

Astrodienst Ephemeris Tables for the year 2015

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 2015 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	r	v	Ç	ķ	Day
T 1	6 41 19	10 ට 13'50	20 8 37	23石39	26 ප 43	21≈ 3	21°R46	0 ∡ 752	12 Y 37	5) 23	13 る 10	15°R26	14₽56	3 m 48	13) (46	T 1
F 2	6 45 16	11°14'58	3 Ⅱ 44	25°14	27°58	21°50	21\$\Omega41\$	0°58	12°37	5°25	13°12	15 ♀ 20	14°53	3°54	13°49	F 2
S 3	6 49 13	12°16'06	16°39	26°49	29°14	22°37	21°36	1° 4	12°38	5°26	13°14	15°10	14°50	4° 1	13°51	S 3
S 4	6 53 9	13°17'14	29°24	28°23	0≈29	23°24	21°32	1°10	12°39	5°28	13°16	14°57	14°47	4° 8	13°53	S 4
M 5	6 57 6	14°18'22	119559	29°56	1°44	24°11	21°27	1°16	12°39	5°29	13°18	14°43	14°44	4°14	13°55	M 5
T 6	7 1 2	15°19'30	24°22	1≈27	2°59	24°58	21°21	1°22	12°40	5°31	13°20	14°28	14°40	4°21	13°57	T 6
W 7	7 4 59	16°20'38	6 Ω 34	2°58	4°14	25°45	21°16	1°27	12°41	5°32	13°22	14°15	14°37	4°28	14° 0	W 7
T 8	7 8 5 5	17°21'46	18°36	4°27	5°29	26°32	21°11	1°33	12°42	5°34	13°25	14° 3	14°34	4°34	14° 2	T 8
F 9	7 12 52	18°22'54	0 m 31	5°54	6°44	27°19	21° 5	1°39	12°43	5°36	13°27	13°53	14°31	4°41	14° 4	F 9
S 10	7 16 48	19°24'02	12°20	7°18	7°59	28° 6	20°59	1°44	12°44	5°37	13°29	13°47	14°28	4°48	14° 7	S 10
S 11	7 20 45	20°25'10	24° 7	8°39	9°14	28°53	20°53	1°50	12°45	5°39	13°31	13°43	14°25	4°54	14° 9	S 11
M12	7 24 42	21°26'17	5 Ω 58	9°57	10°30	29°40	20°47	1°55	12°46	5°41	13°33	13°42	14°21	5° 1	14°12	M12
T 13	7 28 38	22°27'25	17°56	11°11	11°45	0 ∺ 27	20°41	2° 1	12°47	5°43	13°35	13°42	14°18	5°8	14°15	T 13
W14	7 32 35	23°28'33	OM 8	12°20	13° 0	1°14	20°35	2° 6	12°48	5°44	13°37	13°42	14°15	5°14	14°17	W14
T 15	7 36 31	24°29'40	12°40	13°24	14°15	2° 1	20°28	2°11	12°49	5°46	13°39	13°41	14°12	5°21	14°20	T 15
F 16	7 40 28	25°30'48	25°35	14°21	15°30	2°48	20°22	2°17	12°50	5°48	13°41	13°37	14° 9	5°28	14°23	F 16
S 17	7 44 24	26°31'55	8 ₹ 58	15°11	16°45	3°35	20°15	2°22	12°52	5°50	13°43	13°31	14° 5	5°34	14°25	S 17
S 18	7 48 21	27°33'02	22°51	15°53	18° 0	4°21	20° 8	2°27	12°53	5°52	13°45	13°23	14° 2	5°41	14°28	S 18
M19	7 52 17	28°34'09	7 ਰ 11	16°26	19°14	5° 8	20° 1	2°32	12°54	5°54	13°47	13°12	13°59	5°48	14°31	M19
T 20	7 56 14	29°35'15	21°55	16°50	20°29	5°55	19°54	2°37	12°56	5°56	13°49	13° 1	13°56	5°54	14°34	T 20
W21	8 0 11	0≈36'21	6≈54	17° 3	21°44	6°42	19°47	2°42	12°57	5°58	13°51	12°49	13°53	6° 1	14°37	W21
T 22	8 4 7	1°37'26	21°59	17°R 5	22°59	7°29	19°40	2°46	12°59	5°59	13°53	12°40	13°50	6° 8	14°40	T 22
F 23	8 8 4	2°38'30	6 ∺ 59	16°55	24°14	8°16	19°33	2°51	13° 0	6° 1	13°55	12°33	13°46	6°14	14°43	F 23
S 24	8 12 0	3°39'33	21°48	16°34	25°29	9° 3	19°25	2°56	13° 2	6° 3	13°57	12°29	13°43	6°21	14°46	S 24
S 25	8 15 57	4°40'35	6 Υ 17	16° 1	26°44	9°50	19°18	3° 0	13° 4	6° 5	13°59	12°D27	13°40	6°28	14°49	S 25
M26	8 19 53	5°41'37	20°25	15°18	27°59	10°37	19°10	3° 5	13° 6	6° 7	14° 1	12°27	13°37	6°35	14°52	M26
T 27	8 23 50	6°42'37	4812	14°25	29°13	11°23	19° 3	3° 9	13° 7	6° 9	14° 3	12°R28	13°34	6°41	14°55	T 27
W28	8 27 46	7°43'36	17°38	13°23	0) €28	12°10	18°55	3°14	13° 9	6°12	14° 5	12°27	13°31	6°48	14°58	W28
T 29	8 31 43	8°44'33	0 Ⅱ 45	12°15	1°43	12°57	18°47	3°18	13°11	6°14	14° 7	12°25	13°27	6°55	15° 1	T 29
F 30	8 35 40	9°45'30	13°38	11° 3	2°57	13°44	18°39	3°22	13°13	6°16	14° 9	12°20	13°24	7° 1	15° 4	F 30
S 31	8 39 36	10≈46'26	26 I I16	9 ≈ 48	4) €12	14) (30	18 Ω 32	3 ∡ 126	13 Y 15	6 ¥ 18	14 ਨ 11	12 ≏ 12	13 ≏ 21	7 m) 8	15 米 7	S 31

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	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1 F 2	23 s 2 22 58		4 23 s28 5 23 9		22 s 8 5 21 55	-	15 s33 15 18		15n 4 15 5	0n51 0 52		1n56 1 56	4n22 4 23	0 s40 0 40	10s13 10 12		20 s38 20 38	2n10 2 10	6s 5 6 2	5 s53 5 52	6n57 6 55	2s 6 2 6	4n38 4 37
S 3	22 52	18 23 4 2	4 22 48	2 3	21 41	1 24	15 2	1 7	15 7	0 52	18 29	1 56	4 23	0 40	10 12	0 44	20 38	2 10	5 58	5 51	6 54	2 5	4 37
S 4 M 5	22 46 22 40		9 22 26		21 26		14 46 14 30		15 9 15 11	0 52 0 52		1 56 1 56	4 23 4 23	0 40 0 40		0 44 0 44	20 38 20 37	2 9 2 9	5 53 5 48	5 49 5 48	6 52 6 50	2 5 2 4	4 37 4 37
T 6	22 33	16 24 4 5	5 21 38	1 51	20 54	1 27	14 13	1 5	15 12	0 52	18 32	1 56	4 24	0 40	10 10	0 44	20 37	2 9	5 42	5 47	6 48	2 3	4 36
W 7 T 8	-	11 19 4	8 21 13 8 20 46	1 40	20 20	1 29	13 57 13 40		15 14 15 16		18 34	1 56 1 56	4 24 4 25		10 9	0 44 0 44	20 37 20 37	2 9 2 9	5 37 5 32	5 46 5 44	6 47 6 45	2 3 2	4 36 4 36
F 9 S 10	22 10 22 2	8 3 3 2 4 30 2 3	7 20 18 8 19 49		20 2 5 19 44	1 30 1 31	13 24 13 7	1 4 1 3	15 18 15 20		18 35 18 36	1 56 1 57	4 25 4 25			0 44 0 44	20 37 20 37	2 9 2 9	5 29 5 26	5 43 5 42	6 43 6 41	2 1 2 1	4 36 4 35
S 11 M12 T 13	21 53 21 44 21 34	0 47 1 4 3s 0 0 4 6 41 0n2		1 6	5 19 5	1 32	12 50 12 33 12 16	1 2 1 2 1 1	15 22 15 25 15 27	0 53 0 54 0 54	18 38	1 57 1 57 1 57	4 26 4 26 4 27		10 6	0 44 0 44 0 44	20 37	2 9 2 9 2 9	5 25 5 24 5 24	5 41 5 40 5 38	6 39 6 38 6 36	2 0 1 59 1 59	4 35 4 35 4 34
_	21 24 21 13	-	6 17 48	0 44	18 24	1 33	11 59 11 41		15 29	0 54 0 54	18 40	1 57 1 57	4 27 4 28	0 39		0 44 0 44		2 9 2 8	5 24 5 24	5 37 5 36	6 34 6 32	1 58 1 57	4 34 4 34
F 16 S 17	21 2 20 51	15 52 3 2 17 41 4	3 16 48 9 16 20		3 17 41 3 17 19	1 34 1 35	11 24 11 6		15 33 15 36	0 54 0 55	18 42 18 43	1 57 1 57	4 28 4 29	0 39	-	0 44 0 44	20 36 20 36	2 8 2 8	5 22 5 20	5 35 5 33	6 30 6 29	1 56 1 55	4 34 4 33
S 18 M19 T 20	20 39 20 27 20 14	18 15 5	3 15 52 0 15 27 8 15 3	0 29		1 35	10 49 10 31 10 13	0 57	15 38 15 40 15 43	0 55 0 55 0 55	18 45	1 57 1 58 1 58	4 29 4 30 4 30	0 39 0 39 0 39	10 2	0 44 0 44 0 44	20 36 20 36 20 36	2 8 2 8 2 8	5 17 5 13 5 8	5 32 5 31 5 30	6 27 6 25 6 23	1 55 1 54 1 53	4 33 4 33 4 33
W21 T 22			4 14 25	1 22	15 21	1 35 1 35	9 55 9 37	0 55	15 45 15 48	0 55 0 56	18 47	1 58 1 58	4 31 4 32	0 39 0 39	10 0	0 44 0 44	20 36 20 35	2 8 2 8	5 4 5 0	5 28 5 27	6 22 6 20	1 52 1 51	4 33 4 32
F 23 S 24	19 34 19 20	6 13 2 5 1 36 1 4	7 14 10 8 13 59			1 35 1 35	9 19 9 1	0 55 0 54	15 50 15 53	0 56 0 56		1 58 1 58	4 32 4 33	0 39 0 39		-	20 35 20 35	2 8 2 8	4 57 4 56	5 26 5 25	6 18 6 16	1 50 1 49	4 32 4 32
S 25 M26	19 5 18 51	3n 0 0 3 7 19 0s4	3 13 52 2 13 49			1 35 1 34	8 42 8 24	0 53 0 53	15 55 15 58	0 56 0 56		1 58 1 58	4 34 4 34	0 39 0 39			20 35 20 35	2 8 2 8	4 55 4 55	5 24 5 22	6 14 6 13	1 48 1 47	4 32 4 31
T 27 W28	18 36 18 20	11 8 1 5	3 13 50	2 48	13 13	1 34 1 33	8 6 7 47	0 52 0 51	16 0	0 56 0 56	18 51	1 58 1 59	4 35 4 36	0 39	9 56	-	20 35	2 8 2 7	4 55 4 55	5 21 5 20	6 11 6 9	1 46 1 45	4 31 4 31
T 29 F 30		16 35 3 4	8 14 1	3 14		1 33 1 32	7 29 7 10	0 51 0 50	16 5	0 57 0 57	18 52	1 59 1 59	4 37 4 37	0 39	9 54	0 44 0 44	20 34	2 7 2 7	4 54 4 52	5 19 5 17	6 7 6 5	1 44 1 43	4 31 4 31
S 31	17 s32	-	2 14 s24			1 s32	6 s52		16n10		18 s 5 3	1n59	4n38			-	20s34	2n 7	4 s49	5 s 1 6	6n 4	1 s42	4n30

Julian Day Number = 2457023.5, Delta T = 67.64 sec Ecliptic obliquity = 23°26′05, Nutation = 0°00′05, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°56′59, Lahiri = 24°04′00

FEBRUARY 2015 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	ď	卉	Р	R	Ω	Ç	ę,	Day
S 1	8 43 33	11≈47'20	89544	8°R34	5 ₩ 27	15 米 17	18°R24	3 ₹ 30	13 Y 17	6 ∺ 20	14 궁 13	12°R 3	13 ≏ 18	7 m 15	15 米 11	S 1
M 2	8 47 29	12°48'13	21° 2	7≈21	6°41	16° 4	$18\Omega16$	3°34	13°19	6°22	14°15	11 ≏ 51	13°15	7°21	15°14	M 2
T 3	8 51 26	13°49'05	3 Ω 11	6°12	7°56	16°50	18° 8	3°38	13°21	6°24	14°17	11°40	13°11	7°28	15°17	T 3
W 4	8 55 22	14°49'56	15°13	5° 9	9°10	17°37	18° 0	3°42	13°23	6°26	14°19	11°28	13° 8	7°35	15°20	W 4
T 5	8 59 19	15°50'45	27° 9	4°12	10°25	18°24	17°52	3°45	13°25	6°28	14°21	11°19	13° 5	7°41	15°24	T 5
F 6	9 3 15	16°51'34	9 m) 0	3°23	11°39	19°10	17°44	3°49	13°27	6°31	14°22	11°11	13° 2	7°48	15°27	F 6
S 7	9 7 12	17°52'21	20°48	2°42	12°54	19°57	17°36	3°53	13°30	6°33	14°24	11° 7	12°59	7°55	15°31	S 7
S 8	911 9	18°53'07	2 ॒ 36	2° 9	14° 8	20°43	17°28	3°56	13°32	6°35	14°26	11° 4	12°56	8° 1	15°34	S 8
M 9	9 15 5	19°53'53	14°27	1°44	15°23	21°30	17°20	3°59	13°34	6°37	14°28	11°D 4	12°52	8° 8	15°37	M 9
T 10	9 19 2	20°54'37	26°26	1°28	16°37	22°16	17°12	4° 3	13°36	6°39	14°30	11° 5	12°49	8°15	15°41	T 10
W11	9 22 58	21°55'20	8 M .36	1°19	17°51	23° 3	17° 4	4° 6	13°39	6°42	14°31	11° 6	12°46	8°21	15°44	W11
T 12	9 26 55	22°56'02	21° 4	1°D19	19° 5	23°49	16°56	4° 9	13°41	6°44	14°33	11°R 7	12°43	8°28	15°48	T 12
F 13	9 30 51	23°56'43	3 ∡ 754	1°25	20°20	24°36	16°48	4°12	13°44	6°46	14°35	11° 6	12°40	8°35	15°51	F 13
S 14	9 34 48	24°57'23	17°11	1°38	21°34	25°22	16°41	4°15	13°46	6°48	14°36	11° 4	12°37	8°41	15°55	S 14
S 15	9 38 44	25°58'02	0 궁 56	1°57	22°48	26° 8	16°33	4°17	13°49	6°50	14°38	11° 0	12°33	8°48	15°58	S 15
M16	9 42 41	26°58'40	15°10	2°21	24° 2	26°55	16°25	4°20	13°51	6°53	14°40	10°54	12°30	8°55	16° 2	M16
T 17	9 46 38	27°59'17	29°52	2°51	25°16	27°41	16°17	4°23	13°54	6°55	14°41	10°47	12°27	9° 1	16° 6	T 17
W18	9 50 34	28°59'52	14≈54	3°26	26°30	28°27	16°10	4°25	13°57	6°57	14°43	10°40	12°24	9° 8	16° 9	W18
T 19	9 54 31	0₩ 0'26	0 ∀ 8	4° 6	27°44	29°13	16° 2	4°28	13°59	7° 0	14°45	10°34	12°21	9°15	16°13	T 19
F 20	9 58 27	1° 0'58	15°23	4°49	28°58	29°59	15°55	4°30	14° 2	7° 2	14°46	10°30	12°17	9°21	16°16	F 20
S 21	10 2 24	2° 1'28	0 Υ 29	5°37	0 Υ 12	0 Υ 46	15°47	4°32	14° 5	7° 4	14°48	10°28	12°14	9°28	16°20	S 21
S 22	10 6 20	3° 1'57	15°18	6°27	1°26	1°32	15°40	4°34	14° 7	7° 6	14°49	10°D28	12°11	9°35	16°24	S 22
M23	10 10 17	4° 2'24	29°43	7°22	2°40	2°18	15°33	4°36	14°10	7° 9	14°51	10°29	12° 8	9°41	16°27	M23
T 24	10 14 13	5° 2'49	13 8 43	8°19	3°53	3° 4	15°25	4°38	14°13	7°11	14°52	10°30	12° 5	9°48	16°31	T 24
W25	10 18 10	6° 3'12	27°17	9°19	5° 7	3°50	15°18	4°40	14°16	7°13	14°54	10°32	12° 2	9°55	16°35	W25
T 26	10 22 7	7° 3'33	10Ⅲ27	10°21	6°21	4°36	15°11	4°42	14°19	7°15	14°55	10°R32	11°58	10° 1	16°38	T 26
F 27	10 26 3	8° 3'52	23°16	11°26	7°34	5°22	15° 5	4°43	14°22	7°18	14°57	10°31	11°55	10° 8	16°42	F 27
S 28	10 30 0	9) 4'09	59548	12≈33	8 Ƴ 48	6 Υ 8	14 Ω 58	4 ₹ 45	14 Y 25	7 ∺ 20	14 る 58	10 <u>₽</u> 28	11 ≏ 52	10 m)15	16 ∺ 46	S 28

