3°10	9°47	6°21	5°56	29°28	8° 8	20°40	3°53	2°29	6°49	19° 8	T 10
F 11	17 19 57	20°32'47	25°32	0 I 2	4°15	10°23	6°28	5°54	29°27	8° 6	20°41	3°44	2°25	6°56	19° 5	F 11
S 12	17 23 54	21°30'04	$7\Omega_{26}$	0°31	5°20	10°58	6°35	5°51	29°25	8° 5	20°43	3°36	2°22	7° 3	19° 2	S 12
S 13	17 27 50	22°27'20	19°17	1° 5	6°24	11°34	6°42	5°49	29°23	8° 3	20°44	3°30	2°19	7°10	18°59	S 13
M14	17 31 47	23°24'36	1 m) 10	1°43	7°29	12°10	6°49	5°47	29°21	8° 2	20°46	3°25	2°16	7°16	18°56	M14
T 15	17 35 43	24°21'50	13° 7	2°26	8°33	12°45	6°56	5°44	29°20	8° 0	20°47	3°23	2°13	7°23	18°52	T 15
W16	17 39 40	25°19'04	25°14	3°12	9°37	13°21	7° 4	5°42	29°18	7°58	20°49	3°D22	2°10	7°30	18°49	W16
T 17	17 43 37	26°16'18	7 ≏ 35	4° 3	10°40	13°57	7°11	5°40	29°16	7°57	20°50	3°22	2° 6	7°36	18°46	T 17
F 18	17 47 33	27°13'31	20°15	4°58	11°44	14°33	7°19	5°38	29°14	7°55	20°51	3°23	2° 3	7°43	18°43	F 18
S 19	17 51 30	28°10'43	3 M .19	5°56	12°47	15° 9	7°27	5°36	29°12	7°54	20°53	3°R24	2° 0	7°50	18°39	S 19
S 20	17 55 26	29° 7'54	16°50	6°59	13°50	15°45	7°35	5°35	29°10	7°52	20°54	3°23	1°57	7°57	18°36	S 20
M21	17 59 23	09 5'06	0 ∡ 748	8° 6	14°52	16°21	7°43	5°33	29° 8	7°51	20°56	3°20	1°54	8° 3	18°33	M21
T 22	18 3 19	1° 2'17	15°13	9°16	15°55	16°57	7°51	5°31	29° 6	7°49	20°57	3°15	1°50	8°10	18°29	T 22
W23	18 7 16	1°59'27	2 <u>9</u> °59	10°30	16°57	17°33	7°59	5°30	29° 4	7°47	20°58	3° 8	1°47	8°17	18°26	W23
T 24	18 11 12	2°56'38	15 る 0	11°48	17°58	18° 9	8° 8	5°28	29° 2	7°46	21° 0	3° 0	1°44	8°24	18°22	T 24
F 25	18 15 9	3°53'48	0≈ 6	13°10	19° 0	18°45	8°16	5°27	29° 0	7°44	21° 1	2°51	1°41	8°30	18°19	F 25
S 26	18 19 6	4°50'58	15° 6	14°35	20° 1	19°21	8°25	5°26	28°58	7°42	21° 3	2°43	1°38	8°37	18°15	S 26
S 27	18 23 2	5°48'09	29°53	16° 4	21° 2	19°57	8°33	5°25	28°56	7°41	21° 4	2°36	1°35	8°44	18°12	S 27
M28	18 26 59	6°45'19	14 米 20	17°36	22° 2	20°34	8°42	5°23	28°54	7°39	21° 5	2°32	1°31	8°50	18° 8	M28
T 29	18 30 55	7°42'30	28°25	19°12	23° 2	21°10	8°51	5°23	28°51	<u>7</u> °38	21° 7	2°30	1°28	8°57	1 <u>8</u> ° 5	T 29
W30	18 34 52	8939'41	12 ° 6	20∏52	24Ω 2	$21\Omega 46$	9MD 0	5 M 22	28 궁 49	7 云 36	21 II 8	2°D30	1 M 25	9Ω 4	18중 1	W30

Day	0	J		ζ	5	ç)	ď	7	2	4	ŧ	1);	ł(4		Р	1	n	U	ţ	ď	;
	decl	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 8	1 s 1 8	3n46	16n25	3 s42	23n46	2n20	20n34	1n26	10n41	1n14	11s14	2n35	20 s48	0s34	22 s16	0n57	15n52	7s18	12 s58	12s31	13n52	14 s48	7n19
W 2	22 16	-	-	16 14		23 34		20 25			1 14	11 13		20 49		22 17	0 57			12 58			-	7 20
T 3	22 23			16 5	3 56		-	20 16	1 25			11 12		20 49		22 17	0 57			12 59	-	-	14 48	7 20
F 4		11 25	0 32	15 59	4 1		2 18	20 7	1 25			11 11		20 49		22 17	0 57	15 52		12 59			14 48	7 20
S 5	22 37	14 40	0s38	15 55	4 5	22 54	2 17	19 57	1 24	10 32	1 13	11 10	2 35	20 50	0 34	22 17	0 57	15 52	7 17	12 59	12 27	13 46	14 48	7 21
S 6	22 43	17 8	-	15 52		22 39	-	19 48		10 29		11 9	2 34	20 50	0 34	22 17	0 57	15 52	7 17	12 58	12 26	13 44	14 48	7 21
M 7	,		-	15 52		22 25	-	19 38		10 27	1 13	-		20 50		22 17		15 53				13 43		7 22
T 8	22 55			15 54	4 10			19 28	1 23					20 51		22 17		15 53				13 41		7 22
W 9	-		-	15 58		21 53	-	19 18	1 22		1 13			20 51		22 17						13 39		7 22
T 10		-	-	16 4		21 37			1 22					20 51		22 17						13 38		7 23
F 11	23 9			16 12		21 20		18 58	1 21	10 17				20 52		22 17						13 36		7 23
S 12	23 12	13 30	5 7	16 22	4 1	21 2	2 8	18 48	1 20	10 14	1 12	11 5	2 33	20 52	0 34	22 17	0 57	15 53	7 17	12 44	12 19	13 35	14 49	7 23
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T 15	23 22	3 0	3 57	17 1	3 45	20 7	2 2	18 16	1 19	10 5	1 12	11 4	2 32	20 53	0 34	22 18	0 57	15 54	7 17	12 40	12 16	13 30	14 49	7 24
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S 20	23 29	15 45	1n11	18 30	3 3	18 27	1 50	17 22	1 16	9 50	1 11	11 2	2 31	20 55	0 35	22 18	0 57	15 54	7 17	12 40	12 10	13 22	14 50	7 25
M21	23 29	18 3	2 21	18 51	2 53	18 6	1 47	17 10	1 16	9 47	1 11	11 1	2 31	20 56	0 35	22 18	0 57	15 54	7 17	12 39	12 9	13 20	14 50	7 26
T 22	23 29	19 17	3 24	19 12	2 43	17 45	1 44	16 59	1 15	9 44	1 11	11 1	2 31	20 56	0 35	22 18	0 57	15 55		12 37	-	13 19	14 50	7 26
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S 26	23 24	11 36	4 57	20 39	1 57	16 16	1 30	16 12	1 13	9 31	1 10	11 0	2 30	20 58	0 35	22 19	0 57	15 55	7 17	12 26	12 4	13 12	14 51	7 27
S 27	23 21	7 18	4 31	21 1	1 45	15 53	1 27	16 0	1 13	9 27	1 10	11 0	2 29	20 58	0 35	22 19	0 57	15 55	7 17	12 24	12 3	13 11	14 52	7 27
M28	23 19	2 41	3 47	21 22	1 33	15 30	1 23	15 48	1 12	9 24	1 10	11 0	2 29	20 59	0 35	22 19	0 57	15 55	7 17	12 23	12 1	13 9	14 52	7 27
T 29	23 15	1n59	2 51	21 43	1 20	15 6	1 19	15 36	1 12	9 21	1 10	11 0	2 29	20 59	0 35	22 19	0 57	15 55	7 17	12 22	12 0	13 7	14 52	7 27
W30	23n12	6n25	1n47	22n 3	1 s 8	14n42	1n15	15n24	1n11	9n17	1n10	11s 0	2n29	21s 0	0s35	22 s 19	0n57	15n55	7s17	$12\mathrm{s}22$	11 s59	13n 6	14 s53	7n27

Julian Day Number = 2327514.5, Delta T = 36.10 sec Ecliptic obliquity = $23^{\circ}28'52$, Nutation = $0^{\circ}00'09$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}00'01$, Lahiri = $19^{\circ}07'02$ Greg. Calendar

