

Astrodienst Ephemeris Tables for the year 2117

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 2117 00:00 UT

•																
Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)Å(并	В	N.	v	Ç	Ŗ	Day
F 1	6 42 29	10 ට 28'19	16 × 750	18 ∡ 754	27 ×7 9	23846	4) (24	1°R23	0°R24	24 ₽ 17	18°R45	22°R59	22 ° 9	14) 7	20) 16	F 1
S 2	6 46 26	11°29'29	29°50	20° 7	28°25	23°50	4°35	1823	09522	24°18	18 8 44	22 Y 47	22° 6	14°13	20°17	S 2
S 3	6 50 22	12°30'39	12 る 39	21°23	29°40	23°55	4°47	1°D23	0°19	24°19	18°44	22°34	22° 2	14°20	20°19	S 3
M 4	6 54 19	13°31'50	25°15	22°40	0 궁 55	24° 0	4°58	1°23	0°17	24°19	18°43	22°19	21°59	14°27	20°21	M 4
T 5	6 58 15	14°33'00	7≈38	23°59	2°11	24° 7	5°10	1°23	0°14	24°20	18°43	22° 6	21°56	14°33	20°23	T 5
W 6	7 2 12	15°34'10	19°48	25°19	3°26	24°13	5°22	1°23	0°12	24°21	18°42	21°53	21°53	14°40	20°25	W 6
T 7	7 6 8	16°35'20	1) (48	26°40	4°42	24°21	5°34	1°24	0° 9	24°21	18°41	21°44	21°50	14°47	20°27	T 7
F 8	7 10 5	17°36'30	13°40	28° 2	5°57	24°29	5°45	1°24	0° 7	24°22	18°41	21°37	21°47	14°53	20°29	F 8
S 9	7 14 1	18°37'39	25°28	29°25	7°12	24°38	5°57	1°25	0° 4	24°22	18°40	21°33	21°43	15° 0	20°31	S 9
S 10	7 17 58	19°38'48	7 Υ 16	0 궁 49	8°28	24°48	6° 9	1°26	0° 2	24°23	18°40	21°31	21°40	15° 7	20°33	S 10
M11	7 21 55	20°39'56	19°10	2°14	9°43	24°58	6°22	1°26	29∏59	24°24	18°40	21°31	21°37	15°13	20°36	M11
T 12	7 25 51	21°41'05	1815	3°40	10°59	25° 9	6°34	1°27	29°57	24°24	18°39	21°31	21°34	15°20	20°38	T 12
W13	7 29 48	22°42'12	13°37	5° 6	12°14	25°20	6°46	1°29	29°55	24°24	18°39	21°30	21°31	15°27	20°40	W13
T 14	7 33 44	23°43'19	26°22	6°33	13°29	25°32	6°59	1°30	29°53	24°25	18°38	21°26	21°27	15°33	20°42	T 14
F 15	7 37 41	24°44'26	9∏32	8° 1	14°45	25°45	7°11	1°31	29°50	24°25	18°38	21°21	21°24	15°40	20°45	F 15
S 16	7 41 37	25°45'32	23°10	9°30	16° 0	25°58	7°24	1°32	29°48	24°26	18°38	21°12	21°21	15°47	20°47	S 16
S 17	7 45 34	26°46'37	79915	10°59	17°16	26°11	7°36	1°34	29°46	24°26	18°37	21° 1	21°18	15°54	20°50	S 17
M18	7 49 31	27°47'42	21°44	12°28	18°31	26°25	7°49	1°36	29°44	24°26	18°37	20°49	21°15	16° 0	20°52	M18
T 19	7 53 27	28°48'47	6 Ω 30	13°58	19°46	26°40	8° 2	1°37	29°42	24°26	18°37	20°37	21°12	16° 7	20°55	T 19
W20	7 57 24	29°49'50	21°24	15°29	21° 2	26°55	8°15	1°39	29°39	24°27	18°36	20°27	21° 8	16°14	20°57	W20
T 21	8 1 20	0≈50'54	6 M p18	17° 1	22°17	27°11	8°27	1°41	29°37	24°27	18°36	20°18	21° 5	16°20	21° 0	T 21
F 22	8 5 17	1°51'57	21° 3	18°33	23°33	27°27	8°40	1°43	29°35	24°27	18°36	20°13	21° 2	16°27	21° 3	F 22
S 23	8 9 13	2°52'59	5 ₾ 34	20° 5	24°48	27°44	8°53	1°45	29°33	24°27	18°36	20°10	20°59	16°34	21° 5	S 23
S 24	8 13 10	3°54'01	19°46	21°38	26° 3	28° 1	9° 7	1°48	29°31	24°27	18°35	20°D10	20°56	16°40	21° 8	S 24
M25	8 17 6	4°55'03	3 M .40	23°12	27°19	28°19	9°20	1°50	29°29	24°R27	18°35	20°R10	20°53	16°47	21°11	M25
T 26	8 21 3	5°56'05	17°16	24°46	28°34	28°37	9°33	1°53	29°27	24°27	18°35	20° 9	20°49	16°54	21°14	T 26
W27	8 25 0	6°57'06	0 ∡ 35	26°21	29°49	28°55	9°46	1°55	29°25	24°27	18°35	20° 7	20°46	17° 0	21°17	W27
T 28	8 28 56	7°58'06	13°39	27°56	1≈ 5	29°14	10° 0	1°58	29°24	24°27	18°35	20° 2	20°43	17° 7	21°19	T 28
F 29	8 32 53	8°59'06	26°31	29°33	2°20	29°33	10°13	2° 1	29°22	24°27	18°35	19°54	20°40	17°14	21°22	F 29
S 30	8 36 49	10° 0'06	9 궁 12	1≈ 9	3°35	29°53	10°27	2° 3	29°20	24°27	18°35	19°44	20°37	17°20	21°25	S 30
S 31	8 40 46	11≈ 1'04	21 る 41	2≈47	4≈51	0 П 13	10) (40	2 8 6	29∏18	24 ≏ 27	18 8 35	19 Y 32	20 Y 33	17) 27	21 米 28	S 31

Day	0	D	ğ	Q	₫ [*]	4	ħ)ф(并	P	n s	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	cl decl	decl lat
F 1 S 2	23 s 1 22 56			126 23 s10 0n14 17 23 14 0 11		10s51 1s 2 10 47 1 2		23n39 0n14 23 39 0 14	7 s53 1n38 7 54 1 38	2n30 15s27 2 31 15 26	8n56 8n 8 51 8		
S 3 M 4 T 5	22 50 22 44 22 38			0 23 19 0 6	20 49 2 8 20 50 2 9 20 52 2 9		9 35 2 31		7 54 1 38 7 54 1 38 7 54 1 38	2 31 15 26 2 31 15 26 2 31 15 26		35 9 4 34 9 1 32 8 58	0 2 4 8 0 1 4 8 0 1 4 7
W 6 T 7 F 8 S 9	22 31 22 24 22 16 22 8	19 4 4 26 14 25 3 51 9 17 3 6	5 22 37 0 4 22 48 0 3 5 22 58 0 2	43 23 22 0 1 35 23 22 0s 1 27 23 21 0 4	20 55 2 10 20 57 2 10 20 59 2 10	10 30 1 2 10 25 1 2 10 21 1 2	9 36 2 30 9 36 2 30 9 37 2 30	23 39 0 14 23 39 0 14 23 39 0 14	7 54 1 38 7 55 1 38 7 55 1 38 7 55 1 39	2 31 15 25 2 31 15 25 2 31 15 25 2 32 15 24	8 31 8 8 28 8 8 25 8 8 24 8	31 8 55 30 8 51 29 8 48	0 0 4 7 0n 0 4 7 0 1 4 7
S 10 M11 T 12	21 59 21 50 21 41	1n44 1 15 7 18 0 12	23 15 0 2 23 21 0	11 23 18 0 9	21 4 2 11 21 7 2 11	10 12 1 1 10 7 1 1	9 38 2 29	23 39 0 14 23 39 0 14	7 55 1 39 7 55 1 39 7 55 1 39 7 55 1 39	2 32 15 24 2 32 15 24 2 32 15 24 2 32 15 23	8 23 8 8 23 8 8 23 8	27 8 42 25 8 38	0 2 4 6 0 3 4 6
W13 T 14 F 15	21 31 21 21 21 10	17 44 1 54 22 8 2 53 25 34 3 45	23 32 0 1 3 23 35 0 2 5 23 38 0 2	12 23 8 0 16 20 23 3 0 18 27 22 57 0 21	21 13 2 12 21 16 2 12 21 19 2 12	9 58 1 1 9 54 1 1 9 49 1 1	9 40 2 28 9 40 2 28 9 41 2 28	23 39 0 14 23 39 0 14 23 39 0 14	7 55 1 39 7 56 1 39 7 56 1 39	2 32 15 23 2 32 15 23 2 33 15 23	8 23 8 8 21 8 8 19 8	23 8 32 22 8 29 21 8 25	0 4 4 5 0 5 4 5 0 5 4 5
S 16 S 17 M18 T 19	20 47 20 35 20 23	28 5 4 52 26 37 5 0 23 18 4 49	2 23 39 0 4 0 23 37 0 4 0 23 35 0 5	34 22 51 0 23 41 22 44 0 25 47 22 36 0 28 54 22 28 0 30	21 26 2 12 21 29 2 12 21 33 2 13	9 44 1 1 9 39 1 1 9 35 1 1 9 30 1 1	9 43 2 27 9 43 2 27 9 44 2 27	23 39 0 14	7 56 1 39 7 56 1 39 7 56 1 39 7 56 1 39	2 33 15 22 2 33 15 22 2 33 15 22 2 34 15 21		18 8 19 17 8 16 16 8 12	0 7 4 4 0 8 4 4 0 8 4 4
W20 T 21 F 22 S 23	-	12 26 3 30 5 48 2 27	23 26 1 23 19 1	0 22 19 0 32 6 22 9 0 34 11 21 58 0 36 17 21 47 0 39	21 40 2 13 21 44 2 13	9 25 1 1 9 20 1 1 9 15 1 1 9 10 1 1	9 46 2 26 9 47 2 26	23 39 0 14 23 39 0 14 23 39 0 14 23 39 0 14	7 56 1 39 7 56 1 39 7 56 1 39 7 56 1 39	2 34 15 21 2 34 15 21 2 34 15 20 2 35 15 20	7 59 8 7 56 8 7 54 8 7 53 8	13 8 6 12 8 2	0 10 4 3 0 11 4 3
S 24 M25 T 26 W27	19 16 19 2 18 47 18 31	13 51 1s11 19 11 2 18	22 52 1 2 22 40 1 3	22 21 36 0 41 27 21 23 0 43 32 21 10 0 45 36 20 57 0 47	21 56 2 13	9 5 1 1 9 0 1 1 8 55 1 0 8 50 1 0	9 50 2 25 9 51 2 25	23 39 0 14 23 39 0 14 23 39 0 14 23 39 0 14	7 56 1 39 7 56 1 40 7 56 1 40 7 56 1 40	2 35 15 20 2 35 15 19 2 35 15 19 2 36 15 19	7 53 8 7 53 8 7 52 8 7 52 8	10 7 56 9 7 53 7 7 49 6 7 46	0 13 4 3 0 14 4 2
T 28 F 29 S 30		26 27 4 4 28 0 4 37	22 12 1 4 21 56 1 4		22 8 2 12 22 12 2 12	8 45 1 0 8 40 1 0 8 35 1 0	9 54 2 24 9 55 2 24	23 39 0 14 23 39 0 14 23 39 0 14 23 39 0 14	7 55 1 40 7 55 1 40 7 55 1 40 7 55 1 40	2 36 15 18 2 36 15 18 2 36 15 18 2 37 15 18	7 50 8 7 47 8 7 43 8	5 7 43 4 7 40 3 7 36	0 16 4 2 0 17 4 2
S 31	17 s27	26 s 38 5 s 1	21 s20 1 s	51 19s56 0s55	22n20 2n12	8s30 1s 0	9n57 2s23	23n39 0n14	7 s 5 5 1 n 4 0	2n37 15s17	7n38 8n	2 7s33	0n19 4n 1

Julian Day Number = 2494278.5, Delta T = 101.64 sec Ecliptic obliquity = $23^{\circ}25'34$, Nutation = - $0^{\circ}00'06$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'30$, Lahiri = $25^{\circ}29'31$

FEBRUARY 2117 00:00 UT

Day	Sid.t	0	D	ğ	Ф	ð	4	ħ)Å(卉	Р	n	v	Ç	Ŗ	Day
M 1	8 44 42	12≈ 2'02	4≈ 1	4≈25	6≈ 6	0Д34	10) 54	2810	29°R16	24°R26	18°D35	19°R18	20 Y 30	17) 34	21 米 31	M 1
T 2	8 48 39	13° 2'59	16°12	6° 3	7°22	0°54	11° 7	2°13	29Ⅱ15	24 <u>₽</u> 26	18 8 35	19 Y 5	20°27	17°40	21°34	T 2
W 3	8 52 35	14° 3'54	28°14	7°43	8°37	1°16	11°21	2°16	29°13	24°26	18°35	18°54	20°24	17°47	21°38	W 3
T 4	8 56 32	15° 4'49	10) 8	9°23	9°52	1°37	11°35	2°19	29°12	24°25	18°35	18°45	20°21	17°54	21°41	T 4
F 5	9 0 29	16° 5'42	21°58	11° 4	11° 7	1°59	11°48	2°23	29°10	24°25	18°35	18°38	20°18	18° 0	21°44	F 5
S 6	9 4 25	17° 6'34	3 Ƴ 44	12°45	12°23	2°21	12° 2	2°27	29° 9	24°25	18°35	18°35	20°14	18° 7	21°47	S 6
S 7	9 8 22	18° 7'25	15°32	14°28	13°38	2°44	12°16	2°30	29° 7	24°24	18°35	18°D33	20°11	18°14	21°50	S 7
M 8	9 12 18	19° 8'14	27°25	16°11	14°53	3° 7	12°30	2°34	29° 6	24°24	18°35	18°34	20° 8	18°20	21°53	M 8
T 9	9 16 15	20° 9'02	9 8 28	17°55	16° 9	3°30	12°44	2°38	29° 4	24°23	18°35	18°35	20° 5	18°27	21°57	T 9
W10	9 20 11	21° 9'48	21°46	19°39	17°24	3°54	12°58	2°42	29° 3	24°23	18°36	18°R35	20° 2	18°34	22° 0	W10
T 11	9 24 8	22°10'33	4 Ⅱ 26	21°25	18°39	4°18	13°12	2°46	29° 2	24°22	18°36	18°34	19°59	18°40	22° 3	T 11
F 12	9 28 4	23°11'17	17°30	23°11	19°54	4°42	13°26	2°50	29° 1	24°22	18°36	18°31	19°55	18°47	22° 7	F 12
S 13	9 32 1	24°11'59	199 4	24°58	21°10	5° 6	13°40	2°54	28°59	24°21	18°36	18°26	19°52	18°54	22°10	S 13
S 14	9 35 58	25°12'39	15° 7	26°45	22°25	5°31	13°54	2°59	28°58	24°21	18°36	18°19	19°49	19° 0	22°13	S 14
M15	9 39 54	26°13'18	29°39	28°34	23°40	5°56	14° 8	3° 3	28°57	24°20	18°37	18°11	19°46	19° 7	22°17	M15
T 16	9 43 51	27°13'55	$14\Omega 33$	0 ∺ 23	24°55	6°21	14°23	3° 8	28°56	24°19	18°37	18° 3	19°43	19°14	22°20	T 16
W17	9 47 47	28°14'31	29°42	2°13	26°10	6°47	14°37	3°12	28°55	24°19	18°37	17°55	19°39	19°20	22°24	W17
T 18	9 51 44	29°15'05	14 M 55	4° 3	27°26	7°12	14°51	3°17	28°54	24°18	18°38	17°49	19°36	19°27	22°27	T 18
F 19	9 55 40	0 ∺ 15'38	0 요 2	5°54	28°41	7°38	15° 5	3°22	28°53	24°17	18°38	17°46	19°33	19°34	22°31	F 19
S 20	9 59 37	1°16'09	14°54	7°45	29°56	8° 4	15°20	3°26	28°53	24°16	18°39	17°D45	19°30	19°40	22°34	S 20
S 21	10 3 33	2°16'39	29°25	9°37	1) (11	8°31	15°34	3°31	28°52	24°15	18°39	17°45	19°27	19°47	22°38	S 21
M22	10 7 30	3°17'08	13 M 33	11°28	2°26	8°57	15°48	3°36	28°51	24°14	18°39	17°46	19°24	19°54	22°41	M22
T 23	10 11 27	4°17'36	27°16	13°20	3°41	9°24	16° 3	3°41	28°50	24°14	18°40	17°47	19°20	20° 0	22°45	T 23
W24	10 15 23	5°18'02	10 ₮ 36	15°12	4°56	9°51	16°17	3°46	28°50	24°13	18°40	17°R47	19°17	20° 7	22°48	W24
T 25	10 19 20	6°18'28	23°35	17° 3	6°12	10°19	16°31	3°52	28°49	24°12	18°41	17°46	19°14	20°14	22°52	T 25
F 26	10 23 16	7°18'51	6 ਰ 17	18°53	7°27	10°46	16°46	3°57	28°49	24°11	18°41	17°42	19°11	20°20	22°55	F 26
S 27	10 27 13	8°19'14	18°45	20°43	8°42	11°14	17° 0	4° 2	28°48	24°10	18°42	17°37	19° 8	20°27	22°59	S 27
S 28	10 31 9	9 ¥ 19'35	1≈ 1	22) 31	9) 57	11 Ⅱ 42	17 ∺ 15	4 8 8	28∏48	24 ♀ 9	18842	17 Y 31	19 Y 5	20) €34	23 ∺ 3	S 28