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17s15	18n 6 5s 3	14s39 3n35	10s55 1s31	6 s33 0 s49	16n13 0n57	18s54 1n59	4n39 0s39	9s52 0s44	20 s34 2n 7	4 s46	5 s 1 5	6n 2	1 s41 4n30
16 58	16 51 5 0	14 55 3 38	8 10 27 1 30	6 14 0 48	16 15 0 57	18 55 1 59	4 40 0 39	9 51 0 44	20 34 2 7	4 41	5 14	6 0	1 40 4 30
16 41	14 51 4 43	15 12 3 38	9 58 1 29	5 55 0 47	16 18 0 57	18 55 1 59	4 41 0 38	9 50 0 44	20 34 2 7	4 37	5 12	5 58	1 39 4 30
16 23	12 13 4 14	15 30 3 35	9 30 1 28	5 37 0 47	16 21 0 57	18 56 2 0	4 41 0 38	9 50 0 44	20 34 2 7	4 32	5 11	5 56	1 38 4 30
16 5	9 7 3 33	15 47 3 31	9 0 1 27	5 18 0 46	16 23 0 58	18 56 2 0	4 42 0 38	9 49 0 44	20 34 2 7	4 28	5 10	5 55	1 37 4 29
15 47	5 40 2 44	16 4 3 25	8 31 1 26	4 59 0 45	16 26 0 58	18 57 2 0	4 43 0 38	9 48 0 44	20 33 2 7	4 26	5 9	5 53	1 36 4 29
15 28	2 1 1 47	16 21 3 17	8 2 1 25	4 40 0 45	16 28 0 58	18 57 2 0	4 44 0 38	9 47 0 44	20 33 2 7	4 24	5 7	5 51	1 34 4 29
15 10	1 s44 0 46	16 37 3 8	7 32 1 24	4 21 0 44	16 31 0 58	18 58 2 0	4 45 0 38	9 46 0 44	20 33 2 7	4 23	5 6	5 49	1 33 4 29
14 51	5 25 0n18	16 52 2 58	7 2 1 22	4 2 0 43	16 33 0 58	18 58 2 0	4 46 0 38	9 46 0 44	20 33 2 7	4 23	5 5	5 48	1 32 4 29
14 31	8 55 1 22	2 17 6 2 48	6 32 1 21	3 43 0 43	16 36 0 58	18 59 2 0	4 47 0 38	9 45 0 44	20 33 2 7	4 23	5 4	5 46	1 31 4 29
14 12	12 6 2 23	17 19 2 36	6 1 1 20	3 24 0 42	16 38 0 58	18 59 2 1	4 48 0 38	9 44 0 44	20 33 2 7	4 23	5 3	5 44	1 30 4 29
13 52	14 49 3 19	17 31 2 25	5 31 1 18	3 5 0 41	16 41 0 58	19 0 2 1	4 49 0 38	9 43 0 44	20 33 2 7	4 24	5 1	5 42	1 28 4 28
13 32	16 53 4 7	17 41 2 13	5 0 1 16	2 46 0 41	16 43 0 58	19 0 2 1	4 50 0 38	9 42 0 44	20 33 2 6	4 24	5 0	5 40	1 27 4 28
13 12	18 7 4 43	17 50 2 0	4 29 1 15	2 27 0 40	16 46 0 58	19 0 2 1	4 51 0 38	9 41 0 44	20 32 2 6	4 23	4 59	5 39	1 26 4 28
12 52	18 21 5 5	17 58 1 48	3 59 1 13	2 8 0 39	16 48 0 58	19 1 2 1	4 52 0 38	9 41 0 44	20 32 2 6	4 21	4 58	5 37	1 25 4 28
12 31	17 28 5 8	8 18 4 1 36	3 28 1 11	1 49 0 38	16 51 0 59	19 1 2 1	4 53 0 38	9 40 0 44	20 32 2 6	4 19	4 56	5 35	1 24 4 28
12 10	15 24 4 53	18 9 1 24	2 57 1 9	1 30 0 38	16 53 0 59	19 1 2 2	4 54 0 38	9 39 0 44	20 32 2 6	4 16	4 55	5 33	1 22 4 28
11 49	12 16 4 16	18 13 1 12	2 25 1 8	1 11 0 37	16 55 0 59	19 2 2 2	4 55 0 38	9 38 0 44	20 32 2 6	4 13	4 54	5 31	1 21 4 28
11 28	8 17 3 22	18 15 1 (1 54 1 6	0 52 0 36	16 58 0 59	19 2 2 2	4 56 0 38	9 37 0 44	20 32 2 6	4 11	4 53	5 30	1 20 4 27
11 7	3 44 2 12	18 16 0 48	3 1 23 1 4	0 33 0 36	17 0 0 59	19 2 2 2	4 57 0 38	9 36 0 44	20 32 2 6	4 10	4 51	5 28	1 18 4 27
10 45	1n 1 0 54	18 16 0 37	0 52 1 1	0 14 0 35	17 2 0 59	19 2 2 2	4 58 0 38	9 36 0 44	20 32 2 6	4 9	4 50	5 26	1 17 4 27
10 23	5 37 0s26	18 14 0 26	0 20 0 59	0n 5 0 34	17 4 0 59	19 3 2 2	4 59 0 38	9 35 0 44	20 31 2 6	4 9	4 49	5 24	1 16 4 27
10 2	9 46 1 43	18 11 0 15	0n11 0 57	0 24 0 34	17 7 0 59	19 3 2 2	5 0 0 38	9 34 0 44	20 31 2 6	4 9	4 48	5 22	1 15 4 27
9 40	13 13 2 52	18 6 0 5	0 43 0 55	0 43 0 33	17 9 0 59	19 3 2 3	5 1 0 38	9 33 0 44	20 31 2 6	4 10	4 46	5 21	1 13 4 27
9 17	15 51 3 48	8 18 0 0s 5	1 14 0 52	1 2 0 32	17 11 0 59	19 3 2 3	5 2 0 38	9 32 0 44	20 31 2 6	4 10	4 45	5 19	1 12 4 27
8 55										4 10	4 44	5 17	1 11 4 27
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S 14			12 56 2 2			17 40 0 59			9 18 0 44			4 24 4	48 0 49 4 20
S 15 M16	2 21		12 26 2 5			17 42 0 59			9 17 0 44			-	46 0 47 4 20
T 17	1 57 1 34	16 16 5 8 13 41 4 39	11 55 2 8 11 23 2 11		6 53 0 19 7 10 0 18				9 17 0 44 9 16 0 44			4 22 4 4 20 4	44 0 46 4 20
W18	1 10	10 9 3 52	10 50 2 13		7 28 0 17				9 15 0 44			-	41 0 43 4 25
T 19	0 46	5 54 2 47	10 16 2 15	12 18 0 11	7 46 0 17		19 2 2 6	5 29 0 37	9 14 0 44	20 29 2 5	3 57	4 18 4	39 0 42 4 25
F 20	0 22	1 14 1 31	9 40 2 16		8 3 0 16				9 13 0 44				37 0 40 4 25
S 21	0n 1	3n30 0 8				17 48 0 59		0 32 0 37	9 13 0 44				35 0 39 4 25
S 22 M23	0 25 0 49	7 58 1s14 11 50 2 30				17 49 0 59 17 50 0 58			9 12 0 44 9 11 0 44				34 0 37 4 25
T 24	1 12	14 53 3 34	7 6 2 17			17 51 0 58			9 11 0 44 9 10 0 44			-	30 0 34 4 25
W25		16 59 4 24	6 25 2 16			17 52 0 58			9 9 0 44				28 0 33 4 25
T 26	2 0	18 4 4 58	-			17 52 0 58			9 9 0 44				26 0 32 4 23
F 27 S 28		18 10 5 15 17 22 5 17	4 58 2 12 4 13 2 10			17 53 0 58 17 54 0 58			9 8 0 44 9 7 0 44			-	24 0 30 4 25
	2 47												
S 29 M30		15 46 5 4 13 30 4 38				17 54 0 58 17 55 0 58							21 0 27 4 20 19 0 26 4 20
T 31		10n41 4s 0	_			17 33 0 38 17n55 0n58			9 6 0 44 9s 5 0s44				n17 0s25 4n20

 $\label{eq:Julian Day Number = 2457082.5, Delta T = 67.71 sec} \\ Ecliptic obliquity = 23°26'06, Nutation = 0°00'05, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°57'08, Lahiri = 24°04'08 \\$

APRIL 2015 00:00 UT

AI IX.	LL LUI.	,													00.0	0 01
Day	Sid.t	0	D	ğ	Ş	♂	4	ħ)∤(,	Р	S.	v	Ç	ę,	Day
W 1	12 36 9	10 Y 56'52	2 m 51	1 Υ 45	17827	0 8 14	12°R41	4°R41	16 Y 8	8) (30	15 る 29	10☎ 0	10₽10	13 m) 48	18) (43	W 1
T 2	12 40 6	11°56'04	14°39	3°39	18°39	0°58	$12\Omega 40$	4 ₹ 39	16°12	8°32	15°29	10° 0	10° 7	13°54	18°47	T 2
F 3	12 44 2	12°55'14	26°29	5°34	19°50	1°43	12°39	4°37	16°15	8°34	15°30	10° 1	10° 4	14° 1	18°50	F 3
S 4	12 47 59	13°54'22	8 亞 22	7°31	21° 1	2°27	12°38	4°35	16°18	8°36	15°30	10°R 1	10° 1	14° 8	18°54	S 4
S 5	12 51 55	14°53'28	20°22	9°29	22°12	3°11	12°37	4°33	16°22	8°38	15°30	10° 1	9°58	14°14	18°57	S 5
M 6	12 55 52	15°52'32	2MJ30	11°29	23°22	3°56	12°36	4°31	16°25	8°39	15°31	10° 0	9°54	14°21	19° 0	M 6
T 7	12 59 49	16°51'34	14°48	13°29	24°33	4°40	12°36	4°29	16°29	8°41	15°31	10° 0	9°51	14°28	19° 4	T 7
W 8	13 3 45	17°50'34	27°18	15°31	25°44	5°24	12°35	4°26	16°32	8°43	15°31	9°59	9°48	14°34	19° 7	W 8
T 9	13 7 42	18°49'33	10 × 1	17°34	26°54	6° 8	12°D35	4°24	16°36	8°45	15°32	9°57	9°45	14°41	19°10	T 9
F 10	13 11 38	19°48'29	22°59	19°38	28° 4	6°52	12°36	4°22	16°39	8°47	15°32	9°56	9°42	14°48	19°14	F 10
S 11	13 15 35	20°47'24	6 ਰ 14	21°42	29°15	7°36	12°36	4°19	16°42	8°49	15°32	9°56	9°39	14°54	19°17	S 11
S 12	13 19 31	21°46'17	19°47	23°48	0П25	8°20	12°36	4°16	16°46	8°51	15°32	9°D55	9°35	15° 1	19°20	S 12
M13	13 23 28	22°45'09	3≈39	25°54	1°35	9° 4	12°37	4°14	16°49	8°52	15°32	9°55	9°32	15° 8	19°24	M13
T 14	13 27 24	23°43'58	17°50	28° 0	2°45	9°48	12°38	4°11	16°53	8°54	15°33	9°56	9°29	15°14	19°27	T 14
W15	13 31 21	24°42'46	2 米 19	0 8 6	3°55	10°32	12°39	4° 8	16°56	8°56	15°33	9°57	9°26	15°21	19°30	W15
T 16	13 35 18	25°41'32	17° 1	2°12	5° 4	11°15	12°40	4° 5	16°59	8°57	15°33	9°58	9°23	15°28	19°33	T 16
F 17	13 39 14	26°40'17	1 Υ 52	4°18	6°14	11°59	12°42	4° 2	17° 3	8°59	15°R33	9°59	9°19	15°34	19°36	F 17
S 18	13 43 11	27°38'59	16°44	6°22	7°24	12°43	12°44	3°59	17° 6	9° 1	15°33	9°R59	9°16	15°41	19°39	S 18
S 19	13 47 7	28°37'40	1831	8°26	8°33	13°26	12°45	3°56	17°10	9° 2	15°33	9°58	9°13	15°48	19°42	S 19
M20	13 51 4	29°36'19	16° 5	10°28	9°42	14°10	12°47	3°53	17°13	9° 4	15°33	9°56	9°10	15°54	19°46	M20
T 21	13 55 0	0 8 34'56	0 Ⅱ 19	12°29	10°51	14°53	12°50	3°49	17°16	9° 6	15°33	9°54	9° 7	16° 1	19°49	T 21
W22	13 58 57	1°33'30	14° 9	14°27	12° 0	15°37	12°52	3°46	17°20	9° 7	15°32	9°51	9° 4	16° 8	19°52	W22
T 23	14 2 53	2°32'03	27°34	16°23	13° 9	16°20	12°54	3°43	17°23	9° 9	15°32	9°48	9° 0	16°14	19°54	T 23
F 24	14 6 50	3°30'33	10934	18°16	14°18	17° 4	12°57	3°39	17°26	9°10	15°32	9°45	8°57	16°21	19°57	F 24
S 25	14 10 47	4°29'02	23°12	20° 6	15°26	17°47	13° 0	3°35	17°30	9°12	15°32	9°43	8°54	16°28	20° 0	S 25
S 26	14 14 43	5°27'28	5 Ω 30	21°53	16°35	18°30	13° 3	3°32	17°33	9°13	15°32	9°D43	8°51	16°34	20° 3	S 26
M27	14 18 40	6°25'52	17°33	23°37	17°43	19°13	13° 6	3°28	17°36	9°15	15°31	9°43	8°48	16°41	20° 6	M27
T 28	14 22 36	7°24'14	29°27	25°17	18°51	19°56	13°10	3°24	17°40	9°16	15°31	9°45	8°45	16°48	20° 9	T 28
W29	14 26 33	8°22'34	11 M)16	26°53	19°59	20°40	13°13	3°21	17°43	9°18	15°31	9°47	8°41	16°54	20°11	W29
T 30	14 30 29	9820'52	23 Mg 4	28 8 25	21 I 7	21 8 23	13 Ω 17	3 ∡ 17	17 Y 46	9) 19	15 云 30	9 ≏ 48	8 亞 38	17 m) 1	20) 14	T 30