JULY 1660 GC 00:00 UT

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		10°34'05 11°31'17	21° 9	24°20 26° 9	26°59	22°39 23°35	9°19	5°20	28°43	7°31	21°11	2°29	1°19	9°17	17°50	F 2 S 3
S 3	18 46 41	11-31-1/	21- 9	20 9	20-39	25-33	9-28	5-20	28-43	/-31	21-12	2-29	1-10	9-24	17-30	5 3
S 4	18 50 38	12°28'30	3 Ⅱ 40	28° 1	27°58	24°12	9°37	5°19	28°40	7°29	21°14	2°25	1°12	9°31	17°47	S 4
M 5	18 54 35	13°25'43	16° 0	29°56	28°56	24°49	9°47	5°19	28°38	7°28	21°15	2°19	1° 9	9°37	17°43	M 5
T 6	18 58 31	14°22'56	28°12	1953	29°53	25°25	9°57	5°18	28°36	7°26	21°16	2°10	1° 6	9°44	17°39	T 6
W 7	19 2 28	15°20'10	109517	3°53	0 m 50	26° 2	10° 6	5°18	28°33	7°25	21°18	1°58	1° 3	9°51	17°36	W 7
T 8	19 6 24	16°17'24	22°16	5°55	1°47	26°38	10°16	5°D18	28°31	7°23	21°19	1°45	1° 0	9°58	17°32	T 8
F 9	19 10 21	17°14'38	4 Ω 11	7°59	2°43	27°15	10°26	5°18	28°29	7°21	21°20	1°32	0°56	10° 4	17°29	F 9
S 10	19 14 17	18°11'53	16° 3	10° 4	3°39	27°52	10°36	5°18	28°26	7°20	21°22	1°20	0°53	10°11	17°25	S 10
S 11	19 18 14	19° 9'08	27°54	12°10	4°34	28°29	10°46	5°19	28°24	7°18	21°23	1° 9	0°50	10°18	17°21	S 11
M12	19 22 10	20° 6'23	9 m /46	14°17	5°28	29° 6	10°56	5°19	28°22	7°17	21°24	1° 0	0°47	10°25	17°18	M12
T 13	19 26 7	21° 3'38	21°43	16°25	6°22	29°42	11° 7	5°19	28°19	7°15	21°25	0°55	0°44	10°31	17°14	T 13
W14	19 30 4	22° 0'53	3 <u>₽</u> 48	18°33	7°16	0 m 19	11°17	5°20	28°17	7°14	21°27	0°52	0°41	10°38	17°10	W14
T 15	19 34 0	22°58'09	16° 7	20°42	8° 9	0°56	11°27	5°20	28°15	7°12	21°28	0°51	0°37	10°45	17° 7	T 15
F 16	19 37 57	23°55'25	28°43	22°49	9° 1	1°33	11°38	5°21	28°12	7°11	21°29	0°51	0°34	10°51	17° 3	F 16
S 17	19 41 53	24°52'41	11 M .43	24°57	9°53	2°10	11°48	5°22	28°10	7° 9	21°30	0°50	0°31	10°58	17° 0	S 17
S 18	19 45 50	25°49'58	25° 9	27° 4	10°44	2°47	11°59	5°23	28° 7	7° 7	21°32	0°49	0°28	11° 5	16°56	S 18
M19	19 49 46	26°47'15	9 × 7 5	29° 9	11°35	3°24	12°10	5°24	28° 5	7° 6	21°33	0°45	0°25	11°12	16°52	M19
T 20	19 53 43	27°44'33	23°30	1Ω14	12°25	4° 2	12°21	5°25	28° 3	7° 4	21°34	0°39	0°22	11°18	16°49	T 20
W21	19 57 39	28°41'51	8 ට 21	3°18	13°14	4°39	12°31	5°26	28° 0	7° 3	21°35	0°31	0°18	11°25	16°45	W21
T 22	20 1 36	29°39'09	23°31	5°20	14° 2	5°16	12°42	5°27	27°58	7° 2	21°36	0°20	0°15	11°32	16°42	T 22
F 23	20 5 33	0 Ω 36′29	8≈50	7°21	14°50	5°53	12°53	5°29	27°55	7° 0	21°37	0°10	0°12	11°38	16°38	F 23
S 24	20 9 29	1°33'49	24° 6	9°20	15°36	6°31	13° 5	5°30	27°53	6°59	21°39	29 ჲ 59	0° 9	11°45	16°35	S 24
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M26	20 17 22	3°28'32	23°49	13°14	17° 7	7°45	13°27	5°33	27°48	6°56	21°41	29°46	0° 2	11°59	16°28	M26
T 27	20 21 19	4°25'55	8 Υ 4	15° 9	17°52	8°23	13°38	5°35	27°46	6°54	21°42	29°43	29 2 59	12° 5	16°25	T 27
W28	20 25 15	5°23'19	21°51	17° 2	18°35	9° 0	13°50	5°37	27°43	6°53	21°43	29°42	29°56	12°12	16°21	W28
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F 30	20 33 8	7°18'12	18° 8	20°44	19°59	10°15	14°12	5°41	27°39	6°50	21°45	29°41	29°50	12°26	16°15	F 30
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42 19 18 4 10 23 33 0n 5 12 15 0 46 14 8 1 8 22 36 18 26 4 40 23 42 0 17 11 50 0 41 13 55 1 8 22 29 16 45 4 57 23 48 0 27 11 25 0 36 13 42 1 7 22 22 14 23 5 0 23 52 0 38 10 59 0 30 13 29 1 7 22 15 11 25 4 51 23 53 0 47 10 34 0 24 13 16 1 6 22 7 8 1 4 29 23 52 0 56 10 8 0 18 13 3 1 6 1 6 2 1 5 0 0 22 3 11 23 40 1 12 9 17 0 6 12 36 1 5 2 1 1 1 1 1 4 28 0n57 22 45 1 36 7 34 0 21 11 42 1 3 3 1 1 1 1 4 28 0n57 22 45 1 36 7 34 0 21 11 42 1 3 3 1 1 1 1 1 4 28 0n57 22 4 5 1 36 7 34 0 21 11 42 1 3 3 1 1 1 1 1 4 28 0n57 22 4 5 1 23 5 1 3 1 23 40 1 1 2 9 17 0 6 12 36 1 5 1 3 1 1 1 1 4 28 0n57 22 4 5 1 36 7 34 0 21 11 42 1 3 3 1 1 1 1 1 4 28 0n57 22 4 5 1 23 7 1 45 6 16 0 42 11 0 1 1 1 20 20 27 18 35 4 38 21 11 1 4 6 5 50 0 50 10 46 1 0 20 3 13 18 4 57 20 12 1 47 4 59 1 5 10 17 0 5 18 19 19 19 4 0 21 37 1 45 6 16 0 42 11 0 1 1 1 20 20 37 18 35 33 33 30 34 34 34 31 31 31 30 30 34 34 34 34 34 34 34 34 34 34 34 34 34	23n 8 10n26 0n38 22n21 0s55 14n18 1n10 15n12 1n11 9n13 1n10 22 34 13 50 0s31 22 39 0 43 13 54 1 6 14 59 1 10 9 10 1 9 22 59 16 31 1 37 22 55 0 30 13 30 1 1 14 47 1 10 9 6 1 9 22 54 18 21 2 37 23 10 0 18 13 5 0 56 14 34 1 9 9 3 1 9 22 48 19 17 3 29 23 23 0 6 12 40 0 51 14 21 1 9 8 59 1 9 22 42 19 18 4 10 23 33 0n 5 12 15 0 46 14 8 1 8 8 55 1 9 22 24 21 9 18 4 10 23 33 0n 5 12 15 0 46 14 8 1 8 8 55 1 9 22 29 16 45 4 57 23 48 0 27 11 25 0 36 13 42 1 7 8 47 1 9 22 29 16 45 4 57 23 48 0 27 11 25 0 36 13 42 1 7 8 47 1 9 22 22 14 23 5 0 23 52 0 38 10 59 0 30 13 29 1 7 8 44 1 9 22 25 15 11 25 4 51 23 53 0 47 10 34 0 24 13 16 1 6 8 40 1 8 22 7 8 1 4 29 23 52 0 56 10 8 0 18 13 3 1 6 8 36 1 8 21 50 0 22 3 11 23 40 1 12 9 17 0 6 12 36 1 5 8 28 1 8 21 41 3 337 2 18 23 30 1 19 8 51 0s 0 12 23 1 4 8 24 1 8 21 1 1 14 28 0n57 22 45 1 36 7 34 0 21 11 42 1 3 8 16 1 8 21 1 8 21 1 1 1 4 28 0n57 22 45 1 36 7 34 0 21 11 42 1 3 8 11 1 8 21 1 1 1 4 28 0n57 22 45 1 36 7 34 0 21 11 42 1 3 8 11 1 8 21 11 14 28 0n57 22 45 1 36 7 34 0 21 11 42 1 3 8 11 1 8 20 1 18 14 14 15 14 15 15 15 15 17 7 19 17 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4 0 35 22 20 0 57 22 7 1 1 25 0 36 12 12 50 1 5 8 8 32 1 8 11 2 2 2 52 1 6 0 35 22 20 0 57 22 2 1 1 1 23 35 3 0 47 1 0 34 0 24 13 16 1 6 8 40 1 8 11 1 2 2 6 21 5 0 35 22 20 0 57 22 7 1 1 25 0 36 12 12 50 1 1 5 8 8 28 1 8 11 2 2 2 52 1 6 0 35 22 20 0 57 22 1 1 1 1 1 1 2 26 21 5 0 35 22 20 0 57 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	23. 8 10n26 0n38 22n21 0s55 14n18 1n10 15n12 1n11 9n13 1n10 11 s 0 2n28 21 s 0 0s35 22s19 0n57 15n55 7s17 22 s 9 16 31 1 37 22 55 0 30 13 30 1 1 1 4 7 1 10 9 6 1 9 11 0 2 28 21 1 0 35 22 19 0 57 15 56 7 17 22 54 18 21 2 37 23 10 0 18 13 5 0 0 1 1 1 1 1 1 1 1	23n 8 10n26	23. 8 10n26 0n38 22n21 0s55 14n18 1n10 15n12 1n11 9n13 1n10 11s 0 2n28 21s 0 0s35 22s 19 0s7 15n55 7s7 12s 22 11s 58 13n 4 12s 25 13s 25

Julian Day Number = 2327544.5, Delta T = 36.05 sec Ecliptic obliquity = 23°28'52, Nutation = 0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}00'05$, Lahiri = $19^{\circ}07'06$ Greg. Calendar

