

Astrodienst Ephemeris Tables for the year 2145

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 2145 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ф(并	В	S.	v	Ç	ę,	Day
F 1	6 43 22	10 3 41'01	11 ° 5	5 云 23	24≈51	27) 58	6°R50	12 ° 37	13 M 8	23 × ⁷ 36	15°R46	21°D11	20 ♀ 36	13814	20 m 43	F 1
S 2	6 47 18	11°42'10	22°59	6°58	25°34	28°39	6 Ω 43	12°39	13°10	23°38	15 Ⅱ 45	21°R11	20°32	13°21	20°43	S 2
S 3	6 51 15	12°43'18	4846	8°33	26°17	29°21	6°36	12°41	13°12	23°40	15°44	21 ≙ 10	20°29	13°28	20°44	S 3
M 4	6 55 11	13°44'26	16°34	10° 8	26°58	0 Υ 2	6°29	12°44	13°15	23°42	15°43	21° 8	20°26	13°34	20°R44	M 4
T 5	6 59 8	14°45'34	28°26	11°43	27°38	0°43	6°22	12°46	13°17	23°44	15°42	21° 3	20°23	13°41	20°44	T 5
W 6	7 3 4	15°46'42	10Ⅲ27	13°19	28°17	1°25	6°15	12°48	13°19	23°47	15°41	20°55	20°20	13°48	20°43	W 6
T 7	7 7 1	16°47'50	22°39	14°56	28°54	2° 6	6° 8	12°51	13°21	23°49	15°40	20°44	20°17	13°54	20°43	T 7
F 8	7 10 57	17°48'58	5 95 5	16°32	29°30	2°47	6° 1	12°53	13°24	23°51	15°39	20°31	20°13	14° 1	20°43	F 8
S 9	7 14 54	18°50'06	17°44	18° 9	0 米 5	3°29	5°54	12°56	13°26	23°53	15°38	20°17	20°10	14° 8	20°42	S 9
S 10	7 18 51	19°51'13	0 Ω 38	19°47	0°38	4°10	5°46	12°58	13°28	23°55	15°37	20° 3	20° 7	14°14	20°41	S 10
M11	7 22 47	20°52'20	13°45	21°25	1°10	4°52	5°39	13° 1	13°30	23°57	15°36	19°50	20° 4	14°21	20°41	M11
T 12	7 26 44	21°53'27	27° 2	23° 3	1°40	5°33	5°31	13° 4	13°32	23°59	15°35	19°40	20° 1	14°27	20°40	T 12
W13	7 30 40	22°54'34	10 m 30	24°42	2° 9	6°14	5°23	13° 7	13°34	24° 1	15°35	19°33	19°57	14°34	20°39	W13
T 14	7 34 37	23°55'41	24° 7	26°21	2°35	6°56	5°16	13°10	13°35	24° 3	15°34	19°28	19°54	14°41	20°38	T 14
F 15	7 38 33	24°56'48	7 ≏ 52	28° 0	3° 0	7°37	5° 8	13°14	13°37	24° 5	15°33	19°27	19°51	14°47	20°36	F 15
S 16	7 42 30	25°57'55	21°46	29°40	3°24	8°19	5° 0	13°17	13°39	24° 7	15°32	19°26	19°48	14°54	20°35	S 16
S 17	7 46 26	26°59'02	5 M 49	1≈21	3°45	9° 0	4°52	13°20	13°41	24° 9	15°31	19°26	19°45	15° 1	20°34	S 17
M18	7 50 23	28° 0'09	20° 0	3° 2	4° 4	9°41	4°44	13°24	13°42	24°11	15°30	19°25	19°42	15° 7	20°32	M18
T 19	7 54 20	29° 1'15	4 √ 17	4°43	4°22	10°23	4°36	13°27	13°44	24°13	15°30	19°21	19°38	15°14	20°30	T 19
W20	7 58 16	0≈ 2'22	18°39	6°25	4°37	11° 4	4°28	13°31	13°45	24°15	15°29	19°15	19°35	15°21	20°29	W20