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	decl	decl lat	decl	lat decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl la	at	decl	lat	decl	decl	decl	decl l	at
W 1	4n20	7n28 3s1	2 1s 4	1 s55 17n54	0n54 11n26	0s 8	17n55	0n58	18 s 5 8	2n 8	5n46	0s37	9s 4	0 s44	20s28	2n 5	3 s58	4s 2	4n15	0 s23	4n26
T 2	4 43	3 57 2 1	6 0 14	1 50 18 17	0 57 11 42	0 7	17 56	0 58	18 58	2 8	5 48	0 37	9 4	0 45	20 28	2 5	3 58	4 0	4 14	0 22	4 26
F 3	5 6	0 16 1 1	5 0n37	1 44 18 40	1 1 11 58	0 6	17 56	0 58	18 57	2 9	5 49	0 37	9 3	0 45	20 28	2 4	3 58	3 59	4 12	0 20	4 26
S 4	5 29	3 s28 0	9 1 29	1 38 19 2	1 4 12 14	0 6	17 56	0 58	18 57	2 9	5 50	0 37	9 2	0 45	20 28	2 4	3 58	3 58	4 10	0 19	4 26
S 5	5 52	7 4 0n5	7 2 21	1 32 19 24	1 7 12 30	0 5	17 56	0 58	18 56	2 9	5 52	0 37	9 1	0 45	20 28	2 4	3 58	3 57	4 8	0 18	4 26
M 6	6 15	10 26 2	2 3 14	1 25 19 45	1 11 12 40	0 4	17 57	0 58	18 56	2 9	5 53	0 37	9 1	0 45	20 28	2 4	3 58	3 55	4 6	0 16	4 26
T 7	6 37	13 23 3	2 4 8	1 17 20 6	1 14 13	0 4	17 57	0 57	18 55	2 9	5 54	0 37	9 0	0 45	20 28	2 4	3 57	3 54	4 4	0 15	4 26
W 8	7 0	15 46 3 5	54 5 2	1 9 20 26	1 17 13 17	0 3	17 57	0 57	18 55	2 9	5 56	0 37	8 59	0 45	20 28	2 4	3 57	3 53	4 3	0 14	4 26
T 9	7 22	17 25 4 3	5 5 57	1 1 20 46	1 20 13 32	0 2		0 57		2 9	5 57	0 37	8 59	0 45	20 28	2 4	3 57	3 52	4 1	0 12	4 26
F 10	7 45	-	3 6 53	0 52 21 5	1 24 13 47	0 1	17 56			2 9	5 58	0 37			20 28	2 4	3 56	3 50	3 59	0 11	4 26
S 11	8 7	18 1 5 1	7 48	0 43 21 24	1 27 14 2	0 1	17 56	0 57	18 53	2 10	6 0	0 37	8 57	0 45	20 28	2 4	3 56	3 49	3 57	0 10	4 26
S 12	8 29	16 49 5 1	3 8 43	0 33 21 42	1 30 14 17	0 0	17 56	0 57	18 52	2 10	6 1	0 37	8 57	0 45	20 28	2 4	3 56	3 48	3 55	0 8	4 26
M13		14 37 4 5		0 23 22 0			17 56	0 57		2 10	6 2	0 37			20 28	2 4	3 56	3 47	3 54	0 7	4 26
T 14		11 30 4 1		0 12 22 17	1 36 14 40		17 55	0 57		2 10	6 3	0 37			20 28	2 4	3 56	3 45	3 52	0 6	4 26
W15	9 34		4 11 29	0 2 22 33	1 39 15 (0 2		0 57		2 10	6 5	0 37		-	20 28	2 4	3 57	3 44	3 50	0 4	4 26
T 16	9 56		4 12 23	0n 9 22 49	1 42 15 15			0 57		2 10	6 6	0 37		0 45	20 29	2 4	3 57	3 43	3 48	0 3	4 27
F 17	10 17	1n26 0 4		0 20 23 4	1 45 15 29			0 57		2 10	6 7	0 37			20 29	2 4	3 57	3 42	3 46	0 2	4 27
S 18	10 38	6 0 0s3	7 14 8	0 31 23 19	1 48 15 43	0 4	17 53	0 57	18 48	2 10	6 9	0 37	8 53	0 45	20 29	2 4	3 57	3 40	3 44	0 0	4 27
S 19	10 59	10 11 1 5	66 14 59	0 42 23 33	1 51 15 50			0 56	18 48	2 10	6 10	0 37	8 52	0 45	20 29	2 4	3 57	3 39	3 43	0n 1	4 27
M20	11 20	13 40 3	7 15 48	0 53 23 47	1 54 16 10		17 52	0 56		2 10	6 11	0 37			20 29	2 4	3 56	3 38	3 41	0 2	4 27
T 21	11 40		3 16 35	1 4 24 0	1 57 16 24		17 52	0 56		2 11	6 13	0 37			20 29	2 4	3 55	3 37	3 39	0 4	4 27
W22			4 17 21	1 14 24 12	2 0 16 37			0 56		2 11	6 14				20 29	2 4	3 54	3 35	3 37	0 5	4 27
T 23			8 18 5	1 24 24 24	2 2 16 50		-, -			2 11	6 15				20 29	2 4	3 53	3 34	3 35	0 6	4 27
F 24			5 18 46	1 34 24 35	2 5 17 3			0 56	-	2 11	6 16	0 37			20 29	2 4	3 52	3 33	3 34	0 7	4 27
S 25	13 1	16 24 5	7 19 25	1 43 24 45	2 8 17 16	0 8	17 48	0 56	18 44	2 11	6 18	0 37	8 49	0 45	20 29	2 4	3 51	3 32	3 32	0 9	4 27
S 26	13 20	14 18 4 4	4 20 2	1 52 24 55	2 10 17 28		17 47	0 56		2 11	6 19	0 37	8 48	0 45	20 29	2 4	3 51	3 30	3 30	0 10	4 28
M27	13 40	11 37 4	9 20 36	2 0 25 4	2 12 17 41		17 46	0 56	18 42	2 11	6 20	0 37	8 48	0 45	20 29	2 4	3 51	3 29	3 28	0 11	4 28
T 28	13 59	8 28 3 2		2 7 25 12	2 15 17 53		17 45	0 56	-	2 11	6 21	0 37	-		20 29	2 4	3 52	3 28	3 26	0 12	4 28
W29	14 18	-	1 21 37	2 14 25 20	2 17 18 5			0 56	-	2 11	6 23	0 37		-	20 29	2 4	3 52	3 27	3 24	0 13	4 28
T 30	14n36	1n22 1s3	1 22n 4	2n20 25n27	2n19 18n17	0n11	17n43	0n55	18 s40	2n11	6n24	0s37	8 s46	0 s45	20s29	2n 4	3 s53	3 s25	3n23	0n14	4n28

 $\label{eq:Julian Day Number = 2457113.5, Delta T = 67.75 sec} \\ Ecliptic obliquity = 23°26'06, Nutation = 0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°57'12, Lahiri = 24°04'12 \\$

MAY 2015 00:00 UT

Day	Sid.t	0)	ğ	φ	ď	4	ħ)∤(,	Р	V	S	Ç	ę,	Day
F 1	14 34 26	10819'07	4 <u>₽</u> 56	29 8 53	22 I I15	22 8 6	13 Ω 21	3°R13	17 Υ 49	9 米 20	15°R30	9°R49	8 ₾ 35	17 m) 7	20) 17	F 1
S 2	14 38 22	11°17'21	16°56	1 I I7	23°22	22°49	13°25	3 ∡ 9	17°53	9°22	15 る 29	9 ≙ 49	8°32	17°14	20°19	S 2
S 3	14 42 19	12°15'33	29° 5	2°36	24°29	23°31	13°29	3° 5	17°56	9°23	15°29	9°48	8°29	17°21	20°22	S 3
M 4	14 46 16	13°13'44	11 M 27	3°51	25°36	24°14	13°34	3° 1	17°59	9°24	15°29	9°44	8°25	17°27	20°25	M 4
T 5	14 50 12	14°11'52	24° 2	5° 2	26°43	24°57	13°38	2°57	18° 2	9°25	15°28	9°40	8°22	17°34	20°27	T 5
W 6	14 54 9	15° 9'59	6 ₹ 52	6° 8	27°50	25°40	13°43	2°53	18° 5	9°27	15°28	9°34	8°19	17°41	20°30	W 6
T 7	14 58 5	16° 8'04	19°55	7° 9	28°57	26°23	13°48	2°49	18° 8	9°28	15°27	9°28	8°16	17°47	20°32	T 7
F 8	15 2 2	17° 6'08	3 ਰ 11	8° 6	0න 3	27° 5	13°53	2°44	18°12	9°29	15°26	9°22	8°13	17°54	20°34	F 8
S 9	15 5 58	18° 4'11	16°41	8°58	1° 9	27°48	13°58	2°40	18°15	9°30	15°26	9°18	8°10	18° 1	20°37	S 9
S 10	15 9 55	19° 2'12	0≈22	9°46	2°15	28°30	14° 4	2°36	18°18	9°31	15°25	9°14	8° 6	18° 7	20°39	S 10
M11	15 13 51	20° 0'11	14°15	10°28	3°21	29°13	14° 9	2°32	18°21	9°32	15°24	9°D13	8° 3	18°14	20°41	M11
T 12	15 17 48	20°58'10	28°18	11° 6	4°27	29°55	14°15	2°27	18°24	9°33	15°24	9°13	8° 0	18°21	20°44	T 12
W13	15 21 45	21°56'07	12) (31	11°38	5°32	0Д38	14°21	2°23	18°27	9°34	15°23	9°14	7°57	18°27	20°46	W13
T 14	15 25 41	22°54'03	26°52	12° 6	6°37	1°20	14°27	2°19	18°30	9°35	15°22	9°15	7°54	18°34	20°48	T 14
F 15	15 29 38	23°51'57	11 Y 18	12°28	7°42	2° 2	14°33	2°14	18°33	9°36	15°22	9°R16	7°51	18°41	20°50	F 15
S 16	15 33 34	24°49'51	25°46	12°46	8°47	2°45	14°39	2°10	18°36	9°37	15°21	9°14	7°47	18°47	20°52	S 16
S 17	15 37 31	25°47'43	10811	12°58	9°51	3°27	14°46	2° 5	18°39	9°38	15°20	9°11	7°44	18°54	20°54	S 17
M18	15 41 27	26°45'33	24°27	13° 6	10°56	4° 9	14°52	2° 1	18°41	9°39	15°19	9° 6	7°41	19° 1	20°56	M18
T 19	15 45 24	27°43'23	8耳28	13°R 9	12° 0	4°51	14°59	1°56	18°44	9°39	15°18	8°59	7°38	19° 7	20°58	T 19
W20	15 49 20	28°41'11	22°12	13° 7	13° 4	5°33	15° 6	1°52	18°47	9°40	15°17	8°51	7°35	19°14	21° 0	W20
T 21	15 53 17	29°38'57	5934	13° 0	14° 7	6°15	15°13	1°47	18°50	9°41	15°16	8°42	7°31	19°21	21° 2	T 21
F 22 S 23	15 57 14 16 1 10	0 Ⅲ 36'42 1°34'25	18°34 1 Ω 12	12°49 12°34	15°10 16°13	6°57 7°39	15°20 15°27	1°43 1°39	18°53 18°55	9°42 9°42	15°15 15°14	8°35 8°29	7°28 7°25	19°27 19°34	21° 3 21° 5	F 22 S 23
S 24	16 5 7	2°32'07	13°31	12°15	17°16	8°21	15°34	1°34	18°58	9°43	15°14	8°25	7°22	19°41	21° 7	S 24
M25	16 9 3	3°29'47	25°35	11°52	18°18	9° 3	15°42	1°30	19° 1	9°44	15°13	8°23	7°19	19°47	21° 8	M25
T 26	16 13 0	4°27'26	7 m) 30	11°27	19°20	9°45	15°49	1°25	19° 3	9°44	15°11	8°D23	7°16	19°54	21°10	T 26
W27	16 16 56	5°25'03	19°19	10°58	20°22	10°26	15°57	1°21	19° 6	9°45	15°10	8°23	7°12	20° 0	21°12	W27
T 28	16 20 53	6°22'39	1 <u>0</u> 8	10°28	21°24	11° 8	16° 5	1°16	19° 9 19°11	9°45	15° 9 15° 8	8°24	7° 9	20° 7	21°13	T 28 F 29
F 29 S 30	16 24 49 16 28 46	7°20'13 8°17'46	13° 3 25° 8	9°55 9°22	22°25 23°26	11°50 12°31	16°13 16°21	1°12 1° 7	19°11 19°14	9°46 9°46	15° 8 15° 7	8°R24 8°23	7° 6 7° 3	20°14 20°20	21°14 21°16	F 29 S 30
							-						-			
S 31	16 32 43	9 Ⅱ 15'17	7 M 26	8 Ⅱ 48	249526	13 II 13	16 Ω 29	1 才 3	19 Y 16	9)(47	15 궁 6	8 亞 19	7 요 0	20 m 27	21 米 17	S 31

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F 1 S 2	14n55 15 13	2 s22 0 s27 6 3 0n39		2n25 25n34 2n22 2 29 25 40 2 24		17n42 0n55 17 40 0 55		6n25 0s37 6 26 0 37		20 s29 2n 4 20 29 2 3		24 3n21 23 3 19	0n16 4n28 0 17 4 28
S 3 M 4 T 5	15 31 15 48 16 6	12 39 2 44	23 27 2	2 34 25 49 2 28	19 3 0 14	17 39 0 55 17 38 0 55 17 36 0 55	18 37 2 11	6 27 0 37 6 29 0 37 6 30 0 37	8 45 0 45 8 45 0 45 8 44 0 45	20 30 2 3	3 51 3	22 3 17 20 3 15 19 3 13	0 18 4 28 0 19 4 29 0 20 4 29
W 6 T 7 F 8 S 9	16 23 16 40 16 56	17 9 4 22 18 11 4 53 18 15 5 9	23 54 2 24 4 2 24 12 2	2 36 25 56 2 31 2 36 25 59 2 33 2 34 26 1 2 35	19 25 0 15 19 36 0 16 19 46 0 16	17 35 0 55 17 33 0 55 17 32 0 55	18 35 2 11 18 34 2 11 18 33 2 11	6 31 0 37 6 32 0 37 6 33 0 37	8 44 0 45 8 43 0 46 8 43 0 46	20 30 2 3 20 30 2 3 20 30 2 3	3 47 3 3 45 3 3 43 3	18 3 12 17 3 10 15 3 8	0 21 4 29 0 22 4 29 0 23 4 29
S 10 M11 T 12	17 29 17 44	15 21 4 50 12 29 4 15	24 21 2 24 23 2	2 28 <mark>26 2</mark> 2 37 2 23 <mark>26 2</mark> 2 39	20 7 0 18 20 16 0 18	17 29 0 55 17 27 0 55	18 31 2 11	6 35 0 37 6 36 0 37 6 37 0 37 6 38 0 37	8 42 0 46 8 42 0 46	20 30 2 3 20 30 2 3 20 30 2 3 20 31 2 3	3 40 3 3 39 3	14 3 6 13 3 4 12 3 2	0 26 4 29 0 27 4 30
W13 T 14 F 15	18 0 18 15 18 30 18 44	4 42 2 20 0 14 1 7	24 20 2 24 16 2	2 11 26 0 2 41 2 3 25 58 2 42	20 36 0 19			6 38 0 37 6 39 0 37 6 40 0 37 6 41 0 37	8 41 0 46 8 41 0 46		3 39 3 3 39 3 3 40 3 3 40 3	10 3 1 9 2 59 8 2 57 7 2 55	0 28 4 30 0 29 4 30 0 30 4 30 0 31 4 30
S 16 S 17 M18	18 58 19 12 19 26	12 21 2 39	23 53 1			17 16 0 54	18 27 2 11 18 26 2 11 18 25 2 11	6 43 0 37 6 44 0 37 6 45 0 37		20 31 2 3 20 31 2 3 20 31 2 3	3 40 3 3 38 3 3 36 3	5 2 53 4 2 52 3 2 50	
T 19 W20 T 21	19 39 19 52	17 21 4 25	23 30 1 23 15 0	1 8 25 38 2 45 0 54 25 32 2 45	21 28 0 23	17 12 0 54 17 10 0 54	18 24 2 11 18 23 2 11	6 46 0 37 6 47 0 37 6 48 0 37	8 39 0 46 8 39 0 46 8 39 0 46	20 32 2 3 20 32 2 3	3 34 3 3 30 3	2 2 48 0 2 46 59 2 44	0 34 4 31 0 35 4 31 0 36 4 31
F 22 S 23	20 16 20 28	17 9 5 3 15 16 4 44	22 43 0 22 25 0	25 19 2 46 25 11 2 46	21 52 0 25 22 0 0 25	17 6 0 54 17 3 0 54	18 22 2 11 18 21 2 11	6 49 0 38 6 50 0 38	8 39 0 46 8 38 0 46	20 32 2 3 20 32 2 2	3 24 2 3 22 2	58 2 42 57 2 41	0 37 4 31 0 38 4 32
S 24 M25 T 26	20 40 20 51 21 2	9 42 3 29 6 18 2 38	21 46 0 21 26 0	0 44 <mark>24 45</mark> 2 45	22 14 0 26 22 21 0 27	16 59 0 53 16 56 0 53	18 18 2 11	6 51 0 38 6 52 0 38 6 53 0 38	8 38 0 46 8 38 0 46	20 33 2 2	3 19 2 3 19 2	55 2 39 54 2 37 53 2 35	0 38 4 32 0 39 4 32 0 40 4 32
F 29	21 12 21 22 21 32 21 41	1 s 3 0 39 4 46 0n25	20 43 1 20 21 1	1 19 <mark>24 25</mark> 2 43 1 36 <mark>24 14</mark> 2 42	22 40 0 28	16 52 0 53 16 49 0 53		6 54 0 38 6 55 0 38 6 56 0 38 6 57 0 38	8 38 0 46 8 37 0 46 8 37 0 46 8 37 0 46	20 33 2 2	3 20 2 3 20 2	52 2 33 50 2 31 49 2 30 48 2 28	0 41 4 32 0 42 4 32 0 42 4 33 0 43 4 33
	21n50						18 s14 2 n11	6n58 0s38		20 s34 2n 2		47 2n26	

 $\label{eq:Julian Day Number = 2457143.5, Delta T = 67.78 sec} \\ Ecliptic obliquity = 23°26'05, Nutation = 0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°57'16, Lahiri = 24°04'16} \\$