Day	0	7)	ζ	3	ς	?	ď	7	2	ł	ŧ	1);	ł(Ä	Ţ	Р	v	S	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
M 1	17 s11	23 s58	4s52	21s 0	1 s54	19s39	0s56	22n24	2n12	8 s24	1 s 0	9n59	2 s23	23n39	0n14	7 s 5 5	1n40	2n37 15s1	7 7n33	8n 0	7s30	0n20 4n 1
T 2	16 53	20 15	4 29	20 38	1 57	19 22	0 58	22 29	2 12	8 19	1 0	10 0	2 23	23 39	0 14	7 55	1 40	2 38 15 1	7 7 28	7 59	7 26	0 21 4 1
W 3	16 36	15 45	3 55	20 15	1 59	19 4	1 0	22 33	2 11	8 14	1 0	10 1	2 22	23 39	0 14	7 55	1 40	2 38 15 1	6 7 24	7 58	7 23	0 22 4 1
T 4	16 18	10 41	3 10	19 51	2 1	18 45	1 2	22 37	2 11	8 9	1 0	10 3	2 22	23 39	0 14	7 55	1 40	2 38 15 1	6 7 20	7 57	7 20	0 23 4 0
F 5	16 0	5 17	2 17	19 25	2 3	18 26	1 3	22 41	2 11	8 3	1 0	10 4	2 22	23 39	0 14	7 54	1 40	2 39 15 1	6 7 18	7 56	7 16	0 24 4 0
S 6	15 42	0n17	1 18	18 57	2 4	18 7	1 5	22 46	2 11	7 58	1 0	10 6	2 22	23 39	0 14	7 54	1 40	2 39 15 1	5 7 17	7 54	7 13	0 25 4 0
S 7	15 23	5 52	0 16	18 28	2 5	17 47	1 6	22 50	2 11	7 53	1 0	10 7	2 21	23 39	0 14	7 54	1 40	2 39 15 1	5 7 16	7 53	7 10	0 26 4 0
M 8	15 5	11 17	0n47	17 58	2 5	17 27	1 8	22 54	2 11	7 47	1 0	10 9	2 21	23 39	0 14	7 54	1 40	2 40 15 1	5 7 16	7 52	7 7	0 27 4 0
T 9	14 46	16 22	1 50	17 26	2 5	17 6	1 9	22 58	2 10	7 42	1 0	10 10	2 21	23 39	0 14	7 54	1 40	2 40 15 1	4 7 17	7 51	7 3	0 29 4 0
W10	14 26	20 54	2 48	16 53	2 5	16 44	1 11	23 3	2 10	7 37	1 0	10 12	2 21	23 39	0 14	7 53	1 40	2 40 15 1	4 7 17	7 50	7 0	0 30 3 59
T 11	14 7	24 38	3 41	16 19	2 4	16 22	1 12	23 7	2 10	7 31	1 0	10 14	2 20	23 39	0 14	7 53	1 41	2 41 15 1	4 7 16	7 48	6 57	0 31 3 59
F 12	13 47	27 12	4 23	15 43	2 3	16 0	1 13	23 11	2 10	7 26	1 0	10 15	2 20	23 39	0 14	7 53	1 41	2 41 15 1	3 7 15	7 47	6 53	0 32 3 59
S 13	13 27	28 18	4 53	15 5	2 1	15 37	1 15	23 16	2 9	7 20	1 0	10 17	2 20	23 39	0 14	7 53	1 41	2 42 15 1	3 7 13	7 46	6 50	0 33 3 59
S 14	13 7	27 38	5 6	14 27	1 58	15 14	1 16	23 20	2 9	7 15	1 0	10 19	2 20	23 39	0 14	7 52	1 41	2 42 15 1	3 7 11	7 45	6 47	0 34 3 59
M15	12 46	25 6	5 0	13 46	1 56	14 50	1 17	23 24	2 9	7 10	1 0	10 20	2 19	23 39	0 14	7 52	1 41	2 42 15 1	2 7 8	7 44	6 43	0 36 3 59
T 16	12 26	20 50	4 35	13 5	1 52	14 26	1 18	23 28	2 9	7 4	1 0	10 22	2 19	23 39	0 14	7 52	1 41	2 43 15 1	2 7 4	,	6 40	0 37 3 58
W17	12 5	15 9	3 49	12 22	1 48	14 1	1 19	23 32	2 8	6 59	1 0	10 24	2 19	23 39	0 14	7 51	1 41	2 43 15 1	2 7 2	7 41	6 37	0 38 3 58
T 18	11 44	8 31	2 48	11 38	1 44	13 36	1 20	23 36	2 8	6 53	1 0	10 26	2 19	23 39	0 14	7 51	1 41	2 44 15 1	1 6 59	7 40	6 33	0 39 3 58
F 19	11 22	1 26	1 34	10 52	1 39	13 11	1 21	23 40	2 8	6 48	1 0	10 28	2 18	23 39	0 14	7 51	1 41	2 44 15 1	1 6 58	7 39	6 30	0 40 3 58
S 20	11 1	5 s 3 8	0 15	10 6	1 33	12 46	1 21	23 44	2 7	6 42	1 0	10 29	2 18	23 39	0 14	7 50	1 41	2 44 15 1	1 6 58	7 38	6 27	0 42 3 58
S 21	10 39	12 14	1 s 3	9 18	1 27	12 20	1 22	23 48	2 7	6 37	1 0	10 31	2 18	23 39	0 14	7 50	1 41	2 45 15 1	0 6 58	7 36	6 23	0 43 3 58
M22	10 18	18 2	2 15	8 29	1 20	11 53	1 23	23 52	2 7	6 31	1 0	10 33	2 18	23 39	0 14	7 50	1 41	2 45 15 1	0 6 58	7 35	6 20	0 44 3 58
T 23	9 56	22 44	3 17	7 39	1 12	11 27	1 24	23 56	2 6	6 25	1 0	10 35	2 17	23 39	0 14	7 49	1 41	2 46 15 1	0 6 59	7 34	6 17	0 46 3 57
W24	9 34	26 6	4 7	6 49	1 4	11 0	1 24	24 0	2 6	6 20	1 0	10 37	2 17	23 39	0 14	7 49	1 41	2 46 15	9 6 59	7 33	6 13	0 47 3 57
T 25	9 12	27 59	4 43	5 58	0 55	10 33	1 25	24 3	2 6	6 14	1 0	10 39	2 17	23 39	0 14	7 48	1 41	2 47 15	9 6 58	7 32	6 10	0 48 3 57
F 26	8 49	28 20	5 4	5 6	0 46	10 5	1 25	24 7	2 5	6 9	1 0	10 41	2 17	23 39	0 14	7 48	1 41	2 47 15	9 6 57	7 30	6 7	0 49 3 57
S 27	8 27	27 14	5 10	4 13	0 36	9 37	1 25	24 11	2 5	6 3	1 0	10 43	2 16	23 39	0 14	7 48	1 41	2 47 15	8 6 55	7 29	6 3	0 51 3 57
S 28	8s 4	24 s49	5 s 1	3 s21	0 s 2 5	9s 9	1 s26	24n14	2n 5	5 s 5 7	1 s 0	10n45	2s16	23n39	0n14	7 s47	1n41	2n48 15s	8 6n52	7n28	6s 0	0n52 3n57

Julian Day Number = 2494309.5, Delta T = 101.69 sec Ecliptic obliquity = 23°25'35, Nutation = -0°00'04, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°22'34, Lahiri = 25°29'35

MARCH 2117 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∱(1 4	Р	n	v	ţ	ę,	Day
M 1	10 35 6	10) 19'54	13 ≈ 7	24) (17	11) 12	12 I I10	17) 29	4 8 13	28°R47	24°R 8	18843	17°R23	19 Υ 1	20) (40	23 米 6	M 1
T 2	10 39 2	11°20'11	25° 7	26° 1	12°27	12°38	17°44	4°19	28 Ⅱ 47	24 <u>₽</u> 7	18°44	17 Y 16	18°58	20°47	23°10	T 2
W 3	10 42 59	12°20'27	7 ₩ 0	27°42	13°42	13° 7	17°58	4°25	28°47	24° 5	18°44	17°10	18°55	20°54	23°14	W 3
T 4	10 46 56	13°20'42	18°50	29°21	14°57	13°35	18°13	4°30	28°47	24° 4	18°45	17° 5	18°52	21° 0	23°17	T 4
F 5	10 50 52	14°20'54	0 Υ 38	0 Υ 55	16°12	14° 4	18°27	4°36	28°47	24° 3	18°46	17° 2	18°49	21° 7	23°21	F 5
S 6	10 54 49	15°21'04	12°26	2°25	17°27	14°33	18°42	4°42	28°46	24° 2	18°46	17°D 1	18°45	21°13	23°25	S 6
S 7	10 58 45	16°21'13	24°16	3°50	18°42	15° 2	18°56	4°48	28°D46	24° 1	18°47	17° 1	18°42	21°20	23°28	S 7
M 8	11 2 42	17°21'20	6 8 13	5°10	19°57	15°31	19°11	4°54	28°46	23°59	18°48	17° 2	18°39	21°27	23°32	M 8
T 9	11 638	18°21'24	18°18	6°23	21°12	16° 1	19°25	5° 0	28°47	23°58	18°48	17° 4	18°36	21°33	23°36	T 9
W10	11 10 35	19°21'27	0Д38	7°30	22°27	16°31	19°40	5° 6	28°47	23°57	18°49	17° 6	18°33	21°40	23°39	W10
T 11	11 14 31	20°21'27	13°15	8°30	23°42	17° 0	19°54	5°12	28°47	23°56	18°50	17° 7	18°30	21°47	23°43	T 11
F 12	11 18 28	21°21'25	26°15	9°23	24°56	17°30	20° 9	5°18	28°47	23°54	18°51	17°R 7	18°26	21°53	23°47	F 12
S 13	11 22 24	22°21'22	9 9 40	10° 8	26°11	18° 0	20°23	5°25	28°47	23°53	18°52	17° 6	18°23	22° 0	23°51	S 13
S 14	11 26 21	23°21'15	23°32	10°44	27°26	18°30	20°38	5°31	28°48	23°52	18°52	17° 4	18°20	22° 7	23°54	S 14
M15	11 30 18	24°21'07	7 Ω 53	11°12	28°41	19° 1	20°52	5°37	28°48	23°50	18°53	17° 1	18°17	22°13	23°58	M15
T 16	11 34 14	25°20'57	22°37	11°31	29°56	19°31	21° 7	5°44	28°49	23°49	18°54	16°58	18°14	22°20	24° 2	T 16
W17	11 38 11	26°20'44	7 m 41	11°42	1 Υ 10	20° 2	21°21	5°50	28°49	23°48	18°55	16°55	18°10	22°27	24° 5	W17
T 18	11 42 7	27°20'29	22°55	11°R44	2°25	20°33	21°36	5°57	28°50	23°46	18°56	16°53	18° 7	22°33	24° 9	T 18
F 19	11 46 4	28°20'12	8 ₾ 9	11°38	3°40	21° 3	21°50	6° 3	28°50	23°45	18°57	16°52	18° 4	22°40	24°13	F 19
S 20	11 50 0	29°19'53	23°14	11°23	4°55	21°34	22° 4	6°10	28°51	23°43	18°58	16°D52	18° 1	22°47	24°16	S 20
S 21	11 53 57	0 Ƴ 19'33	8 M 0	11° 1	6° 9	22° 5	22°19	6°17	28°52	23°42	18°59	16°53	17°58	22°53	24°20	S 21
M22	11 57 53	1°19'10	22°23	10°32	7°24	22°37	22°33	6°24	28°52	23°40	19° 0	16°54	17°55	23° 0	24°24	M22
T 23	12 1 50	2°18'46	6 ₮ 20	9°57	8°39	23° 8	22°48	6°30	28°53	23°39	19° 0	16°55	17°51	23° 7	24°28	T 23
W24	12 5 47	3°18'21	19°49	9°16	9°53	23°39	23° 2	6°37	28°54	23°37	19° 1	16°56	17°48	23°13	24°31	W24
T 25	12 9 43	4°17'53	2 ප 54	8°31	11° 8	24°11	23°17	6°44	28°55	23°36	19° 2	16°R56	17°45	23°20	24°35	T 25
F 26	12 13 40	5°17'24	15°36	7°42	12°22	24°42	23°31	6°51	28°56	23°34	19° 3	16°56	17°42	23°27	24°39	F 26
S 27	12 17 36	6°16'53	28° 0	6°51	13°37	25°14	23°45	6°58	28°57	23°33	19° 5	16°55	17°39	23°33	24°42	S 27
S 28	12 21 33	7°16'21	10≈10	5°59	14°51	25°46	24° 0	7° 5	28°58	23°31	19° 6	16°54	17°36	23°40	24°46	S 28
M29	12 25 29	8°15'46	22° 9	5° 6	16° 6	26°18	24°14	7°12	28°59	23°30	19° 7	16°53	17°32	23°47	24°49	M29
T 30	12 29 26	9°15'10	4)(2	4°14	17°20	26°50	24°28	7°19	29° 0	23°28	19° 8	16°52	17°29	23°53	24°53	T 30
W31	12 33 22	10 Y 14'31	15 ∺ 50	3 ℃ 25	18 Y 35	27 Ⅲ 22	24) (42	7 8 26	29耳 2	23 ≏ 26	198 9	16 Y 51	17 Υ 26	24 ₩ 0	24 米 57	W31

Day	0	D	ğ	φ	ď	4	ħ)Å(¥	Р	n	v .	, k
	decl	decl lat	decl lat	decl lat	lecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl de	ecl decl lat
M 1 T 2	7 s41 7 19	21 s20 4 s40 17 0 4 6	2s29 0s14 1 36 0 2		n18 2n 4	5 s52 1 s 0		23n39 0n14 23 39 0 14	7 s47 1 n41 7 46 1 41	2n48 15s 8 2 49 15 7			57 0n53 3n57 53 0 55 3 57
W 3	6 56	12 3 3 21	0 45 0n11		24 2 4	5 41 1 0			7 46 1 42	2 49 15 7			50 0 56 3 57
T 4	6 33	6 41 2 28	0n 6 0 24		28 2 3				7 45 1 42	2 50 15 7			47 0 57 3 56
F 5 S 6	6 9 5 46	1 6 1 28 4n31 0 25	0 56 0 37 1 44 0 50		31 2 3 34 2 3			23 39 0 14 23 39 0 14	7 45 1 42 7 45 1 42	2 50 15 6 2 51 15 6			43 0 59 3 56 40 1 0 3 56
S 7 M 8 T 9 W10	5 23 5 0 4 36 4 13	15 13 1 43 19 53 2 43	2 30 1 4 3 15 1 18 3 56 1 32 4 36 1 46	5 18 1 26 24 4 48 1 26 24 4 18 1 25 24	-	5 12 1 0	11 2 2 15 11 4 2 14	23 39 0 14 23 39 0 14	7 44 1 42 7 44 1 42 7 43 1 42 7 43 1 42	2 51 15 6 2 52 15 5 2 52 15 5 2 53 15 5	6 41 6 42	7 18 5 7 17 5	37
T 11 F 12 S 13	3 49 3 26 3 2	26 42 4 22 28 17 4 54 28 16 5 12	5 12 1 59 5 45 2 12 6 14 2 25		48 2 50 2 53 2 0	4 55 1 0 4 50 1 0 4 44 1 0	11 11 2 14		7 42 1 42 7 42 1 42 7 41 1 42	2 53 15 5 2 54 15 4 2 54 15 4	6 43	7 13 5	23 1 7 3 56 20 1 8 3 56 17 1 10 3 56
S 14 M15 T 16 W17 T 18 F 19 S 20	2 38 2 15 1 51 1 27 1 3 0 40 0 16	23 2 4 54 18 0 4 16 11 46 3 20 4 47 2 8 2 s 30 0 48	6 39 2 37 7 0 2 48 7 17 2 58 7 30 3 7 7 38 3 15 7 41 3 21 7 40 3 26	1 47 1 23 24 1 17 1 22 24 0 46 1 21 25 0 16 1 20 25 0n14 1 19 25	55 2 0 57 1 559 59 1 559 1 1 553 3 1 58 5 1 58 7 1 57	4 33 1 0 4 27 1 0 4 21 1 0 4 16 1 1 4 10 1 1	11 17 2 13 11 20 2 13 11 22 2 13 11 24 2 13 11 27 2 13	23 39 0 14 23 39 0 14 23 39 0 14 23 39 0 14	7 40 1 42 7 40 1 42 7 39 1 42 7 39 1 42 7 38 1 42 7 38 1 42 7 37 1 42	2 54 15 4 2 55 15 3 2 55 15 3 2 56 15 3 2 56 15 3 2 57 15 2 2 57 15 2	6 41 6 40 6 39 6 38 6 37	7 10 5 7 9 5 7 7 5 7 6 5 7 5 4	13 1 11 3 56 10 1 13 3 56 7 1 14 3 56 3 1 16 3 56 0 1 17 3 55 56 1 18 3 55 53 1 20 3 55
S 21 M22 T 23 W24 T 25 F 26 S 27	0 55 1 19 1 42 2 6	27 44 4 42 28 31 5 7 27 45 5 17	7 34 3 29 7 24 3 31 7 10 3 30 6 52 3 28 6 30 3 24 6 5 3 18 5 38 3 11		8 1 5° 10 1 5° 11 1 56 12 1 56 13 1 56 14 1 55 15 1 55	3 53 1 1 3 47 1 1 3 42 1 1 3 36 1 1 3 30 1 1	11 34 2 12 11 36 2 12 11 38 2 12 11 41 2 12 11 43 2 12	23 39 0 14 23 39 0 14 23 39 0 14 23 39 0 14	7 37 1 42 7 36 1 42 7 35 1 42 7 35 1 42 7 34 1 42 7 34 1 42 7 33 1 42	2 58 15 2 2 58 15 2 2 59 15 1 2 59 15 1 3 0 15 1 3 0 15 1 3 1 15 0	6 38 6 39 6 39 6 39 6 39	7 1 4 7 0 4 6 59 4 6 58 4 6 57 4	50 1 21 3 55 46 1 23 3 55 43 1 24 3 55 40 1 25 3 55 36 1 27 3 55 33 1 28 3 55 29 1 30 3 55
S 28 M29 T 30 W31	2 53 3 17 3 40 4n 3	22 21 4 51 18 12 4 19 13 23 3 36 8s 6 2s44		5 18 1 7 25 5 48 1 6 25	16 1 54 16 1 54 17 1 54 n17 1n53	3 14 1 1 3 8 1 1	11 53 2 11	23 39 0 14	7 33 1 42 7 32 1 42 7 31 1 42 7 s31 1 n42	3 1 15 0 3 2 15 0 3 2 15 0 3n 3 15s 0	6 38 6 37	6 53 4 6 52 4	26

Julian Day Number = 2494337.5, Delta T = 101.73 sec Ecliptic obliquity = $23^{\circ}25'36$, Nutation = - $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'38$, Lahiri = $25^{\circ}29'39$