T 21	8 2 13	1° 3'28	3ਰ 1	8° 7	4°50	11°46	4°20	13°35	13°47	24°17	15°28	19° 5	19°32	15°27	20°27	T 21
F 22	8 6 9	2° 4'33	17°17	9°50	5° 1	12°27	4°12	13°39	13°48	24°19	15°27	18°54	19°29	15°34	20°25	F 22
S 23	8 10 6	3° 5'38	1≈22	11°32	5°10	13° 9	4° 4	13°43	13°50	24°21	15°26	18°41	19°26	15°41	20°22	S 23
S 24	8 14 2	4° 6'43	15°10	13°15	5°17	13°50	3°56	13°47	13°51	24°23	15°26	18°29	19°23	15°47	20°20	S 24
M25	8 17 59	5° 7'47	28°37	14°58	5°21	14°32	3°48	13°51	13°52	24°24	15°25	18°19	19°19	15°54	20°18	M25
T 26	8 21 56	6° 8'49	11) (41	16°41	5°R22	15°13	3°40	13°55	13°54	24°26	15°24	18°11	19°16	16° 1	20°16	T 26
W27	8 25 52	7° 9'51	24°24	18°24	5°21	15°55	3°32	14° 0	13°55	24°28	15°24	18° 5	19°13	16° 7	20°13	W27
T 28	8 29 49	8°10'52	6 Υ 46	20° 7	5°18	16°36	3°24	14° 4	13°56	24°30	15°23	18° 3	19°10	16°14	20°10	T 28
F 29	8 33 45	9°11'52	18°53	21°49	5°12	17°17	3°16	14° 9	13°57	24°32	15°22	18°D 2	19° 7	16°21	20° 8	F 29
S 30	8 37 42	10°12'50	0 8 48	23°30	5° 4	17°59	3° 8	14°13	13°58	24°33	15°22	18° 3	19° 3	16°27	20° 5	S 30
S 31	8 41 38	11≈13'48	12837	25≈11	4) €53	18 Y 40	3 N 0	14 Y 18	13 M 59	24 × 35	15 Ⅱ 21	18°R 3	19 ♀ 0	16 8 34	20 mg 2	S 31

Day	0	D	ğ	φ	ð	4	ħ)Å(并	В	ß	ນ ţ	ķ
	decl	decl lat	decl lat	t decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
F 1 S 2	22 s59 22 54			1 s17 13 s39 0 s27 1 22 13 16 0 18	1s10 0s24 0 53 0 22					12n15 10s28 12 15 10 28	8 s 1 5 8 1 5	8s 2 13n54 8 1 13 55	1s10 5s15 1 10 5 16
S 3 M 4 T 5 W 6 T 7	22 36 22 29 22 22	14 42 2 10 16 48 3 4 18 13 3 49 18 48 4 25	24 33 1 24 30 1 24 25 1 24 18 1	1 27 12 54 0 10 1 31 12 32 0 1 1 36 12 9 0n 8 1 40 11 47 0 17 1 44 11 25 0 27	0 17 0 20 0n 0 0 19 0 18 0 17 0 35 0 16	19 10 0 33 19 12 0 33 19 14 0 33 19 16 0 33	2 44 2 29 2 45 2 28 2 47 2 28 2 48 2 28	15 24 0 25 15 25 0 25 15 25 0 25 15 26 0 25	21 57 1 19 21 58 1 19 21 58 1 19 21 58 1 19	12 15 10 27 12 15 10 27	8 12 8 9 8 5	8 0 13 57 7 59 13 58 7 57 13 59 7 56 14 0 7 55 14 1	1 10 5 16 1 11 5 16 1 11 5 17 1 11 5 17 1 11 5 18
F 8 S 9	22 6	17 17 5 0	24 1 1	1 48 11 3 0 37 1 51 10 42 0 47	1 11 0 13	19 18 0 33 19 19 0 34	2 50 2 27	15 27 0 25	21 58 1 19 21 58 1 19	12 15 10 27	8 0 7 55	7 54 14 3 7 53 14 4	1 12 5 18 1 12 5 18