JUNE 2015 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	u	Ω	Ç	ę,	Day
M 1	16 36 39	10 I I12'48	20 M 1	8°R15	25926	13 II 54	16 Ω 37	0°R59	19 Υ 19	9)(47	15°R 5	8°R13	6 ₽ 56	20 m 34	21 米 18	M 1
T 2	16 40 36	11°10'17	2 ₹ 54	7 Ⅱ 42	26°26	14°36	16°46	0 ∡ 754	19°21	9°47	15 る 4	8 亞 5	6°53	20°40	21°20	T 2
W 3	16 44 32	12° 7'45	16° 4	7°10	27°25	15°17	16°54	0°50	19°23	9°48	15° 3	7°55	6°50	20°47	21°21	W 3
T 4	16 48 29	13° 5'12	29°31	6°40	28°24	15°59	17° 3	0°45	19°26	9°48	15° 1	7°44	6°47	20°54	21°22	T 4
F 5	16 52 25	14° 2'39	13 る 13	6°12	29°22	16°40	17°12	0°41	19°28	9°48	15° 0	7°34	6°44	21° 0	21°23	F 5
S 6	16 56 22	15° 0'04	27° 5	5°47	0№20	17°21	17°21	0°37	19°30	9°48	14°59	7°25	6°41	21° 7	21°24	S 6
S 7	17 0 18	15°57'29	11≈ 4	5°25	1°18	18° 3	17°30	0°33	19°33	9°49	14°58	7°19	6°37	21°14	21°25	S 7
M 8	17 4 15	16°54'53	25° 8	5° 7	2°15	18°44	17°39	0°28	19°35	9°49	14°56	7°15	6°34	21°20	21°26	M 8
T 9	17 8 12	17°52'17	9) 15	4°53	3°12	19°25	17°48	0°24	19°37	9°49	14°55	7°13	6°31	21°27	21°27	T 9
W10	17 12 8	18°49'40	23°23	4°42	4° 8	20° 6	17°57	0°20	19°39	9°49	14°54	7°D13	6°28	21°34	21°28	W10
T 11	17 16 5	19°47'02	7 Ƴ 31	4°36	5° 4	20°47	18° 7	0°16	19°41	9°49	14°53	7°R13	6°25	21°40	21°28	T 11
F 12	17 20 1	20°44'24	21°38	4°D34	5°59	21°28	18°16	0°12	19°43	9°R49	14°51	7°12	6°22	21°47	21°29	F 12
S 13	17 23 58	21°41'46	5 8 42	4°36	6°54	22° 9	18°26	0° 8	19°45	9°49	14°50	7°10	6°18	21°54	21°30	S 13
S 14	17 27 54	22°39'07	19°41	4°43	7°48	22°50	18°36	0° 4	19°47	9°49	14°49	7° 5	6°15	22° 0	21°30	S 14
M15	17 31 51	23°36'27	3 Ⅲ 32	4°55	8°42	23°31	18°45	0° 0	19°49	9°49	14°47	6°57	6°12	22° 7	21°31	M15
T 16	17 35 47	24°33'48	17°12	5°11	9°35	24°12	18°55	29M56	19°51	9°49	14°46	6°46	6° 9	22°13	21°31	T 16
W17	17 39 44	25°31'07	0ഇ38	5°32	10°27	24°53	19° 5	29°52	19°53	9°49	14°44	6°34	6° 6	22°20	21°32	W17
T 18	17 43 41	26°28'26	13°47	5°57	11°19	25°33	19°15	29°49	19°55	9°49	14°43	6°22	6° 2	22°27	21°32	T 18
F 19	17 47 37	27°25'44	26°38	6°27	12°10	26°14	19°26	29°45	19°57	9°48	14°42	6°11	5°59	22°33	21°33	F 19
S 20	17 51 34	28°23'02	9 Ω 11	7° 1	13° 1	26°55	19°36	29°41	19°58	9°48	14°40	6° 1	5°56	22°40	21°33	S 20
S 21	17 55 30	29°20'19	21°27	7°39	13°51	27°35	19°46	29°38	20° 0	9°48	14°39	5°54	5°53	22°47	21°33	S 21
M22	17 59 27	09517'35	3 m 30	8°22	14°40	28°16	19°57	29°34	20° 2	9°48	14°37	5°49	5°50	22°53	21°33	M22
T 23	18 3 23	1°14'50	15°24	9° 9	15°28	28°57	20° 7	29°31	20° 3	9°47	14°36	5°47	5°47	23° 0	21°33	T 23
W24	18 7 20	2°12'05	27°12	10° 0	16°16	29°37	20°18	29°27	20° 5	9°47	14°34	5°47	5°43	23° 7	21°R33	W24
T 25	18 11 16	3° 9'19	9 ₾ 2	10°55	17° 3	09୍ତ18	20°28	29°24	20° 6	9°46	14°33	5°46	5°40	23°13	21°33	T 25
F 26	18 15 13	4° 6'33	20°58	11°54	17°48	0°58	20°39	29°21	20° 8	9°46	14°32	5°46	5°37	23°20	21°33	F 26
S 27	18 19 10	5° 3'46	3M 5	12°57	18°34	1°38	20°50	29°17	20° 9	9°46	14°30	5°44	5°34	23°27	21°33	S 27
S 28	18 23 6	6° 0'58	15°28	14° 4	19°18	2°19	21° 1	29°14	20°11	9°45	14°29	5°40	5°31	23°33	21°33	S 28
M29	18 27 3	6°58'10	28°12	15°15	20° 1	2°59	21°12	29°11	20°12	9°45	1 <u>4</u> °27	5°33	5°28	23°40	21°33	M29
T 30	18 30 59	7955'22	11 .7 17	16Ⅱ29	20 Ω 43	3939	21 £ 23	29M 8	20 Y 13	9){ 44	14 궁 26	5 ≏ 24	5 ≏ 24	23 m 47	21 米 33	T 30

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	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
M 1	21n59	14 s29	3n23	19n17		23n39		22n58	0n30	16n42			2n10	6n59	0s38	8 s 3 7	0 s46	20s34	2n 2	3 s16	2 s45	2n24	0n44	4n33
T 2	22 7	16 40		18 57	2 41		2 37		0 31	16 39	0 53		2 10	6 59	0 38	8 37	0 46	20 34	2 2	3 12	2 44	2 22	0 45	4 33
W 3	22 15	-	4 42	18 37	2 55		2 35		0 31	16 36	0 53		2 10	7 0	0 38	8 37	0 46	20 34	2 2	3 8	2 43	2 20	0 46	4 34
T 4	22 22	18 26	5 0	18 19	3 8				0 32		0 53		2 10	7 1	0 38	8 37	0 46	20 34	2 2	3 4	2 42	2 19	0 46	4 34
F 5	22 29		5 2	18 3	3 21	22 45	2 32	23 18	0 32	16 31	0 53	18 10	2 10	7 2	0 38	8 37	0 47	20 34	2 2	3 0	2 40	2 17	0 47	4 34
S 6	22 35	16 4	4 46	17 48	3 31	22 30	2 30	23 23	0 33	16 28	0 53	18 9	2 10	7 3	0 38	8 37	0 47	20 35	2 2	2 57	2 39	2 15	0 48	4 34
S 7	22 42	13 24	4 13	17 34	3 41	22 16	2 27	23 27	0 33	16 25	0 53	18 9	2 10	7 4	0 38	8 37	0 47	20 35	2 2	2 54	2 38	2 13	0 48	4 34
M 8	22 47	9 56	3 24	17 23	3 50	22 0	2 25	23 31	0 34	16 23	0 53	18 8	2 10	7 5	0 38	8 36	0 47	20 35	2 1	2 53	2 37	2 11	0 49	4 35
T 9	22 53	5 53	2 23	17 13	3 57	21 44	2 22	23 35	0 34	16 20	0 53	18 7	2 10	7 5	0 38	8 36	0 47	20 35	2 1	2 52	2 35	2 9	0 49	4 35
W10	22 58	1 31	1 13	17 6	4 3	21 28	2 19	23 39	0 35	16 17	0 52	18 6	2 9	7 6	0 38	8 36	0 47	20 36	2 1	2 52	2 34	2 8	0 50	4 35
T 11	23 2	2n58	0s 2	17 0	4 7	21 12	2 16	23 42	0 35	16 14	0 52	18 6	2 9	7 7	0 38	8 36	0 47	20 36	2 1	2 52	2 33	2 6	0 50	4 35
F 12	23 7	7 15	1 16	16 56	4 11	20 55	2 13	23 45	0 36	16 11	0 52	18 5	2 9	7 8	0 38	8 37	0 47	20 36	2 1	2 52	2 31	2 4	0 51	4 35
S 13	23 10	11 8	2 25	16 55	4 13	20 38	2 10	23 48	0 36	16 8	0 52	18 4	2 9	7 8	0 38	8 37	0 47	20 36	2 1	2 51	2 30	2 2	0 51	4 36
S 14	23 14	14 22	3 25	16 55	4 14	20 21	2 6	23 51	0 37	16 5	0 52	18 4	2 9	7 9	0 38	8 37	0 47	20 36	2 1	2 49	2 29	2 0	0 51	4 36
M15	23 17	16 44	4 12	16 57	4 14	20 3	2 2	23 54	0 37	16 2	0 52	18 3	2 9	7 10	0 38	8 37	0 47	20 37	2 1	2 45	2 28	1 58	0 52	4 36
T 16	23 19	18 6	4 44	17 1	4 12	19 45	1 58	23 56	0 38	15 58	0 52	18 2	2 9	7 11	0 38	8 37	0 47	20 37	2 1	2 41	2 26	1 57	0 52	4 36
W17	23 22	18 26	5 0	17 7	4 10	19 27	1 54	23 58	0 38	15 55	0 52	18 2	2 8	7 11	0 38	8 37	0 47	20 37	2 1	2 37	2 25	1 55	0 53	4 36
T 18	23 23	17 46	4 59	17 15	4 7	19 8	1 50	24 0	0 39	15 52	0 52	18 1	2 8	7 12	0 38	8 37	0 47	20 37	2 1	2 32	2 24	1 53	0 53	4 37
F 19	23 25	16 12	4 42	17 24	4 2	18 50	1 45	24 2	0 39	15 49	0 52	18 0	2 8	7 13	0 38	8 37	0 47	20 38	2 1	2 27	2 23	1 51	0 53	4 37
S 20	23 25	13 53	4 13	17 35	3 57	18 31	1 40	24 4	0 40	15 46	0 52	18 0	2 8	7 13	0 38	8 37	0 47	20 38	2 1	2 23	2 21	1 49	0 53	4 37
S 21	23 26	11 0	3 32	17 47	3 51	18 11	1 35	24 5	0 40	15 42	0 52	17 59	2 8	7 14	0 38	8 37	0 47	20 38	2 0	2 21	2 20	1 47	0 54	4 37
M22	23 26	7 42	2 42	18 0	3 45	17 52	1 30	24 6	0 41	15 39	0 52	17 59	2 8	7 14	0 38	8 37	0 47	20 38	2 0	2 19	2 19	1 46	0 54	4 37
T 23	23 26	4 8	1 46	18 14	3 37	17 33	1 25	24 7	0 41	15 36	0 52	17 58	2 7	7 15	0 38	8 38	0 47	20 38	2 0	2 18	2 18	1 44	0 54	4 38
W24	23 25	0 25	0 45	18 30	3 29	17 13	1 19	24 8	0 42	15 32	0 52	17 57	2 7	7 15	0 38	8 38	0 47	20 39	2 0	2 18	2 16	1 42	0 54	4 38
T 25	23 24	3 s 1 9	0n17	18 46	3 20	16 53	1 13	24 8	0 42	15 29	0 52	17 57	2 7	7 16	0 38	8 38	0 47	20 39	2 0	2 18	2 15	1 40	0 55	4 38
F 26	23 22	6 57	1 20	19 4	3 11	16 34	1 7	24 9	0 43	15 25	0 52	17 56	2 7	7 17	0 38	8 38	0 47	20 39	2 0	2 17	2 14	1 38	0 55	4 38
S 27	23 20	10 21	2 19	19 21	3 1	16 14	1 1	24 9	0 43	15 22	0 52	17 56	2 7	7 17	0 38	8 38	0 47	20 39	2 0	2 17	2 13	1 36	0 55	4 38
S 28	23 18	13 23	3 14	19 40	2 51	15 54	0 54	24 8	0 44	15 18	0 52	17 55	2 7	7 18	0 38	8 39	0 47	20 40	2 0	2 15	2 11	1 35	0 55	4 39
M29	23 15	15 51	4 0	19 58	2 40	15 34	0 48	24 8	0 44	15 15	0 52	17 55	2 6	7 18	0 38	8 39	0 47	20 40	2 0	2 12	2 10	1 33	0 55	4 39
T 30	23n12	17s35	4n35	20n17	2 s 2 8	15n14	0n41	24n 8	0n45	15n11	0n52	17s54	2n 6	7n19	0 s 3 8	8 s 3 9	0 s47	20 s40	2n 0	2s 9	2s 9	1n31	0n55	4n39

Julian Day Number = 2457174.5, Delta T = 67.82 sec Ecliptic obliquity = $23^{\circ}26'05$, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}57'20$, Lahiri = $24^{\circ}04'21$

JULY 2015 00:00 UT

Day	Sid.t	0	D	ğ	φ	δ	4	ħ) / (#	Р	Ç	ນ	Ç	Š,	Day
W 1	18 34 56	8952'34	24 × 745	17 Ⅱ 48	21 N 24	49520	21 Ω 34	29°R 5	20 Υ 14	9°R44	14°R24	5°R13	5 <u>₽</u> 21	23 m 53	21°R32	W 1
T 2	18 38 52	9°49'45	8 궁 34	19°10	22° 4	5° 0	21°45	29M 2	20°16	9) (43	14 궁 23	5 ♀ 1	5°18	24° 0	21 米 32	T 2
F 3	18 42 49	10°46'56	22°40	20°35	22°43	5°40	21°56	29° 0	20°17	9°42	14°21	4°50	5°15	24° 7	21°31	F 3
S 4	18 46 45	11°44'07	6≈58	22° 5	23°21	6°20	22° 8	28°57	20°18	9°42	14°20	4°40	5°12	24°13	21°31	S 4
S 5	18 50 42	12°41'18	21°22	23°37	23°58	7° 0	22°19	28°54	20°19	9°41	14°18	4°33	5° 8	24°20	21°30	S 5
M 6	18 54 39	13°38'29	5) (46	25°14	24°34	7°40	22°30	28°52	20°20	9°40	14°17	4°28	5° 5	24°26	21°30	M 6
T 7	18 58 35	14°35'41	20° 7	26°54	25° 8	8°20	22°42	28°49	20°21	9°39	14°15	4°26	5° 2	24°33	21°29	T 7
W 8	19 2 32	15°32'53	4 Υ 22	28°37	25°41	9° 0	22°53	28°47	20°22	9°39	14°14	4°D25	4°59	24°40	21°28	W 8
T 9	19 6 28	16°30'05	18°28	0ණ23	26°12	9°40	23° 5	28°45	20°23	9°38	14°12	4°R25	4°56	24°46	21°28	T 9
F 10	19 10 25	17°27'18	2 8 25	2°12	26°42	10°20	23°17	28°43	20°24	9°37	14°11	4°25	4°53	24°53	21°27	F 10
S 11	19 14 21	18°24'31	16°13	4° 5	27°11	11° 0	23°28	28°40	20°24	9°36	14° 9	4°22	4°49	25° 0	21°26	S 11
S 12	19 18 18	19°21'44	29°51	6° 0	27°38	11°40	23°40	28°38	20°25	9°35	14° 8	4°17	4°46	25° 6	21°25	S 12
M13	19 22 14	20°18'58	13 Ⅱ 19	7°58	28° 4	12°19	23°52	28°36	20°26	9°34	14° 6	4°10	4°43	25°13	21°24	M13
T 14	19 26 11	21°16'13	26°35	9°58	28°28	12°59	24° 4	28°35	20°26	9°33	14° 5	4° 0	4°40	25°20	21°23	T 14
W15	19 30 8	22°13'28	9939	12° 0	28°50	13°39	24°16	28°33	20°27	9°33	14° 3	3°48	4°37	25°26	21°22	W15
T 16	19 34 4	23°10'43	22°29	14° 4	29°10	14°19	24°28	28°31	20°28	9°32	14° 2	3°36	4°34	25°33	21°21	T 16
F 17	19 38 1	24° 7'59	5 Ω 5	16° 9	29°29	14°58	24°40	28°30	20°28	9°31	14° 0	3°25	4°30	25°40	21°20	F 17
S 18	19 41 57	25° 5'14	17°27	18°15	29°46	15°38	24°52	28°28	20°28	9°29	13°59	3°16	4°27	25°46	21°19	S 18
S 19	19 45 54	26° 2'31	29°37	20°23	0 Mp 1	16°18	25° 4	28°27	20°29	9°28	13°57	3° 8	4°24	25°53	21°17	S 19
M20	19 49 50	26°59'47	11 m 35	22°31	0°14	16°57	25°17	28°25	20°29	9°27	13°56	3° 4	4°21	26° 0	21°16	M20
T 21	19 53 47	27°57'04	23°26	24°39	0°25	17°37	25°29	28°24	20°29	9°26	13°55	3° 2	4°18	26° 6	21°15	T 21
W22	19 57 43	28°54'20	5 ₽ 13	26°47	0°33	18°16	25°41	28°23	20°30	9°25	13°53	3°D 1	4°14	26°13	21°13	W22
T 23	20 1 40	29°51'38	17° 1	28°55	0°40	18°55	25°53	28°22	20°30	9°24	13°52	3° 2	4°11	26°19	21°12	T 23
F 24	20 5 37	0 ん 48'55	28°56	1 Q 2	0°44	19°35	26° 6	28°21	20°30	9°23	13°50	3°R 2	4° 8	26°26	21°10	F 24
S 25	20 9 33	1°46'13	11 M 3	3° 9	0°R46	20°14	26°18	28°20	20°30	9°22	13°49	3° 2	4° 5	26°33	21° 9	S 25
S 26	20 13 30	2°43'31	23°27	5°15	0°46	20°54	26°31	28°19	20°R30	9°20	13°47	3° 0	4° 2	26°39	21° 7	S 26
M27	20 17 26	3°40'50	6 ₹ 13	7°19	0°43	21°33	26°43	28°19	20°30	9°19	13°46	2°55	3°59	26°46	21° 6	M27
T 28	20 21 23	4°38'09	19°23	9°22	0°38	22°12	26°56	28°18	20°30	9°18	13°45	2°49	3°55	26°53	21° 4	T 28
W29	20 25 19	5°35'29	2 る 59	11°24	0°31	22°51	27° 8	28°18	20°30	9°17	13°43	2°41	3°52	26°59	21° 2	W29
T 30	20 29 16	6°32'49	17° 1	13°25	0°21	23°31	27°21	28°17	20°30	9°15	1 <u>3</u> °42	2°32	3°49	27° 6	21° 1	T 30
F 31	20 33 12	7 Ω 30'10	1≈25	15 Ω 24	0 m) 9	249510	27 £ 33	28 M 17	20 Y 30	9 米 14	13 る 41	2 ≏ 24	3 ≏ 46	27 Mg 13	20 米 59	F 31