APRIL 2117 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	Р	n	v	Ç	Ŗ	Day
T 1	12 37 19	11 ° 13'51	27) 38	2°R37	19 Y 49	27 Ⅱ 54	24) (57	7 8 33	29 I I 3	23°R25	19810	16°R50	17 Y 23	24) 7	25 米 0	T 1
F 2	12 41 16	12°13'08	9 Ƴ 27	1 Y 54	21° 4	28°26	25°11	7°41	29° 4	23 ≏ 23	19°11	16 Y 50	17°20	24°13	25° 4	F 2
S 3	12 45 12	13°12'24	21°19	1°14	22°18	28°59	25°25	7°48	29° 6	23°22	19°12	16°D50	17°16	24°20	25° 7	S 3
S 4	12 49 9	14°11'38	3 8 17	0°39	23°33	29°31	25°39	7°55	29° 7	23°20	19°13	16°50	17°13	24°27	25°11	S 4
M 5	12 53 5	15°10'49	15°23	0°10	24°47	099 4	25°53	8° 2	29° 8	23°18	19°14	16°50	17°10	24°33	25°14	M 5
T 6	12 57 2	16° 9'59	27°39	29) (45	26° 1	0°36	26° 7	8°10	29°10	23°17	19°16	16°50	17° 7	24°40	25°18	T 6
W 7	13 0 58	17° 9'06	10耳 7	29°26	27°16	1° 9	26°21	8°17	29°12	23°15	19°17	16°R50	17° 4	24°47	25°22	W 7
T 8	13 4 55	18° 8'11	22°50	29°13	28°30	1°42	26°35	8°24	29°13	23°13	19°18	16°50	17° 1	24°53	25°25	T 8
F 9	13 8 51	19° 7'14	5952	29° 5	29°44	2°15	26°49	8°32	29°15	23°12	19°19	16°50	16°57	25° 0	25°28	F 9
S 10	13 12 48	20° 6'14	19°13	29°D 2	0 8 59	2°48	27° 3	8°39	29°17	23°10	19°20	16°D50	16°54	25° 7	25°32	S 10
S 11	13 16 45	21° 5'12	2 N 56	29° 5	2°13	3°21	27°17	8°47	29°18	23° 9	19°21	16°50	16°51	25°13	25°35	S 11
M12	13 20 41	22° 4'08	17° 2	29°13	3°27	3°54	27°31	8°54	29°20	23° 7	19°23	16°50	16°48	25°20	25°39	M12
T 13	13 24 38	23° 3'01	1 m 29	29°27	4°41	4°27	27°45	9° 2	29°22	23° 5	19°24	16°51	16°45	25°26	25°42	T 13
W14	13 28 34	24° 1'53	16°14	29°45	5°55	5° 0	27°59	9° 9	29°24	23° 4	19°25	16°51	16°42	25°33	25°46	W14
T 15	13 32 31	25° 0'41	1 ≏ 12	oΥ 8	7° 9	5°34	28°12	9°17	29°26	23° 2	19°26	16°52	16°38	25°40	25°49	T 15
F 16	13 36 27	25°59'28	16°15	0°35	8°24	6° 7	28°26	9°24	29°28	23° 0	19°28	16°R52	16°35	25°46	25°52	F 16
S 17	13 40 24	26°58'13	1 M .15	1° 7	9°38	6°40	28°40	9°32	29°30	22°59	19°29	16°52	16°32	25°53	25°55	S 17
S 18	13 44 20	27°56'56	16° 3	1°43	10°52	7°14	28°53	9°39	29°32	22°57	19°30	16°51	16°29	26° 0	25°59	S 18
M19	13 48 17	28°55'37	0 ∡ 32	2°22	12° 6	7°47	29° 7	9°47	29°34	22°55	19°31	16°50	16°26	26° 6	26° 2	M19
T 20	13 52 14	29°54'16	14°37	3° 6	13°20	8°21	29°20	9°54	29°36	22°54	19°33	16°48	16°22	26°13	26° 5	T 20
W21	13 56 10	0 8 52'54	28°15	3°53	14°34	8°55	29°34	10° 2	29°38	22°52	19°34	16°47	16°19	26°20	26° 8	W21
T 22	14 0 7	1°51'30	11 る 27	4°43	15°48	9°28	29°47	10°10	29°41	22°50	19°35	16°45	16°16	26°26	26°12	T 22
F 23	14 4 3	2°50'04	24°15	5°37	17° 1	10° 2	0 Υ 1	10°17	29°43	22°49	19°37	16°44	16°13	26°33	26°15	F 23
S 24	14 8 0	3°48'37	6≈41	6°34	18°15	10°36	0°14	10°25	29°45	22°47	19°38	16°D44	16°10	26°40	26°18	S 24
S 25	14 11 56	4°47'07	18°51	7°33	19°29	11°10	0°27	10°33	29°48	22°46	19°39	16°45	16° 7	26°46	26°21	S 25
M26	14 15 53	5°45'37	0) €49	8°36	20°43	11°44	0°40	10°40	29°50	22°44	19°41	16°46	16° 3	26°53	26°24	M26
T 27	14 19 49	6°44'04	12°39	9°41	21°57	12°18	0°53	10°48	29°52	22°42	19°42	16°47	16° 0	27° 0	26°27	T 27
W28	14 23 46	7°42'30	24°26	10°48	23°11	12°52	1° 6	10°56	29°55	22°41	19°43	16°49	15°57	27° 6	26°30	W28
T 29	14 27 43	8°40'54	6 Υ 14	11°59	24°24	13°26	1°19	11° 3	29°57	22°39	19°45	16°50	15°54	27°13	26°33	T 29
F 30	14 31 39	9 8 39'17	18 Y 6	13 Y 11	25 8 38	1495 0	1 Υ 32	11811	29∏59	22 ≏ 38	19 8 46	16°R50	15 Y 51	27 米 20	26 米 36	F 30

Day	0	D	ğ	·	♂	4	ħ)Å(卉	Р	n	υ ţ	ķ
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1 F 2 S 3	4n26 4 50 5 13	2 s 3 3 1 s 4 5 3 n 7 0 4 1 8 4 2 0 n 2 5	3n 2 2n1 2 31 1 50 2 1 1 40	6 7 16 1 1 <mark>25</mark>	17 1 52	2 51 1 2	12 0 2 11	23n39 0n14 23 39 0 14 23 39 0 14	7 s 3 1 n 4 2 7 3 0 1 4 2 7 2 9 1 4 2	3n 3 14s59 3 4 14 59 3 4 14 59	6 37 6	6n49 4s13 6 48 4 9 6 47 4 6	1 38 3 55
S 4 M 5 T 6 W 7 T 8	6 44 7 7	28 4 4 50	0 42 0 52 0 20 0 36 0 0 0 2	8 8 44 0 56 25 2 9 13 0 54 25 6 9 41 0 52 25 1 10 9 0 50 25	17 1 51 16 1 51 16 1 50 15 1 50	2 35 1 2 2 29 1 2 2 24 1 2 2 18 1 2	12 7 2 10 12 10 2 10 12 12 2 10 12 15 2 10	23 39 0 14 23 39 0 14 23 39 0 14	7 28 1 42 7 28 1 43 7 27 1 43 7 26 1 43 7 26 1 43	3 5 14 59 3 5 14 58 3 6 14 58 3 6 14 58 3 7 14 58	6 37 6 6 37 6 6 37 6 37 6	6 46 4 2 6 44 3 59 6 43 3 56 6 42 3 52 6 41 3 49	1 42 3 55 1 44 3 55 1 45 3 55 1 47 3 55
F 9 S 10	7 29 7 51	27 17 5 17	0 32 0s10		13 1 49	2 7 1 2	12 20 2 10	23 39 0 14	7 25 1 43 7 25 1 43	3 7 14 58 3 7 14 58	6 37 6	5 40 3 45 5 38 3 42	1 49 3 55
S 11 M12 T 13 W14 T 15 F 16 S 17		20 5 4 35 14 28 3 46 7 55 2 42 0 50 1 26 6s20 0 3	0 53 0 38 1 0 0 5	1 12 27 0 40 25 3 12 54 0 37 25 5 13 20 0 35 25 6 13 46 0 33 25		1 56 1 2 1 51 1 3 1 46 1 3 1 40 1 3 1 35 1 3	12 25 2 10 12 27 2 10 12 29 2 10 12 32 2 9 12 34 2 9	23 39 0 14 23 39 0 14	7 24 1 43 7 23 1 43 7 23 1 43 7 22 1 43 7 22 1 43 7 21 1 43 7 20 1 43	3 8 14 57 3 8 14 57 3 9 14 57 3 9 14 57 3 10 14 57 3 10 14 57 3 11 14 56	6 37 6 6 37 6 6 37 6 6 37 6 37 6	6 37 3 39 6 36 3 35 6 35 3 32 6 33 3 28 6 32 3 25 6 31 3 22 6 30 3 18	1 52 3 55 1 54 3 55 1 55 3 55 1 56 3 55 1 58 3 55
S 18 M19 T 20 W21 T 22 F 23 S 24	11 5 11 26 11 46 12 7 12 27	23 49 3 39 26 59 4 28	0 29 2 12	6 15 3 0 26 24 4 15 27 0 24 24 2 15 51 0 21 24 9 16 15 0 19 24 5 16 39 0 17 24	57 1 45 55 1 45 52 1 45 49 1 44 46 1 44	1 19 1 3 1 14 1 3 1 9 1 3 1 3 1 4 0 58 1 4	12 42 2 9 12 44 2 9 12 47 2 9 12 49 2 9 12 51 2 9	23 39 0 14 23 39 0 14 23 39 0 14 23 39 0 14	7 20 1 43 7 19 1 43 7 19 1 43 7 18 1 43 7 17 1 43 7 17 1 43 7 16 1 43	3 11 14 56 3 12 14 56 3 12 14 56 3 13 14 56 3 13 14 56 3 13 14 56 3 14 14 56	6 37 6 6 36 6 35 6 35 6 34 6	6 29 3 15 6 27 3 11 6 26 3 8 6 25 3 5 6 24 3 1 6 22 2 58 6 21 2 54	2 2 3 56 2 3 3 56 2 4 3 56 2 6 3 56 2 7 3 56
S 25 M26 T 27 W28 T 29 F 30	13 7 13 26 13 45 14 4 14 23 14n42	19 25 4 28 14 44 3 48 9 33 2 58 4 3 2 1 1n35 0 58 7n12 0n 7	0 36 2 36 0 57 2 4 1 19 2 44 1 42 2 48 2 7 2 56 2n34 2s52	1 17 46 0 9 24 4 18 8 0 7 24 8 18 29 0 4 24 0 18 50 0 2 24	40 1 43 37 1 42 33 1 42 29 1 42 26 1 41 122 1n41	0 43 1 4 0 38 1 4 0 33 1 4 0 28 1 4	12 59 2 9 13 1 2 9 13 4 2 9 13 6 2 9	23 39 0 14 23 39 0 14 23 39 0 14	7 16 1 43 7 15 1 43 7 14 1 43 7 14 1 43 7 13 1 43 7 s13 1 n43	3 14 14 55 3 15 14 55 3 15 14 55 3 16 14 55 3 16 14 55 3n16 14s55	6 35 6 6 36 6 6 36 6 6 37 6	5 20 2 51 5 19 2 48 5 18 2 44 5 16 2 41 5 15 2 37 5n14 2s34	2 10 3 56 2 11 3 56 2 12 3 56 2 13 3 56 2 15 3 56 2n16 3n56

Julian Day Number = 2494368.5, Delta T = 101.78 sec Ecliptic obliquity = $23^{\circ}25'36$, Nutation = $-0^{\circ}00'05$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'43$, Lahiri = $25^{\circ}29'43$

MAY 2117 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ţ(并	Р	S.	v	Ç	ķ	Day
S 1	14 35 36	10837'38	0 8 6	14 Y 26	26852	14935	1 Y 45	11 8 19	0ණ 3	22°R36	19847	16°R50	15 Y 47	27) 26	26 ∺ 39	S 1
S 2	14 39 32	11°35'57	12°15	15°44	28° 6	15° 9	1°58	11°27	0° 5	22 235	19°49	16 Y 48	15°44	27°33	26°42	S 2
M 3	14 43 29	12°34'15	24°35	17° 3	29°19	15°43	2°11	11°34	0°8	22°33	19°50	16°45	15°41	27°40	26°44	M 3
T 4	14 47 25	13°32'30	7 I 7	18°25	0 Д 33	16°18	2°23	11°42	0°11	22°32	19°51	16°41	15°38	27°46	26°47	T 4
W 5	14 51 22	14°30'44	19°53	19°49	1°47	16°52	2°36	11°50	0°13	22°30	19°53	16°36	15°35	27°53	26°50	W 5
T 6	14 55 18	15°28'56	2952	21°15	3° 0	17°26	2°48	11°57	0°16	22°29	19°54	16°32	15°32	28° 0	26°53	T 6
F 7	14 59 15	16°27'06	16° 5	22°43	4°14	18° 1	3° 1	12° 5	0°19	22°27	19°55	16°28	15°28	28° 6	26°55	F 7
S 8	15 3 12	17°25'14	29°32	24°13	5°27	18°36	3°13	12°13	0°22	22°26	19°57	16°26	15°25	28°13	26°58	S 8
S 9	15 7 8	18°23'20	13 Ω 15	25°45	6°41	19°10	3°26	12°20	0°24	22°24	19°58	16°D24	15°22	28°19	27° 1	S 9
M10	15 11 5	19°21'24	27°12	27°19	7°54	19°45	3°38	12°28	0°27	22°23	19°59	16°24	15°19	28°26	27° 3	M10
T 11	15 15 1	20°19'27	11 m 24	28°55	9° 8	20°20	3°50	12°36	0°30	22°21	20° 1	16°26	15°16	28°33	27° 6	T 11
W12	15 18 58	21°17'27	25°48	0 8 33	10°21	20°54	4° 2	12°43	0°33	22°20	20° 2	16°27	15°13	28°39	27° 8	W12
T 13	15 22 54	22°15'25	10 <u>₽</u> 23	2°13	11°35	21°29	4°14	12°51	0°36	22°19	20° 3	16°R28	15° 9	28°46	27°11	T 13
F 14	15 26 51	23°13'21	25° 3	3°55	12°48	22° 4	4°26	12°59	0°39	22°17	20° 5	16°28	15° 6	28°53	27°13	F 14
S 15	15 30 47	24°11'16	9 M .43	5°39	14° 1	22°39	4°38	13° 6	0°42	22°16	20° 6	16°26	15° 3	28°59	27°15	S 15
S 16	15 34 44	25° 9'10	24°17	7°25	15°14	23°14	4°49	13°14	0°45	22°14	20° 8	16°22	15° 0	29° 6	27°18	S 16
M17	15 38 41	26° 7'02	8 ∡ 37	9°13	16°28	23°49	5° 1	13°21	0°48	22°13	20° 9	16°17	14°57	29°13	27°20	M17
T 18	15 42 37	27° 4'52	22°38	11° 3	17°41	24°24	5°13	13°29	0°51	22°12	20°10	16°11	14°53	29°19	27°22	T 18
W19	15 46 34	28° 2'41	6 궁 17	12°55	18°54	24°59	5°24	13°36	0°55	22°11	20°12	16° 4	14°50	29°26	27°24	W19
T 20	15 50 30	29° 0'29	19°31	14°49	20° 7	25°34	5°35	13°44	0°58	22° 9	20°13	15°58	14°47	29°33	27°27	T 20
F 21	15 54 27	29°58'16	2 ≈ 22	16°45	21°21	26° 9	5°47	13°52	1° 1 1° 4	22° 8 22° 7	20°14	15°53	14°44	29°39	27°29	F 21
S 22	15 58 23	0 Ⅱ 56′01	14°51	18°43	22°34	26°44	5°58	13°59			20°16	15°50	14°41	29°46	27°31	S 22
S 23	16 2 20	1°53'46	27° 3	20°43	23°47	27°19	6° 9	14° 6	1° 7	22° 6	20°17	15°D48	14°38	29°53	27°33	S 23
M24	16 6 16	2°51'29	9) 1	22°45	25° 0	27°54	6°20	14°14	1°11	22° 5	20°18	15°49	14°34	29°59	27°35	M24
T 25	16 10 13	3°49'11	20°52	24°48	26°13	28°30	6°31	14°21	1°14	22° 3	20°20	15°50	14°31	0 Υ 6	27°37	T 25
W26	16 14 10	4°46'52	2 Υ 40	26°53	27°26	29° 5	6°42	14°29	1°17	22° 2	20°21	15°51	14°28	0°13	27°39	W26
T 27	16 18 6	5°44'32	14°30	29° 0	28°39	29°40	6°52	14°36	1°20	22° 1	20°22	15°R52	14°25	0°19	27°40	T 27
F 28	16 22 3	6°42'11 7°39'49	26°26 8 8 34	1 Ⅱ 8 3°17	29°52 1 9 5	0 Ω 16 0°51	7° 3 7°13	14°43 14°51	1°24 1°27	22° 0 21°59	20°24 20°25	15°51 15°48	14°22 14°19	0°26 0°32	27°42 27°44	F 28 S 29
S 29	16 25 59		_		_								-			
S 30	16 29 56	8°37'26	20°55	5°28	2°18	1°26	7°24	14°58	1°30	21°58	20°26	15°44	14°15	0°39	27°46	S 30
M31	16 33 52	9 Ⅲ 35'02	3 II 31	7∏39	3931	2Ω 2	7 Ƴ 34	158 5	1934	21 ≏ 57	20 8 27	15 Y 37	14 Y 12	0 Υ 46	27) (47	M31