AUGUST 1660 GC 00:00 UT

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T 3	20 48 55	11° 8'12	79522	27°48	22°33	12°46	14°59	5°50	27°29	6°45	21°49	29°20	29°37	12°52	16° 2	T 3
W 4	20 52 51	12° 5'45	19°19	29°30	23° 9	13°24	15°11	5°52	27°27	6°44	21°50	29° 8	29°34	12°59	15°59	W 4
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F 6	21 0 44	14° 0'55	13° 5	2°50	24°17	14°39	15°34	5°58	27°22	6°41	21°52	28°42	29°27	13°13	15°53	F 6
S 7	21 441	14°58'32	24°57	4°27	24°49	15°17	15°46	6° 0	27°20	6°40	21°53	28°29	29°24	13°19	15°50	S 7
S 8	21 8 37	15°56'10	6 m 49	6° 3	25°20	15°55	15°58	6° 3	27°18	6°39	21°54	28°18	29°21	13°26	15°47	S 8
M 9	21 12 34	16°53'49	18°45	7°38	25°49	16°33	16°10	6° 6	27°16	6°38	21°55	28° 9	29°18	13°33	15°44	M 9
T 10	21 16 31	17°51'29	0 <u>ჲ</u> 46	9°10	26°16	17°11	16°22	6° 9	27°14	6°37	21°56	28° 3	29°15	13°39	15°41	T 10
W11	21 20 27	18°49'10	12°55	10°42	26°42	17°49	16°35	6°12	27°11	6°36	21°57	28° 0	29°12	13°46	15°38	W11
T 12	21 24 24	19°46'53	25°15	12°12	27° 7	18°27	16°47	6°16	27° 9	6°35	21°57	27°D59	29° 8	13°53	15°36	T 12
F 13	21 28 20	20°44'36	7 M 52	13°40	27°30	19° 5	16°59	6°19	27° 7	6°33	21°58	28° 0	29° 5	14° 0	15°33	F 13
S 14	21 32 17	21°42'21	20°48	15° 7	27°51	19°43	17°11	6°22	27° 5	6°32	21°59	28°R 0	29° 2	14° 6	15°30	S 14
S 15	21 36 13	22°40'07	4 ₹ 9	16°32	28°10	20°22	17°24	6°26	27° 3	6°31	22° 0	27°59	28°59	14°13	15°28	S 15
M16	21 40 10	23°37'53	17°57	17°56	28°27	21° 0	17°36	6°29	27° 1	6°30	22° 1	27°57	28°56	14°20	15°25	M16
T 17	21 44 6	24°35'42	2ਰ12	19°17	28°42	21°38	17°48	6°33	26°59	6°30	22° 1	27°52	28°53	14°26	15°23	T 17
W18	21 48 3	25°33'31	16°54	20°38	28°56	22°16	18° 1	6°37	26°57	6°29	22° 2	27°46	28°49	14°33	15°20	W18
T 19	21 52 0	26°31'21	1≈57	21°56	29° 7	22°55	18°13	6°40	26°55	6°28	22° 3	27°37	28°46	14°40	15°18	T 19
F 20	21 55 56	27°29'13	17°13	23°13	29°16	23°33	18°26	6°44	26°53	6°27	22° 4	27°28	28°43	14°47	15°16	F 20
S 21	21 59 53	28°27'07	2 ∺ 30	24°28	29°23	24°12	18°38	6°48	26°51	6°26	22° 4	27°20	28°40	14°53	15°14	S 21
S 22	22 3 49	29°25'01	17°37	25°41	29°28	24°50	18°51	6°52	26°49	6°25	22° 5	27°13	28°37	15° 0	15°11	S 22
M23	22 7 46	0 ₯ 22'58	2 Υ 26	26°53	29°31	25°29	19° 3	6°56	26°47	6°24	22° 6	27° 9	28°33	15° 7	15° 9	M23
T 24	22 11 42	1°20'56	16°50	28° 2	29°R31	26° 7	19°16	7° 0	26°45	6°24	22° 6	27° 6	28°30	15°13	15° 7	T 24
W25	22 15 39	2°18'56	0 8 45	29° 9	29°29	26°46	19°28	7° 5	26°43	6°23	22° 7	27°D 6	28°27	15°20	15° 5	W25
T 26	22 19 35	3°16'59	14°12	0 ჲ 14	29°25	27°25	19°41	7° 9	26°42	6°22	22° 7	27° 7	28°24	15°27	15° 3	T 26
F 27	22 23 32	4°15'03	27°13	1°16	29°18	28° 3	19°54	7°13	26°40	6°21	22° 8	27° 8	28°21	15°34	15° 2	F 27
S 28	22 27 29	5°13'09	9∏52	2°16	29° 9	28°42	20° 6	7°18	26°38	6°21	22° 8	27°R 8	28°18	15°40	15° 0	S 28
S 29	22 31 25	6°11'17	22°13	3°14	28°58	29°21	20°19	7°22	26°36	6°20	22° 9	27° 6	28°14	15°47	14°58	S 29
M30	22 35 22	7° 9'27	49521	4° 9	28°44	29°59	20°32	7°27	2 <u>6</u> °35	<u>6°20</u>	22° 9	27° 3	28°11	15°54	1 <u>4°</u> 57	M30
T 31	22 39 18	8 m , 7'39	169520	5₾ 0	28 m 28	0 ჲ 39	20 m 45	7 ™ 32	26 ප 33	6 ප 19	22 I I0	26 ≏ 57	28 ≏ 8	16 Ω 1	14 궁 55	T 31

Day	0	D	ğ	φ	♂ [*]	4	ħ)Å(卉	Р	u	Ω Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1 M 2	-,	19 15 4 9			8n 6 0n55 7 51 0 54	7n 6 1n 6 7 1 1 6	11 17 2 20	21 16 0 35	22 23 0 56	15 56 7 18	11 19 11	1 s24 12n14 1 23 12 12	15 8 7 25
T 3 W 4 T 5	17 12	18 38 4 39 17 12 4 56 15 2 5 0	12 42 1 7		7 36 0 54 7 21 0 53 7 6 0 53	6 57 1 6 6 52 1 6 6 47 1 6	11 19 2 19	21 17 0 35	22 23 0 56 22 23 0 56 22 23 0 56	15 56 7 18	11 11 11		15 9 7 25 15 10 7 25 15 10 7 24
F 6 S 7	16 39 16 22	12 16 4 51 8 59 4 30	11 19 0 54 10 37 0 47		6 51 0 52 6 36 0 51	6 43 1 6	11 21 2 19	21 18 0 35	22 23 0 56	15 56 7 18		1 18 12 5	15 11 7 24 15 12 7 24
S 8 M 9 T 10	16 5 15 48 15 30	5 22 3 56 1 31 3 12 2s26 2 19	9 13 0 32	1 46 3 44	6 21 0 51 6 6 0 50 5 50 0 50	6 29 1 6	11 24 2 18	21 19 0 35	22 23 0 56	15 56 7 18		1 16 12 2 1 15 12 0 1 14 11 59	
W11 T 12	15 13 14 55	6 20 1 19 10 1 0 15	7 50 0 17	2 27 4 6	5 35 0 49 5 19 0 49	6 19 1 6 6 14 1 6	11 27 2 18 11 28 2 17	21 20 0 35 21 20 0 35	22 23 0 56 22 23 0 56	15 56 7 19 15 56 7 19	10 47 11 10 47 11	1 12 11 57 1 11 11 55	15 14 7 23 15 15 7 22
F 13 S 14	14 36 14 18	16 5 1 58			5 4 0 48 4 49 0 48	6 10 1 6 6 5 1 6	11 31 2 17	21 21 0 35	22 24 0 56 22 24 0 56	15 56 7 19	10 47 11		15 16 7 22
S 15 M16 T 17	13 59 13 40 13 21	18 4 3 0 19 3 3 54 18 53 4 34	5 4 0 17 4 23 0 25 3 43 0 34	3 42 4 50 4 0 5 2 4 16 5 13	4 33 0 47 4 17 0 47 4 2 0 46	6 0 1 6 5 55 1 6 5 50 1 6	11 34 2 16	21 22 0 35	22 24 0 56 22 24 0 56 22 24 0 56	15 56 7 19	10 47 11 10 46 11 10 44 11	1 7 11 48	15 17 7 21
W18 T 19		17 28 4 59 14 50 5 3			3 46 0 46 3 30 0 45	5 45 1 6 5 40 1 6	11 36 2 16 11 38 2 16	21 23 0 35 21 23 0 35	22 24 0 55 22 24 0 55	15 56 7 19 15 56 7 19	10 42 11 10 39 11	1 4 11 45 1 3 11 43	15 18 7 20 15 19 7 20
F 20 S 21	12 22 12 2	11 9 4 46 6 43 4 9	1 7 1 11	5 14 5 58	3 15 0 45 2 59 0 44		11 41 2 15	21 24 0 35		15 56 7 20	10 36 11 10 33 11	1 1 11 40	15 20 7 19
S 22 M23 T 24	11 42 11 21 11 1	1 54 3 15 2n56 2 8 7 28 0 55	0s 8 1 30	5 38 6 21	2 43 0 43 2 27 0 43 2 12 0 42	5 25 1 5 5 21 1 5 5 16 1 5	11 44 2 15	21 24 0 35	22 24 0 55 22 24 0 55 22 24 0 55	15 56 7 20		1 0 11 38 0 59 11 37 0 58 11 35	15 22 7 18
W25 T 26 F 27	10 19	11 27 0s20 14 41 1 31 17 4 2 35	1 53 1 58	6 5 6 54	1 56 0 42 1 40 0 41 1 24 0 41	5 11 1 5 5 6 1 5 5 1 1 5	11 49 2 14	21 25 0 35	22 24 0 55 22 25 0 55 22 25 0 55	15 55 7 20	10 28 10	0 57 11 33 0 55 11 32 0 54 11 30	15 23 7 17
S 28 S 29	9 37	17 4 2 33 18 31 3 29 19 3 4 12	2 59 2 16	6 18 7 14	1 24 0 41 1 8 0 40 0 52 0 40	4 56 1 5	11 52 2 14	21 26 0 35	22 25 0 55	15 55 7 20	10 28 10	0 53 11 28 0 52 11 27	15 25 7 16
M30 T 31	8 54	18 41 4 44 17n29 5s 2	4 0 2 34	6 26 7 34	0 36 0 39 0n20 0n39	4 45 1 5	11 55 2 13	21 27 0 35	22 25 0 55	15 55 7 21	10 26 10) 51 11 25) s50 11n23	15 26 7 15