Day	0	D	1		φ	С	?	2	ł	ħ	1);	ξ(¥		Р	ß	U	Ç	Ŗ	
	decl	decl lat	decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	dec	l lat	decl	decl	decl	decl	lat
W 1 T 2	23n 8 23 4	18 10 5	56 20n36 0 20 55	2 5	14 33 0	133 24n 7 26 24 6	0 45	15 4	0n52 0 52	17 54	2n 6	7n19 7 19	0 38	8 39 0	47 20 s4 47 20 4	1 2 0	2 0	2s 8 2 6	1n29 1 27	0n55 0 55	4n39 4 39 4 39
F 3 S 4	23 0 22 55		47 21 13 15 21 31			18 24 5 10 24 3	0 46 0 46	15 0 14 57	0 52 0 52		2 6 2 5	7 20 7 20			48 20 4 48 20 4		1 55 1 51	2 5 2 4	1 25 1 24	0 55 0 55	4 40
S 5 M 6 T 7	22 50 22 44 22 38	7 8 2		1 16	-	2 24 2 s 7 24 0 16 23 58	0 47	14 53 14 49 14 45	0 52 0 52 0 51		2 5 2 5 2 5	7 21 7 21 7 21	0 38 0 39 0 39	8 41 0	48 20 4 48 20 4 48 20 4	2 1 59	1 48 1 47 1 46	2 3 2 1 2 0	1 22 1 20 1 18	0 55 0 55 0 55	4 40 4 40 4 40
W 8 T 9 F 10	22 32 22 25 22 18	6 6 1s	0 22 35 14 22 48 23 22 59	0 38	12 15 0	25 23 56 34 23 53 44 23 51	0 49	14 42 14 38 14 34	0 51 0 51 0 51	17 51	2 5 2 4 2 4	7 22 7 22 7 22	0 39 0 39 0 39	8 42 0	48 20 4 48 20 4 48 20 4	2 1 59	1 45 1 45 1 45	1 59 1 58 1 56	1 16 1 14 1 13	0 55 0 55 0 55	4 40 4 41 4 41
S 11 S 12	22 10 22 2		22 23 9 10 23 16	0 13	11 37 0 11 18 1	54 23 484 23 45		14 30 14 26	0 51 0 51		2 42 4	7 22 7 23	0 39 0 39		48 20 4 48 20 4		1 44 1 42	 1 55 1 54 	1 11 1 9	0 55 0 54	4 41 4 41
M13 T 14 W15		18 24 4	43 23 22 59 23 25 0 23 25	0 21	10 41 1	14 23 42 25 23 38 36 23 35	0 50 0 51 0 51	14 18	0 51 0 51 0 51	17 50 17 50 17 50	2 3 2 3 2 3	7 23 7 23 7 23	0 39 0 39 0 39	8 43 0	48 20 4 48 20 4 48 20 4	4 1 58	1 39 1 35 1 31	1 52 1 51 1 50	1 7 1 5 1 3	0 54 0 54 0 54	4 41 4 42 4 42
T 16 F 17	21 27	16 51 4 4 14 49 4		0 42 0 51	10 5 1 9 48 1	36 23 33 47 23 31 58 23 27 10 23 23	0 51 0 51 0 52 0 52		0 51 0 51 0 51 0 51	17 50 17 50	2 3 2 3 2 3 2 2	7 23 7 24 7 24	0 39 0 39 0 39 0 39	8 44 0 8 45 0	48 20 4 48 20 4 48 20 4 48 20 4	4 1 58 5 1 58	1 26 1 22 1 18	1 49 1 47 1 46	1 2 1 0 0 58	0 53 0 53 0 53	4 42 4 42 4 42 4 42
S 19 M20 T 21	20 56 20 45 20 34	5 30 1 1 50 0	52 22 48 51 22 32	1 22	8 59 2 8 44 2	22 23 19 34 23 14 47 23 10	0 53 0 54	13 50	0 51 0 51 0 51	17 49 17 49	2 2 2 2 2 2	7 24 7 24 7 24	0 39 0 39 0 39	8 46 0 8 46 0	48 20 4 48 20 4 48 20 4	5 1 58 6 1 58	1 15 1 13 1 12	1 45 1 44 1 42	0 56 0 54 0 52	0 52 0 52 0 52	4 42 4 43 4 43
W22 T 23 F 24 S 25	20 22 20 11 19 58 19 46	5 33 1 9 0 2	12 22 14 14 21 53 14 21 30 9 21 5	1 33 1 37	8 14 3 8 1 3	59 23 5 12 23 0 25 22 55 38 22 49			0 51 0 51 0 51 0 51	17 49 17 49	2 1 2 1 2 1 2 1	7 24 7 24 7 24 7 24	0 39 0 39 0 39 0 39	8 47 0 8 48 0	48 20 4 48 20 4 48 20 4 48 20 4	6 1 57 6 1 57	1 12 1 12 1 12 1 12	1 41 1 40 1 39 1 37	0 51 0 49 0 47 0 45	0 51 0 51 0 50 0 50	4 43 4 43 4 43 4 43
S 26 M27 T 28		16 51 4	56 20 37 34 20 8 58 19 37	1 45	7 35 3 7 23 4	52 22 44 5 22 38 19 22 32	0 56 0 56	13 29 13 25 13 20	0 51 0 51 0 51	17 50	2 0 2 0 2 0	7 24 7 24 7 24	0 39 0 39 0 39	8 49 0	48 20 4 48 20 4 48 20 4	7 1 57	1 11 1 10 1 7	1 36 1 35 1 34	0 43 0 41 0 40	0 49 0 49 0 48	4 43 4 44 4 44
W29 T 30 F 31		17 27 4	6 19 4 56 18 30 28 17n54	1 47	6 53 4	32 22 26 46 22 20 s59 22n13	0 57	13 16 13 12 13n 7	0 51 0 51 0n51		2 0 1 59 1n59	7 24 7 24 7n24		8 51 0	48 20 4 48 20 4 48 20 s4	8 1 56		1 32 1 31 1 s30	0 38 0 36 0n34	0 48 0 47 0n47	4 44 4 44 4n44

 $\label{eq:Julian Day Number = 2457204.5, Delta T = 67.86 sec} \\ Ecliptic obliquity = 23°26′04, Nutation = 0°00′02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°57′24, Lahiri = 24°04′25$

AUGUST 2015 00:00 UT

Audi	JJ: 201	- •													00.0	0 0 1
Day	Sid.t	0)	ğ	φ	ď	4	ħ)ţ(#	Р	u	Ω	Ç	ķ	Day
S 1	20 37 9	8 Ω 27'31	16≈ 4	17 Ω 22	29°R55	249549	27 Ω 46	28°R17	20°R29	9°R13	13°R39	2°R16	3 ≏ 43	27 m 19	20°R57	S 1
S 2	20 41 6	9°24'54	0) €52	19°18	29€38	25°28	27°59	28°D17	20 Υ 29	9 米 11	13 云 38	2 ₽ 11	3°40	27°26	20 米 55	S 2
M 3	20 45 2	10°22'17	15°40	21°12	29°18	26° 7	28°11	28 M .17	20°29	9°10	13°37	2° 8	3°36	27°33	20°53	M 3
T 4	20 48 59	11°19'42	0 Υ 22	23° 5	28°57	26°46	28°24	28°17	20°28	9° 8	13°35	2°D 7	3°33	27°39	20°51	T 4
W 5	20 52 55	12°17'07	14°52	24°57	28°33	27°25	28°37	28°17	20°28	9° 7	13°34	2° 7	3°30	27°46	20°49	W 5
T 6	20 56 52	13°14'34	29° 7	26°46	28° 8	28° 4	28°50	28°18	20°27	9° 6	13°33	2° 8	3°27	27°52	20°47	T 6
F 7	21 0 48	14°12'02	138 6	28°34	27°40	28°43	29° 2	28°18	20°27	9° 4	13°32	2°R 9	3°24	27°59	20°45	F 7
S 8	21 4 45	15° 9'32	26°48	0 m 21	27°11	29°22	29°15	28°19	20°26	9° 3	13°30	2° 8	3°20	28° 6	20°43	S 8
S 9	21 8 41	16° 7'03	10 Ⅱ 14	2° 6	26°40	0 Ω 1	29°28	28°19	20°26	9° 1	13°29	2° 6	3°17	28°12	20°41	S 9
M10	21 12 38	17° 4'35	23°25	3°49	26° 7	0°40	29°41	28°20	20°25	9° 0	13°28	2° 1	3°14	28°19	20°39	M10
T 11	21 16 35	18° 2'08	6922	5°31	25°33	1°18	29°54	28°21	20°24	8°58	13°27	1°55	3°11	28°26	20°37	T 11
W12	21 20 31	18°59'43	19° 6	7°11	24°59	1°57	0 m 7	28°22	20°24	8°57	13°26	1°48	3° 8	28°32	20°34	W12
T 13 F 14	21 24 28 21 28 24	19°57'19 20°54'57	1 Ω 37 13°57	8°50 10°27	24°23 23°46	2°36 3°15	0°20 0°33	28°23 28°24	20°23 20°22	8°55 8°54	13°25 13°23	1°41 1°33	3° 5 3° 1	28°39 28°46	20°32 20°30	T 13 F 14
S 15	21 28 24 21 32 21	20°52'35	26° 6	10° 27 12° 3	23° 9	3°53	0°46	28°25	20°21	8°52	13°23	1°28	2°58	28°52	20°27	S 15
S 16	21 36 17	22°50'15	8 m) 6	13°37	22°32	4°32	0°59	28°26	20°20	8°51	13°21	1°23	2°55	28°59	20°25	S 16
M17	21 40 14	23°47'56	19°59	15°10	21°55	5°11	1°12	28°28	20°19	8°49	13°20	1°21	2°52	29° 6	20°23	M17
T 18 W19	21 44 10 21 48 7	24°45'38 25°43'21	1 ≙ 47 13°33	16°41 18°11	21°18 20°41	5°49 6°28	1°25 1°38	28°29 28°31	20°18 20°17	8°47 8°46	13°19 13°18	1°D20 1°21	2°49 2°46	29°12 29°19	20°20 20°18	T 18 W19
T 20	21 48 7	26°41'05	25°21	19°39	20° 5	7° 7	1°51	28°32	20°16	8°44	13°17	1°21	2°42	29°26	20°15	T 20
F 21	21 56 0	20°41'03 27°38'51	7 M .16	21° 6	19°31	7°45	2° 4	28°34	20°15	8°43	13°16	1°24	2°39	29°32	20°13	F 21
S 22	21 59 57	28°36'37	19°22	22°30	18°57	8°24	2°17	28°36	20°13	8°41	13°15	1°25	2°36	29°39	20°10	S 22
S 23	22 3 53	29°34'25	1 × 744	23°54	18°24	9° 2	2°30	28°38	20°12	8°39	13°14	1°R26	2°33	29°45	20° 8	S 23
M24	22 7 50	29°34°25 0 m 32'14	14°26	25°16	18°24 17°54	9°41	2°43	28°40	20°12 20°11	8°38	13°14 13°13	1°25	2°30	29°43 29°52	20° 8	S 23 M24
T 25	22 / 30	1°30'04	27°34	26°36	17°24	10°19	2°56	28°42	20°10	8°36	13°13	1°23	2°26	29°59	20° 3	T 25
W26	22 15 43	2°27'55	11 궁 9	27°54	16°57	10°57	3° 9	28°44	20° 8	8°34	13°12	1°19	2°23	0 <u>₽</u> 5	20° 0	W26
T 27	22 19 39	3°25'48	25°11	29°11	16°32	11°36	3°22	28°47	20° 7	8°33	13°11	1°15	2°20	0°12	19°57	T 27
F 28	22 23 36	4°23'42	9≈39	0₽26	16° 8	12°14	3°35	28°49	20° 5	8°31	13°10	1°12	2°17	0°19	19°55	F 28
S 29	22 27 33	5°21'37	24°28	1°38	15°47	12°52	3°48	28°51	20° 4	8°30	13° 9	1° 8	2°14	0°25	19°52	S 29
S 30	22 31 29	6°19'34	9 ∺ 31	2°49	15°28	13°31	4° 1	28°54	20° 2	8°28	13° 9	1° 6	2°11	0°32	19°49	S 30
M31	22 35 26	7 m 17'32	24) 38	3 ₾ 58	15 Ω 12	14 N 9	4 Mp 14	28 M 57	20 Y 1	8 ∺ 26	13 る 8	1°D 5	2 ♀ 7	0 ჲ 39	19) (47	M31

Day	0	D	ğ		φ	♂	2	4	ħ	1)į	γ(并		Р		U	Ω	ţ	ď	
	decl	decl lat	decl la	at dec	l lat de	el lat	decl	lat	decl	lat	decl	lat	decl la	ıt	decl	lat	decl	decl	decl	decl	lat
S 1	18n 9	12 s29 3n4	2 17n17	1n45 6n3	7 5 s 13 22 n	7 0n58	13n 3	0n51	17s50	1n59	7n24	0s39	8 s 5 2	0 s48	20 s48	1n56	0 s54	1 s29	0n32	0n46	4n44
S 2	17 54	8 40 2 4	0 16 39	1 43 6 3	0 5 26 22	0 0 58	12 59	0 51	17 51	1 59	7 24	0 39	8 52	0 48	20 49	1 56	0 52	1 27	0 30	0 46	4 44
M 3	17 38	4 18 1 2	7 16 0	1 40 6 2	4 5 39 21 3	0 59	12 54	0 51	17 51	1 58	7 24	0 39	8 53	0 48	20 49	1 56	0 51	1 26	0 29	0 45	4 44
T 4	17 23			1 37 6 1		-	12 50	0 52		1 58	7 23	0 39		-		1 56	0 50	1 25	0 27	0 44	4 45
W 5	17 7	4 48 1s	-	1 33 6 1			12 46			1 58	7 23	0 39		-		1 56	0 51	1 23	0 25	0 44	4 45
T 6	16 50	8 58 2 2		1 29 6 1			12 41	0 52		1 58	7 23	0 39		-		1 56	0 51	1 22	0 23	0 43	4 45
F 7	16 34	-		1 25 6 1			12 37	0 52		1 57	7 23	0 39		-	20 50	1 55	0 51	1 21	0 21	0 42	4 45
S 8	16 17	15 20 4 1	3 12 35	1 20 6	9 6 41 21	6 1 0	12 32	0 52	17 52	1 57	7 22	0 39	8 56	0 49	20 50	1 55	0 51	1 20	0 19	0 41	4 45
S 9	16 0	17 15 4 4	7 11 53	1 14 6	9 6 52 21	8 1 1	12 28	0 52	17 53	1 57	7 22	0 39	8 56	0 49	20 51	1 55	0 50	1 18	0 18	0 41	4 45
M10	15 43	18 11 5	6 11 10	1 9 6 1	0 7 3 21	0 1 1	12 23	0 52	17 53	1 57	7 22	0 39	8 57	0 49	20 51	1 55	0 48	1 17	0 16	0 40	4 45
T 11	15 25	18 9 5	8 10 27	1 3 6 1	2 7 13 20 :	2 1 1	12 19	0 52	17 54	1 56	7 22	0 39	8 57	0 49	20 51	1 55	0 46	1 16	0 14	0 39	4 45
W12	15 8	17 12 4 5	5 9 44	0 56 6 1	5 7 22 20 4	13 1 2	12 14	0 52	17 54	1 56	7 21	0 40	8 58	0 49	20 51	1 55	0 43	1 15	0 12	0 38	4 45
T 13	14 50			0 49 6 1				0 52		1 56	7 21	0 40				1 55	0 40	1 13	0 10	0 38	4 45
F 14	-	12 59 3 4	-	0 42 6 2						1 56	7 21	0 40				1 54	0 37	1 12	0 8	0 37	4 46
S 15	14 13	9 59 3	0 7 35	0 35 6 2	8 7 45 20	8 1 3	12 1	0 52	17 55	1 56	7 20	0 40	9 0	0 49	20 52	1 54	0 35	1 11	0 7	0 36	4 46
S 16	13 54	6 37 2	3 6 52	0 27 6 3	3 7 52 20	9 1 3	11 56	0 52	17 56	1 55	7 20	0 40	9 0	0 49	20 52	1 54	0 33	1 10	0 5	0 35	4 46
M17	13 35	3 1 1	2 6 9	0 20 6 4	0 7 57 20	0 1 3	11 51	0 52	17 57	1 55	7 20	0 40	9 1	0 49	20 53	1 54	0 32	1 8	0 3	0 34	4 46
T 18	13 16	0 s40 0n	2 5 26	0 12 6 4	7 8 1 19 :	51 1 4	11 47	0 52	17 57	1 55	7 19	0 40	9 2	0 49	20 53	1 54	0 32	1 7	0 1	0 33	4 46
W19	12 57	4 20 1	6 4 44	0 4 6 5	5 8 5 19	1 1 4	11 42	0 52	17 58	1 55	7 19	0 40	9 2	0 49	20 53	1 54	0 32	1 6	0 s 1	0 32	4 46
T 20	12 37	7 49 2	8 4 1	0s 5 7	8 8 19 3	2 1 4	11 38	0 52	17 58	1 54	7 18	0 40	9 3	0 49	20 53	1 54	0 33	1 5	0 3	0 31	4 46
F 21	12 17	_		0 13 7 1			11 33			1 54	7 18	0 40	9 3	0 49	20 53	1 53	0 33	1 3	0 4	0 30	4 46
S 22	11 57	13 49 3 5	3 2 38	0 22 7 2	1 8 11 19	3 1 5	11 28	0 52	18 0	1 54	7 17	0 40	9 4	0 49	20 54	1 53	0 34	1 2	0 6	0 30	4 46
S 23	11 37	16 3 4 3	3 1 57	0 31 7 3	1 8 11 19	3 1 5	11 24	0 52	18 0	1 54	7 17	0 40	9 5	0 49	20 54	1 53	0 34	1 1	0 8	0 29	4 46
M24	11 17	17 33 5	0 1 16	0 40 7 4	1 8 10 18 :	3 1 6	11 19	0 52	18 1	1 53	7 16	0 40	9 5	0 49	20 54	1 53	0 34	0 59	0 10	0 28	4 46
T 25	10 56	18 12 5 1	3 0 36	0 49 7 5	1 8 8 18	13 1 6	11 14	0 52	18 2	1 53	7 16	0 40	9 6	0 49	20 54	1 53	0 33	0 58	0 12	0 27	4 46
W26	10 36	17 50 5	9 0s 3	0 58 8	1 8 6 18 3	3 1 6	11 10	0 52	18 2	1 53	7 15	0 40	9 6	0 49	20 55	1 53	0 32	0 57	0 14	0 26	4 46
T 27	10 15	16 23 4 4	7 0 42	1 7 8 1	1 8 3 18 2	2 1 7	11 5	0 52	18 3	1 53	7 15	0 40	9 7	0 49	20 55	1 53	0 30	0 56	0 15	0 25	4 46
F 28	9 54	13 52 4	6 1 20	1 16 8 2		2 1 7	11 0	0 52	18 4	1 52	7 14	0 40	9 8	0 49	20 55	1 52	0 28	0 54	0 17	0 24	4 46
S 29	9 33	10 24 3	8 1 58	1 26 8 3	2 7 55 18	1 1 7	10 56	0 53	18 5	1 52	7 14	0 40	9 8	0 49	20 55	1 52	0 27	0 53	0 19	0 23	4 46
S 30	9 11	6 12 1 5	6 2 35	1 35 8 4	2 7 50 17 :	1 1 8	10 51	0 53	18 5	1 52	7 13	0 40	9 9	0 49	20 55	1 52	0 26	0 52	0 21	0 21	4 46
M31	8n50	1 s35 0n3	6 3s11	1 s44 8n5	2 7 s45 17n	10 1n 8	10n46	0n53	18s 6	1n52	7n12	0 s40	9s10	0 s49	20 s 5 6	1n52	0 s26	0 s 5 1	0 s23	0n20	4n46