Day	0	J)	ζ	5	Ŷ)	ď	7	2	+	ŧ	ì);	l (4	(Р		រា	v	Ç	Ł	5
	decl	decl l	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 0	12n38	1n12	3n 2	2 s 5 3	19n30	0n 3	24n18	1n40	0s18	1 s 5	13n11	2s 9	23n39	0n14	7s12	1n42	3n17	14 s55	6n37	6n13	2 s 3 1	2n17	3n56
S 2	15 18	17 39	2 15	3 31	2 54	19 49	0 6	24 13	1 40	0 13	1 5	13 13	2 9	23 39	0 14	7 12	1 42	3 17	14 55	6 36	6 11	2 27	2 18	3 57
M 3	15 36		3 13	4 1	2 54		0 8		1 39	0 8	1 5		2 8			7 11	1 42		14 55	6 35	6 10	2 24	2 19	3 57
T 4		25 28	4 2	4 32	2 53		0 11		1 39	0 3	1 5	-	2 8			7 10	1 42	-	14 55	6 33	6 9	2 20	2 21	3 57
W 5	-	27 41	4 40		2 52		0 14		1 39	0n 2	1 5		2 8			7 10	1 42	-	14 55	6 31	6 8	2 17	2 22	3 57
T 6	16 28		5 4	5 39	2 51			23 55	1 38	0 7	1 5		2 8		0 14	7 9	1 42	-	14 55	6 30	6 7	2 13	2 23	3 57
F 7 S 8	16 45 17 1	27 38 25 12	5 13 5 5	6 13 6 49		21 17 21 33		23 50 23 45	1 38 1 37	0 12 0 17	1 6			23 39 23 39		7 9 7 8	1 42 1 42	3 19 3 19	14 55	6 28 6 27	6 5 6 4	2 10 2 7	2 24 2 25	3 57 3 57
																/ 0					0 4			
S 9		21 18	4 39	7 25		21 48		23 39	1 37	0 21	1 6		2 8			7 8	1 42	3 20	-	6 27	6 3	2 3	2 26	3 57
M10	17 33		3 57	8 3	2 38	-	0 26		1 37	0 26	1 6		2 8		0 14	7 7	1 42		14 54	6 27	6 2	2 0	2 28	3 57
T 11 W12	17 49		3 0	8 41	2 34 2 29				1 36	0 31	1 6		2 8			7 7	1 42	-	14 54	6 27	6 0	1 56	2 29	3 57
T 13	18 4 18 19	-	1 50 0 33	9 20 9 59		22 30 22 43		23 23 23 17	1 36 1 35	0 35 0 40	1 6		2 8 2 8			7 6 7 6	1 42 1 42	-	14 54 14 54	6 28 6 28	5 59 5 58	1 53 1 50	2 30 2 31	3 58 3 58
F 14		10 25		10 40		22 43		23 17	1 35	0 40	1 7			23 39		7 6 7 5	1 42		14 54	6 28	5 57	1 46	2 31	3 58
S 15		16 40		11 20	2 11		0 39		1 34	0 49	1 7			23 39	0 14	7 5	1 42	3 22		6 27	5 56	1 43	2 33	3 58
S 16 M17		21 55 25 46	3 11 4 6	12 1	1 57	23 18 23 28		22 58 22 52	1 34	0 53 0 58	1 7		2 8 2 8	23 39 23 39	0 14 0 14	7 4 7 4	1 42 1 42	3 22 3 23	14 54 14 54	6 26 6 24	5 54 5 53	1 39 1 36	2 34 2 35	3 58 3 58
T 18				13 25	1 49			22 45	1 33	1 2	1 7	-	2 8		0 14	7 4	1 42		14 54	6 22	5 52	1 30	2 36	3 58
W19		28 21		14 7	1 41		0 49		1 33	1 7				23 39		7 3	1 42		14 54	6 19	5 51	1 29	2 37	3 58
T 20	19 56			14 49	1 32		0 51		1 32	1 11	1 8		2 9			7 3	1 42	3 24		6 17	5 49	1 26	2 38	3 59
F 21	20 8	24 26	4 57	15 31	1 23		0 53	22 25	1 32	1 15	1 8		2 9				1 42	3 24		6 15	5 48	1 22	2 39	3 59
S 22	20 20	20 41	4 31	16 12	1 13	24 9	0 56	22 18	1 31	1 20	1 8	13 59	2 9	23 39	0 14	7 2	1 42	3 24	14 54	6 14	5 47	1 19	2 40	3 59
S 23	20 32	16 8	3 53	16 54	1 4	24 15	0.58	22 10	1 31	1 24	1 8	14 1	2 9	23 39	0 14	7 1	1 42	3 25	14 54	6 13	5 46	1 15	2 41	3 59
M24	20 43			17 35		24 20	1 0		1 31	1 28	1 8		2 9		0 14	7 1	1 42		14 55	6 13	5 44	1 12	2 42	3 59
T 25	20 54	5 38		18 15	0 43		1 2	21 55	1 30	1 32	1 9		2 9		0 14	7 1	1 42		14 55	6 13	5 43	1 8	2 43	3 59
W26	21 5	0 2	1 11	18 55	0 33	24 29	1 4	21 48	1 30	1 36	1 9	14 7	2 9	23 39	0 14	7 0	1 42	3 25	14 55	6 14	5 42	1 5	2 43	3 59
T 27	21 15	5n36	0 7	19 34	0 22	24 32	1 7	21 40	1 29	1 40	1 9	14 10	2 9	23 39	0 14	7 0	1 42	3 26	14 55	6 14	5 41	1 2	2 44	3 59
	21 25			20 11		24 34	1 9		1 29	1 44	1 9						1 42		14 55	6 14	5 40	0 58	2 45	4 0
S 29	21 35	16 14	1 59	20 47	0 1	24 36	1 11	21 24	1 28	1 48	1 9	14 14	2 9	23 39	0 14	6 59	1 42	3 26	14 55	6 13	5 38	0 55	2 46	4 0
S 30	21 44	20 49	2 57	21 21	0n 9	24 37	1 13	21 15	1 28	1 52	1 10	14 16	2 9	23 39	0 14	6 59	1 42	3 26	14 55	6 11	5 37	0 51	2 47	4 0
M31	21n53	24n34	3n47	21n54	0n20	24n38	1n15	21n 7	1n28	1n56	1 s10	14n18	2s 9	23n39	0n14	6 s 5 8	1n42	3n27	14s55	6n 8	5n36	0 s48	2n48	4n 0

Julian Day Number = 2494398.5, Delta T = 101.82 sec Ecliptic obliquity = $23^{\circ}25'35$, Nutation = - $0^{\circ}00'06$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'47$, Lahiri = $25^{\circ}29'47$

JUNE 2117 00:00 UT

Day	Sid.t	0	D	ğ	Ф	ð	4	ħ)Å(卉	Р	n	Ω	Ç	ķ	Day
T 1	16 37 49	10 Ⅲ 32'37	16Ⅲ22	9Д50	49643	2 Ω 37	7 Υ 44	15 8 13	1937	21°R56	20829	15°R28	14 Υ 9	0 Υ 52	27) 49	T 1
W 2	16 41 45	11°30'11	29°30	12° 2	5°56	3°13	7°54	15°20	1°41	21 ≏ 55	20°30	15 Y 18	14° 6	0°59	27°50	W 2
T 3	16 45 42	12°27'44	12951	14°14	7° 9	3°49	8° 4	15°27	1°44	21°54	20°31	15° 9	14° 3	1° 6	27°52	T 3
F 4	16 49 39	13°25'15	26°25	16°26	8°22	4°24	8°14	15°34	1°48	21°53	20°33	15° 1	13°59	1°12	27°53	F 4
S 5	16 53 35	14°22'45	10 N 9	18°38	9°35	5° 0	8°24	15°41	1°51	21°53	20°34	14°54	13°56	1°19	27°55	S 5
S 6	16 57 32	15°20'14	24° 1	20°48	10°47	5°35	8°33	15°48	1°54	21°52	20°35	14°50	13°53	1°26	27°56	S 6
M 7	17 1 28	16°17'42	8Mp 1	22°58	12° 0	6°11	8°43	15°55	1°58	21°51	20°36	14°48	13°50	1°32	27°57	M 7
T 8	17 5 25	17°15'08	22° 7	25° 6	13°13	6°47	8°52	16° 2	2° 1	21°50	20°38	14°D48	13°47	1°39	27°59	T 8
W 9	17 9 21	18°12'33	6 ≏ 18	27°13	14°25	7°23	9° 1	16° 9	2° 5	21°49	20°39	14°48	13°44	1°46	28° 0	W 9
T 10	17 13 18	19° 9'57	20°32	29°18	15°38	7°58	9°10	16°16	2° 8	21°49	20°40	14°R49	13°40	1°52	28° 1	T 10
F 11	17 17 14	20° 7'20	4 M .48	19921	16°50	8°34	9°19	16°23	2°12	21°48	20°41	14°47	13°37	1°59	28° 2	F 11
S 12	17 21 11	21° 4'42	19° 3	3°23	18° 3	9°10	9°28	16°30	2°16	21°47	20°42	14°43	13°34	2° 6	28° 3	S 12
S 13	17 25 8	22° 2'03	3 ∡ 12	5°22	19°15	9°46	9°37	16°37	2°19	21°47	20°44	14°37	13°31	2°12	28° 4	S 13
M14	17 29 4	22°59'23	17°12	7°19	20°27	10°22	9°45	16°43	2°23	21°46	20°45	14°28	13°28	2°19	28° 5	M14
T 15	17 33 1	23°56'42	0 궁 57	9°14	21°40	10°58	9°54	16°50	2°26	21°45	20°46	14°17	13°25	2°26	28° 6	T 15
W16	17 36 57	24°54'01	14°25	11° 7	22°52	11°34	10° 2	16°57	2°30	21°45	20°47	14° 6	13°21	2°32	28° 7	W16
T 17	17 40 54	25°51'19	27°33	12°57	24° 4	12°10	10°10	17° 3	2°33	21°44	20°48	13°56	13°18	2°39	28° 8	T 17
F 18	17 44 50	26°48'37	10≈20	14°45	25°17	12°46	10°18	17°10	2°37	21°44	20°49	13°46	13°15	2°45	28° 8	F 18
S 19	17 48 47	27°45'54	22°48	16°30	26°29	13°22	10°26	17°16	2°40	21°43	20°51	13°39	13°12	2°52	28° 9	S 19
S 20	17 52 44	28°43'11	4 ∺ 59	18°13	27°41	13°58	10°34	17°23	2°44	21°43	20°52	13°35	13° 9	2°59	28°10	S 20
M21	17 56 40	29°40'27	16°57	19°54	28°53	14°34	10°41	17°29	2°48	21°43	20°53	13°32	13° 5	3° 5	28°10	M21
T 22	18 0 37	0937'44	28°48	21°32	0Ω 5	15°10	10°49	17°36	2°51	21°42	20°54	13°D32	13° 2	3°12	28°11	T 22
W23	18 4 33	1°35'00	10 Y 37	23° 8	1°17	15°47	10°56	17°42	2°55	21°42	20°55	13°R32	12°59	3°19	28°11	W23
T 24	18 8 30	2°32'15	22°28	24°41	2°29	16°23	11° 3	17°48	2°58	21°42	20°56	13°32	12°56	3°25	28°12	T 24
F 25	18 12 26	3°29'31	4 8 28	26°12	3°41	16°59	11°10	17°54	3° 2	21°41	20°57	13°30	12°53	3°32	28°12	F 25
S 26	18 16 23	4°26'46	16°41	27°40	4°53	17°35	11°17	18° 0	3° 6	21°41	20°58	13°26	12°50	3°39	28°12	S 26
S 27	18 20 19	5°24'02	29°11	29° 6	6° 5	18°12	11°24	18° 6	3° 9	21°41	20°59	13°20	12°46	3°45	28°13	S 27
M28	18 24 16	6°21'17	12 II 0	$0\Omega_{29}$	7°17	18°48	11°31	18°12	3°13	21°41	21° 0	13°11	12°43	3°52	28°13	M28
T 29	18 28 13	7°18'32	25°10	1°50	8°29	19°24	11°37	18°18	3°16	21°40	21° 1	13° 1	12°40	3°59	28°13	T 29
W30	18 32 9	89915'47	8938	3 N 8	9 Ω 41	20Ω 1	11 Y 43	18 8 24	3920	21 ≏ 40	218 2	12 Y 49	12 ° 37	4 Υ 5	28 米 13	W30

Day	0	D		ğ	5	ς	2	ð	1	2		ħ	l)į	γ(4	7	В)	រា	Ω	Ç	Š	
	decl	decl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n 1	27n 9	4n27	22n25	0n30	24n37	1n17	20n59	1n27	2n 0	1 s10	14n20	2s 9	23n39	0n14	6 s 5 8	1n42	3n27	14 s 5 5	6n 5	5n35	0 s44	2n48	4n 0
W 2	22 9	28 19	4 54	22 53	0 40	24 36	1 19	20 50	1 27	2 3	1 10	14 22	2 9	23 39	0 14	6 58	1 42	3 27	14 55	6 1	5 33	0 41	2 49	4 0
T 3	22 17	27 52	5 5	23 19	0 50	24 34	1 20	20 41	1 26	2 7	1 10	14 24	2 9	23 39	0 14	6 57	1 42	3 27	14 55	5 58	5 32	0 38	2 50	4 1
F 4	22 24	25 45	4 59	23 43	0 59	24 32	1 22	20 32	1 26	2 11	1 11	14 26	2 9	23 39	0 14	6 57	1 42	3 28	14 55	5 55	5 31	0 34	2 50	4 1
S 5	22 31	22 7	4 36	24 4	1 8	24 29	1 24	20 23	1 25	2 14	1 11	14 28	2 9	23 39	0 14	6 57	1 41	3 28	14 55	5 52	5 30	0 31	2 51	4 1
S 6	22 37	17 14	3 57	24 22	1 16	24 25	1 26	20 14	1 25	2 18	1 11	14 30	2 9	23 39	0 14	6 57	1 41	3 28	14 55	5 51	5 28	0 27	2 52	4 1
M 7	22 43	11 23	3 3	24 38	1 24	24 20	1 27	20 5	1 24	2 22	1 11	14 32	2 9	23 39	0 14	6 56	1 41	3 28	14 56	5 50	5 27	0 24	2 53	4 1
T 8	22 49	4 56	1 58	24 51	1 31	24 15	1 29	19 55	1 24	2 25	1 12	14 34	2 10	23 38	0 14	6 56	1 41	3 28	14 56	5 50	5 26	0 20	2 53	4 1
W 9	22 54	1 s48	0 45	25 1	1 37	24 9			1 24	2 28	1 12	14 36	2 10	23 38	0 14	6 56	1 41	3 29	14 56	5 50	5 25	0 17	2 54	4 1
T 10	22 59		0 s 3 1		1 43			19 36	1 23	2 32		14 37		23 38		6 56	1 41	3 29	14 56	5 50	5 24	0 13	2 54	4 2
F 11	23 4	14 45	1 44	25 13	1 48	23 55	1 33	19 26	1 23	2 35	1 12	14 39	2 10	23 38	0 14	6 55	1 41	3 29	14 56	5 49	5 22	0 10	2 55	4 2
S 12	23 8	20 13	2 52	25 15	1 52	23 46	1 35	19 16	1 22	2 38	1 12	14 41	2 10	23 38	0 14	6 55	1 41	3 29	14 56	5 48	5 21	0 7	2 56	4 2
S 13	23 11	24 30	3 48	25 14	1 55	23 38	1 36	19 6	1 22	2 42	1 13	14 43	2 10	23 38	0 14	6 55	1 41	3 29	14 56	5 45	5 20	0 3	2 56	4 2
M14	23 14	27 17	4 29	25 11	1 58	23 28	1 37	18 56	1 21	2 45	1 13	14 45	2 10	23 38	0 14	6 55	1 41	3 29	14 56	5 42	5 19	0n 0	2 57	4 2
T 15	23 17	28 20	4 54	25 6	2 0	23 18	1 38	18 46	1 21	2 48	1 13	14 47	2 10	23 38	0 14	6 55	1 41	3 30	14 57	5 38	5 17	0 4	2 57	4 2
W16	23 20	27 39	5 2	24 58	2 1	23 7	1 39	18 36	1 21	2 51	1 13	14 48	2 10	23 38	0 14	6 55	1 41	3 30	14 57	5 34	5 16	0 7	2 58	4 3
T 17	23 22	25 26	4 54	24 48	2 1	22 56	1 40	18 25	1 20	2 54	1 14	14 50	2 10	23 38	0 14	6 54	1 41	3 30	14 57	5 29	5 15	0 11	2 58	4 3
F 18	23 23	21 59	4 31	24 37	2 1	22 44	1 41	18 15	1 20	2 57	1 14	14 52	2 10	23 38	0 14	6 54	1 41	3 30	14 57	5 26	5 14	0 14	2 58	4 3
S 19	23 24	17 37	3 55	24 23	2 0	22 31	1 42	18 4	1 19	3 0	1 14	14 53	2 11	23 38	0 14	6 54	1 41	3 30	14 57	5 23	5 12	0 17	2 59	4 3
S 20	23 25	12 37	3 10	24 8	1 58	22 18	1 43	17 53	1 19	3 2	1 14	14 55	2 11	23 38	0 14	6 54	1 41	3 30	14 57	5 21	5 11	0 21	2 59	4 3
M21	23 26	7 14 2	2 16	23 51	1 55	22 4	1 44	17 42	1 18	3 5	1 15	14 57	2 11			6 54	1 41	3 30	14 57	5 20	5 10	0 24	3 0	4 3
T 22	23 25	1 40	1 17	23 33	1 52	21 49	1 44	17 31	1 18	3 8		14 59		23 38		6 54	1 41	3 31	14 58	5 20	5 9	0 28	3 0	4 4
W23	23 25	3n58	0 16	23 14	1 48	21 34	1 45	17 20	1 17	3 10	1 15	15 0	2 11	23 38		6 54	1 41	3 31	14 58	5 20	5 8	0 31	3 0	4 4
T 24	23 24	9 28 (0n47	22 53	1 44	21 18	1 45	17 9	1 17	3 13	1 15		2 11		0 14	6 54	1 41	3 31	14 58	5 20	5 6	0 35	3 1	4 4
F 25	23 23	-		22 31	1 39			16 57	1 17	3 16	1 16			23 37	0 14	6 54	1 41		14 58	5 20	5 5	0 38	3 1	4 4
S 26	23 21	19 28 2	2 46	22 8	1 33	20 45	1 46	16 46	1 16	3 18	1 16	15 5	2 11	23 37	0 14	6 54	1 41	3 31	14 58	5 18	5 4	0 42	3 1	4 4
S 27	23 19	23 29	3 37	21 44	1 27	20 28	1 47	16 34	1 16	3 20	1 16	15 6	2 12	23 37	0 14	6 54	1 40	3 31	14 59	5 16	5 3	0 45	3 1	4 4
M28	23 16	26 28	4 18	21 20	1 20	20 10	1 47	16 22	1 15	3 23	1 16	15 8	2 12	23 37	0 14	6 53	1 40	3 31	14 59	5 12	5 1	0 48	3 2	4 5
T 29	23 13	28 6	4 46	20 55	1 12	19 51	1 47	16 11	1 15	3 25	1 17	15 9	2 12	23 37	0 14	6 53	1 40	3 31	14 59	5 8	5 0	0 52	3 2	4 5
W30	23n10	28n 8	5n 0	20n29	1n 4	19n32	1n47	15n59	1n14	3n27	1 s17	15n11	2 s 1 2	23n37	0n14	6 s 5 3	1n40	3n31	14s59	5n 3	4n59	0n55	3n 2	4n 5

Julian Day Number = 2494429.5, Delta T = 101.87 sec Ecliptic obliquity = $23^{\circ}25'35$, Nutation = $-0^{\circ}00'05$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'51$, Lahiri = $25^{\circ}29'51$