Julian Day Number = 2327575.5, Delta T = 35.99 sec Ecliptic obliquity = 23°28'52, Nutation = $0^\circ00'10$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ00'10$, Lahiri = $19^\circ07'10$ Greg. Calendar

SEPTEMBER 1660 GC 00:00 UT

JLI	ILMER	1000 u	C												00.00	0 01
Da	y Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	S.	v	Ç	Ŗ	Day
W	1 22 43 15	9m 5'53	289513	5 ≏ 49	28°R 9	1 ≏ 18	20 m 58	7 M .36	26°R32	6°R18	22 I I10	26°R50	28 ♀ 5	16 Q 7	14°R53	W 1
T	2 22 47 11	10° 4'09	10Ω 5	6°34	27 Mp 48	1°57	21°10	7°41	26 궁 30	6 ට 18	22°11	26 ₽ 41	28° 2	16°14	14 る 52	T 2
F	3 22 51 8	11° 2'26	21°57	7°16	27°26	2°36	21°23	7°46	26°29	6°17	22°11	26°32	27°59	16°21	14°51	F 3
S	4 22 55 4	12° 0'46	3 m 51	7°54	27° 1	3°15	21°36	7°51	26°27	6°17	22°12	26°24	27°55	16°27	14°49	S 4
S	5 22 59 1	12°59'07	15°49	8°27	26°34	3°54	21°49	7°56	26°26	6°17	22°12	26°17	27°52	16°34	14°48	S 5
M	6 23 2 58	13°57'31	27°52	8°57	26° 5	4°33	22° 2	8° 1	26°24	6°16	22°12	26°11	27°49	16°41	14°47	M 6
T	7 23 6 54	14°55'56	10 ♀ 3	9°21	25°35	5°12	22°15	8° 6	26°23	6°16	22°13	26° 8	27°46	16°48	14°46	T 7
W	8 23 10 51	15°54'22	22°22	9°41	25° 3	5°52	22°28	8°12	26°22	6°16	22°13	26°D 7	27°43	16°54	14°45	W 8
T	9 23 14 47	16°52'51	4ML53	9°55	24°29	6°31	22°41	8°17	26°20	6°15	22°13	26° 7	27°39	17° 1	14°44	T 9
F 1	0 23 18 44	17°51'21	17°37	10° 3	23°55	7°10	22°54	8°22	26°19	6°15	22°14	26° 8	27°36	17° 8	14°43	F 10
S 1	1 23 22 40	18°49'53	0 ∡ 38	10°R 5	23°19	7°50	23° 7	8°28	26°18	6°15	22°14	26°10	27°33	17°14	14°43	S 11
S 1	2 23 26 37	19°48'27	13°58	10° 1	22°43	8°29	23°20	8°33	26°17	6°15	22°14	26°R11	27°30	17°21	14°42	S 12
M1	3 23 30 33	20°47'02	27°40	9°50	22° 7	9° 9	23°33	8°39	26°16	6°14	22°14	26°11	27°27	17°28	14°41	M13
T 1	4 23 34 30	21°45'39	11 궁 44	9°33	21°30	9°48	23°46	8°44	26°15	6°14	22°14	26° 9	27°24	17°35	14°41	T 14
W1	5 23 38 26	22°44'18	26°10	9° 8	20°53	10°28	23°58	8°50	26°14	6°14	22°15	26° 6	27°20	17°41	14°40	W15
T 1	6 23 42 23	23°42'58	10≈55	8°36	20°16	11° 8	24°11	8°56	26°13	6°14	22°15	26° 2	27°17	17°48	14°40	T 16
F 1	7 23 46 20	24°41'40	25°52	7°57	19°39	11°47	24°24	9° 1	26°12	6°D14	22°15	25°58	27°14	17°55	14°40	F 17
S 1		25°40'24	10 ∺ 53	7°11	19° 4	12°27	24°37	9° 7	26°11	6°14	22°15	25°53	27°11	18° 1	14°39	S 18
S 1	9 23 54 13	26°39'10	25°50	6°19	18°29	13° 7	24°50	9°13	26°10	6°14	22°15	25°50	27° 8	18° 8	14°39	S 19
M2		27°37'57	10 Y 33	5°21	17°55	13°46	25° 3	9°19	26° 9	6°14	22°15	25°48	27° 4	18°15	14°D39	M20
T 2		28°36'47	24°56	4°19	17°23	14°26	25°16	9°25	26° 9	6°14	22°R15	25°D47	27° 1	18°22	14°39	T 21
W2	2 0 6 2	29°35'39	8 8 55	3°14	16°53	15° 6	25°29	9°31	26° 8	6°15	22°15	25°47	26°58	18°28	14°39	W22
T 2	0 9 59	0 ჲ 34'33	22°27	2° 6	16°24	15°46	25°42	9°37	26° 7	6°15	22°15	25°49	26°55	18°35	14°39	T 23
F 2	4 0 13 55	1°33'30	5 Ⅱ 34	0°59	15°57	16°26	25°55	9°43	26° 7	6°15	22°15	25°50	26°52	18°42	14°40	F 24
S 2	5 0 17 52	2°32'28	18°18	29 m 53	15°32	17° 6	26° 8	9°49	26° 6	6°15	22°15	25°52	26°49	18°48	14°40	S 25
S 2	6 0 21 49	3°31'30	09643	28°50	15° 9	17°46	26°21	9°55	26° 6	6°15	22°15	25°R52	26°45	18°55	14°40	S 26
M2	7 0 25 45	4°30'33	12°52	27°52	14°48	18°27	26°34	10° 2	26° 5	6°16	22°15	25°52	26°42	19° 2	14°41	M27
T 2	8 0 29 42	5°29'39	24°51	27° 1	14°30	19° 7	26°47	10° 8	26° 5	6°16	22°15	25°51	26°39	19° 8	14°41	T 28
W2	9 0 33 38	6°28'47	6Ω44	26°19	14°14	19°47	27° 0	10°14	26° 5	6°16	22°14	25°49	26°36	19°15	14°42	W29
Т3	0 0 37 35	7 - 27'57	18 Q 36	25 m/45	14 Mp 0	20 <u>₽</u> 27	27 m 13	10ML20	26ට 4	6 ට 17	22 I I4	25 <u>₽</u> 46	26 <u>₽</u> 33	19 Ω 22	14 궁 43	T 30

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W 1 T 2	8n10 7 48	15n32 5s 7		2 6s28 7s53 0 6 28 8		0n38 0 37	4n35 4 30	1n 5			21 s27 21 28		22 s25 22 25	0n55 0 55	15n55 15 55			10 s49 10 47			7n14 7 14
F 3	7 26	9 50 4 38			0 0 28	0 37	4 30	1 5	-		21 28		22 25	0 55				10 47			7 13
S 4	7 4	6 19 4 5	6 8 3 1	6 6 22 8 1	0 44	0 36	4 20	1 5	12 4	2 12	21 28	0 35	22 25	0 55	15 55	7 21	10 12	10 45	11 16	15 29	7 13
S 5	6 42	2 31 3 21	6 28 3 2	3 6 17 8 2	1 0	0 36	4 15	1 5	-	2 12	21 28	0 35	22 25	0 55	15 55	7 21	10 10	10 44	11 15	15 30	7 12
M 6	6 19	1 s24 2 27				0 35	4 10	1 5	-		21 29		22 25	0 55	15 54	7 21	10 8				7 12
T 7 W 8	5 57 5 34	5 18 1 26 9 2 0 20			_	0 35 0 34	4 5 4 0	1 5	12 9 12 11	2 12 2 11	21 29 21 29		22 25 22 25	0 55 0 55	15 54 15 54	7 22 7 22		10 42 10 41	11 11 11 10		7 11
T 9		12 25 On48				0 34	3 55	1 5					22 25	0 55	15 54	7 22	10 6			15 31	7 10
F 10	4 49	15 17 1 54	7 33 3 5	2 5 33 8 4	2 21	0 33	3 49	1 5	12 15	2 11	21 29		22 25	0 55	15 54	7 22	10 7	10 38	11 6	15 33	7 10
S 11	4 26	17 26 2 57	7 37 3 5	6 5 20 8 42	2 37	0 33	3 44	1 5	12 17	2 11	21 30	0 35	22 25	0 55	15 54	7 22	10 7	10 37	11 4	15 33	7 9
S 12	-	18 41 3 51					3 39	1 5	-		21 30		22 26			7 22		10 36			7 9
M13 T 14		18 53 4 34		0 4 52 8 43	-	0 31	3 34	1 5			21 30		22 26	0 55		7 22		10 35			7 8 7 8
W15	3 16 2 53	17 57 5 2 15 51 5 12		0 4 36 8 4 8 4 19 8 3	-	0 31 0 30	3 29 3 24	1 5	_		21 30 21 30		22 26 22 26	0 54 0 54	15 54 15 53	7 22 7 22	10 7 10 6	10 34 10 33			7 7
T 16	2 30	12 41 5 2	,		-	0 30	3 19	1 5			21 31		22 26	0 54	15 53	7 23		10 32			7 7
F 17	2 7	8 40 4 31	6 41 3 5	1 3 44 8 3	4 13	0 29	3 14	1 5	12 29	2 10	21 31	0 34	22 26	0 54	15 53	7 23	10 3	10 30	10 54	15 37	7 6
S 18	1 43	4 5 3 41	6 17 3 4	5 3 26 8 20	4 29	0 29	3 8	1 5	12 31	2 10	21 31	0 34	22 26	0 54	15 53	7 23	10 1	10 29	10 52	15 37	7 6
S 19	1 20	0n44 2 37			-	0 28	3 3	1 5			21 31		22 26	0 54				10 28			7 5
M20 T 21	0 57	5 27 1 23				0 27	2 58	1 5			21 31		22 26	0 54		7 23		10 27			7 5 7 4
W22	0 33 0 10	9 45 0 5 13 22 1s12		4 2 28 8 6 0 2 9 7 5	5 17 5 33	0 27 0 26	2 53 2 48	1 5 1 5		2 9 2 9			22 26 22 26	0 54 0 54	15 53 15 53	7 23 7 23		10 26 10 25			7 4
T 23	0 s14	-	3 21 2 4			0 26	2 43	1 6			21 31		22 26	0 54		7 23		10 23			7 3
F 24	0 37	17 58 3 22	2 38 2 2	7 1 30 7 39	6 5	0 25	2 38	1 6	12 43	2 9	21 32	0 34	22 26	0 54	15 52	7 24	10 0	10 22	10 42	15 40	7 3
S 25	1 1	18 49 4 10	1 55 2	9 1 11 7 29	6 21	0 25	2 33	1 6	12 45	2 9	21 32	0 34	22 26	0 54	15 52	7 24	10 1	10 21	10 40	15 41	7 2
S 26	1 24	18 43 4 45	1 12 1 4	9 0 53 7 1	6 37	0 24	2 27	1 6	12 47	2 8	21 32	0 34	22 26	0 54	15 52	7 24	10 1	10 20	10 39	15 41	7 2
M27	1 48	17 46 5 7	0 31 1 2		0 00	0 24	2 22	1 6	,		-		22 26	0 54		7 24		10 19			7 1
T 28	2 11	16 2 5 15		9 0 17 6 5		0 23	2 17	1 6		2 8			22 26	0 54		7 24					7 0
W29 T 30	2 35 2 s58		0 44 0 4 1n16 0s2			-	2 12 2n 7	1 6 1n 6	12 53 12 s 5 5		21 32 21 s32		22 26 22 s26	0 54 0n54	15 52 15n52	7 24 7 s24		10 17 10 s15		-	7 0 6n59
1 30	2 330	101140 4331	11110 032	0 0111/ 033	7 340	01122	211 /	111 0	12333	211 0	21332	0354	22320	01134	131132	1324	7337	10313	101132	10340	01139