Julian Day Number = 2457235.5, Delta T = 67.90 sec Ecliptic obliquity = 23°26′05, Nutation = 0°00′03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°57′29, Lahiri = 24°04′29

SEPTEMBER 2015 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	В	'n	u	ţ	ę,	Day
T 1	22 39 22	8 m) 15'32	9 Υ 40	5 ₾ 5	14°R58	14 Ω 47	4 Mp 27	28 M .59	19°R59	8°R25	13°R 7	1 º 5	2 ჲ 4	0 ჲ 45	19°R44	T 1
W 2	22 43 19	9°13'34	24°30	6°10	14 Ω 46	15°25	4°40	29° 2	19 Y 57	8 ∺ 23	13 る 6	1° 6	2° 1	0°52	19) (41	W 2
T 3	22 47 15	10°11'38	9 8 1	7°12	14°37	16° 3	4°53	29° 5	19°56	8°21	13° 6	1° 7	1°58	0°59	19°38	T 3
F 4	22 51 12	11° 9'44	23°11	8°12	14°30	16°42	5° 6	29° 8	19°54	8°20	13° 5	1°8	1°55	1° 5	19°36	F 4
S 5	22 55 8	12° 7'51	6 Ⅱ 57	9° 9	14°25	17°20	5°19	29°11	19°52	8°18	13° 5	1°R 9	1°51	1°12	19°33	S 5
S 6	22 59 5	13° 6'01	20°22	10° 4	14°D23	17°58	5°32	29°15	19°51	8°16	13° 4	1° 9	1°48	1°18	19°30	S 6
M 7	23 3 1	14° 4'13	3925	10°55	14°24	18°36	5°45	29°18	19°49	8°15	13° 3	1°8	1°45	1°25	19°27	M 7
T 8	23 6 58	15° 2'27	16°10	11°43	14°26	19°14	5°58	29°21	19°47	8°13	13° 3	1° 7	1°42	1°32	19°25	T 8
W 9	23 10 55	16° 0'42	28°40	12°28	14°31	19°52	6°11	29°25	19°45	8°11	13° 2	1° 5	1°39	1°38	19°22	W 9
T 10	23 14 51	16°59'00	10 Ω 56	13°10	14°39	20°30	6°24	29°28	19°43	8°10	13° 2	1° 2	1°36	1°45	19°19	T 10
F 11	23 18 48	17°57'20	23° 3	13°47	14°48	21° 8	6°37	29°32	19°41	8° 8	13° 2	1° 0	1°32	1°52	19°16	F 11
S 12	23 22 44	18°55'41	5 m) 1	14°20	15° 0	21°46	6°50	29°36	19°39	8° 7	13° 1	0°59	1°29	1°58	19°14	S 12
S 13	23 26 41	19°54'05	16°53	14°49	15°13	22°24	7° 3	29°39	19°37	8° 5	13° 1	0°58	1°26	2° 5	19°11	S 13
M14	23 30 37	20°52'30	28°41	15°13	15°29	23° 2	7°16	29°43	19°35	8° 3	13° 0	0°D57	1°23	2°12	19° 8	M14
T 15	23 34 34	21°50'57	10 ≏ 28	15°32	15°46	23°39	7°29	29°47	19°33	8° 2	13° 0	0°58	1°20	2°18	19° 5	T 15
W16	23 38 30	22°49'26	22°15	15°46	16° 6	24°17	7°42	29°51	19°31	8° 0	13° 0	0°58	1°17	2°25	19° 2	W16
T 17	23 42 27	23°47'56	4M 6	15°53	16°27	24°55	7°54	29°55	19°29	7°59	13° 0	0°59	1°13	2°32	19° 0	T 17
F 18	23 46 24	24°46'28	16° 4	15°R55	16°50	25°33	8° 7	29°59	19°27	7°57	12°59	1° 0	1°10	2°38	18°57	F 18
S 19	23 50 20	25°45'03	28°12	15°50	17°15	26°11	8°20	0 , ₹ 4	19°25	7°55	12°59	1° 0	1° 7	2°45	18°54	S 19
S 20	23 54 17	26°43'38	10 ∡ 34	15°39	17°41	26°48	8°33	0° 8	19°22	7°54	12°59	1° 1	1° 4	2°51	18°51	S 20
M21	23 58 13	27°42'16	23°14	15°20	18° 9	27°26	8°45	0°12	19°20	7°52	12°59	1°R 1	1° 1	2°58	18°49	M21
T 22	0 2 10	28°40'55	6 ට 16	14°54	18°39	28° 4	8°58	0°17	19°18	7°51	12°59	1° 1	0°57	3° 5	18°46	T 22
W23	0 6 6	29°39'36	19°43	14°22	19°10	28°41	9°11	0°22	19°16	7°49	12°59	1° 1	0°54	3°11	18°43	W23
T 24	0 10 3	0 ჲ 38'18	3≈36	13°42	19°43	29°19	9°23	0°26	19°14	7°48	12°59	1°D 1	0°51	3°18	18°40	T 24
F 25	0 13 59	1°37'02	17°56	12°55	20°17	29°56	9°36	0°31	19°11	7°46	12°D58	1° 1	0°48	3°25	18°38	F 25
S 26	0 17 56	2°35'48	2 ∺ 39	12° 3	20°52	0 m /34	9°48	0°36	19° 9	7°45	12°58	1° 1	0°45	3°31	18°35	S 26
S 27	0 21 53	3°34'36	17°40	11° 4	21°28	1°11	10° 1	0°40	19° 7	7°43	12°59	1° 1	0°42	3°38	18°32	S 27
M28	0 25 49	4°33'25	2 Υ 52	10° 2	22° 6	1°49	10°13	0°45	19° 4	7°42	12°59	1°R 1	0°38	3°45	18°30	M28
T 29	0 29 46	5°32'17	18° 5	8°56	22°45	2°26	10°26	0°50	19° 2	7°41	12°59	1° 1	0°35	3°51	18°27	T 29
W30	0 33 42	6 ₽ 31'10	3 8 9	7 ≏ 48	23 N 25	3 Mp 4	10 m 38	0 才 55	19 Y 0	7) (39	12 る 59	1₽ 0	0 ჲ 32	3 ≏ 58	18) (24	W30

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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
T 1	8n28	3n 6 0	s47	3 s46	1 s54	9n 1	7 s 3 9	17n29	1n 8	10n42	0n53	18s 7	1n51	7n12	0 s40	9s10	0 s49	20s56	1n52	0 s26	0 s49	0 s25	0n19	4n46
W 2	8 7	7 32 2	6	4 20	2 3	9 11	7 32	17 18	1 9	10 37	0 53		1 51	7 11	0 40	9 11	0 49	20 56	1 52	0 26	0 48	0 26	0 18	4 46
T 3	7 45	11 26 3	15	4 53	2 12	9 20	7 25	17 7	1 9	10 32	0 53	18 9	1 51	7 10	0 40	9 12	0 49	20 56	1 52	0 27	0 47	0 28	0 17	4 46
F 4	7 23	14 32 4	10	5 25	2 21	9 29	7 18	16 56	1 9	10 27	0 53	18 10	1 51	7 10	0 40	9 12	0 49	20 57	1 51	0 27	0 46	0 30	0 16	4 46
S 5	7 1	16 43 4	49	5 56	2 30	9 38	7 10	16 44	1 9	10 23	0 53	18 10	1 51	7 9	0 40	9 13	0 49	20 57	1 51	0 27	0 44	0 32	0 15	4 46
S 6	6 38	17 55 5	11	6 25	2 39	9 46	7 2	16 33	1 10	10 18	0 53	18 11	1 50	7 8	0 40	9 13	0 49	20 57	1 51	0 27	0 43	0 34	0 14	4 46
M 7	6 16	18 7 5	16	6 53	2 47	9 54	6 54	16 22	1 10	10 13	0 53	18 12	1 50	7 8	0 40	9 14	0 49	20 57	1 51	0 27	0 42	0 35	0 13	4 46
T 8	5 54	17 24 5	6	7 20	2 56	10 1	6 45	16 10	1 10	10 9	0 53	18 13	1 50	7 7	0 40	9 15	0 49	20 57	1 51	0 26	0 41	0 37	0 12	4 46
W 9	5 31	15 51 4	41	7 45	3 4	10 8	6 37	15 58	1 11	10 4	0 53	18 14	1 50	7 6	0 40	9 15	0 49	20 58	1 51	0 26	0 39	0 39	0 11	4 46
T 10	5 8	13 35 4	-	8 8	3 12				1 11	9 59	0 53		1 49	7 6	0 40	9 16	0 49		1 51	0 25	0 38	0 41	0 9	4 46
F 11	4 46			8 30	3 19		6 19	15 35	1 11	9 54	0 53		1 49	7 5	0 40	9 16	0 49		1 50	0 24	0 37	0 43	0 8	4 46
S 12	4 23	7 31 2	19	8 49	3 27	10 27	6 9	15 23	1 11	9 50	0 53	18 17	1 49	7 4	0 40	9 17	0 49	20 58	1 50	0 23	0 35	0 45	0 7	4 46
S 13	4 0	3 59 1	17	9 7	3 33	10 32	6 0	15 11	1 12	9 45	0 54	18 18	1 49	7 3	0 40	9 18	0 49	20 58	1 50	0 23	0 34	0 46	0 6	4 46
M14	3 37	0 20 0	13	9 22	3 39	10 36	5 51	14 58	1 12	9 40	0 54	18 19	1 49	7 3	0 40	9 18	0 49	20 59	1 50	0 23	0 33	0 48	0 5	4 46
T 15	3 14	3 s20 0:	n53	9 34	3 45	10 40	5 41	14 46	1 12	9 36	0 54	18 20	1 48	7 2	0 40	9 19	0 49	20 59	1 50	0 23	0 32	0 50	0 4	4 46
W16	2 51	6 52 1	56	9 44	3 49	10 44	5 31	14 34	1 13	9 31	0 54	18 21	1 48	7 1	0 40	9 19	0 49	20 59	1 50	0 23	0 30	0 52	0 3	4 45
T 17	2 28	10 9 2	54	9 50	3 53	10 47	5 22	14 21	1 13	9 26	0 54	18 22	1 48	7 0	0 40	9 20	0 49	20 59	1 49	0 23	0 29	0 54	0 1	4 45
F 18	2 5	13 2 3	46	9 54	3 56	10 49	5 12	14 9	1 13	9 21	0 54	18 23	1 48	6 59	0 40	9 21	0 49	20 59	1 49	0 24	0 28	0 56	0 0	4 45
S 19	1 41	15 24 4	28	9 54	3 58	10 51	5 3	13 56	1 13	9 17	0 54	18 24	1 48	6 59	0 40	9 21	0 49	20 59	1 49	0 24	0 27	0 57	0 s 1	4 45
S 20	1 18	17 6 4	58	9 50	3 59	10 52	4 53	13 44	1 14	9 12	0 54	18 26	1 47	6 58	0 40	9 22	0 49	21 0	1 49	0 24	0 25	0 59	0 2	4 45
M21	0 55	18 1 5	15	9 42	3 59	10 53	4 43	13 31	1 14	9 7	0 54	18 27	1 47	6 57	0 40	9 22	0 49	21 0	1 49	0 24	0 24	1 1	0 3	4 45
T 22	0 31	18 1 5	17	9 31	3 57			-	1 14	9 3	0 54		1 47	6 56	0 40	9 23	0 49	-	1 49	0 24	0 23	1 3	0 4	4 45
W23	0 8	17 1 5	5 1	9 15	3 53	10 53	4 24	13 5	1 14	8 58	0 55	18 29	1 47	6 55	0 40	9 24	0 49	21 0	1 49	0 24	0 22	1 5	0 6	4 45
T 24	0s15	15 0 4	28	8 54	3 48	10 52	4 15	12 53	1 15	8 53	0 55		1 47	6 54	0 40	9 24	0 49	21 0	1 48	0 24	0 20	1 7	0 7	4 45
F 25	0 39	12 0 3		8 30	3 41	10 50	4 5	-	1 15	8 49	0 55		1 46	6 53	0 40	9 25	0 49	-	1 48	0 24	0 19	1 8	0 8	4 45
S 26	1 2	8 10 2	2 31	8 1	3 32	10 48	3 56	12 27	1 15	8 44	0 55	18 32	1 46	6 53	0 40	9 25	0 49	21 1	1 48	0 24	0 18	1 10	0 9	4 44
S 27	1 25	3 44 1	14	7 28	3 21	10 46	3 47	12 13	1 15	8 40	0 55	18 34	1 46	6 52	0 40	9 26	0 49	21 1	1 48	0 24	0 17	1 12	0 10	4 44
M28	1 49	0n59 0	s10	6 52	3 9	10 42	3 38	12 0	1 16	8 35	0 55	18 35	1 46	6 51	0 40	9 26	0 49	21 1	1 48	0 24	0 15	1 14	0 11	4 44
T 29	2 12	5 39 1	34	6 13	2 54	10 38	3 28	11 47	1 16	8 30	0 55	18 36	1 46	6 50	0 40	9 27	0 49	21 1	1 48	0 24	0 14	1 16	0 13	4 44
W30	2 s35	9n54 2	2s50	5 s 3 1	2 s 3 8	10n34	3 s 1 9	11n34	1n16	8n26	0n55	18 s 3 7	1n45	6n49	0 s40	9 s27	0 s49	21 s 1	1n47	0 s24	0 s13	1 s 1 8	0s14	4n44

Julian Day Number = 2457266.5, Delta T = 67.94 sec Ecliptic obliquity = $23^{\circ}26'05$, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}57'33$, Lahiri = $24^{\circ}04'33$