JULY 2117 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂ ¹	4	ħ)∤(卉	Р	ß	Ω	Ç	& K	Day
T 1	18 36 6	99513'02	229524	4 Ω 23	10 Ω 52	20⋒37	11 Y 49	18 8 30	3924	21°R40	218 3	12°R37	12 Y 34	4 Υ12	28°R13	T 1
F 2	18 40 2	10°10'16	$6\Omega 23$	5°36	12° 4	21°14	11°55	18°36	3°27	21 ≏ 40	21° 4	12 Y 26	12°31	4°19	28 米 13	F 2
S 3	18 43 59	11° 7'31	20°31	6°46	13°16	21°50	12° 1	18°42	3°31	21°D40	21° 5	12°17	12°27	4°25	28°13	S 3
S 4	18 47 55	12° 4'44	4 m 43	7°53	14°27	22°27	12° 7	18°47	3°34	21°40	21° 6	12°12	12°24	4°32	28°13	S 4
M 5	18 51 52	13° 1'58	18°56	8°57	15°39	23° 3	12°12	18°53	3°38	21°40	21° 7	12° 9	12°21	4°38	28°13	M 5
T 6	18 55 48	13°59'11	3 <u>₽</u> 7	9°58	16°50	23°40	12°17	18°58	3°41	21°40	21° 8	12° 8	12°18	4°45	28°12	T 6
W 7	18 59 45	14°56'23	17°15	10°55	18° 2	24°17	12°22	19° 4	3°45	21°40	21° 9	12° 8	12°15	4°52	28°12	W 7
T 8	19 3 42	15°53'36	1 M L19	11°50	19°13	24°53	12°27	19° 9	3°48	21°41	21° 9	12° 7	12°11	4°58	28°12	T 8
F 9	19 738	16°50'48	15°17	12°41	20°24	25°30	12°32	19°14	3°52	21°41	21°10	12° 5	12° 8	5° 5	28°11	F 9
S 10	19 11 35	17°48'00	29° 9	13°29	21°36	26° 7	12°37	19°20	3°56	21°41	21°11	12° 1	12° 5	5°12	28°11	S 10
S 11	19 15 31	18°45'11	12 × 754	14°13	22°47	26°43	12°41	19°25	3°59	21°41	21°12	11°53	12° 2	5°18	28°10	S 11
M12	19 19 28	19°42'23	26°29	14°54	23°58	27°20	12°45	19°30	4° 3	21°41	21°13	11°44	11°59	5°25	28°10	M12
T 13	19 23 24	20°39'35	9 궁 52	15°30	25° 9	27°57	12°49	19°35	4° 6	21°42	21°14	11°32	11°56	5°32	28° 9	T 13
W14	19 27 21	21°36'47	23° 0	16° 3	26°20	28°34	12°53	19°40	4°10	21°42	21°14	11°20	11°52	5°38	28° 9	W14
T 15	19 31 18	22°34'00	5≈53	16°31	27°31	29°11	12°57	19°45	4°13	21°42	21°15	11°8	11°49	5°45	28° 8	T 15
F 16	19 35 14	23°31'12	18°30	16°56	28°42	29°48	13° 0	19°50	4°16	21°43	21°16	10°58	11°46	5°52	28° 7	F 16
S 17	19 39 11	24°28'25	0 ∺ 51	17°15	29°53	0 m 24	13° 4	19°54	4°20	21°43	21°17	10°50	11°43	5°58	28° 6	S 17
S 18	19 43 7	25°25'38	12°58	17°31	1 Mp 4	1° 1	13° 7	19°59	4°23	21°44	21°17	10°44	11°40	6° 5	28° 5	S 18
M19	19 47 4	26°22'52	24°54	17°41	2°14	1°38	13°10	20° 3	4°27	21°44	21°18	10°41	11°37	6°12	28° 4	M19
T 20	19 51 0	27°20'06	6 Υ 44	17°47	3°25	2°15	13°13	20° 8	4°30	21°45	21°19	10°D40	11°33	6°18	28° 3	T 20
W21	19 54 57	28°17'21	18°32	17°R48	4°36	2°52	13°15	20°12	4°33	21°45	21°19	10°40	11°30	6°25	28° 2	W21
T 22	19 58 53	29°14'37	0 8 23	17°44	5°46	3°30	13°18	20°17	4°37	21°46	21°20	10°R40	11°27	6°31	28° 1	T 22
F 23	20 2 50	0 Ω 11'54	12°24	17°35	6°57	4° 7	13°20	20°21	4°40	21°47	21°20	10°40	11°24	6°38	28° 0	F 23
S 24	20 6 46	1° 9'11	24°39	17°22	8° 7	4°44	13°22	20°25	4°43	21°47	21°21	10°37	11°21	6°45	27°59	S 24
S 25	20 10 43	2° 6'29	7 Ⅱ 12	17° 3	9°17	5°21	13°24	20°29	4°47	21°48	21°22	10°33	11°17	6°51	27°58	S 25
M26	20 14 40	3° 3'49	20° 8	16°40	10°28	5°58	13°25	20°33	4°50	21°49	21°22	10°26	11°14	6°58	27°57	M26
T 27	20 18 36	4° 1'08	39528	16°13	11°38	6°35	13°27	20°37	4°53	21°49	21°23	10°17	11°11	7° 5	27°55	T 27
W28	20 22 33	4°58'29	17°12	15°41	12°48	7°13	13°28	20°41	4°57	21°50	21°23	10° 7	11°8	7°11	27°54	W28
T 29	20 26 29	5°55'51	1 \O 18	15° 6	13°58	7°50	13°29	20°44	5° 0	21°51	21°24	9°56	11° 5	7°18	27°52	T 29
F 30	20 30 26	6°53'13	15°40	14°28	15° 8	8°27	13°30	20°48	5° 3	21°52	21°24	9°47	11° 2	7°25	27°51	F 30
S 31	20 34 22	$7\Omega 50'36$	0 m 13	13 Ω 47	16 M)18	9 m 5	13 Y 30	20852	5 95 6	21 ≏ 53	21825	9 Ƴ 40	10 Y 58	7 Υ 31	27 米 50	S 31

Day	0	D	ğ	ρ	♂	4	ħ)Å(卉	Р	n	U	Ç	ķ
	decl	decl lat	decl la	at 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	23n 6 23 2		5 19 36	0 46 18 52 1 4	17 15n47 1n14 17 15 34 1 13 16 15 22 1 13	3 31 1 17	15 14 2 12	23n37 0n14 23 37 0 14 23 37 0 14	6 s 5 4 1 n 4 0 6 5 4 1 4 0 6 5 4 1 4 0	3n31 14s59 3 31 14 59 3 31 15 0	4 55	4 56	0n59 1 2 1 6	3n 2 4n 5 3 2 4 5 3 3 4 5
S 4 M 5 T 6 W 7 T 8	22 53 22 47 22 42 22 35 22 29	12 38 3 6 12 1 5 0s31 0 4 7 11 0s2 13 29 1 4	4 18 42 (69 18 15 (7) 17 48 (7) 17 21 (60 16 55 (7) 18 1	0 26 18 11 1 4 0 15 17 49 1 4 0 4 17 27 1 4 0 8 17 5 1 4	16 15 10 1 13 16 14 58 1 12 15 14 45 1 12 15 14 32 1 11 14 14 20 1 11	3 35 1 18 3 37 1 18 3 39 1 18 3 41 1 19 3 42 1 19	15 17 2 13 15 18 2 13 15 19 2 13 15 21 2 13 15 22 2 13	23 37 0 14	6 54 1 40 6 54 1 40	3 31 15 0 3 31 15 0 3 31 15 0 3 31 15 1 3 31 15 1 3 31 15 1	4 49 4 48 4 47 4 47 4 47	4 54 4 53 4 51 4 50 4 49	1 9 1 12 1 16 1 19 1 23 1 26	3 3 4 6 3 3 4 6
S 10 S 11 M12 T 13 W14 T 15	22 15 22 7 21 59 21 50 21 42 21 32	23 33 3 4 26 41 4 2 28 13 4 5 28 3 5 26 18 4 5	11 16 3 (4 15 37 (6 15 13 1 14 49 15 14 26 14 14 4 1	0 45 15 55 1	13 13 54 1 10 12 13 41 1 9 14 13 28 1 9 10 13 15 1 8 18 13 2 1 8 37 12 48 1 7	3 45 1 20 3 47 1 20 3 48 1 20 3 50 1 20 3 51 1 21 3 52 1 21	15 25 2 13 15 26 2 14 15 27 2 14 15 28 2 14 15 29 2 14 15 30 2 14	23 36 0 14 23 36 0 14 23 36 0 14 23 36 0 14 23 36 0 14	6 54 1 40	3 31 15 1	4 45 4 42 4 38 4 34 4 29 4 24	4 46 4 45 4 44 4 43 4 42 4 40	1 30 1 33 1 37 1 40 1 43 1 47 1 50	3 3 4 6 3 3 4 7 3 3 4 7 3 3 4 7 3 2 4 7 3 2 4 7 3 2 4 7
S 17 S 18	21 13 21 3 20 52 20 41 20 30	14 12 3 1 8 52 2 2 3 18 1 2 2n21 0 2 7 54 0n4 13 13 1 4	5 13 23 2 21 13 5 2 3 12 48 2 11 12 33 2 12 12 20 3 13 12 8	2 22 12 59 1 3 2 37 12 32 1 3 2 51 12 6 1 3 3 5 11 38 1 3 3 19 11 11 1 2 3 32 10 43 1 3	34 12 22 1 7 33 12 8 1 6 31 11 54 1 6	3 54 1 22 3 55 1 22 3 56 1 22 3 57 1 22	15 33 2 15 15 34 2 15 15 35 2 15 15 36 2 15 15 37 2 15 15 38 2 16	23 35 0 14 23 35 0 14	6 55 1 39 6 56 1 39 6 56 1 39 6 56 1 39 6 56 1 39 6 57 1 39	3 31 15 3 3 31 15 3 3 31 15 3 3 31 15 4 3 30 15 4 3 30 15 4 3 30 15 4	4 17 4 15 4 14 4 13 4 13 4 13	4 38 4 37 4 35 4 34 4 33 4 32	1 54 1 57 2 1 2 4 2 7 2 11 2 14	3 2 4 8 3 2 4 8 3 1 4 8 3 0 4 8
S 24 S 25 M26 T 27 W28 T 29 F 30 S 31	19 53 19 41 19 28 19 14 19 1 18 47 18 32	22 20 3 3 3 25 40 4 1 27 48 4 4 4 28 24 5 27 18 5 24 27 4 4 4 20 3 4	4 11 45 4 4 11 45 4 5 11 42 4 1 11 41 4 1 11 42 4 3 11 45 7 7 11 51	3 58 9 47 1 2	22 10 45 1 3 20 10 31 1 3 8 10 17 1 2 5 10 3 1 2 3 9 49 1 1 1 1 9 34 1 1 8 9 20 1 1	3 59 1 24 4 0 1 24 4 0 1 24 4 0 1 24 4 1 1 25 4 1 1 25 4 1 1 25	15 40 2 16 15 40 2 16 15 41 2 16 15 42 2 16 15 43 2 17 15 44 2 17 15 44 2 17	23 35 0 14 23 35 0 14 23 35 0 14 23 34 0 14	6 57 1 39 6 57 1 39	3 30 15 5 3 30 15 5 3 30 15 5 3 30 15 6 3 30 15 6 3 29 15 6 3 29 15 6 3 29 15 6 3 29 15 7	4 12 4 10 4 8 4 4 4 0 3 56 3 53	4 29 4 28 4 27 4 25 4 24 4 23 4 22	2 18 2 18 2 21 2 25 2 28 2 32 2 35 2 38 2 342	3 0 4 9 3 0 4 9 2 59 4 9 2 59 4 9 2 58 4 9 2 57 4 9 2 257 4 9

Julian Day Number = 2494459.5, Delta T = 101.91 sec Ecliptic obliquity = $23^{\circ}25'35$, Nutation = - $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'55$, Lahiri = $25^{\circ}29'56$

AUGUST 2117 00:00 UT

AUU	JJ1 ZII	.,													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ţ(#	В	S.	v	Ç	Ŗ	Day
S 1	20 38 19	8 Ω 47'59	14 m 49	13°R 3	17 m 28	9 m /42	13 Y 31	20 8 55	5 9 9	21 ≏ 54	21825	9°R35	10 Y 55	7 Υ 38	27°R48	S 1
M 2	20 42 16	9°45'23	29°23	12 Ω 19	18°38	10°19	13°31	20°58	5°12	21°54	21°25	9 Υ 33	10°52	7°45	27) (46	M 2
T 3	20 46 12	10°42'47	13 ≏ 50	11°34	19°47	10°57	13°R31	21° 2	5°15	21°55	21°26	9°D33	10°49	7°51	27°45	T 3
W 4	20 50 9	11°40'12	28° 6	10°49	20°57	11°34	13°31	21° 5	5°19	21°56	21°26	9°34	10°46	7°58	27°43	W 4
T 5	20 54 5	12°37'38	12 M .10	10° 6	22° 7	12°12	13°31	21° 8	5°22	21°57	21°26	9°R34	10°43	8° 4	27°41	T 5
F 6	20 58 2	13°35'04	26° 1	9°24	23°16	12°50	13°30	21°11	5°25	21°58	21°27	9°33	10°39	8°11	27°40	F 6
S 7	21 1 58	14°32'31	9 ∡ 740	8°45	24°25	13°27	13°29	21°14	5°28	22° 0	21°27	9°31	10°36	8°18	27°38	S 7
S 8	21 5 55	15°29'59	23° 5	8°10	25°35	14° 5	13°28	21°17	5°31	22° 1	21°27	9°26	10°33	8°24	27°36	S 8
M 9	21 9 51	16°27'27	6 ਰ 18	7°38	26°44	14°42	13°27	21°19	5°33	22° 2	21°28	9°19	10°30	8°31	27°34	M 9
T 10	21 13 48	17°24'57	19°18	7°12	27°53	15°20	13°26	21°22	5°36	22° 3	21°28	9°11	10°27	8°38	27°32	T 10
W11	21 17 45	18°22'27	2≈ 6	6°51	29° 2	15°58	13°24	21°24	5°39	22° 4	21°28	9° 2	10°23	8°44	27°30	W11
T 12	21 21 41	19°19'58	14°41	6°36	0 ჲ 11	16°36	13°23	21°27	5°42	22° 5	21°28	8°53	10°20	8°51	27°28	T 12
F 13	21 25 38	20°17'30	27° 3	6°27	1°19	17°13	13°21	21°29	5°45	22° 7	21°29	8°45	10°17	8°58	27°26	F 13
S 14	21 29 34	21°15'03	9 ∺ 13	6°D25	2°28	17°51	13°19	21°31	5°48	22° 8	21°29	8°40	10°14	9° 4	27°24	S 14
S 15	21 33 31	22°12'38	21°13	6°30	3°37	18°29	13°16	21°33	5°50	22° 9	21°29	8°36	10°11	9°11	27°22	S 15
M16	21 37 27	23°10'14	3 ℃ 5	6°42	4°45	19° 7	13°14	21°35	5°53	22°10	21°29	8°D34	10° 8	9°18	27°20	M16
T 17	21 41 24	24° 7'51	14°53	7° 1	5°53	19°45	13°11	21°37	5°56	22°12	21°29	8°34	10° 4	9°24	27°18	T 17
W18	21 45 20	25° 5'29	26°40	7°27	7° 2	20°23	13° 8	21°39	5°58	22°13	21°29	8°35	10° 1	9°31	27°15	W18
T 19	21 49 17	26° 3'09	8 8 32	8° 1	8°10	21° 1	13° 5	21°41	6° 1	22°15	21°29	8°37	9°58	9°38	27°13	T 19
F 20	21 53 14	27° 0'51	20°31	8°42	9°18	21°39	13° 2	21°42	6° 4	22°16	21°29	8°38	9°55	9°44	27°11	F 20
S 21	21 57 10	27°58'35	2П45	9°29	10°26	22°17	12°59	21°44	6° 6	22°17	21°R29	8°R38	9°52	9°51	27° 8	S 21
S 22	22 1 7	28°56'20	15°18	10°24	11°33	22°55	12°55	21°45	6° 9	22°19	21°29	8°37	9°49	9°57	27° 6	S 22
M23	22 5 3	29°54'06	28°13	11°25	12°41	23°33	12°51	21°46	6°11	22°20	21°29	8°34	9°45	10° 4	27° 4	M23
T 24	22 9 0	0 m 51'55	119935	12°33	13°48	24°11	12°47	21°48	6°14	22°22	21°29	8°29	9°42	10°11	27° 1	T 24
W25	22 12 56	1°49'45	25°23	13°47	14°56	24°49	12°43	21°49	6°16	22°24	21°29	8°24	9°39	10°17	26°59	W25
T 26	22 16 53	2°47'36	9 Ω 37	15° 7	16° 3	25°28	12°39	21°50	6°18	22°25	21°29	8°18	9°36	10°24	26°56	T 26
F 27	22 20 49	3°45'29	24°13	16°32	17°10	26° 6	12°34	21°51	6°21	22°27	21°29	8°14	9°33	10°31	26°54	F 27
S 28	22 24 46	4°43'24	9Mp 4	18° 2	18°17	26°44	12°29	21°51	6°23	22°28	21°29	8°10	9°29	10°37	26°51	S 28
S 29	22 28 43	5°41'20	24° 2	19°37	19°24	27°23	12°25	21°52	6°25	22°30	21°29	8° 8	9°26	10°44	26°49	S 29
M30	22 32 39	6°39'17	8 ≏ 58	21°15	20°31	28° 1	12°20	21°52	6°27	22°32	21°28	8°D 7	9°23	10°51	26°46	M30
T 31	22 36 36	7 m 37'16	23 ≏ 46	$22\Omega58$	21 ≏ 38	28 m 39	12 Y 14	21853	6929	22 ₾ 33	21828	8 ℃ 7	9 Υ 20	10 ℃ 57	26 ∺ 44	T 31