S 10 M11 T 12 W13 T 14 F 15 S 16	21 57 21 48 21 38 21 28 21 18 21 7 20 56	12 18 4 35 8 44 3 59 4 41 3 10 0 21 2 10 4s 3 1 1	23 38 1 23 25 1 23 9 2 22 53 2	2 3 8 57 1 43 2 5 8 37 1 54	1 46 0 11 2 3 0 10 2 21 0 9 2 38 0 7 2 56 0 6	19 25 0 34 19 28 0 34	2 53 2 27 2 54 2 27 2 56 2 26 2 57 2 26 2 59 2 26	15 28 0 25 15 29 0 25 15 29 0 25 15 30 0 26 15 30 0 26	21 58 1 19 21 58 1 19	12 15 10 26 12 16 10 26 12 16 10 26 12 16 10 26 12 16 10 26	7 37	7 51 14 5 7 50 14 6 7 49 14 7 7 48 14 9 7 47 14 10 7 45 14 11 7 44 14 12	1 12 5 19 1 12 5 19 1 12 5 19 1 12 5 19 1 11 5 20 1 11 5 20 1 11 5 20
S 17 M18 T 19 W20 T 21 F 22 S 23	20 20 20 7 19 54	15 15 2 34 17 29 3 34 18 37 4 20 18 34 4 49 17 20 5 1	_	2 6 7 39 2 32 2 6 7 21 2 44 2 5 7 3 2 58 2 4 6 46 3 11 2 3 6 29 3 25	4 22 0 0 4 39 0n 1 4 57 0 2	19 38 0 35 19 40 0 35 19 42 0 35	3 3 2 25 3 5 2 25 3 7 2 25 3 8 2 24 3 10 2 24	15 32 0 26 15 32 0 26 15 33 0 26 15 33 0 26 15 34 0 26	21 59 1 19 21 59 1 19 21 59 1 19 21 59 1 19 21 59 1 19	12 16 10 25 12 16 10 25 12 16 10 25	7 36 7 34 7 32 7 28 7 24	7 43 14 13 7 42 14 14 7 41 14 16 7 39 14 17 7 38 14 18 7 37 14 19 7 36 14 20	1 11 5 21 1 10 5 21 1 10 5 21 1 10 5 22 1 9 5 22 1 9 5 22 1 8 5 22
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	18 58 18 43 18 28 18 12 17 56 17 40	8 20 3 51 4 23 3 0 0 21 2 2 3n36 1 0 7 19 0s 4 10 41 1 8	18 9 1 17 34 1 16 58 1 16 21 1 15 43 1 15 3 1	1 58 5 58 3 52 1 54 5 43 4 6 1 50 5 29 4 20 1 46 5 16 4 35 1 40 5 4 4 49 1 35 4 53 5 3 1 28 4 43 5 18 1 \$21 4 \$33 5 \$32	5 48 0 5 6 5 0 6 6 22 0 7 6 38 0 8 6 55 0 9 7 12 0 10	19 56 0 36 19 58 0 36 20 0 0 36	3 15 2 24 3 17 2 23 3 19 2 23 3 21 2 23 3 23 2 23 3 25 2 22	15 35 0 26 15 35 0 26 15 36 0 26 15 36 0 26 15 36 0 26 15 36 0 26	21 59 1 19 21 59 1 19	12 17 10 23 12 17 10 23	7 10 7 7 7 5 7 4 7 4 7 4	7 35 14 21 7 33 14 22 7 32 14 24 7 31 14 25 7 30 14 26 7 29 14 27 7 27 14 28 7 s26 14n29	1 7 5 23 1 7 5 23 1 6 5 23 1 5 5 23 1 4 5 24 1 3 5 24 1 2 5 24 1 8 2 5 824

Julian Day Number = 2504505.5, Delta T = 118.30 sec Ecliptic obliquity = 23°25'04, Nutation = $0^{\circ}00'07$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}45'59$, Lahiri = $25^{\circ}53'00$

00:00 UT FEBRUARY 2145