OCTOBER 2015 00:00 UT

Day	Sid.t		7	×	0	7	31	+	₩),(Ъ	•	0	•	K	Day
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T 1	0 37 39	7 ≏ 30'06	17 8 56	6°R41	24 N 7	3 M 41	10 m 50	1 ₹ 0	18°R57	7°R38	12 る 59	1°R 0	0 ჲ 29	4 º 5	18°R22	T 1
F 2	0 41 35	8°29'04	2∏20	5 Ω 35	24°49	4°19	11° 3	1° 6	18 Y 55	7 ₩ 36	12°59	0 ≏ 59	0°26	4°11	18 米 19	F 2
S 3	0 45 32	9°28'05	16°18	4°33	25°33	4°56	11°15	1°11	18°53	7°35	12°59	0°58	0°22	4°18	18°17	S 3
S 4	0 49 28	10°27'07	29°48	3°36	26°17	5°33	11°27	1°16	18°50	7°34	13° 0	0°58	0°19	4°24	18°14	S 4
M 5	0 53 25	11°26'12	12953	2°46	27° 3	6°11	11°39	1°21	18°48	7°33	13° 0	0°D57	0°16	4°31	18°12	M 5
T 6	0 57 21	12°25'20	25°35	2° 4	27°49	6°48	11°51	1°27	18°45	7°31	13° 0	0°58	0°13	4°38	18° 9	T 6
W 7	1 118	13°24'29	7 Ω 58	1°31	28°36	7°25	12° 3	1°32	18°43	7°30	13° 1	0°58	0°10	4°44	18° 7	W 7
T 8	1 5 15	14°23'41	20° 6	1° 8	29°24	8° 3	12°15	1°38	18°40	7°29	13° 1	1° 0	0° 7	4°51	18° 4	T 8
F 9	1 9 11	15°22'55	2 Mp 4	0°56	0 m 13	8°40	12°27	1°43	18°38	7°27	13° 1	1° 1	0° 3	4°58	18° 2	F 9
S 10	1 13 8	16°22'12	13°55	0°D55	1° 3	9°17	12°39	1°49	18°36	7°26	13° 2	1° 2	0° 0	5° 4	18° 0	S 10
S 11	1 17 4	17°21'30	25°42	1° 4	1°54	9°54	12°51	1°55	18°33	7°25	13° 2	1°R 3	29 m 57	5°11	17°57	S 11
M12	1 21 1	18°20'51	7 <u>Ω</u> 29	1°24	2°45	10°31	13° 3	2° 0	18°31	7°24	13° 3	1° 3	29°54	5°18	17°55	M12
T 13	1 24 57	19°20'14	19°18	1°54	3°37	11° 8	13°15	2° 6	18°28	7°23	13° 3	1° 2	29°51	5°24	17°53	T 13
W14	1 28 54	20°19'38	1 M _10	2°33	4°30	11°45	13°26	2°12	18°26	7°22	13° 4	1° 0	29°48	5°31	17°50	W14
T 15	1 32 50	21°19'05	13° 9	3°20	5°23	12°23	13°38	2°18	18°23	7°21	13° 4	0°57	29°44	5°38	17°48	T 15
F 16	1 36 47	22°18'34	25°16	4°16	6°17	13° 0	13°49	2°24	18°21	7°20	13° 5	0°54	29°41	5°44	17°46	F 16
S 17	1 40 44	23°18'05	7 . ₹32	5°18	7°12	13°37	14° 1	2°30	18°19	7°19	13° 6	0°50	29°38	5°51	17°44	S 17
S 18	1 44 40	24°17'37	20° 1	6°27	8° 7	14°14	14°12	2°36	18°16	7°18	13° 6	0°47	29°35	5°57	17°42	S 18
M19	1 48 37	25°17'11	2 3 45	7°42	9° 3	14°50	14°23	2°42	18°14	7°17	13° 7	0°44	29°32	6° 4	17°40	M19
T 20	1 52 33	26°16'48	15°45	9° 1	9°59	15°27	14°35	2°48	18°11	7°16	13° 8	0°42	29°28	6°11	17°38	T 20
W21	1 56 30	27°16'25	29° 5	10°24	10°56	16° 4	14°46	2°54	18° 9	7°15	13° 9	0°D42	29°25	6°17	17°36	W21
T 22	2 0 26	28°16'05	12≈47	11°51	11°54	16°41	14°57	3° 1	18° 6	7°14	13° 9	0°43	29°22	6°24	17°34	T 22
F 23	2 4 23	29°15'46	26°51	13°20	12°52	17°18	15° 8	3° 7	18° 4	7°13	13°10	0°44	29°19	6°31	17°32	F 23
S 24	2 8 19	0ML15'29	11) 17	14°52	13°50	17°55	15°19	3°13	18° 2	7°12	13°11	0°45	29°16	6°37	17°30	S 24
S 25	2 12 16	1°15'13	26° 3	16°26	14°49	18°31	15°30	3°20	17°59	7°11	13°12	0°R46	29°13	6°44	17°28	S 25
M26	2 16 13	2°15'00	11 ° 2	18° 1	15°49	19° 8	15°40	3°26	17°57	7°10	13°13	0°46	29° 9	6°51	17°27	M26
T 27	2 20 9	3°14'48	26° 9	19°38	16°48	19°45	15°51	3°33	17°55	7°10	13°14	0°44	29° 6	6°57	17°25	T 27
W28	2 24 6	4°14'38	11813	21°15	17°49	20°21	16° 2	3°39	17°52	7° 9	13°15	0°41	29° 3	7° 4	17°23	W28
T 29	2 28 2	5°14'30	26° 5	22°54	18°50	20°58	16°12	3°46	17°50	7° 8	13°16	0°36	29° 0	7°11	17°22	T 29
F 30	2 31 59	6°14'24	10耳37	24°33	19°51	21°35	16°23	3°52	17°48	7° 8	13°17	0°30	28°57	7°17	17°20	F 30
S 31	2 35 55	7 M 14'21	24∏44	26 ₽ 12	20 m 52	22 Mp 11	16 M 33	3 ₹ 59	17 Y 46	7 ∺ 7	13 る 18	0 ჲ 25	28 m 54	7 ≏ 24	17) 18	S 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
T 1 F 2 S 3	2 s 5 9 3 2 2 3 4 5	13n27 3s53 16 4 4 39 17 38 5 7	4 5 2	1 10 23 3 2	11n20 1n16 11 7 1 17 10 54 1 17	8n21 0n55 8 17 0 56 8 12 0 56	18 40 1 45	6n48 0s40 6 47 0 40 6 46 0 40	9 28 0 49		0 23	0 10	1 s 1 9 1 2 1 1 2 3	0s15 4n44 0 16 4 44 0 17 4 43
S 4 M 5 T 6 W 7 T 8		17 39 5 11 16 17 4 49 14 11 4 14	2 2 1 1 26 0 4 0 55 0 2	1 10 11 2 44 1 10 3 2 36 1 9 56 2 27	10 40 1 17 10 26 1 17 10 13 1 18 9 59 1 18 9 46 1 18	8 8 0 56 8 3 0 56 7 59 0 56 7 54 0 56 7 50 0 56	18 43 1 45 18 45 1 44 18 46 1 44	6 45 0 40 6 44 0 40 6 44 0 40 6 43 0 40 6 42 0 40	9 29 0 49 9 30 0 49 9 30 0 49 9 31 0 49	21 2 1 47 21 2 1 47 21 2 1 46	0 23 0 23 0 23 0 23	0 6 0 5 0 4	1 25 1 27 1 29 1 30 1 32	0 18 4 43 0 19 4 43 0 20 4 43 0 22 4 43 0 23 4 42
F 9 S 10 S 11	6 3 6 26	8 20 2 34 4 53 1 34	0 8 0n1 0n 8 0 3	6 9 29 2 2 3 9 19 1 54	9 32 1 18 9 18 1 19		18 50 1 44	6 41 0 40 6 40 0 40	9 32 0 49	21 2 1 46 21 2 1 46	0 25	0 0	1 34 1 36	0 24 4 42 0 25 4 42
M12 T 13 W14 T 15 F 16 S 17	6 49 7 11 7 34 7 56 8 19 8 41 9 3	1 15 0 30 2s25 0n36 6 1 1 39 9 24 2 39 12 25 3 32 14 56 4 16 16 48 4 49	0 24 1 0 23 1 1 0 18 1 2 0 7 1 3	2 8 58 1 39 4 8 46 1 31 5 8 34 1 23 5 8 22 1 16 2 8 9 1 8	9 4 1 19 8 50 1 19 8 36 1 19 8 23 1 19 8 9 1 20 7 55 1 20 7 41 1 20	7 36 0 57 7 32 0 57 7 28 0 57 7 23 0 57 7 19 0 57 7 15 0 57 7 10 0 58	18 52 1 43 18 54 1 43 18 55 1 43 18 56 1 43 18 57 1 43	6 39 0 40 6 38 0 40 6 37 0 40 6 36 0 40 6 35 0 40 6 34 0 40 6 33 0 40	9 33 0 49 9 33 0 49 9 34 0 49 9 34 0 49 9 34 0 49	21 3 1 46 21 3 1 46 21 3 1 45 21 3 1 45 21 3 1 45	0 25 0 25 0 24 0 23 0 21	0 2 0 4 0 5 0 6 0 7	1 38 1 39 1 41 1 43 1 45 1 47 1 49	0 26 4 42 0 27 4 42 0 28 4 42 0 29 4 41 0 30 4 41 0 31 4 41 0 32 4 41
S 18 M19 T 20 W21 T 22 F 23 S 24	9 25 9 47 10 8 10 30 10 51 11 13 11 34	18 10 5 15 17 28 5 4 15 49 4 37	1 15 1 5 1 43 2 2 14 2 2 48 2 3 23 2		7 26 1 20 7 12 1 20 6 58 1 21 6 44 1 21 6 30 1 21 6 16 1 21 6 2 1 22	7 6 0 58 7 2 0 58 6 58 0 58 6 54 0 58 6 49 0 58 6 45 0 58 6 41 0 59	19 1 1 42 19 3 1 42 19 4 1 42 19 5 1 42 19 7 1 42	6 33 0 40 6 32 0 40 6 31 0 40 6 30 0 40 6 29 0 40 6 28 0 40 6 27 0 40	9 35 0 49 9 36 0 49 9 36 0 49 9 36 0 49 9 37 0 49 9 37 0 49 9 37 0 49	21 3 1 45 21 3 1 44 21 3 1 44 21 3 1 44 21 3 1 44	0 17 0 17 0 17 0 17 0 17	0 11 0 13 0 14 0 15 0 16	1 50 1 52 1 54 1 56 1 58 1 59 2 1	0 33 4 40 0 34 4 40 0 35 4 40 0 36 4 40 0 37 4 39 0 38 4 39 0 39 4 39
S 25 M26 T 27 W28 T 29 F 30 S 31	11 54 12 15 12 36 12 56 13 16 13 36 13 s56	15 6 4 17	5 15 1 5 5 55 1 5 6 35 1 5 7 15 1 4 7 55 1 4	4 5 16 0n 4 1 4 58 0 10 7 4 39 0 15 2 4 20 0 21	5 48 1 22 5 33 1 22 5 19 1 22 5 5 1 22 4 51 1 22 4 36 1 23 4n22 1n23	6 37 0 59 6 33 0 59 6 29 0 59 6 25 0 59 6 21 0 59 6 17 1 0 6n13 1n 0	19 11 1 41 19 12 1 41 19 13 1 41 19 15 1 41 19 16 1 41	6 26 0 40 6 25 0 40 6 24 0 40 6 24 0 40 6 23 0 40 6 22 0 40 6n21 0s40	9 38 0 49 9 38 0 49 9 38 0 49 9 39 0 49 9 39 0 49	21 4 1 44 21 4 1 43 21 4 1 43 21 4 1 43 21 4 1 43	0 18 0 18 0 16 0 14 0 12	0 20 0 21 0 23 0 24 0 25	2 3 2 5 2 7 2 9 2 10 2 12 2 s14	0 40 4 39 0 41 4 38 0 42 4 38 0 43 4 38 0 44 4 38 0 45 4 37 0 845 4n37

Julian Day Number = 2457296.5, Delta T = 67.98 sec Ecliptic obliquity = $23^{\circ}26'05$, Nutation = - $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}57'37$, Lahiri = $24^{\circ}04'37$

NOVEMBER 2015 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	Р	₽.	Ω	Ç	, k	Day
S 1	2 39 52	8ML14'19	8923	27 ≙ 51	21 m/54	22 Mp 48	16 m 43	4 ₹ 5	17°R43	7°R 6	13 る 19	0°R20	28 m 50	7 ≙ 31	17°R17	S 1
M 2	2 43 48	9°14'20	21°34	29°31	22°57	23°24	16°54	4°12	17 Y 41	7 ∺ 6	13°20	0 ჲ 17	28°47	7°37	17) 15	M 2
T 3	2 47 45	10°14'22	4 Ω 19	1 M _10	23°59	24° 1	17° 4	4°19	17°39	7° 5	13°21	0°15	28°44	7°44	17°14	T 3
W 4	2 51 42	11°14'27	16°42	2°49	25° 2	24°37	17°14	4°25	17°37	7° 5	13°22	0°D15	28°41	7°50	17°13	W 4
T 5	2 55 38	12°14'34	28°49	4°29	26° 6	25°14	17°24	4°32	17°35	7° 4	13°23	0°16	28°38	7°57	17°11	T 5
F 6	2 59 35	13°14'43	10 m)44	6° 7	27°10	25°50	17°33	4°39	17°32	7° 4	13°25	0°18	28°34	8° 4	17°10	F 6
S 7	3 3 3 1	14°14'54	22°32	7°46	28°14	26°26	17°43	4°46	17°30	7° 3	13°26	0°19	28°31	8°10	17° 9	S 7
S 8	3 7 28	15°15'07	4 ₽ 18	9°25	29°18	27° 3	17°53	4°52	17°28	7° 3	13°27	0°R20	28°28	8°17	17° 8	S 8
M 9	3 11 24	16°15'22	16° 6	11° 3	0 ჲ 23	27°39	18° 2	4°59	17°26	7° 3	13°28	0°18	28°25	8°24	17° 7	M 9
T 10	3 15 21	17°15'39	27°59	12°41	1°28	28°15	18°12	5° 6	17°24	7° 2	13°30	0°14	28°22	8°30	17° 6	T 10
W11	3 19 17	18°15'57	10 M 0	14°18	2°33	28°51	18°21	5°13	17°22	7° 2	13°31	0° 8	28°19	8°37	17° 5	W11
T 12	3 23 14	19°16'18	22°11	15°55	3°39	29°27	18°30	5°20	17°20	7° 2	13°32	0° 0	28°15	8°44	17° 4	T 12
F 13	3 27 10	20°16'40	4 ₹ 32	17°32	4°45	0 ₾ 3	18°39	5°27	17°18	7° 2	13°34	29 m 51	28°12	8°50	17° 3	F 13
S 14	3 31 7	21°17'04	17° 5	19° 9	5°51	0°40	18°48	5°34	17°16	7° 2	13°35	29°41	28° 9	8°57	17° 2	S 14
S 15	3 35 4	22°17'29	29°49	20°45	6°57	1°16	18°57	5°41	17°14	7° 1	13°37	29°32	28° 6	9° 4	17° 1	S 15
M16	3 39 0	23°17'56	12 る 45	22°21	8° 4	1°52	19° 6	5°48	17°13	7° 1	13°38	29°24	28° 3	9°10	17° 1	M16
T 17	3 42 57	24°18'24	25°54	23°57	9°10	2°28	19°14	5°55	17°11	7° 1	13°39	29°18	27°59	9°17	17° 0	T 17
W18	3 46 53	25°18'54	9 ≈ 16	25°32	10°18	3° 3	19°23	6° 2	17° 9	7° 1	13°41	29°14	27°56	9°24	16°59	W18
T 19	3 50 50	26°19'25	22°53	27° 7	11°25	3°39	19°31	6° 9	17° 7	7°D 1	13°43	29°D13	27°53	9°30	16°59	T 19
F 20	3 54 46	27°19'57	6) (46	28°42	12°32	4°15	19°39	6°16	17° 6	7° 1	13°44	29°13	27°50	9°37	16°58	F 20
S 21	3 58 43	28°20'30	20°54	0 ∡ 17	13°40	4°51	19°47	6°23	17° 4	7° 1	13°46	29°14	27°47	9°43	16°58	S 21
S 22	4 2 40	29°21'04	5 Υ 18	1°51	14°48	5°27	19°55	6°30	17° 2	7° 1	13°47	29°R14	27°44	9°50	16°57	S 22
M23	4 6 36	0 х 21′40	19°55	3°26	15°56	6° 2	20° 3	6°37	17° 1	7° 1	13°49	29°12	27°40	9°57	16°57	M23
T 24	4 10 33	1°22'16	4 8 40	5° 0	17° 4	6°38	20°11	6°44	16°59	7° 2	13°50	29° 8	27°37	10° 3	16°57	T 24
W25	4 14 29	2°22'54	19°26	6°34	18°13	7°14	20°18	6°51	16°58	7° 2	13°52	29° 1	27°34	10°10	16°57	W25
T 26	4 18 26	3°23'34	4 I I 6	8° 7	19°22	7°49	20°26	6°59	16°56	7° 2	13°54	28°52	27°31	10°17	16°56	T 26
F 27	4 22 22	4°24'15	18°33	9°41	20°30	8°25	20°33	7° 6	16°55	7° 2	13°55	28°41	27°28	10°23	16°56	F 27
S 28	4 26 19	5°24'57	2939	11°14	21°39	9° 0	20°40	7°13	16°53	7° 3	13°57	28°30	27°25	10°30	16°D56	S 28
S 29	4 30 15	6°25'41	16°20	12°48	22°49	9°36	20°47	7°20	16°52	7° 3	13°59	28°20	27°21	10°37	16°56	S 29
M30	4 34 12	7 ₹ 26′26	29934	14 × 121	23 ₾ 58	10 ≏ 11	20 m 54	7 ₹ 27	16 Y 51	7 ∺ 3	14る 1	28 m 12	27 m 18	10 ≏ 43	16 ¥ 56	M30