 $\label{eq:Julian Day Number = 2327606.5, Delta T = 35.93 sec} \\ Ecliptic obliquity = 23°28'52, Nutation = 0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°00'14, Lahiri = 19°07'14Greg. Calendar$

OCTOBER 1660 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)/(¥	Р	R	ຄ	Ç	ę,	Day
F 1	0 41 31	8₾27'10	0 m 29	25°R21	13°R49	21 <u>₽</u> 8	27 Mp 26	10 M 27	26°R 4	6 ට 17	22°R14	25°R43	26₽30	19 Ω 29	14 궁 43	F 1
S 2	0 45 28	9°26'24	12°27	25 Mp 7	13 M 41	21°48	27°38	10°33	26 궁 4	6°18	22 I I14	25 ≏ 41	26°26	19°35	14°44	S 2
S 3	0 49 24	10°25'41	24°32	25°D 5	13°34	22°29	27°51	10°40	26° 4	6°18	22°14	25°38	26°23	19°42	14°45	S 3
M 4	0 53 21	11°25'00	6 <u>₽</u> 47	25°13	13°31	23° 9	28° 4	10°46	26° 4	6°19	22°13	25°37	26°20	19°49	14°46	M 4
T 5	0 57 18	12°24'21	19°12	25°32	13°D29	23°50	28°17	10°53	26°D 4	6°19	22°13	25°36	26°17	19°55	14°47	T 5
W 6	1 1 14	13°23'44	1 M .48	26° 0	13°30	24°30	28°30	11° 0	26° 4	6°20	22°13	25°D36	26°14	20° 2	14°49	W 6
T 7	1 5 11	14°23'10	14°37	26°38	13°34	25°11	28°42	11° 6	26° 4	6°21	22°12	25°37	26°10	20° 9	14°50	T 7
F 8	1 9 7	15°22'37	27°39	27°25	13°39	25°52	28°55	11°13	26° 4	6°21	22°12	25°38	26° 7	20°16	14°51	F 8
S 9	1 13 4	16°22'06	10 ∡ 755	28°19	13°47	26°32	29° 8	11°20	26° 4	6°22	22°12	25°39	26° 4	20°22	14°53	S 9
S 10	1 17 0	17°21'37	24°26	29°21	13°57	27°13	29°21	11°26	26° 4	6°23	22°11	25°39	26° 1	20°29	14°54	S 10
M11	1 20 57	18°21'09	8 궁 10	0 ჲ 29	14° 9	27°54	29°33	11°33	26° 5	6°24	22°11	25°40	25°58	20°36	14°56	M11
T 12	1 24 53	19°20'44	22°10	1°43	14°24	28°35	29°46	11°40	26° 5	6°24	22°10	25°R40	25°55	20°42	14°57	T 12
W13	1 28 50	20°20'20	6≈22	3° 2	14°40	29°16	29°58	11°47	26° 5	6°25	22°10	25°40	25°51	20°49	14°59	W13
T 14	1 32 47	21°19'57	20°46	4°24	14°59	29°57	0 ჲ 11	11°53	26° 6	6°26	22° 9	25°39	25°48	20°56	15° 1	T 14
F 15	1 36 43	22°19'37	5 ₩ 18	5°51	15°19	0 M .38	0°23	12° 0	26° 6	6°27	22° 9	25°39	25°45	21° 3	15° 2	F 15
S 16	1 40 40	23°19'18	19°52	7°20	15°41	1°19	0°36	12° 7	26° 7	6°28	22° 8	25°39	25°42	21° 9	15° 4	S 16
S 17	1 44 36	24°19'01	4 Υ 24	8°52	16° 5	2° 0	0°48	12°14	26° 8	6°29	22° 8	25°38	25°39	21°16	15° 6	S 17
M18	1 48 33	25°18'46	18°47	10°26	16°31	2°41	1° 1	12°21	26° 8	6°30	22° 7	25°38	25°35	21°23	15° 8	M18
T 19	1 52 29	26°18'32	2 8 57	12° 1	16°58	3°22	1°13	12°28	26° 9	6°31	22° 7	25°38	25°32	21°29	15°11	T 19
W20	1 56 26	27°18'21	16°48	13°38	17°27	4° 4	1°25	12°35	26°10	6°32	22° 6	25°38	25°29	21°36	15°13	W20
T 21	2 0 22	28°18'12	0 Ⅱ 19	15°15	17°58	4°45	1°38	12°42	26°10	6°33	22° 6	25°38	25°26	21°43	15°15	T 21
F 22	2 4 19	29°18'05	13°27	16°54	18°30	5°26	1°50	12°49	26°11	6°34	22° 5	25°38	25°23	21°50	15°17	F 22
S 23	2 8 15	0 M .18'01	26°14	18°32	19° 4	6° 8	2° 2	12°56	26°12	6°35	22° 4	25°37	25°20	21°56	15°20	S 23
S 24	2 12 12	1°17'58	89541	20°12	19°39	6°49	2°14	13° 3	26°13	6°36	22° 4	25°37	25°16	22° 3	15°22	S 24
M25	2 16 9	2°17'58	20°54	21°51	20°15	7°31	2°26	13°10	26°14	6°38	22° 3	25°36	25°13	22°10	15°25	M25
T 26	2 20 5	3°18'00	2 Ω 54	23°31	20°53	8°12	2°38	13°17	26°15	6°39	22° 2	25°D36	25°10	22°16	15°28	T 26
W27	2 24 2	4°18'03	14°48	25°10	21°32	8°54	2°50	13°24	26°16	6°40	22° 1	25°36	25° 7	22°23	15°30	W27
T 28	2 27 58	5°18'09	26°40	26°50	22°12	9°36	3° 2	13°32	26°17	6°41	22° 1	25°37	25° 4	22°30	15°33	T 28
F 29	2 31 55	6°18'17	8 m 34	28°29	22°54	10°17	3°14	13°39	26°19	6°43	22° 0	25°38	25° 1	22°36	15°36	F 29
S 30	2 35 51	7°18'28	20°34	OM 8	23°36	10°59	3°26	13°46	26°20	6°44	21°59	25°39	24°57	22°43	15°39	S 30
S 31	2 39 48	8ML18'40	2 ≏ 45	1 M .47	24 M 20	11 M .41	3 ₾ 38	13 M .53	26 궁 21	6 ප 45	21 II 58	25 ≏ 40	24 ≏ 54	22 N 50	15 る 42	S 31