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	В	ß	Ω	ţ	ę,	Day
M 1	8 45 35	12≈14'44	24826	26≈50	4°R40	19 Y 22	2°R52	14 Y 23	14 M 0	24 × 37	15°R21	18°R 2	18 ≏ 57	16841	19°R59	M 1
T 2	8 49 31	13°15'39	6 Ⅱ 20	28°28	4) (24	20° 3	2 Ω 44	14°28	14° 1	24°38	15Ⅲ20	17 ≏ 59	18°54	16°47	19 m /56	T 2
W 3	8 53 28	14°16'33	18°23	0 ∀ 4	4° 5	20°44	2°37	14°32	14° 2	24°40	15°20	17°54	18°51	16°54	19°53	W 3
T 4	8 57 24	15°17'26	09୍ଦ41	1°37	3°45	21°26	2°29	14°37	14° 2	24°42	15°19	17°46	18°48	17° 1	19°49	T 4
F 5	9 1 21	16°18'17	13°15	3° 7	3°22	22° 7	2°21	14°42	14° 3	24°43	15°19	17°36	18°44	17° 7	19°46	F 5
S 6	9 5 18	17°19'07	26° 8	4°34	2°56	22°48	2°14	14°48	14° 4	24°45	15°18	17°26	18°41	17°14	19°43	S 6
S 7	9 9 14	18°19'56	9 Ω 19	5°57	2°29	23°30	2° 6	14°53	14° 4	24°46	15°18	17°15	18°38	17°21	19°39	S 7
M 8	9 13 11	19°20'44	22°48	7°15	2° 0	24°11	1°59	14°58	14° 5	24°48	15°17	17° 5	18°35	17°27	19°36	M 8
T 9	9 17 7	20°21'30	6 m 31	8°28	1°29	24°52	1°52	15° 3	14° 5	24°49	15°17	16°57	18°32	17°34	19°32	T 9
W10	9 21 4	21°22'16	20°25	9°34	0°56	25°34	1°44	15° 9	14° 6	24°51	15°16	16°51	18°28	17°41	19°28	W10
T 11	9 25 0	22°23'00	4 Ω 26	10°33	0°22	26°15	1°37	15°14	14° 6	24°52	15°16	16°48	18°25	17°47	19°24	T 11
F 12	9 28 57	23°23'43	18°32	11°25	29≈47	26°56	1°30	15°20	14° 6	24°54	15°16	16°D48	18°22	17°54	19°20	F 12
S 13	9 32 53	24°24'25	2 M 40	12° 8	29°11	27°37	1°23	15°26	14° 6	24°55	15°15	16°48	18°19	18° 1	19°16	S 13
S 14	9 36 50	25°25'06	16°48	12°42	28°34	28°19	1°17	15°31	14° 7	24°56	15°15	16°49	18°16	18° 7	19°12	S 14
M15	9 40 47	26°25'47	0 ∡ 756	13° 6	27°57	29° 0	1°10	15°37	14° 7	24°58	15°15	16°R49	18°13	18°14	19°8	M15
T 16	9 44 43	27°26'26	15° 0	13°20	27°19	29°41	1° 3	15°43	14° 7	24°59	15°14	16°48	18° 9	18°21	19° 4	T 16
W17	9 48 40	28°27'04	29° 2	13°R23	26°42	0 8 22	0°57	15°49	14°R 7	25° 0	15°14	16°44	18° 6	18°27	19° 0	W17
T 18	9 52 36	29°27'41	12 る 57	13°16	26° 5	1° 3	0°51	15°55	14° 7	25° 1	15°14	16°39	18° 3	18°34	18°56	T 18
F 19	9 56 33	0 ∺ 28'16	26°45	12°59	25°29	1°44	0°44	16° 1	14° 7	25° 3	15°14	16°31	18° 0	18°41	18°51	F 19
S 20	10 0 29	1°28'50	10≈21	12°32	24°53	2°25	0°38	16° 7	14° 7	25° 4	15°14	16°23	17°57	18°47	18°47	S 20
S 21	10 4 26	2°29'23	23°45	11°55	24°19	3° 7	0°32	16°13	14° 6	25° 5	15°13	16°16	17°54	18°54	18°43	S 21