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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	14 s15	18n 2 5s 9	9s16 1n32	3n42 0n32	4n 8 1n23	6n10 1n 0	19s19 1n41	6n20 0s40	9s39 0s49	21 s 4 1n43	0s 8	0n28	2s16	0s46 4n37
M 2	14 34	16 55 4 51	9 57 1 27	3 22 0 37	3 54 1 23	6 6 1 0	19 20 1 40	6 19 0 40	9 39 0 49	21 4 1 43	0 7	0 29	2 18	0 47 4 37
T 3	14 53	14 59 4 19	10 37 1 21	3 2 0 42	3 39 1 23	6 2 1 0	19 21 1 40	6 19 0 40	9 40 0 49	21 4 1 42	0 6	0 30	2 20	0 48 4 36
W 4	15 12	12 24 3 35	11 16 1 15	2 41 0 47	3 25 1 24	5 58 1 0	19 23 1 40	6 18 0 40	9 40 0 49	21 4 1 42	0 6	0 31	2 21	0 49 4 36
T 5	15 30	9 20 2 43	11 56 1 9	2 20 0 51	3 11 1 24	5 55 1 1	19 24 1 40	6 17 0 40	9 40 0 49	21 4 1 42	0 7	0 33	2 23	0 49 4 36
F 6	15 49	5 56 1 45	12 34 1 3	1 59 0 56	2 56 1 24	5 51 1 1	19 25 1 40	6 16 0 40	9 40 0 49	21 4 1 42	0 7	0 34	2 25	0 50 4 36
S 7	16 7	2 19 0 42	13 13 0 56	1 38 1 1	2 42 1 24	5 47 1 1	19 27 1 40	6 15 0 40	9 40 0 49	21 4 1 42	0 8	0 35	2 27	0 51 4 35
S 8	16 24	1 s23 0n22	13 50 0 50	1 16 1 5	2 28 1 24	5 44 1 1	19 28 1 40	6 15 0 40	9 40 0 49	21 4 1 42	0 8	0 37	2 29	0 52 4 35
M 9	16 42	5 2 1 24	14 27 0 43	0 54 1 9	2 14 1 24	5 40 1 1	19 29 1 40	6 14 0 40	9 40 0 49	21 4 1 42	0 7	0 38	2 30	0 52 4 35
T 10	16 59	8 31 2 24	15 4 0 36	0 32 1 13	1 59 1 25	5 37 1 2	19 31 1 40	6 13 0 40	9 41 0 49	21 4 1 41	0 6	0 39	2 32	0 53 4 34
W11	17 16	11 41 3 18	15 39 0 30	0 10 1 17	1 45 1 25	5 33 1 2	19 32 1 40	6 12 0 40	9 41 0 49	21 4 1 41	0 3	0 40	2 34	0 54 4 34
T 12	17 32	14 24 4 3	16 14 0 23	0s13 1 21	1 31 1 25	5 30 1 2	19 33 1 39	6 12 0 40	9 41 0 48	21 4 1 41	0 0	0 42	2 36	0 54 4 34
F 13	17 49	16 30 4 37	16 48 0 16	0 35 1 25	1 17 1 25	5 27 1 2	19 35 1 39	6 11 0 40	9 41 0 48	21 4 1 41	0n 4	0 43	2 38	0 55 4 34
S 14	18 5	17 51 4 59	17 21 0 9	0 58 1 28	1 2 1 25	5 23 1 2	19 36 1 39	6 10 0 40	9 41 0 48	21 4 1 41	0 8	0 44	2 39	0 55 4 33
S 15	18 20	18 20 5 6	17 54 0 3	1 21 1 32	0 48 1 25	5 20 1 3	19 37 1 39	6 10 0 40	9 41 0 48	21 4 1 41	0 11	0 45	2 41	0 56 4 33
M16					0 34 1 26	5 17 1 3		6 9 0 40	9 41 0 48	21 4 1 41	0 15		2 43	0 57 4 33
T 17	18 51			2 8 1 38	0 20 1 26	5 14 1 3	19 40 1 39	6 8 0 40	9 41 0 48	21 4 1 40	0 17	0 48	2 45	0 57 4 32
W18			19 25 0 17	2 31 1 41	0 6 1 26			6 8 0 40		1		-	2 47	0 58 4 32
T 19			19 54 0 24		0 s 8 1 26			6 7 0 40		1			2 49	0 58 4 32
F 20	19 34	7 13 1 57	20 22 0 31	3 19 1 47	0 22 1 26			6 6 0 40					2 50	0 59 4 31
S 21	19 47	2 55 0 44	20 49 0 37	3 42 1 50	0 36 1 26	5 1 1 4	19 45 1 39	6 6 0 40	9 41 0 48	21 4 1 40	0 18	0 53	2 52	0 59 4 31
S 22	20 0	1n37 0s32	21 14 0 43	4 6 1 52	0 50 1 26	4 58 1 4	19 46 1 39	6 5 0 39	9 41 0 48	21 4 1 40	0 18	0 54	2 54	0 59 4 31
M23	20 13	6 7 1 48	21 39 0 50	4 30 1 55	1 4 1 27	4 56 1 4	19 47 1 39	6 4 0 39	9 41 0 48	21 4 1 40	0 19	0 55	2 56	1 0 4 30
T 24	20 26	10 17 2 57	22 2 0 56	4 54 1 57	1 18 1 27	4 53 1 5	19 49 1 39	6 4 0 39	9 41 0 48	21 4 1 40	0 21	0 57	2 58	1 0 4 30
W25	20 38	13 49 3 55	22 25 1 2	5 18 1 59	1 32 1 27	4 50 1 5	19 50 1 38	6 3 0 39	9 41 0 48	21 4 1 39	0 24	0 58	2 59	1 1 4 30
	20 50	16 27 4 36	22 46 1 8	5 42 2 1	1 46 1 27	4 47 1 5	19 51 1 38	6 3 0 39	9 40 0 48	21 4 1 39	0 27	0 59	3 1	1 1 4 30
F 27	21 1	17 59 4 59	23 6 1 13	6 7 2 3	2 0 1 27	4 45 1 5	19 52 1 38	6 2 0 39	9 40 0 48	21 4 1 39	0 31	1 1	3 3	1 1 4 29
S 28	21 12	18 22 5 2	23 25 1 19	6 31 2 5	2 14 1 27	4 42 1 6	19 54 1 38	6 2 0 39	9 40 0 48	21 4 1 39	0 36	1 2	3 5	1 2 4 29
S 29	21 23	17 40 4 49	23 43 1 24	6 55 2 6	2 28 1 27	4 39 1 6	19 55 1 38	6 1 0 39	9 40 0 48	21 4 1 39	0 40	1 3	3 7	1 2 4 29
M30	21 s33	16n 0 4s19	24s 0 1s29	7s19 2n 8	2 s41 1n27	4n37 1n 6	19s56 1n38	6n 1 0s39	9 s40 0 s48	21 s 4 1n39	0n43	1n 4	3 s 8	1 s 2 4n28

Julian Day Number = 2457327.5, Delta T = 68.02 sec Ecliptic obliquity = $23^{\circ}26'05$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}57'41$, Lahiri = $24^{\circ}04'42$

DECEMBER 2015 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(¥	Р	ß	v	Ç	ę,	Day
T 1	4 38 9	8 .7 27'12	12 \O 23	15 ₹ 54	25 <u>₽</u> 8	10 ≏ 46	21 mg 1	7 . ₹34	16°R49	7) 4	14궁 2	28°R 6	27 m/15	10₽50	16) 56	T 1
W 2	4 42 5	9°28'00	24°50	17°28	26°17	11°22	21° 7	7°41	16 Ƴ 48	7° 4	14° 4	28Mp 3	27°12	10°57	16°57	W 2
T 3	4 46 2	10°28'50	6 m 58	19° 1	27°27	11°57	21°14	7°48	16°47	7° 5	14° 6	28°D 2	27° 9	11° 3	16°57	T 3
F 4	4 49 58	11°29'41	18°54	20°34	28°37	12°32	21°20	7°55	16°46	7° 5	14° 8	28° 2	27° 5	11°10	16°57	F 4
S 5	4 53 55	12°30'33	0 ჲ 42	22° 7	29°48	13° 7	21°26	8° 3	16°45	7° 6	14° 9	28°R 2	27° 2	11°17	16°58	S 5
S 6	4 57 51	13°31'26	12°29	23°40	OM 58	13°42	21°32	8°10	16°44	7° 6	14°11	28° 2	26°59	11°23	16°58	S 6
M 7	5 1 48	14°32'21	24°19	25°12	2° 8	14°18	21°38	8°17	16°43	7° 7	14°13	27°59	26°56	11°30	16°58	M 7
T 8	5 5 44	15°33'17	6 M .17	26°45	3°19	14°53	21°44	8°24	16°42	7° 8	14°15	27°53	26°53	11°37	16°59	T 8
W 9	5 9 41	16°34'15	18°27	28°18	4°30	15°27	21°49	8°31	16°41	7° 8	14°17	27°44	26°50	11°43	17° 0	W 9
T 10	5 13 38	17°35'13	0 ∡ 749	29°50	5°41	16° 2	21°55	8°38	16°40	7° 9	14°19	27°33	26°46	11°50	17° 0	T 10
F 11	5 17 34	18°36'13	13°27	1る22	6°51	16°37	22° 0	8°45	16°39	7°10	14°21	27°20	26°43	11°56	17° 1	F 11
S 12	5 21 31	19°37'13	26°19	2°55	8° 3	17°12	22° 5	8°52	16°39	7°10	14°23	27° 6	26°40	12° 3	17° 2	S 12
S 13	5 25 27	20°38'14	9 ට 26	4°26	9°14	17°47	22°10	8°59	16°38	7°11	14°25	26°52	26°37	12°10	17° 2	S 13
M14	5 29 24	21°39'16	22°44	5°58	10°25	18°21	22°15	9° 6	16°37	7°12	14°27	26°41	26°34	12°16	17° 3	M14
T 15	5 33 20	22°40'19	6≈13	7°29	11°36	18°56	22°19	9°13	16°37	7°13	14°28	26°32	26°31	12°23	17° 4	T 15
W16	5 37 17	23°41'22	19°50	9° 0	12°48	19°30	22°24	9°20	16°36	7°14	14°30	26°26	26°27	12°30	17° 5	W16
T 17	5 41 13	24°42'25	3 ∺ 36	10°30	14° 0	20° 5	22°28	9°27	16°36	7°15	14°32	26°23	26°24	12°36	17° 6	T 17
F 18	5 45 10	25°43'29	17°29	12° 0	15°11	20°39	22°32	9°34	16°35	7°16	14°34	26°22	26°21	12°43	17° 7	F 18
S 19	5 49 7	26°44'33	1 Y 30	13°29	16°23	21°14	22°36	9°41	16°35	7°17	14°36	26°21	26°18	12°50	17° 8	S 19
S 20	5 53 3	27°45'37	15°38	14°56	17°35	21°48	22°39	9°48	16°34	7°18	14°38	26°21	26°15	12°56	17°10	S 20
M21	5 57 0	28°46'42	29°52	16°23	18°47	22°22	22°43	9°55	16°34	7°19	14°40	26°18	26°11	13° 3	17°11	M21
T 22	6 0 56	2 <u>9</u> °47'47	14811	17°48	19°59	22°56	22°46	10° 2	16°34	7°20	14°42	26°13	26° 8	13°10	17°12	T 22
W23	6 4 53	0 ප් 48'52	28°30	19°12	21°11	23°30	22°49	10° 8	16°34	7°21	14°44	26° 5	26° 5	13°16	17°14	W23
T 24	6 8 49	1°49'58	12 Ⅱ 45	20°33	22°23	24° 4	22°52	10°15	16°34	7°22	14°46	25°54	26° 2	13°23	17°15	T 24
F 25	6 12 46	2°51'04	26°50	21°52	23°35	24°38	22°55	10°22	16°34	7°24	14°48	25°42	25°59	13°30	17°16	F 25
S 26	6 16 42	3°52'10	109540	23° 9	24°48	25°12	22°58	10°29	16°D34	7°25	14°51	25°29	25°56	13°36	17°18	S 26
S 27	6 20 39	4°53'17	24°11	24°22	26° 0	25°46	23° 0	10°35	16°34	7°26	14°53	25°17	25°52	13°43	17°19	S 27
M28	6 24 36	5°54'24	$7\Omega 21$	25°31	27°13	26°19	23° 2	10°42	16°34	7°27	14°55	25° 7	25°49	13°50	17°21	M28
T 29	6 28 32	6°55'32	20° 8	26°36	28°25	26°53	23° 4	10°49	16°34	7°29	14°57	25° 0	25°46	13°56	17°23	T 29
W30	6 32 29	7°56'39	2 Mp 35	27°36	29°38	27°27	23° 6	10°55	16°34	7°30	14°59	24°55	25°43	14° 3	17°24	W30
T 31	6 36 25	8 궁 57'48	14 m 45	28 궁 30	0 √ 51	28 ♀ 0	23 mg 8	11 ×7 2	16 Y 34	7 ∺ 31	15중 1	24 M 53	25 m 40	14 º 9	17 米 26	T 31

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	decl	decl lat	decl	lat de	el lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl lat
T 1 W 2 T 3	21 s43 21 52 22 1	10 37 2	38 24s15 47 24 29 50 24 42	1 39 8	7 2 11	3 9	1n28 1 28 1 28	4n35 4 32 4 30	1n 6 1 6 1 7	19 58	1n38 1 38 1 38	6n 0 6 0 6 0	0 39		0 s48 0 48 0 48		1n39 1 39 1 38	0n45 0 46 0 47	1n 6 1 7 1 8	3 s10 3 12 3 14	1 s 2 4n28 1 3 4 28 1 3 4 27
F 4 S 5	22 17	3 39 0 0s 4 0n	48 24 54 114 25 4	1 48 8 1 1 52 9	55 2 13 19 2 14	3 36 3 50	1 28 1 28	4 28 4 25	1 7	20 1 20 2	1 38 1 38	5 59 5 59		9 39	0 48 0 48	21 3 21 3	1 38 1 38	0 47 0 47	1 9	3 16 3 18	1 3 4 27 1 3 4 27
S 6 M 7 T 8 W 9 T 10 F 11	22 51 22 57	7 20 2 10 39 3 13 34 3 15 56 4 17 35 4	16 25 13 15 25 20 8 25 27 54 25 31 29 25 35 52 25 37	2 0 10 2 3 10 2 2 6 10 2 2 9 11 2 11 11	6 2 15 29 2 16 52 2 16 6 2 17 89 2 17	4 17 4 30 4 43 4 57 5 10	1 28 1 28 1 28 1 28 1 29 1 29	4 23 4 21 4 19 4 17 4 15 4 14	1 7 1 8 1 8 1 8 1 8	20 4 20 5 20 7 20 8 20 9	1 38 1 38 1 38 1 38 1 38	5 58 5 58 5 58 5 57 5 57 5 57	0 39 0 39 0 39 0 39 0 39	9 38 9 38 9 38 9 38 9 37	0 48 0 48 0 48 0 48 0 48	21 3 21 3 21 3 21 3 21 3	1 38 1 38 1 38 1 38 1 38	0 47 0 48 0 51 0 54 0 58 1 4	1 12 1 13 1 14 1 16 1 17 1 18	3 23 3 25 3 27 3 28	1 3 4 26 1 3 4 26 1 3 4 26 1 3 4 26 1 3 4 25 1 3 4 25
S 12 S 13 M14 T 15 W16 T 17 F 18 S 19	23 14	18 13 4 17 4 4 14 58 3 12 1 3 8 22 1 4 13 0	0 25 37 53 25 36 30 25 33 52 25 29 0 25 24 57 25 17 47 25 9 527 24 59	2 14 12 2 2 16 12 2 2 16 13 2 17 13 2 2 16 13 2 2 15 14	16 2 17 8 2 17 80 2 17 52 2 16 3 2 16	5 36 5 49 6 2 6 15 6 28 6 41	1 29 1 29 1 29 1 29 1 29 1 29 1 29 1 29	4 12 4 10 4 8 4 7 4 5 4 4 4 3 4 1	1 9 1 9 1 10 1 10 1 10 1 11 1 11	20 11 20 12 20 13 20 14 20 15	1 38 1 38 1 38 1 38 1 38 1 38 1 38	5 57 5 56 5 56 5 56 5 56 5 55 5 55	0 39 0 39 0 39 0 39 0 39 0 39 0 39	9 37 9 36 9 36 9 36 9 35 9 35	0 48 0 48 0 48 0 48 0 48 0 48	21 3 21 3 21 2 21 2 21 2 21 2	1 37 1 37 1 37 1 37 1 37 1 37 1 37	1 9 1 15 1 19 1 23 1 25 1 26 1 27 1 27	1 19 1 21 1 22 1 23 1 25 1 26 1 27 1 28	3 30 3 32 3 34 3 36 3 37 3 39 3 41 3 43	1 3 4 25 1 3 4 24 1 3 4 24 1 3 4 24 1 3 4 23 1 3 4 23 1 3 4 23 1 3 4 23
S 20 M21 T 22 W23 T 24 F 25 S 26	23 25 23 24	4 37 1 8 49 2 12 31 3 15 29 4 17 29 4 18 23 5	40 24 47 47 24 34 44 24 20	2 12 14 2 10 15 2 6 15 2 2 15 1 58 16	55 2 15 66 2 14 66 2 13 66 2 12 55 2 11 64 2 10	7 7 7 19 7 32 7 44 7 57 8 9	1 29 1 29 1 29 1 30 1 30 1 30 1 30	3 55	1 11 1 11 1 12 1 12 1 12 1 12	20 18 20 19 20 20 20 21	1 38 1 38 1 38 1 38 1 38 1 38 1 38	5 55 5 55 5 55 5 55 5 55 5 55 5 55	0 39 0 38 0 38 0 38 0 38 0 38	9 34 9 33 9 33 9 32 9 32	0 48 0 48 0 48 0 48 0 48 0 48	21 2 21 2 21 2 21 2 21 2 21 1 21 1	1 36 1 36 1 36 1 36 1 36 1 36 1 36	1 27 1 28 1 30 1 33 1 38 1 43 1 48	1 30 1 31 1 32 1 33 1 35 1 36 1 37	3 45 3 46 3 48 3 50 3 52 3 54 3 55	1 3 4 22 1 2 4 22 1 2 4 22 1 2 4 21 1 2 4 21 1 1 4 21 1 1 4 20
S 27 M28 T 29 W30 T 31	23 18 23 15 23 12	14 49 3 12 2 2 8 45 1	24 22 51 44 22 30 53 22 9 55 21 47 54 21 s25	1 30 17 1 1 21 17 4 1 10 18	29 2 6 17 2 4 4 2 3	8 58	1 30 1 30 1 30 1 30 1 30	3 53 3 53 3 52	1 13 1 14 1 14	20 25 20 26 20 27 20 28 20 s29	1 38 1 38 1 38 1 38 1 n38	5 55 5 55 5 55 5 55 5 n56		9 31 9 30 9 30	0 48 0 48 0 48 0 48 0 s48	21 1 21 1	1 36 1 36 1 36 1 35 1n35	1 52 1 56 1 59 2 1 2n 2	1 38 1 40 1 41 1 42 1n43	3 59 4 1 4 3	1 1 4 20 1 0 4 20 1 0 4 20 1 0 4 19 0s59 4n19

Julian Day Number = 2457357.5, Delta T = 68.06 sec Ecliptic obliquity = $23^{\circ}26'04$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}57'45$, Lahiri = $24^{\circ}04'46$