F 1 3s21 7n17 4s19 1n43 0s 9 0n32 6s19 7s56 0n21 2n 2 1n 6 12s58 2n 8 21s32 0s34 22s26 0n54 15n52 7s24 9s58 10s14 10n30 15s44 S 3 4 8 0s20 2 43 2 21 0 26 1 2 5 54 8 27 0 20 15 2 1 6 13 0 2 8 2 1 32 0 34 22 26 0 54 15 51 7 24 9 57 10 13 10 28 15 44 8 44 4 4 31 4 16 1 42 2 33 0 42 2 31 0 42 115 5 41 8 43 0 20 1 47 1 6 13 1 4 2 7 2 1 32 0 34 22 26 0 54 15 51 7 25 9 55 10 10 10 23 15 45 8 45 8 4 0 35 2 39 0 56 1 27 5 28 8 58 0 19 1 42 1 6 13 6 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 10 10 23 15 45 8 45 8 4 0 35 2 39 0 56 1 27 5 28 8 58 0 19 1 42 1 6 13 6 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 10 10 23 15 45 8 45 8 6 6 4 16 56 2 48 2 34 12 11 1 50 5 2 9 29 0 18 1 33 1 6 13 0 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 10 10 23 15 46 8 5 9 6 27 18 24 3 46 2 11 1 39 2 8 4 36 10 0 17 1 22 1 6 13 13 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 6 10 18 15 46 8 5 9 6 27 18 24 3 46 2 11 1 39 2 8 4 36 10 0 17 1 22 1 6 13 13 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 6 10 18 15 46 8 5 9 6 27 18 24 3 46 2 11 1 39 2 8 4 36 10 0 17 1 22 1 6 13 13 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 6 10 18 15 46 8 5 9 6 27 18 24 3 46 2 11 1 1 39 2 8 4 36 10 0 10 7 1 22 1 6 13 15 2 7 21 32 0 34 22 26 0 54 15 51 7 25 9 55 10 6 10 18 15 46 8 5 9 6 27 18 24 3 46 2 11 1 1 39 2 8 4 36 10 0 3 0 15 1 12 1 7 13 19 2 7 2 1 32 0 34 22 26 0 53 15 50 7 25 9 56 10 5 10 16 15 47 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Day	0	D	ğ	φ	ď	4	ħ)Å(卉	Р	ភ ន	ţ	ķ
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S 9 6 27 18 24 3 46 2 11 1 39 2 8 4 36 10 0 0 17 1 22 1 6 13 15 2 7 21 32 0 34 22 26 0 53 15 51 7 25 9 56 10 5 10 16 15 47 S 10 6 50 18 51 4 31 1 53 1 46 2 16 4 23 10 15 0 16 1 17 1 6 13 17 2 7 21 32 0 34 22 26 0 53 15 50 7 25 9 56 10 4 10 14 15 47 MI1 7 12 18 12 5 3 1 31 1 52 2 24 4 10 10 30 0 15 1 12 1 7 13 19 2 7 21 32 0 34 22 26 0 53 15 50 7 25 9 56 10 3 10 13 15 47 T 12 7 35 16 27 5 17 1 5 1 56 2 30 3 58 10 45 0 15 1 7 1 7 13 20 2 6 21 31 0 34 22 26 0 53 15 50 7 26 9 56 10 2 10 11 15 48 17 14 8 20 10 3 4 47 0 6 2 1 2 29 3 3 33 11 15 0 14 0 57 1 7 13 26 2 6 21 31 0 34 22 26 0 53 15 50 7 26 9 56 10 2 10 11 15 48 18 18 18 18 18 18 18 18 18 18 18 18 18	W 6 T 7	5 18 5 41	11 35 0n34 14 36 1 43	2 39 1 9 2 34 1 21	1 39 5 15 1 50 5 2	9 14 0 18 9 29 0 18	1 37 1 6 1 32 1 6	13 8 2 7 13 10 2 7	21 32 0 34 21 32 0 34	22 26 0 54 22 26 0 54	15 51 7 25 15 51 7 25	9 55 10 9 9 55 10 7	10 21 10 20	15 46 6 56 15 46 6 56
T12	S 9 S 10	6 27	18 24 3 46	2 11 1 39 1 53 1 46	2 8 4 36	0 0 17	1 22 1 6	13 15 2 7 13 17 2 7	21 32 0 34 21 32 0 34	22 26 0 53 22 26 0 53	15 51 7 25	9 56 10 5	10 16	15 47 6 55
F 15 8 42 5 48 4 5 0827 2 2 2 43 3 21 11 30 0 13 0 52 1 7 13 28 2 6 21 31 0 34 22 26 0 53 15 50 7 26 9 56 9 58 10 6 15 49 8 10 6 15 49 8 10 15 49 8 10 15 13 10 10 10 13 10 10 11 15 13 10 10 11 15 13 10 10 11 15 13 10 10 11 15 13 10 14 15 10 13 10 11 10 10 13 15 13 10 14 17 15 13 10 14 15 10 10 11 15 15 10 10 11 15 13 10 10 11 15 13 10 14 15 10 10 11 15 10 10 11 15 10 10	T 12	7 35	16 27 5 17	1 5 1 56	2 30 3 58	0 45 0 15	1 7 1 7	13 21 2 6	21 31 0 34	22 26 0 53	15 50 7 26	9 56 10 2	10 11	15 48 6 53
M18	F 15	8 42	5 48 4 5	0 s27 2 2	2 43 3 21	1 30 0 13	0 52 1 7	13 28 2 6	21 31 0 34	22 26 0 53	15 50 7 26	9 56 9 58	10 6	15 49 6 52
S 24 11 57 18 9 5 4 6 22 1 40 2 34 1 40 13 42 0 8 0 9 1 8 13 47 2 5 21 30 0 34 22 26 0 53 15 49 7 27 9 55 9 48 9 50 15 51 M25 12 18 16 39 5 16 7 4 1 35 2 29 1 30 13 56 0 7 0 4 1 8 13 50 2 5 21 29 0 34 22 26 0 53 15 49 7 27 9 55 9 48 15 51 T26 12 38 14 26 5 15 7 45 1 30 2 24 1 20 14 10 0 7 0 1 1 8 13 52 2 52 12 29 0 34 22 26 0 53 15 49 7 27 9 55 9 48 15 51 T26 13 13 13 13 14 13 14 14 14 10 14 14 10 14	M18 T 19 W20 T 21 F 22	9 49 10 10 10 32 10 53 11 15	7 58 0 38 11 53 0s40 15 3 1 55 17 18 3 1 18 34 3 55	2 17 2 1 2 56 1 58 3 36 1 56 4 17 1 53 4 58 1 49	2 47 2 45 1 2 47 2 34 1 2 46 2 23 1 2 45 2 12 1 2 42 2 1 1	2 15 0 11 2 30 0 11 2 44 0 10 2 59 0 10 3 13 0 9	0 37 1 7 0 32 1 7 0 28 1 7 0 23 1 7 0 18 1 7	13 34 2 6 13 37 2 6 13 39 2 6 13 41 2 6 13 43 2 6	21 31 0 34 21 31 0 34 21 30 0 34 21 30 0 34 21 30 0 34	22 26 0 53 22 26 0 53 22 26 0 53 22 26 0 53 22 26 0 53	15 49 7 26 15 49 7 26 15 49 7 26 15 49 7 26 15 49 7 27	9 56 9 55 9 56 9 53 9 56 9 52 9 56 9 51 9 55 9 50	10 0 9 59 9 57 9 55 9 53	15 50 6 50 15 50 6 50 15 50 6 49 15 50 6 49 15 51 6 48
S 30 13 58 0 57 3 2 10 30 1 6 1 54 0 43 15 5 0 4 0 19 1 8 14 0 2 5 21 28 0 34 22 26 0 53 15 48 7 27 9 56 9 41 9 39 15 52	S 24 M25 T 26 W27 T 28	11 57 12 18 12 38 12 59 13 19	18 9 5 4 16 39 5 16 14 26 5 15 11 39 5 0 8 23 4 32 4 47 3 52	6 22 1 40 7 4 1 35 7 45 1 30 8 27 1 24 9 9 1 18	2 34 1 40 1 2 29 1 30 1 2 24 1 20 1 2 17 1 10 1 2 10 1 1 1 2 2 0 52 1	13 42 0 8 13 56 0 7 14 10 0 7 14 24 0 6 14 38 0 5 14 51 0 5	0 9 1 8 0 4 1 8 0 8 1 1 8 0 6 1 8 0 10 1 8	13 47 2 5 13 50 2 5 13 52 2 5 13 54 2 5 13 56 2 5 13 58 2 5	21 30 0 34 21 29 0 34	22 26 0 53 22 26 0 53	15 49 7 27 15 49 7 27 15 48 7 27 15 48 7 27 15 48 7 27 15 48 7 27	9 55 9 48 9 55 9 47 9 55 9 45 9 55 9 44 9 55 9 43	9 50 9 48 9 46 9 45 9 43 9 41	15 51 6 47 15 51 6 47 15 51 6 46 15 52 6 46 15 52 6 45 15 52 6 45

Julian Day Number = 2327636.5, Delta T = 35.87 sec

Ecliptic obliquity = $23^{\circ}28'53$, Nutation = $0^{\circ}00'07$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}00'18$, Lahiri = $19^{\circ}07'18$ Greg. Calendar