Day	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v t	, k
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1 M 2 T 3 W 4 T 5 F 6 S 7	-	1 4 0 54 5s48 0s23 12 19 1 38 18 6 2 46 22 51 3 43 26 16 4 26	12 32 4 57 12 47 4 54 13 3 4 50	5 25 1 0 4 55 0 57 4 25 0 54 3 55 0 51 3 24 0 48 2 54 0 45	8n51 1n 0 8 36 0 59 8 22 0 59 8 7 0 58 7 52 0 58 7 37 0 57 7 23 0 57 7 8 0 56	4 0 1 26 4 0 1 26 4 0 1 27 4 0 1 27 3 59 1 27 3 59 1 28	15 47 2 18 15 47 2 18 15 48 2 18 15 48 2 18 15 49 2 19 15 50 2 19	23n34	7 1 1 39 7 1 1 39 7 2 1 38 7 2 1 38 7 2 1 38	3n29 15s 7 3 29 15 7 3 29 15 7 3 28 15 8 3 28 15 8 3 28 15 8 3 28 15 9	3 47 4	1 14 2 59 1 13 3 2 1 12 3 6	2 55 4 10 2 55 4 10 2 54 4 10 2 54 4 10 2 53 4 10
M 9 T 10 W11 T 12 F 13 S 14	15 54 15 36 15 19 15 1 14 43 14 25	28 22 5 6 27 1 5 2 24 16 4 42 20 23 4 9 15 42 3 25 10 27 2 32	14 15 4 14 14 34 4 2 14 52 3 48 15 10 3 34 15 27 3 18 15 43 3 2	1 53 0 38 1 22 0 35 0 52 0 31 0 21 0 28 0s 9 0 24 0 40 0 20	6 53 0 56 6 38 0 55 6 23 0 55 6 7 0 54 5 52 0 54 5 37 0 53	3 57 1 28 3 56 1 28 3 56 1 29 3 55 1 29 3 54 1 29 3 53 1 30	15 51 2 19 15 51 2 19 15 51 2 20 15 52 2 20 15 52 2 20 15 53 2 20	23 33 0 15 23 33 0 15	7 3 1 38 7 4 1 38 7 4 1 38 7 5 1 38 7 5 1 38 7 6 1 38	3 27 15 9 3 27 15 9 3 27 15 10 3 27 15 10 3 27 15 10 3 27 15 10 3 26 15 11	3 41 4 3 38 4 3 35 4 3 31 4 3 28 4 3 26 4	1 9 3 13 1 8 3 16 1 7 3 20 1 5 3 23 1 4 3 26 1 3 3 30	2 52 4 10 2 51 4 10 2 50 4 11 2 50 4 11 2 49 4 11 2 48 4 11
S 15 M16 T 17 W18 T 19 F 20 S 21	12 30 12 10	0n46 0 30 6 23 0n34 11 47 1 37 16 47 2 36 21 13 3 28 24 49 4 13	16 24 2 11 16 34 1 54 16 42 1 37	1 41 0 13 2 12 0 9 2 43 0 5 3 13 0 1 3 44 0s 3	5 22 0 53 5 7 0 52 4 51 0 52 4 36 0 51 4 21 0 51 4 5 0 50 3 50 0 50	3 51 1 30 3 50 1 30 3 49 1 30 3 48 1 31 3 46 1 31 3 45 1 31 3 43 1 31	15 53 2 21 15 53 2 21 15 54 2 21 15 54 2 21 15 54 2 22	23 32 0 15 23 32 0 15 23 32 0 15	7 7 1 38 7 7 1 38 7 8 1 38 7 8 1 38 7 9 1 38	3 26 15 11 3 26 15 11 3 26 15 11 3 25 15 12 3 25 15 12 3 25 15 12 3 25 15 13	3 24 3 3 25 3 3 25 3	1 1 3 37 3 59 3 40 3 58 3 44 3 57 3 47	2 45 4 11 2 44 4 11 2 43 4 11
S 22 M23 T 24 W25 T 26 F 27 S 28	10 49 10 28 10 7	28 31 5 6 28 5 5 11 25 56 4 58 22 6 4 26 16 51 3 37	16 47 0 16 16 40 0 1 16 30 0n13 16 17 0 26	5 15 0 16 5 45 0 20 6 15 0 25 6 45 0 29 7 15 0 33	3 34 0 50 3 19 0 49 3 3 0 49 2 47 0 48 2 32 0 48 2 16 0 47 2 1 0 47	3 40 1 32 3 38 1 32 3 36 1 32 3 34 1 33 3 32 1 33	15 55 2 22 15 55 2 22 15 55 2 23 15 55 2 23 15 55 2 23 15 55 2 23	23 32 0 15 23 31 0 15	7 10 1 38 7 11 1 38 7 11 1 38 7 12 1 38 7 13 1 38 7 13 1 38 7 14 1 38	3 24 15 13 3 24 15 13 3 24 15 13 3 23 15 14 3 23 15 14 3 23 15 14 3 22 15 15	3 24 3 3 22 3 3 20 3 3 18 3 3 16 3	3 53 3 57 3 52 4 1 3 51 4 4 3 49 4 8 3 48 4 11 3 47 4 14 3 46 4 18	2 41 4 11 2 40 4 11 2 39 4 11 2 38 4 11 2 37 4 12
S 29 M30 T 31	9 25 9 4 8n42	3 s37 0s 5	15 42 0 49 15 20 0 59 14n55 1n 8	8 44 0 47	1 45 0 46 1 29 0 46 1n13 0n45	3 26 1 34	15 55 2 24	23 31 0 15 23 31 0 15 23n31 0n15	7 15 1 37	3 22 15 15 3 22 15 15 3n22 15 s15	3 13 3	3 44 4 21 3 43 4 25 3n42 4n28	

Julian Day Number = 2494490.5, Delta T = 101.95 sec Ecliptic obliquity = $23^{\circ}25'35$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}22'59$, Lahiri = $25^{\circ}30'00$

SEPTEMBER 2117 00:00 UT

JLI	ILMDLK														00.0	0 01
Day	Sid.t	0	D	ğ	P	ð	4	ħ)∤(卉	Р	ស	ນ	Ç	Ŗ	Day
W 1	22 40 32	8 mp 35'16	8 M .18	24₽44	22 £ 44	29 m 18	12°R 9	21 8 53	6932	22 £ 35	21°R28	8 Ƴ 9	9 Ƴ 17	11 Υ 4	26°R41	W 1
T 2	22 44 29	9°33'18	22°33	26°32	23°50	29°56	12 ° 3	21°53	6°34	22°37	21828	8°10	9°14	11°11	26) 39	T 2
F 3	22 48 25	10°31'20	6 ₹ 28	28°23	24°56	0 ჲ 35	11°58	21°R53	6°36	22°39	21°28	8°R11	9°10	11°17	26°36	F 3
S 4	22 52 22	11°29'25	20° 2	0 m 15	26° 2	1°13	11°52	21°53	6°38	22°40	21°27	8°11	9° 7	11°24	26°33	S 4
S 5	22 56 18	12°27'30	3 ට 18	2° 9	27° 8	1°52	11°46	21°53	6°40	22°42	21°27	8° 9	9° 4	11°30	26°31	S 5
M 6	23 0 15	13°25'37	16°17	4° 4	28°14	2°31	11°40	21°53	6°41	22°44	21°27	8° 7	9° 1	11°37	26°28	M 6
T 7	23 4 12	14°23'46	29° 0	6° 0	29°19	3° 9	11°34	21°53	6°43	22°46	21°26	8° 4	8°58	11°44	26°25	T 7
W 8	23 8 8	15°21'56	11 ≈ 30	7°56	0 M 24	3°48	11°27	21°52	6°45	22°48	21°26	8° 0	8°55	11°50	26°23	W 8
T 9	23 12 5	16°20'07	23°48	9°52	1°29	4°27	11°21	21°52	6°47	22°49	21°26	7°56	8°51	11°57	26°20	T 9
F 10	23 16 1	17°18'20	5) 55	11°48	2°34	5° 6	11°14	21°51	6°49	22°51	21°25	7°53	8°48	12° 4	26°17	F 10
S 11	23 19 58	18°16'35	17°55	13°44	3°39	5°44	11° 7	21°50	6°50	22°53	21°25	7°51	8°45	12°10	26°14	S 11
S 12	23 23 54	19°14'51	29°48	15°39	4°43	6°23	11° 1	21°50	6°52	22°55	21°24	7°50	8°42	12°17	26°12	S 12
M13	23 27 51	20°13'10	11 ° 37	17°34	5°47	7° 2	10°54	21°49	6°53	22°57	21°24	7°D50	8°39	12°24	26° 9	M13
T 14	23 31 47	21°11'30	23°24	19°28	6°51	7°41	10°47	21°48	6°55	22°59	21°24	7°51	8°35	12°30	26° 6	T 14
W15	23 35 44	22° 9'52	5 8 12	21°21	7°55	8°20	10°39	21°46	6°56	23° 1	21°23	7°52	8°32	12°37	26° 3	W15
T 16	23 39 40	23° 8'16	17° 5	23°13	8°59	8°59	10°32	21°45	6°58	23° 3	21°23	7°53	8°29	12°44	26° 0	T 16
F 17	23 43 37	24° 6'43	29° 6	25° 5	10° 2	9°38	10°25	21°44	6°59	23° 5	21°22	7°54	8°26	12°50	25°58	F 17
S 18	23 47 34	25° 5'11	11 I I19	26°55	11° 5	10°17	10°17	21°42	7° 1	23° 7	21°21	7°55	8°23	12°57	25°55	S 18
S 19	23 51 30	26° 3'42	23°49	28°44	12° 8	10°56	10°10	21°41	7° 2	23° 9	21°21	7°R56	8°20	13° 3	25°52	S 19
M20	23 55 27	27° 2'15	69540	0 亞 33	13°11	11°36	10° 2	21°39	7° 3	23°11	21°20	7°56	8°16	13°10	25°49	M20
T 21	23 59 23	28° 0'50	19°56	2°20	14°13	12°15	9°54	21°37	7° 4	23°13	21°20	7°55	8°13	13°17	25°47	T 21
W22	0 3 20	28°59'27	3 Ω 39	4° 7	15°15	12°54	9°47	21°35	7° 5	23°15	21°19	7°54	8°10	13°23	25°44	W22
T 23	0 7 16	29°58'07	17°48	5°52	16°17	13°33	9°39	21°33	7° 6	23°17	21°19	7°53	8° 7	13°30	25°41	T 23
F 24	0 11 13	0 ≙ 56'48	2 Mp 23	7°36	17°18	14°13	9°31	21°31	7° 7	23°19	21°18	7°52	8° 4	13°37	25°38	F 24
S 25	0 15 9	1°55'32	17°17	9°20	18°19	14°52	9°23	21°29	7° 8	23°21	21°17	7°52	8° 0	13°43	25°35	S 25
S 26	0 19 6	2°54'17	2 ≏ 25	11° 2	19°20	15°32	9°15	21°27	7° 9	23°24	21°17	7°D51	7°57	13°50	25°33	S 26
M27	0 23 3	3°53'05	17°36	12°44	20°21	16°11	9° 7	21°24	7°10	23°26	21°16	7°51	7°54	13°57	25°30	M27
T 28	0 26 59	4°51'54	2 M 42	14°24	21°21	16°51	8°59	21°22	7°11	23°28	21°15	7°52	7°51	14° 3	25°27	T 28
W29	0 30 56	5°50'46	17°33	16° 4	22°21	17°30	8°51	21°19	7°12	23°30	21°14	7°52	7°48	14°10	25°25	W29
T 30	0 34 52	6 ₽ 49'39	2 × 7 3	17 ♀ 42	23M20	18 ≏ 10	8 Ƴ 43	21817	79513	23 £ 32	21814	7 Υ 52	7 Y 45	14 Y 17	25) 22	T 30

Day	0	D	3		·	1	ď	7	2	+	ŧ	1);	f(,	(Р	ß	U	ţ	ď	;
	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
W 1	8n21	16s46 2s3	8 14n28	1n16	9 s43	0s56	0n58	0n45	3n21	1 s34	15n54	2 s24	23n31	0n15	7s16	1n37	3n21 15s1	6 3n14	3n41	4n31	2n32	4n12
T 2	7 59	21 57 3 4	0 13 58	1 23	10 12	1 1	0 42	0 44	3 19	1 34	15 54	2 24	23 31	0 15	7 17	1 37	3 21 15 1	6 3 14	3 39	4 35	2 31	4 12
F 3	7 37	25 46 4 2	8 13 26	1 29	10 40	1 6	0 26	0 44	3 17	1 34	15 54	2 25	23 31	0 15	7 18	1 37	3 21 15 1	6 3 15	3 38	4 38	2 30	4 12
S 4	7 15	28 1 4 5	9 12 51	1 35	11 9	1 11	0 10	0 43	3 14	1 35	15 54	2 25	23 31	0 15	7 19	1 37	3 20 15 1	7 3 15	3 37	4 42	2 29	4 12
S 5	6 53	28 36 5 1	3 12 15	1 39	11 37	1 16	0 s 6	0 43	3 12	1 35	15 54	2 25	23 31	0 15	7 19	1 37	3 20 15 1	7 3 14	3 36	4 45	2 28	4 12
M 6	6 31	27 35 5 1	1 11 36	1 42	12 5	1 20	0 21	0 42	3 9	1 35	15 53	2 25	23 30	0 15	7 20	1 37	3 20 15 1	7 3 13	3 34	4 48	2 27	4 12
T 7	6 8	25 8 4 5	4 10 56	1 45	12 33	1 25	0 37	0 42	3 7	1 35	15 53	2 26	23 30	0 15	7 21	1 37	3 19 15 1	7 3 12	3 33	4 52	2 26	4 12
W 8	5 46	21 32 4 2	2 10 14	1 46	13 1	1 30	0 53	0 41	3 4	1 35	15 53	2 26	23 30	0 15	7 21	1 37	3 19 15 1	8 3 10	3 32	4 55	2 24	4 12
T 9	5 23	17 2 3 4	0 9 31	1 47	13 28	1 35	1 9	0 41	3 1	1 35	15 52	2 26	23 30	0 15	7 22	1 37	3 19 15 1	8 3 9	3 31	4 59	2 23	4 12
F 10	5 1	11 55 2 4	7 8 47	1 47	13 55	1 40	1 25	0 40	2 59	1 36	15 52	2 26	23 30	0 15	7 23	1 37	3 18 15 1	8 3 8	3 29	5 2	2 22	4 12
S 11	4 38	6 26 1 4	8 8 2	1 47	14 22	1 45	1 40	0 40	2 56	1 36	15 52	2 26	23 30	0 15	7 23	1 37	3 18 15 1	8 3 7	3 28	5 6	2 21	4 11
S 12	4 15	0 45 0 4	4 7 17	1 46	14 49	1 50	1 56	0 39	2 53	1 36	15 51	2 27	23 30	0 15	7 24	1 37	3 17 15 1	9 3 6	3 27	5 9	2 20	4 11
M13	3 52	4n55 0n2	1 6 30	1 44	15 15	1 55	2 12	0 38	2 50	1 36	15 51	2 27	23 30	0 15	7 25	1 37	3 17 15 1	9 3 6	3 26	5 12	2 19	4 11
T 14	3 29	-	5 44		15 41	2 0	2 28	0 38	2 47	1 36	15 50				7 26	1 37	3 17 15 1	9 3 7	3 24	5 16	2 18	4 11
W15	3 6	15 32 2 2	6 4 56	1 39	16 7	2 5	2 44	0 37	2 44	1 36	15 50	2 27		0 15	7 26	1 37	3 16 15 1	9 3 7	3 23	5 19	2 17	4 11
T 16	2 43	20 8 3 2	1 4 9	1 35	16 32	2 10	3 0	0 37	2 41	1 36		2 27		0 15	7 27	1 37	3 16 15 2	0 3 8	3 22	5 23	2 15	4 11
F 17	2 20	23 58 4	7 3 21	1 31	16 57	2 15	3 15	0 36	2 38	1 37		2 28			7 28	1 37	3 16 15 2	0 3 8	3 21	5 26	2 14	4 11
S 18	1 57	26 49 4 4	4 2 34	1 27	17 22	2 20	3 31	0 36	2 35	1 37	15 48	2 28	23 30	0 15	7 29	1 37	3 15 15 2	0 3 8	3 19	5 29	2 13	4 11
S 19	1 34	28 24 5	8 1 46	1 23	17 46	2 25	3 47	0 35	2 32	1 37	15 47	2 28	23 30	0 15	7 29	1 37	3 15 15 2	0 3 9	3 18	5 33	2 12	4 11
M20	1 11			_	18 10	2 30	4 3	0 35	2 29	1 37		2 28			7 30	1 37	3 15 15 2		3 17	5 36	2 11	4 11
T 21		27 4 5 1		-	18 34	2 35	4 19	0 34	2 26	1 37	-		23 30		7 31	1 37	3 14 15 2	-	3 16	5 40	2 10	4 11
W22	-	23 58 4 4			18 57	2 40	4 34	0 34	2 23	1 37	-		23 30		7 32	1 37	3 14 15 2	-	3 14	5 43	2 9	4 11
T 23	-		4 1 23		19 20	2 45	4 50	0 33	2 20	1 37			23 30		7 33	1 37	3 13 15 2		3 13	5 46	2 7	4 11
F 24	0 s23		5 2 10		19 42	2 50	5 6	0 33	2 17	1 37	-				7 33	1 37	3 13 15 2		3 12	5 50	2 6	4 11
S 25	0 46	6 44 1 5	2 56	0 49	20 4	2 54	5 22	0 32	2 14	1 37	15 43	2 29	23 30	0 15	7 34	1 37	3 13 15 2	2 3 7	3 11	5 53	2 5	4 11
S 26	1 9	0s30 0 3			20 26	2 59	5 37	0 32	2 10		15 43		23 29	0 15	7 35	1 37	3 12 15 2	2 3 7	3 9	5 56	2 4	4 10
M27	1 33	7 44 0s5	4 4 28	0 36	20 47	3 4	5 53	0 31	2 7	1 37	15 42	2 29		0 16	7 36	1 37	3 12 15 2	2 3 7	3 8	6 0	2 3	4 10
T 28	1 56	14 30 2 1	4 5 13	0 30	21 8	3 9	6 9	0 31	2 4	1 37	15 41	2 30	23 29	0 16	7 37	1 37	3 12 15 2	2 3 7	3 7	6 3	2 1	4 10
W29	2 19	20 18 3 2	5 58	0 23	21 28	3 14	6 24	0 30	2 1	1 37	15 40	2 30	23 29	0 16	7 37	1 37	3 11 15 2	3 3 7	3 5	6 7	2 0	4 10
T 30	2 s43	24 s46 4 s1	8 6 s 4 2	0n16	21 s48	3 s 1 8	6 s40	0n30	1n58	1 s37	15n39	2 s 3 0	23n29	0n16	7 s38	1n37	3n11 15s2	3 3n 7	3n 4	6n10	1n59	4n10