NOVEMBER 1660 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)/j(¥	Р	u	U	Ç	, k	Day
M 1	2 43 44	9 M 18'54	15 ≏ 10	3M26	25 mg 5	12 M 23	3 ჲ 50	14M 0	26 궁 22	6 ප 47	21°R58	25 ≏ 41	24 ♀ 51	22 N 57	15 云 45	M 1
T 2	2 47 41	10°19'10	27°50	5° 4	25°50	13° 5	4° 1	14° 7	26°24	6°48	21 II 57	25°R41	24°48	23° 3	15°48	T 2
W 3	2 51 38	11°19'28	10 M .46	6°42	26°37	13°47	4°13	14°14	26°25	6°50	21°56	25°41	24°45	23°10	15°51	W 3
T 4	2 55 34	12°19'47	23°59	8°20	27°25	14°29	4°24	14°22	26°27	6°51	21°55	25°39	24°41	23°17	15°54	T 4
F 5	2 59 31	13°20'09	7 .₹ 27	9°57	28°13	15°11	4°36	14°29	26°28	6°53	21°54	25°37	24°38	23°23	15°57	F 5
S 6	3 3 27	14°20'32	21° 8	11°34	29° 2	15°53	4°47	14°36	26°30	6°54	21°53	25°34	24°35	23°30	16° 1	S 6
S 7	3 7 24	15°20'56	5ਰ 1	13°11	29°52	16°35	4°59	14°43	26°31	6°56	21°52	25°32	24°32	23°37	16° 4	S 7
M 8	3 11 20	16°21'22	19° 1	14°47	0 ჲ 43	17°18	5°10	14°50	26°33	6°57	21°51	25°29	24°29	23°44	16° 8	M 8
T 9	3 15 17	17°21'50	3≈ 7	16°23	1°35	18° 0	5°21	14°57	26°35	6°59	21°50	25°28	24°26	23°50	16°11	T 9
W10	3 19 13	18°22'18	17°17	17°59	2°27	18°42	5°32	15° 4	26°37	7° 1	21°50	25°D27	24°22	23°57	16°15	W10
T 11	3 23 10	19°22'48	1 ∺ 28	19°34	3°20	19°25	5°43	15°12	26°38	7° 2	21°49	25°27	24°19	24° 4	16°18	T 11
F 12	3 27 7	20°23'19	15°38	21°10	4°14	20° 7	5°54	15°19	26°40	7° 4	21°48	25°29	24°16	24°10	16°22	F 12
S 13	3 31 3	21°23'51	29°46	22°45	5° 9	20°50	6° 5	15°26	26°42	7° 6	21°47	25°30	24°13	24°17	16°26	S 13
S 14	3 35 0	22°24'25	13 Y 48	24°19	6° 4	21°32	6°16	15°33	26°44	7° 7	21°46	25°31	24°10	24°24	16°30	S 14
M15	3 38 56	23°25'00	27°44	25°54	7° 0	22°15	6°27	15°40	26°46	7° 9	21°45	25°R32	24° 7	24°30	16°33	M15
T 16	3 42 53	24°25'36	11829	27°28	7°56	22°57	6°37	15°47	26°48	7°11	21°44	25°31	24° 3	24°37	16°37	T 16
W17	3 46 49	25°26'14	25° 1	29° 2	8°53	23°40	6°48	15°54	26°50	7°13	21°43	25°28	24° 0	24°44	16°41	W17
T 18	3 50 46	26°26'53	8 Ⅱ 18	0 ∡ 36	9°50	24°23	6°58	16° 1	26°52	7°15	21°41	25°24	23°57	24°51	16°45	T 18
F 19	3 54 42	27°27'34	21°19	2°10	10°48	25° 6	7° 9	16° 9	26°54	7°16	21°40	25°19	23°54	24°57	16°49	F 19
S 20	3 58 39	28°28'16	495 2	3°44	11°47	25°48	7°19	16°16	26°57	7°18	21°39	25°13	23°51	25° 4	16°53	S 20
S 21	4 2 36	29°28'59	16°29	5°17	12°46	26°31	7°29	16°23	26°59	7°20	21°38	25° 7	23°47	25°11	16°58	S 21
M22	4 6 32	0 ҂ 129'44	28°42	6°51	13°45	27°14	7°39	16°30	27° 1	7°22	21°37	25° 2	23°44	25°17	17° 2	M22
T 23	4 10 29	1°30'31	10 Ω 43	8°24	14°45	27°57	7°49	16°37	27° 3	7°24	21°36	24°58	23°41	25°24	17° 6	T 23
W24	4 14 25	2°31'19	22°37	9°57	15°46	28°40	7°59	16°44	27° 6	7°26	21°35	24°56	23°38	25°31	17°10	W24
T 25	4 18 22	3°32'08	4 Mp 27	11°30	16°47	29°23	8° 9	16°51	27° 8	7°28	21°34	24°D55	23°35	25°37	17°15	T 25
F 26	4 22 18	4°32'59	16°20	13° 3	17°48	0 ∡ ¹ 6	8°19	16°58	27°11	7°30	21°33	24°56	23°32	25°44	17°19	F 26
S 27	4 26 15	5°33'52	28°20	14°36	18°50	0°50	8°28	17° 5	27°13	7°32	21°32	24°58	23°28	25°51	17°24	S 27
S 28	4 30 11	6°34'45	10 ≏ 33	16° 9	19°52	1°33	8°38	17°11	27°16	7°34	21°30	24°59	23°25	25°58	17°28	S 28
M29	4 34 8	7°35'40	23° 2	17°42	20°55	2°16	8°47	17°18	27°18	7°36	21°29	25°R 0	23°22	26° 4	17°33	M29
T 30	4 38 5	8 ₮ 36'37	5 M .51	19 × 15	21 ≏ 57	3 ∡ 7 0	8 ≏ 56	17 M 25	27 る 21	7 云 38	21 II 28	24 ≏ 59	23 ₽ 19	26 Ω 11	17 云 37	T 30

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	decl	decl lat	decl lat	decl lat	lecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
M 1	14 s37	6 s 5 2 0 s 5 8	11 s50 0n54	1n34 0s25 15	s32 On 3	0s29 1n 9	14s 5 2n 5	21 s28 0 s33	22 s26 0n53	15n48 7s27	9 s 5 7	9 s38		15 s 52 6 n 4 3
T 2	14 56	10 32 0n12	12 30 0 47	1 24 0 17 15	45 0 2	0 33 1 9	14 7 2 5	21 27 0 33	22 26 0 53	15 48 7 27	9 57	9 37	9 34	15 52 6 43
W 3	15 15	13 47 1 22	13 8 0 40	1 13 0 9 15	58 0 2	0 38 1 9	14 9 2 5	21 27 0 33	22 26 0 53	15 47 7 27	9 56	9 36	9 32	15 52 6 42
T 4	15 34	16 23 2 30	13 46 0 34	1 1 0 1 10	11 0	0 42 1 9	14 11 2 5	21 27 0 33	22 26 0 53	15 47 7 27	9 56	9 35	9 31	15 53 6 42
F 5	15 52	18 8 3 31	14 24 0 27	0 49 0n 7 16	24 0	0 46 1 9	14 13 2 5	21 27 0 33	22 26 0 52	15 47 7 28	9 55	9 34	9 29	15 53 6 42
S 6	16 10	18 52 4 20	15 0 0 20	0 36 0 15 16	37 0 0	0 51 1 9	14 15 2 5	21 26 0 33	22 26 0 52	15 47 7 28	9 54	9 33	9 27	15 53 6 41
S 7	16 28	18 28 4 55	15 36 0 14	0 23 0 22 16	50 0s	0 55 1 9	14 18 2 5	21 26 0 33	22 26 0 52	15 47 7 28	9 53	9 31	9 25	15 53 6 41
M 8	16 45		16 11 0 7	0 9 0 29 17	3 0	1 0 1 9			22 26 0 52			9 30		15 53 6 40
T 9	17 3		16 46 0 0	0s 5 0 36 17	15 0 2	2 1 4 1 10			22 26 0 52	15 47 7 28	9 52	9 29	9 22	15 53 6 40
W10	17 20	11 2 4 52	17 19 0s 7	0 20 0 43 17	27 0 2				22 25 0 52		9 52	9 28	9 20	15 53 6 40
T 11	17 36	7 0 4 15	17 52 0 13	0 35 0 49 17	40 0 3	1 12 1 10	14 26 2 5	21 24 0 33	22 25 0 52	15 47 7 28	9 52	9 27	9 18	15 53 6 39
F 12	17 53	2 34 3 22	18 24 0 20	0 51 0 55 17	52 0 4	1 17 1 10	14 28 2 5	21 24 0 33	22 25 0 52	15 47 7 28	9 52	9 26	9 16	15 53 6 39
S 13	18 9	2n 0 2 17	18 55 0 26	1 7 1 1 18	4 0 4	1 21 1 10	14 30 2 5	21 24 0 33	22 25 0 52	15 46 7 28	9 53	9 24	9 15	15 53 6 38
S 14	18 24	6 26 1 4	19 25 0 33	1 23 1 7 18	15 0 5	1 25 1 10	14 32 2 5	21 23 0 33	22 25 0 52	15 46 7 28	9 53	9 23	9 13	15 53 6 38
M15	18 40	10 30 0s12	19 54 0 39	1 40 1 13 18	27 0 5	1 29 1 10	14 34 2 5	21 23 0 33	22 25 0 52	15 46 7 28	9 53 9	9 22	9 11	15 53 6 38
T 16	18 55	13 56 1 26	20 22 0 46	1 57 1 18 18	38 0 0	1 33 1 1	14 36 2 5	21 23 0 33	22 25 0 52	15 46 7 28	9 53	9 21	9 9	15 52 6 37
W17	19 9	16 33 2 34	20 49 0 52	2 15 1 24 18	50 0	1 37 1 1	14 38 2 5	21 22 0 33	22 25 0 52	15 46 7 28	9 52	9 20	9 8	15 52 6 37
T 18	19 24	18 14 3 33	21 15 0 58	2 33 1 29 19	1 0 7	1 41 1 1	14 40 2 5	21 22 0 33	22 25 0 52	15 46 7 28	9 51	9 18	9 6	15 52 6 36
F 19	19 38	18 54 4 19	21 40 1 4	2 51 1 34 19	12 0 8	1 45 1 1	14 42 2 5	21 21 0 33	22 25 0 52	15 46 7 28	9 49	9 17	9 4	15 52 6 36
S 20	19 51	18 35 4 51	22 4 1 10	3 10 1 38 19	23 0 8	8 1 49 1 1	14 44 2 5	21 21 0 33	22 25 0 52	15 46 7 28	9 46	9 16	9 2	15 52 6 36
S 21	20 5	17 22 5 8	22 27 1 15	3 28 1 43 19	33 0 9	1 53 1 1	14 46 2 5	21 20 0 33	22 25 0 52	15 46 7 28	9 44	9 15	9 0	15 52 6 35
M22	20 17	15 23 5 11	22 49 1 21	3 47 1 47 19	44 0 10	1 57 1 12	2 14 48 2 5	21 20 0 33	22 25 0 52	15 46 7 28	9 42 9	9 14	8 59	15 52 6 35
T 23	20 30	12 46 5 0	23 10 1 26	4 7 1 51 19	54 0 10	2 1 1 12	2 14 50 2 5	21 19 0 33	22 25 0 52	15 46 7 28	9 41	9 13	8 57	15 51 6 35
W24	20 42	9 39 4 36	23 29 1 31	4 27 1 55 20	4 0 1	2 4 1 12	2 14 52 2 5	21 19 0 33	22 24 0 52	15 45 7 28	9 40	9 11	8 55	15 51 6 34
T 25	20 54	6 10 4 0	23 47 1 36	4 46 1 59 20	14 0 1	2 8 1 12			22 24 0 52	15 45 7 28	9 40	9 10	8 53	15 51 6 34
F 26	21 5	2 25 3 15	24 4 1 41	5 6 2 3 20	24 0 12	2 12 1 12	2 14 56 2 5	21 18 0 33	22 24 0 52	15 45 7 28	9 40	9 9	8 52	15 51 6 34
S 27	21 16	1 s28 2 20	24 20 1 45	5 27 2 6 20	34 0 13	2 15 1 12	2 14 58 2 5	21 17 0 33	22 24 0 52	15 45 7 28	9 41	9 8	8 50	15 51 6 33
S 28	21 27	5 22 1 18	24 35 1 50		43 0 13	2 19 1 13	3 15 0 2 5	21 17 0 33	22 24 0 52	15 45 7 28	9 41	9 7	8 48	15 50 6 33
M29	21 37	9 8 0 11	24 48 1 54	6 8 2 12 20	53 0 14	2 22 1 13	3 15 2 2 5	21 16 0 33	22 24 0 52	15 45 7 28	9 42	9 6	8 46	15 50 6 33
T 30	21 s47	12 s34 0n58	25 s 0 1 s 5 7		s 2 0s14	2 s26 1n13	3 15 s 4 2n 5	21 s16 0 s33	22 s24 0n52	15n45 7s28	9 s41	9s 4	8n44	15 s 50 6 n 3 3