 $\label{eq:Julian Day Number = 2494521.5} \ Delta\ T = 102.00\ sec$ $Ecliptic\ obliquity = 23°25'36,\ Nutation = -0°00'02,\ out-of-bounds\ declination\ in\ red$ $Ayanamsha:\ Fagan/Bradley = 26°23'04,\ Lahiri = 25°30'04$

OCTOBER 2117 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(并	В	រា	Ω	Ç	Ŗ	Day
F 1	0 38 49	7 ≏ 48'34	16 ₹ 9	19 ≙ 20	24M20	18 ≏ 49	8°R35	21°R14	79913	23 ₽ 34	21°R13	7°R52	7 Υ 41	14 Y 23	25°R19	F 1
S 2	0 42 45	8°47'30	29°50	20°57	25°18	19°29	8 Ƴ 27	21 8 11	7°14	23°36	21812	7 Ƴ 52	7°38	14°30	25 米 16	S 2
S 3	0 46 42	9°46'29	13ට 5	22°33	26°17	20° 9	8°19	21° 8	7°14	23°39	21°11	7°D52	7°35	14°37	25°14	S 3
M 4	0 50 38	10°45'29	25°59	24° 8	27°15	20°49	8°11	21° 5	7°15	23°41	21°10	7°52	7°32	14°43	25°11	M 4
T 5	0 54 35	11°44'31	8≈33	25°42	28°12	21°28	8° 3	21° 2	7°15	23°43	21°10	7°52	7°29	14°50	25° 8	T 5
W 6	0 58 32	12°43'34	20°51	27°16	29° 9	22° 8	7°55	20°59	7°16	23°45	21° 9	7°53	7°26	14°56	25° 6	W 6
T 7	1 2 28	13°42'40	2) (57	28°48	0 ∡ 7 6	22°48	7°47	20°55	7°16	23°47	21° 8	7°53	7°22	15° 3	25° 3	T 7
F 8	1 6 25	14°41'47	14°55	0 M 20	1° 2	23°28	7°39	20°52	7°17	23°50	21° 7	7°54	7°19	15°10	25° 1	F 8
S 9	1 10 21	15°40'56	26°47	1°51	1°58	24° 8	7°31	20°49	7°17	23°52	21° 6	7°55	7°16	15°16	24°58	S 9
S 10	1 14 18	16°40'07	8 Y 35	3°21	2°53	24°48	7°23	20°45	7°17	23°54	21° 5	7°R55	7°13	15°23	24°56	S 10
M11	1 18 14	17°39'20	20°23	4°51	3°47	25°28	7°15	20°42	7°17	23°56	21° 4	7°54	7°10	15°30	24°53	M11
T 12	1 22 11	18°38'35	2812	6°19	4°41	26° 8	7° 8	20°38	7°17	23°59	21° 4	7°54	7° 6	15°36	24°51	T 12
W13	1 26 7	19°37'52	14° 5	7°47	5°35	26°48	7° 0	20°34	7°R17	24° 1	21° 3	7°52	7° 3	15°43	24°48	W13
T 14	1 30 4	20°37'11	26° 3	9°14	6°28	27°28	6°52	20°30	7°17	24° 3	21° 2	7°50	7° 0	15°50	24°46	T 14
F 15	1 34 1	21°36'33	8 Ⅱ 10	10°40	7°20	28° 9	6°45	20°26	7°17	24° 5	21° 1	7°48	6°57	15°56	24°43	F 15
S 16	1 37 57	22°35'57	20°28	12° 6	8°11	28°49	6°37	20°23	7°17	24° 7	21° 0	7°46	6°54	16° 3	24°41	S 16
S 17	1 41 54	23°35'23	395 0	13°30	9° 2	29°29	6°30	20°18	7°17	24°10	20°59	7°45	6°51	16°10	24°39	S 17
M18	1 45 50	24°34'51	15°49	14°54	9°53	0 M .10	6°23	20°14	7°17	24°12	20°58	7°44	6°47	16°16	24°36	M18
T 19	1 49 47	25°34'22	28°59	16°16	10°42	0°50	6°16	20°10	7°16	24°14	20°57	7°D44	6°44	16°23	24°34	T 19
W20	1 53 43	26°33'55	12 Ω 31	17°38	11°31	1°31	6° 9	20° 6	7°16	24°16	20°56	7°44	6°41	16°29	24°32	W20
T 21	1 57 40	27°33'30	26°28	18°58	12°19	2°11	6° 2	20° 2	7°16	24°19	20°55	7°45	6°38	16°36	24°29	T 21
F 22	2 1 36	28°33'08	10 m 49	20°18	13° 6	2°52	5°55	19°58	7°15	24°21	20°54	7°47	6°35	16°43	24°27	F 22
S 23	2 5 33	29°32'47	25°32	21°36	13°52	3°32	5°48	19°53	7°15	24°23	20°53	7°48	6°32	16°49	24°25	S 23
S 24	2 9 30	0 M _32'29	10 ≏ 32	22°53	14°38	4°13	5°41	19°49	7°14	24°25	20°52	7°R48	6°28	16°56	24°23	S 24
M25	2 13 26	1°32'13	25°42	24° 9	15°22	4°53	5°35	19°44	7°14	24°28	20°51	7°47	6°25	17° 3	24°21	M25
T 26	2 17 23	2°31'59	10ML52	25°24	16° 6	5°34	5°29	19°40	7°13	24°30	20°50	7°45	6°22	17° 9	24°19	T 26
W27	2 21 19	3°31'47	25°53	26°36	16°49	6°15	5°22	19°35	7°12	24°32	20°49	7°42	6°19	17°16	24°17	W27
T 28	2 25 16	4°31'37	10 ∡ 36	27°47	17°30	6°56	5°16	19°31	7°11	24°34	20°47	7°38	6°16	17°23	24°15	T 28
F 29	2 29 12	5°31'28	2 <u>4</u> °54	28°57	18°11	7°37	5°10	19°26	7°11	24°36	20°46	7°34	6°12	17°29	24°13	F 29
S 30	2 33 9	6°31'22	8 궁 44	0 才 4	18°50	8°18	5° 5	19°21	7°10	24°39	20°45	7°31	6° 9	17°36	24°11	S 30
S 31	2 37 5	7 ML 31'17	22 궁 7	1 ∡ 7 9	19 × 28	8 M .59	4℃ 59	19 8 17	7 9 5 9	24 ≏ 41	20844	7 Ƴ 29	6 Y 6	17 Y 43	24 ∺ 9	S 31

Day	0	D	ğ	Q	♂¹	4	ħ)Å(4	Р	N.	U ¢	Š,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	lecl decl	decl lat
F 1 S 2	3 s 6 3 29			9 22s 7 3s23 2 22 26 3 28	6s55 0n29 7 11 0 29	1n55 1s37 1 51 1 37		23n29 0n16 23 29 0 16		3n10 15 s23 3 10 15 23	3n 7 3 3 7 3	n 3 6n13 2 6 17	1 1
S 3 M 4 T 5 W 6 T 7	3 52 4 15 4 38 5 1 5 24	25 53 5 2 22 31 4 34 18 13 3 53	9 33 0 10 14 0 10 54 0 2	19 23 20 3 41	7 26 0 28 7 42 0 27 7 57 0 27 8 12 0 26 8 28 0 26	1 48 1 37 1 45 1 37 1 42 1 37 1 39 1 37 1 36 1 37	15 36 2 31 15 35 2 31 15 34 2 31	23 29 0 16 23 29 0 16	7 41 1 37 7 42 1 37 7 43 1 37	3 10 15 23 3 9 15 24 3 9 15 24 3 9 15 24 3 8 15 24	- '	59 6 24	1 54 4 10 1 53 4 9 1 52 4 9
F 8 S 9	5 47 6 10	7 51 2 4	12 13 0		8 43 0 25 8 58 0 25	1 33 1 37	15 32 2 31		7 45 1 37	3 8 15 24 3 7 15 24	3 8 2	54 6 37 53 6 40	1 50 4 9
S 10 M11 T 12 W13 T 14 F 15 S 16	6 33 6 56 7 18 7 41 8 3 8 25 8 47	9 1 1 9 14 17 2 11 19 2 3 7 23 5 3 56 26 11 4 35	16 26 1 2	2 24 55 4 6 9 25 9 4 10 16 25 23 4 14 23 25 36 4 17 29 25 49 4 21	9 13 0 24 9 29 0 24 9 44 0 23 9 59 0 23 10 14 0 22 10 28 0 21 10 43 0 21	1 27 1 37 1 24 1 37 1 21 1 37 1 18 1 37 1 15 1 37 1 12 1 37 1 9 1 37	15 29 2 32 15 28 2 32 15 27 2 32 15 25 2 32 15 24 2 32	23 29 0 16	7 47 1 37 7 48 1 37 7 49 1 37 7 50 1 37 7 50 1 37	3 7 15 25 3 7 15 25 3 6 15 25 3 6 15 25 3 6 15 25 3 5 15 25 3 5 15 26	3 8 2 3 8 2 3 7 2	49 6 51 48 6 54 47 6 57 45 7 1	1 46 4 9 1 45 4 8 1 44 4 8 1 43 4 8 1 42 4 8
S 17 M18 T 19 W20 T 21 F 22 S 23	9 53	27 40 5 13 25 10 4 55 21 12 4 20 15 58 3 29 9 43 2 24	18 32 1 : 19 1 2 19 29 2 19 56 2	49 26 23 4 31 55 26 33 4 34 1 26 43 4 37 7 26 52 4 39	11 42 0 19 11 56 0 18 12 11 0 18	1 6 1 37 1 3 1 36 1 1 1 36 0 58 1 36 0 55 1 36 0 53 1 36 0 50 1 36	15 21 2 32 15 20 2 32 15 19 2 32 15 17 2 33 15 16 2 33	23 30 0 16	7 53 1 37 7 54 1 37 7 54 1 37 7 55 1 37 7 56 1 37	3 5 15 26 3 4 15 26 3 4 15 26 3 4 15 26 3 3 15 26 3 3 15 26 3 2 15 26	3 5 2	42 7 11 40 7 14	1 39 4 7 1 37 4 7 1 36 4 7 1 35 4 7 1 34 4 7
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	13 1 13 21 13 41	11 26 1 37 17 48 2 52 23 1 3 54 26 38 4 40 28 26 5 6 28 21 5 14	21 55 2 2 22 15 2 4 22 34 2 4 22 52 2 4	27 27 25 4 49 32 27 31 4 51 36 27 37 4 52 40 27 43 4 54 43 27 48 4 55 46 27 53 4 56	12 54 0 16 13 8 0 15 13 22 0 15 13 36 0 14 13 50 0 14	0 48 1 36 0 45 1 35 0 43 1 35 0 41 1 35 0 38 1 35 0 36 1 35 0 34 1 35	15 12 2 33 15 11 2 33 15 10 2 33 15 9 2 33 15 7 2 33 15 6 2 33	23 30 0 16 23 30 0 16	7 58 1 37 7 59 1 37 8 0 1 37 8 1 1 37 8 2 1 37 8 2 1 37	3 2 15 26 3 2 15 26 3 1 15 27 3 1 15 27 3 1 15 27 3 0 15 27 3 0 15 27 3n 0 15s27	3 5 2 3 5 2 3 3 2 3 2 2 3 0 2 2 59 2	34 7 31 33 7 34 32 7 38 30 7 41 29 7 44 28 7 48 27 7 51 n25 7n54	1 31 4 6 1 30 4 6 1 29 4 5 1 28 4 5 1 27 4 5 1 26 4 5

Julian Day Number = 2494551.5, Delta T = 102.04 sec Ecliptic obliquity = $23^{\circ}25'36$, Nutation = - $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}23'08$, Lahiri = $25^{\circ}30'08$

NOVEMBER 2117 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	Ω	Ç	ę,	Day
M 1	2 41 2	8MJ31'13	5≈ 2	2 √ 11	20 x 5	9 11 .40	4°R53	19°R12	7°R 8	24 <u>₽</u> 43	20°R43	7°D28	6 Υ 3	17 Υ 49	24°R 8	M 1
T 2	2 44 59	9°31'12	17°35	3°10	20°41	10°21	4 Υ 48	198 7	7 9 5 7	24°45	20842	7 Υ 28	6° 0	17°56	24 ∀ 6	T 2
W 3	2 48 55	10°31'11	29°50	4° 7	21°15	11° 2	4°43	19° 2	7° 6	24°47	20°41	7°29	5°57	18° 3	24° 4	W 3
T 4	2 52 52	11°31'13	11 米 51	4°59	21°48	11°43	4°38	18°58	7° 5	24°50	20°40	7°31	5°53	18° 9	24° 2	T 4
F 5	2 56 48	12°31'15	23°43	5°48	22°20	12°24	4°33	18°53	7° 4	24°52	20°39	7°33	5°50	18°16	24° 1	F 5
S 6	3 0 45	13°31'20	5 Ƴ 31	6°33	22°50	13° 5	4°29	18°48	7° 2	24°54	20°38	7°R33	5°47	18°22	23°59	S 6
S 7	3 441	14°31'26	17°18	7°13	23°18	13°46	4°24	18°43	7° 1	24°56	20°37	7°33	5°44	18°29	23°58	S 7
M 8	3 8 38	15°31'34	29° 7	7°47	23°45	14°28	4°20	18°38	7° 0	24°58	20°35	7°31	5°41	18°36	23°56	M 8
T 9	3 12 34	16°31'44	118 2	8°15	24°10	15° 9	4°16	18°34	6°59	25° 0	20°34	7°26	5°38	18°42	23°55	T 9
W10	3 16 31	17°31'55	23° 3	8°37	24°34	15°50	4°12	18°29	6°57	25° 2	20°33	7°20	5°34	18°49	23°53	W10
T 11	3 20 28	18°32'08	5 Ⅱ 13	8°51	24°55	16°32	4° 8	18°24	6°56	25° 4	20°32	7°13	5°31	18°56	23°52	T 11
F 12	3 24 24	19°32'23	17°33	8°R57	25°15	17°13	4° 5	18°19	6°54	25° 7	20°31	7° 5	5°28	19° 2	23°51	F 12
S 13	3 28 21	20°32'40	099 3	8°54	25°33	17°55	4° 1	18°14	6°53	25° 9	20°30	6°57	5°25	19° 9	23°50	S 13
S 14	3 32 17	21°32'59	12°45	8°43	25°49	18°36	3°58	18° 9	6°51	25°11	20°29	6°50	5°22	19°16	23°49	S 14
M15	3 36 14	22°33'20	25°40	8°21	26° 2	19°18	3°55	18° 4	6°50	25°13	20°28	6°45	5°18	19°22	23°47	M15
T 16	3 40 10	23°33'43	8 N 51	7°49	26°14	20° 0	3°53	18° 0	6°48	25°15	20°26	6°42	5°15	19°29	23°46	T 16
W17	3 44 7	24°34'07	22°18	7° 7	26°24	20°41	3°50	17°55	6°46	25°17	20°25	6°D40	5°12	19°36	23°45	W17
T 18	3 48 3	25°34'34	6Mp 3	6°15	26°31	21°23	3°48	17°50	6°45	25°19	20°24	6°41	5° 9	19°42	23°44	T 18
F 19	3 52 0	26°35'02	20° 8	5°14	26°36	22° 5	3°46	17°45	6°43	25°21	20°23	6°42	5° 6	19°49	23°43	F 19
S 20	3 55 57	27°35'32	4 ₾ 31	4° 4	26°38	22°47	3°44	17°40	6°41	25°23	20°22	6°R43	5° 3	19°56	23°43	S 20
S 21	3 59 53	28°36'04	19°11	2°49	26°R39	23°29	3°42	17°36	6°39	25°25	20°21	6°42	4°59	20° 2	23°42	S 21
M22	4 3 50	29°36'37	4M 3	1°29	26°36	24°11	3°40	17°31	6°37	25°27	20°20	6°39	4°56	20° 9	23°41	M22
T 23	4 7 46	0 ₮ 37'13	19° 0	0° 7	26°32	24°53	3°39	17°26	6°35	25°29	20°19	6°34	4°53	20°16	23°40	T 23
W24	4 11 43	1°37'50	3 ∡ 754	28 M 47	26°25	25°35	3°38	17°22	6°33	25°30	20°18	6°26	4°50	20°22	23°40	W24
T 25	4 15 39	2°38'28	18°35	27°30	26°15	26°17	3°37	17°17	6°32	25°32	20°16	6°17	4°47	20°29	23°39	T 25
F 26	4 19 36	3°39'08	2 ප 56	26°19	26° 4	26°59	3°36	17°12	6°29	25°34	20°15	6° 8	4°44	20°35	23°39	F 26
S 27	4 23 32	4°39'49	16°52	25°17	25°49	27°41	3°36	17° 8	6°27	25°36	20°14	5°59	4°40	20°42	23°38	S 27
S 28	4 27 29	5°40'31	0≈20	24°25	25°33	28°24	3°36	17° 3	6°25	25°38	20°13	5°51	4°37	20°49	23°38	S 28
M29	4 31 26	6°41'14	13°21	23°43	25°13	29° 6	3°D36	16°59	6°23	25°40	20°12	5°46	4°34	20°55	23°37	M29
T 30	4 35 22	7 .₹ 41'59	25≈58	23 M .13	24 × 752	29 M 48	3 Y 36	16 8 55	6 9 21	25 ≏ 41	20811	5 Ƴ 44	4 Υ 31	21 ° 2	23 米 37	T 30