Julian Day Number = 2327667.5, Delta T = 35.82 sec Ecliptic obliquity = $23^{\circ}28'52$, Nutation = $0^{\circ}00'06$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}00'22$, Lahiri = $19^{\circ}07'23$ Greg. Calendar

DECEMBER 1660 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	ß	Ω	Ç	ķ	Day
W 1	4 42 1	9 ∡ 37'34	19 M 2	20 ∡ ⁷ 48	23 <u>₽</u> 1	3 ∡7 43	9 º 6	17 M 32	27 る 23	7 云 40	21°R27	24°R57	23₽16	26 Ω 18	17 石 42	W 1
T 2	4 45 58	10°38'33	2 ₹ 36	22°20	24° 4	4°26	9°15	17°39	27°26	7°42	21 II 26	24 ≏ 52	23°13	26°24	17°46	T 2
F 3	4 49 54	11°39'33	16°30	23°53	25° 8	5°10	9°24	17°46	27°29	7°44	21°25	24°45	23° 9	26°31	17°51	F 3
S 4	4 53 51	12°40'33	0 궁 40	25°25	26°12	5°53	9°33	17°52	27°31	7°46	21°24	24°37	23° 6	26°38	17°56	S 4
S 5	4 57 47	13°41'35	15° 2	26°57	27°17	6°37	9°41	17°59	27°34	7°48	21°22	24°29	23° 3	26°45	18° 1	S 5
M 6	5 1 44	14°42'37	29°29	28°29	28°22	7°21	9°50	18° 6	27°37	7°50	21°21	24°22	23° 0	26°51	18° 5	M 6
T 7	5 5 40	15°43'39	13≈56	0ਰ 1	29°27	8° 4	9°58	18°12	27°40	7°52	21°20	24°16	22°57	26°58	18°10	T 7
W 8	5 9 3 7	16°44'43	28°17	1°32	0 M .32	8°48	10° 7	18°19	27°42	7°55	21°19	24°12	22°53	27° 5	18°15	W 8
T 9	5 13 34	17°45'46	12 米 29	3° 3	1°38	9°32	10°15	18°26	27°45	7°57	21°18	24°D10	22°50	27°11	18°20	T 9
F 10	5 17 30	18°46'50	26°30	4°33	2°44	10°16	10°23	18°32	27°48	7°59	21°17	24°10	22°47	27°18	18°25	F 10
S 11	5 21 27	19°47'54	10 Y 21	6° 2	3°50	11° 0	10°31	18°39	27°51	8° 1	21°15	24°11	22°44	27°25	18°30	S 11
S 12	5 25 23	20°48'59	24° 0	7°31	4°56	11°43	10°39	18°45	27°54	8° 3	21°14	24°R12	22°41	27°31	18°35	S 12
M13	5 29 20	21°50'04	7 8 29	8°59	6° 3	12°27	10°47	18°51	27°57	8° 5	21°13	24°11	22°38	27°38	18°40	M13
T 14	5 33 16	22°51'09	20°48	10°26	7°10	13°11	10°54	18°58	28° 0	8° 8	21°12	24° 8	22°34	27°45	18°45	T 14
W15	5 37 13	23°52'15	3 II 56	11°51	8°17	13°55	11° 2	19° 4	28° 3	8°10	21°11	24° 2	22°31	27°51	18°50	W15
T 16	5 41 9	24°53'21	16°53	13°15	9°24	14°40	11° 9	19°10	28° 6	8°12	21° 9	23°53	22°28	27°58	18°55	T 16
F 17	5 45 6	25°54'28	29°38	14°36	10°32	15°24	11°16	19°17	28° 9	8°14	21° 8	23°42	22°25	28° 5	19° 0	F 17
S 18	5 49 3	26°55'35	129511	15°56	11°40	16° 8	11°23	19°23	28°12	8°17	21° 7	23°30	22°22	28°12	19° 5	S 18
S 19	5 52 59	27°56'43	24°31	17°13	12°48	16°52	11°30	19°29	28°16	8°19	21° 6	23°18	22°19	28°18	19°10	S 19
M20	5 56 56	28°57'51	6 Ω 40	18°26	13°56	17°36	11°37	19°35	28°19	8°21	21° 5	23° 6	22°15	28°25	19°15	M20
T 21	6 0 52	29°58'59	18°39	19°36	15° 4	18°21	11°44	19°41	28°22	8°23	21° 4	22°57	22°12	28°32	19°21	T 21
W22	6 4 49	1る 0'08	0 m 31	20°41	16°13	19° 5	11°50	19°47	28°25	8°26	21° 2	22°50	22° 9	28°38	19°26	W22
T 23	6 8 45	2° 1'17	12°20	21°42	17°21	19°50	11°56	19°53	28°28	8°28	21° 1	22°45	22° 6	28°45	19°31	T 23
F 24	6 12 42	3° 2'27	24°11	22°37	18°30	20°34	12° 3	19°59	28°32	8°30	21° 0	22°43	22° 3	28°52	19°36	F 24
S 25	6 16 38	4° 3'37	6 ଫ 8	23°25	19°39	21°18	12° 9	20° 5	28°35	8°32	20°59	22°D43	21°59	28°58	19°42	S 25
S 26	6 20 35	5° 4'47	18°17	24° 5	20°48	22° 3	12°15	20°11	28°38	8°35	20°58	22°R43	21°56	29° 5	19°47	S 26
M27	6 24 32	6° 5'58	0 M .44	24°38	21°58	22°48	12°20	20°16	28°42	8°37	20°57	22°43	21°53	29°12	19°52	M27
T 28	6 28 28	7° 7'10	13°34	25° 1	23° 7	23°32	12°26	20°22	28°45	8°39	20°55	22°41	21°50	29°19	19°58	T 28
W29	6 32 25	8° 8'21	26°49	25°14	24°17	24°17	12°31	20°28	28°48	8°41	20°54	22°37	21°47	29°25	20° 3	W29
T 30	6 36 21	<u>9°</u> 9'33	10 ∡ 32	25°R16	25°27	25° 2	12°37	20°33	2 <u>8</u> °52	8°44	20°53	22°30	21°44	29°32	20° 8	T 30
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S 12 M13 T 14 W15 T 16 F 17 S 18	23 17 23 20 23 23	12 55 1 s11 15 47 2 17 17 46 3 16 18 48 4 3 18 52 4 37	25 24 25 15 25 5 24 53 24 40	2 15 10 42 2 13 11 4 2 11 11 25 2 8 11 46 2 5 12 6 2 0 12 27 1 55 12 48	2 38 22 35 2 39 22 42 2 40 22 48 2 40 22 54 2 41 23 0 2 41 23 5 2 42 23 11	0 22 0 22 0 23 0 24 0 24 0 25 0 25	3 4 3 7 3 10 3 12 3 15 3 18 3 20	1 15 1 16 1 16 1 16 1 16 1 16 1 17	15 25 15 27 15 28 15 30 15 32 15 33 15 35	2 6 2 6 2 6	21 9 21 8 21 7 21 7	0 33 0 33 0 33 0 33 0 33	22 23 0 22 22 0 22 22 0 22 22 0 22 22 0	52 15 51 15 51 15 51 15 51 15	44 7 28 44 7 28 44 7 28 44 7 28 44 7 28 44 7 28 44 7 28	9 24 9 24 9 22 9 20 9 17 9 13 9 9	8 50 8 49 8 48 8 47 8 45 8 44 8 43	8 21 8 19 8 18 8 16 8 14	15 45 15 45 15 44 15 44 15 43 15 43 15 42	6 30 6 29 6 29 6 29 6 29 6 29 6 29
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S 26 M27 T 28 W29 T 30 F 31		11 5 0n42 14 13 1 48 16 43 2 50 18 22 3 45	21 37 21 18 20 59 20 41	0 38 15 26 0 23 15 44 0 8 16 3 0n 9 16 21 0 27 16 39 0n45 16s56	2 39 23 45 2 38 23 48 2 37 23 51 2 36 23 53 2 35 23 56 2n34 23 s58	0 30 0 31 0 31 0 32 0 33 0s33	3 41 3 43 3 44 3 46	1 19 1 19 1 19 1 19		2 7 2 7 2 7 2 7	21 0 20 59 20 59 20 58 20 57 20 s57	0 33 0 33 0 33 0 33	22 21 0 22 21 0 22 21 0 22 20 0	51 15 51 15 51 15	44 7 27 44 7 27 44 7 27 44 7 27 44 7 27 n45 7s26	8 51 8 51 8 50 8 49 8 46 8 843	8 34 8 32 8 31 8 30 8 29 8 s28	7 56 7 54 7 52 7 50	15 38 15 37 15 36 15 36 15 35 15 s34	6 27 6 27 6 27 6 27 6 27 6 27 6n27

Julian Day Number = 2327697.5, Delta T = 35.76 sec Ecliptic obliquity = 23°28'51, Nutation = $0^\circ00'06$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ00'26$, Lahiri = $19^\circ07'27$ Greg. Calendar