Day	0	D		ζ	5	ç	1	С	7	2	+	ŧ	ì);	β(,	(Р	រា	U	Ç	ķ	
	decl	decl la	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
M 1	14 s20	23 s30 4	4 s 3 8	23 s23	2 s 5 1	28s 0	4 s 5 8	14 s31	0n12	0n30	1 s34	15n 4	2 s33	23n30	0n16	8s 4	1n37	3n 0 15s27	2n58	2n24	7n58	1n24	4n 4
T 2	14 39	19 22 4	4 0	23 36	2 52	28 3	4 58	14 44	0 11	0 28	1 34	15 2	2 33	23 30	0 16	8 5	1 37	2 59 15 27	2 58	2 23	8 1	1 24	4 4
W 3	14 58	14 31 3	3 12	23 47	2 53	28 6	4 58	14 57	0 11	0 26	1 34	15 1	2 33	23 31	0 16	8 6	1 37	2 59 15 27	2 58	2 22	8 4	1 23	4 4
T 4	15 17	9 13 2	2 16	23 57	2 53	28 8	4 58	15 11	0 10	0 25	1 34	15 0	2 33	23 31	0 16	8 6	1 37	2 59 15 27	2 59	2 20	8 8	1 22	4 4
F 5	15 35	3 39	1 15	24 6	2 53	28 9	4 57	15 24	0 10	0 23	1 33	14 58	2 33	23 31	0 16	8 7	1 37	2 58 15 27	2 59	2 19	8 11	1 21	4 3
S 6	15 53	2n 1	0 11	24 12	2 51	28 10	4 57	15 37	0 9	0 21	1 33	14 57	2 33	23 31	0 16	8 8	1 37	2 58 15 27	3 0	2 18	8 14	1 20	4 3
S 7	16 11	7 36 (0n53	24 17	2 49	28 11	4 56	15 50	0 8	0 20	1 33	14 56	2 33	23 31	0 16	8 9	1 37	2 58 15 27	3 0	2 17	8 18	1 19	4 3
M 8	16 29	12 57	1 55	24 19	2 46	28 11	4 54	16 3	0 8	0 18	1 33	14 55	2 33	23 31	0 16	8 9	1 37	2 57 15 27	2 59	2 15	8 21	1 18	4 3
T 9	16 46	17 51 2	2 52	24 19	2 41	28 10	4 52	16 15	0 7	0 17	1 32	14 53	2 33	23 31	0 17	8 10	1 37	2 57 15 27	2 57	2 14	8 24	1 18	4 2
W10	17 3	22 6	3 42	24 17	2 36	28 9	4 50	16 28	0 7	0 16	1 32	14 52	2 33	23 31	0 17	8 11	1 37	2 57 15 27	2 55	2 13	8 28	1 17	4 2
T 11	17 20	25 27	4 22	24 13	2 29	28 7	4 48	16 40	0 6	0 14	1 32	14 51	2 33	23 31	0 17	8 12	1 37	2 57 15 27	2 52	2 11	8 31	1 16	4 2
F 12	17 36	27 40	4 51	24 6	2 21	28 5	4 45	16 53	0 6	0 13	1 32	14 49	2 33	23 31	0 17	8 12	1 37	2 56 15 27	2 49	2 10	8 34	1 15	4 2
S 13	17 53	28 32	5 6	23 56	2 11	28 2	4 41	17 5	0 5	0 12	1 31	14 48	2 33	23 31	0 17	8 13	1 37	2 56 15 27	2 45	2 9	8 38	1 15	4 1
S 14		-, -,		23 43	2 0		4 38	17 17	0 4	0 11	1 31	14 47		23 32	0 17	8 14	1 37	2 56 15 27	2 43	2 8	8 41	1 14	4 1
M15	18 24	25 47	4 52	23 27	1 47	27 55	4 34	17 29	0 4	0 10	1 31	14 46	2 33	23 32	0 17	8 15	1 37	2 56 15 27	2 41	2 6	8 44	1 13	4 1
T 16	18 39	22 14	4 22	23 8	1 33	27 51	4 29	17 41	0 3	0 9	1 31	14 44	2 32	23 32	0 17	8 15	1 37	2 55 15 27	2 39	2 5	8 48	1 13	4 1
W17	18 54	17 29	3 36	22 45	1 17	27 46	4 24	17 52	0 3	0 8	1 30	14 43	2 32	23 32	0 17	8 16	1 37	2 55 15 27	2 39	2 4	8 51	1 12	4 0
T 18	19 9	11 44 2	2 38	22 19	1 0	27 41	4 18	18 4	0 2	0 8	1 30	14 42	2 32	23 32	0 17	8 17	1 37	2 55 15 27	2 39	2 3	8 54	1 11	4 0
F 19	19 23	-		21 50	0 41		4 12		0 1	0 7	1 30	14 41	2 32			8 17	1 37	2 55 15 27	2 39	2 1	8 58	1 11	4 0
S 20	19 37	1 s37	0 12	21 18	0 21	27 29	4 6	18 27	0 1	0 7	1 30	14 39	2 32	23 32	0 17	8 18	1 37	2 55 15 27	2 40	2 0	9 1	1 10	3 59
S 21	19 50	8 32	1 s 7	20 43	0 1	27 21	3 58	18 38	0 0	0 6	1 29	14 38	2 32	23 32	0 17	8 19	1 37	2 54 15 27	2 40	1 59	9 4	1 10	3 59
M22	20 3	15 5 2	2 21	20 7	0n20	27 14	3 51	18 49	0s 0	0 6	1 29	14 37	2 32	23 32	0 17	8 19	1 37	2 54 15 27	2 38	1 58	9 7	1 9	3 59
T 23	20 16	20 47	3 27	19 31	0 40	27 5	3 43	19 0	0 1	0 6	1 29	14 36	2 32	23 33	0 17	8 20	1 37	2 54 15 27	2 36	1 56	9 11	1 9	3 59
W24	20 29	25 8 4	4 18	18 54	1 0	26 56	3 34	19 10	0 2	0 5	1 28	14 35	2 32	23 33	0 17	8 21	1 37	2 54 15 26	2 33	1 55	9 14	1 8	3 58
T 25	20 41	27 46	4 51	18 19	1 18	26 47	3 25	19 21	0 2	0 5	1 28	14 34	2 32	23 33	0 17	8 21	1 37	2 54 15 26	2 30	1 54	9 17	1 8	3 58
F 26	20 52	28 28	5 5	17 47	1 35	26 37	3 15	19 31	0 3	0 5	1 28	14 32	2 31	23 33	0 17	8 22	1 38	2 53 15 26	2 26	1 53	9 21	1 7	3 58
S 27	21 4	27 19	5 0	17 18	1 50	26 26	3 4	19 41	0 3	0 5	1 28	14 31	2 31	23 33	0 17	8 23	1 38	2 53 15 26	2 22	1 51	9 24	1 7	3 58
S 28	21 14	24 35	4 38	16 53	2 3	26 14	2 53	19 51	0 4	0 6	1 27	14 30	2 31	23 33	0 17	8 23	1 38	2 53 15 26	2 20	1 50	9 27	1 6	3 57
M29	21 25	20 40 4	4 2	16 32	2 14	26 2	2 42	20 1	0 5	0 6	1 27	14 29	2 31	23 33	0 17	8 24	1 38	2 53 15 26	2 17	1 49	9 31	1 6	3 57
T 30	21 s35	15 s56	3 s 1 6	16s16	2n22	25 s49	2 s 2 9	20 s11	0s 5	0n 6	1 s27	14n28	2 s 3 1	23n33	0n17	8 s24	1n38	2n53 15 s26	2n16	1n48	9n34	1n 5	3n57

Julian Day Number = 2494582.5, Delta T = 102.09 sec Ecliptic obliquity = 23°25'35, Nutation = -0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}23'12$, Lahiri = $25^{\circ}30'13$

DECEMBER 2117 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	n	Ω	Ç	ķ	Day
W 1	4 39 19	8 × 742'44	8) 13	22°R55	24°R28	31 اد	3 Y 36	16°R50	6°R19	25 Ω 43	20°R10	5°D43	4 Υ 28	21Υ 9	23°R37	W 1
T 2	4 43 15	9°43'30	20°14	22°D47	24 ∡ 3	1°13	3°37	16846	6917	25°45	208 9	5 ℃ 43	4°24	21°15	23) 37	T 2
F 3	4 47 12	10°44'17	2 Υ 6	22M51	23°35	1°56	3°38	16°42	6°14	25°47	20° 8	5°R44	4°21	21°22	23°37	F 3
S 4	4 51 8	11°45'05	13°53	23° 5	23° 6	2°38	3°38	16°38	6°12	25°48	20° 7	5°43	4°18	21°29	23°36	S 4
S 5	4 55 5	12°45'54	25°40	23°28	22°34	3°21	3°40	16°33	6°10	25°50	20° 6	5°41	4°15	21°35	23°D36	S 5
M 6	4 59 1	13°46'44	7 8 33	23°59	22° 2	4° 3	3°41	16°29	6° 8	25°52	20° 5	5°37	4°12	21°42	23°37	M 6
T 7	5 2 58	14°47'34	19°34	24°38	21°28	4°46	3°43	16°25	6° 5	25°53	20° 4	5°29	4° 9	21°49	23°37	T 7
W 8	5 6 5 5	15°48'26	1 Ⅱ 46	25°23	20°53	5°29	3°44	16°22	6° 3	25°55	20° 3	5°19	4° 5	21°55	23°37	W 8
T 9	5 10 51	16°49'19	14°10	26°15	20°17	6°11	3°47	16°18	6° 1	25°57	20° 2	5° 7	4° 2	22° 2	23°37	T 9
F 10	5 14 48	17°50'13	26°47	27°11	19°41	6°54	3°49	16°14	5°58	25°58	20° 1	4°54	3°59	22° 9	23°37	F 10
S 11	5 18 44	18°51'08	9937	28°12	19° 5	7°37	3°51	16°10	5°56	26° 0	20° 0	4°41	3°56	22°15	23°38	S 11
S 12	5 22 41	19°52'04	22°38	29°17	18°28	8°20	3°54	16° 7	5°53	26° 1	19°59	4°29	3°53	22°22	23°38	S 12
M13	5 26 37	20°53'01	5 Ω 51	0 х 26	17°52	9° 3	3°57	16° 3	5°51	26° 3	19°58	4°19	3°50	22°29	23°38	M13
T 14	5 30 34	21°53'59	19°14	1°37	17°16	9°46	4° 0	16° 0	5°48	26° 4	19°57	4°13	3°46	22°35	23°39	T 14
W15	5 34 31	22°54'58	2 Mp 48	2°51	16°41	10°29	4° 3	15°56	5°46	26° 5	19°56	4° 9	3°43	22°42	23°39	W15
T 16	5 38 27	23°55'58	16°32	4° 7	16° 7	11°12	4° 6	15°53	5°43	26° 7	19°55	4° 8	3°40	22°49	23°40	T 16
F 17	5 42 24	24°56'59	0 <u>ი</u> 28	5°25	15°34	11°55	4°10	15°50	5°41	26° 8	19°54	4° 8	3°37	22°55	23°41	F 17
S 18	5 46 20	25°58'01	14°35	6°45	15° 2	12°38	4°14	15°47	5°38	26°10	19°53	4° 8	3°34	23° 2	23°41	S 18
S 19	5 50 17	26°59'04	28°54	8° 6	14°32	13°21	4°18	15°44	5°36	26°11	19°52	4° 6	3°30	23° 8	23°42	S 19
M20	5 54 13	28° 0'09	13 M 20	9°29	14° 4	14° 4	4°22	15°41	5°33	26°12	19°52	4° 2	3°27	23°15	23°43	M20
T 21	5 58 10	2 <u>9</u> ° 1'14	27°52	10°53	13°38	14°48	4°26	15°38	5°31	26°13	19°51	3°54	3°24	23°22	23°44	T 21
W22	6 2 6	0중 2'20	12×23	12°17	13°14	15°31	4°31	15°35	5°28	26°15	19°50	3°44	3°21	23°28	23°45	W22
T 23	6 6 3	1° 3'26	26°46	13°43	12°52	16°15	4°35	15°32	5°26	26°16	19°49	3°32	3°18	23°35	23°46	T 23
F 24	6 10 0	2° 4'33	10 궁 54	15° 9	12°32	16°58	4°40	15°30	5°23	26°17	19°48	3°19	3°15	23°42	23°47	F 24
S 25	6 13 56	3° 5'41	24°43	16°36	12°15	17°41	4°45	15°27	5°20	26°18	19°48	3° 7	3°11	23°48	23°48	S 25
S 26	6 17 53	4° 6'49	8≈ 9	18° 4	12° 0	18°25	4°51	15°25	5°18	26°19	19°47	2°56	3° 8	23°55	23°49	S 26
M27	6 21 49	5° 7'57	21°10	19°32	11°47	19° 9	4°56	15°23	5°15	26°20	19°46	2°48	3° 5	24° 2	23°51	M27
T 28	6 25 46	6° 9'05	3) €48	21° 1	11°37	19°52	5° 2	15°20	5°13	26°21	19°45	2°43	3° 2	24° 8	23°52	T 28
W29	6 29 42	7°10'13	16° 7	22°30	11°30	20°36	5° 8	15°18	5°10	26°22	19°45	2°40	2°59	24°15	23°53	W29
T 30 F 31	6 33 39 6 37 35	8°11'21 9 る 12'29	28° 9 10 ° 2	24° 0 25 × 30	11°25 11 × 722	21°20 22 × 7 3	5°14 5 Υ 20	15°16	5° 8 5 9 5	26°23 26 Ω 24	19°44 19 8 43	2°40 2 ° 40	2°56 2 Υ 52	24°22 24 ° 28	23°55	T 30 F 31
16.7	03/33	901229	10 Υ' 2	∠3 x ·30	11×.77	22 x , 3	3 T 20	15 8 15	3 59 2	20 22 24	19043	Z 1 40	2 1 32	24 T 28	23 米 56	ГЭІ

Day	0	D			φ	3	•	2	ļ	ŧ	<u> </u>)į	ξ(Ä	7	В	n	Ω	Ç	ķ
	decl	decl lat	decl	lat d	cl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl lat
W 1 T 2	21 s45 21 54	10 s40 2 s 5 7 1	22 16s 5 22 15 59			20 s20 20 30	0s 6 0 6	0n 7 0 7	1 s26 1 26			23n33 23 34		8 s 2 5 8 2 6	1n38 1 38	2n53 15 s26 2 53 15 26	2n16 2 16	1n46 1 45	9n37 9 40	1n 5 3n56 1 5 3 56
F 3 S 4	22 3 22 11		19 15 57 43 15 59			20 39 20 48	0 7 0 8	0 8 0 8				23 34 23 34			1 38 1 38	2 52 15 25 2 52 15 25	2 16 2 16	1 44 1 43	9 44 9 47	1 4 3 56 1 4 3 56
S 5 M 6	22 26	16 33 2	44 16 5 41 16 14	2 36 24	18 1 7	20 57 21 5	0 8 0 9	0 9 0 10	1 25		2 30	23 34 23 34	0 17	8 28	1 38 1 38	2 52 15 25 2 52 15 25		1 41 1 40		1 4 3 55 1 4 3 55
T 7 W 8 T 9	22 34 22 40 22 46	24 37 4	31 16 26 12 16 40 41 16 56	2 30 23	43 0 37	21 14 21 22 21 30	0 9 0 10 0 11	0 11 0 12 0 13	1 25 1 24 1 24	14 20	2 29	23 34 23 34 23 34	0 17	8 29	1 38 1 38 1 38	2 52 15 25 2 52 15 25 2 52 15 24		1 39 1 37 1 36	10 0	1 3 3 55 1 3 3 54 1 3 3 54
F 10 S 11	22 52 22 58	-	58 17 14 0 17 33			21 38 21 46	0 11 0 12	0 14 0 15	1 24 1 24			23 35 23 35	0 17 0 17	8 30 8 31	1 38 1 38	2 52 15 24 2 52 15 24	1 57 1 51	1 35 1 34	10 7 10 10	1 3 3 54 1 3 3 54
S 12 M13 T 14	23 7	22 57 4	46 17 53 17 18 14 34 18 35	2 3 22	11 0 41		0 12 0 13 0 14	0 16 0 18 0 19	1 23 1 23 1 23	14 16	2 28	23 3523 3523 35	0 17 0 17 0 17	8 31 8 32 8 32	1 38 1 38 1 38	2 52 15 24 2 52 15 24 2 51 15 24	1 47 1 43 1 40	1 31	10 13 10 16 10 20	1 3 3 53 1 3 3 53 1 3 3 53
W15 T 16 F 17 S 18	23 14 23 17 23 20 23 22	6 43 1 0 7 0	38 18 56 32 19 18 19 19 39 55 20 0	1 42 21 1 34 20	16 1 27 58 1 41	22 15 22 21 22 28 22 34	0 14 0 15 0 15 0 16	0 21 0 22 0 24 0 26	1 22 1 22 1 22 1 22	14 13 14 13	2 28	23 35 23 35 23 35 23 36	0 17 0 17 0 17 0 17	8 33 8 33 8 34	1 38 1 38 1 38 1 38	2 51 15 23 2 51 15 23 2 51 15 23 2 51 15 23		1 27 1 26	10 23 10 26 10 29 10 33	1 3 3 52 1 3 3 52 1 3 3 52 1 3 3 52
S 19 M20 T 21	23 25	18 52 3 23 37 4	11 20 41 3 21 1	1 19 20 1 11 20 1 3 19	7 2 23 51 2 36	22 46 22 51	0 17 0 17 0 18	0 28 0 30 0 32	1 21 1 21 1 21	14 11 14 10	2 27 2 27	23 36	0 17 0 17	8 35 8 35	1 39 1 39 1 39	2 51 15 23 2 51 15 22 2 51 15 22	1 36 1 33	1 22 1 21	10 36 10 39 10 42	1 3 3 51 1 3 3 51 1 3 3 51
W22 T 23 F 24 S 25	23 25 23 25	28 21 4 27 55 4	40 21 20 58 21 39 57 21 56 39 22 13	0 48 19 0 40 19	21 3 0 8 3 11	22 57 23 2 23 7 23 12	0 19 0 19 0 20 0 20	0 34 0 36 0 38 0 40	1 20 1 20 1 20 1 20	14 9 14 9	2 26 2 26	23 36 23 36 23 36 23 36	0 17 0 17	8 36 8 36	1 39 1 39 1 39 1 39	2 51 15 22 2 51 15 22 2 51 15 21 2 51 15 21		1 19 1 17	10 46 10 49 10 52 10 55	1 3 3 51 1 3 3 50 1 3 3 50 1 3 3 50
S 26 M27 T 28	23 22 23 20	22 11 4 17 36 3		0 24 18 0 17 18	43 3 32 32 3 41	23 16 23 21 23 25	0 21 0 22 0 22	0 43 0 45 0 47	1 19 1 19 1 19	14 8 14 7	2 25 2 25	23 36 23 37 23 37		8 37 8 37		2 52 15 21 2 52 15 21 2 52 15 20	1 10 1 7		10 59 11 2	1 4 3 49 1 4 3 49 1 4 3 49
W29 T 30 F 31	23 14 23 10 23 s 6	1 6 0	26 23 11 24 23 23 39 23 s33	0s 5 18	4 4 6	23 28 23 32 23 s35	0 23 0 24 0 s24	0 50 0 53 0n55	1 18		2 24	23 37 23 37 23n37	0 17 0 17 0n17	8 38	1 39 1 39 1n39	2 52 15 20 2 52 15 20 2n52 15 s20	1 3	1 10	11 8 11 11 11n15	1 4 3 49 1 5 3 48 1n 5 3n48

Julian Day Number = 2494612.5, Delta T = 102.13 sec Ecliptic obliquity = $23^{\circ}25'35$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}23'16$, Lahiri = $25^{\circ}30'17$