M22	10 8 22	3°29'54	6) €52	11°10	23°46	3°48	0°27	16°19	14° 6	25° 6	15°13	16° 9	17°50	19° 1	18°38	M22
T 23	10 12 19	4°30'24	19°43	10°18	23°14	4°29	0°21	16°26	14° 6	25° 7	15°13	16° 4	17°47	19° 7	18°34	T 23
W24	10 16 16	5°30'52	2 Υ 16	9°20	22°44	5°10	0°16	16°32	14° 5	25° 8	15°13	16° 1	17°44	19°14	18°29	W24
T 25	10 20 12	6°31'18	14°34	8°18	22°16	5°51	0°10	16°38	14° 5	25° 9	15°13	16°D 0	17°41	19°21	18°25	T 25
F 26	10 24 9	7°31'43	26°39	7°13	21°50	6°32	0° 5	16°45	14° 5	25°10	15°13	16° 0	17°38	19°27	18°20	F 26
S 27	10 28 5	8°32'05	8 8 35	6° 7	21°26	7°13	0° 0	16°51	14° 4	25°11	15°13	16° 2	17°34	19°34	18°15	S 27
S 28	10 32 2	9 ∺ 32'26	20824	5 ₩ 2	21≈ 4	7 8 54	29956	16 Y 58	14 M 3	25 × 12	15°D13	16 ♀ 3	17 ≏ 31	19 8 41	18 M 11	S 28

Day	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	n	v	ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
M 1			13 s42 1 s13			20n 6 0n37				12n18 10s22	7s 4		14n30	1 s 1 5 s 2 4
T 2	16 49	17 36 3 48		4 18 6 0	8 2 0 13		3 31 2 22		21 59 1 19		7 3		14 31	0 59 5 24
W 3	16 32	18 30 4 25	12 17 0 54	4 11 6 14	8 18 0 14	20 9 0 37	3 33 2 22	15 37 0 26	21 59 1 19	12 18 10 22	7 1	7 23	14 33	0 58 5 25
T 4	16 14	18 34 4 51	11 34 0 44	4 6 6 27	8 35 0 15	20 11 0 37	3 35 2 21	15 38 0 26	21 59 1 19	12 19 10 21	6 58	7 21	14 34	0 57 5 25
F 5	15 56	17 44 5 3	10 51 0 32	4 2 6 40	8 51 0 16	20 13 0 37	3 37 2 21	15 38 0 26	22 0 1 19	12 19 10 21	6 54	7 20	14 35	0 56 5 25
S 6	15 38	15 59 5 1	10 8 0 20	3 59 6 53	9 7 0 16	20 15 0 37	3 39 2 21	15 38 0 26	22 0 1 19	12 19 10 21	6 50	7 19	14 36	0 55 5 25
S 7	15 19	13 22 4 42	9 26 0 8	3 57 7 5	9 23 0 17	20 17 0 37	3 42 2 21	15 38 0 26	22 0 1 19	12 19 10 21	6 46	7 18	14 37	0 54 5 25
M 8	15 0	10 0 4 8	8 45 0n 6	3 57 7 17	9 39 0 18	20 18 0 37	3 44 2 21	15 38 0 26	22 0 1 19	12 19 10 20	6 42	7 17	14 38	0 52 5 25
T 9	14 41	6 2 3 18	8 5 0 20	3 57 7 28	9 55 0 19	20 20 0 37	3 46 2 20	15 38 0 26	22 0 1 19	12 20 10 20	6 39	7 15	14 39	0 51 5 25
W10	14 22	1 42 2 17	7 26 0 35	3 59 7 39	10 11 0 20	20 22 0 38	3 48 2 20	15 39 0 26	22 0 1 19	12 20 10 20	6 37	7 14	14 40	0 50 5 25
T 11	14 2	2 s 4 6 1 6	6 49 0 50	4 1 7 48	10 27 0 21	20 24 0 38	3 51 2 20	15 39 0 26	22 0 1 19	12 20 10 20	6 36	7 13	14 41	0 48 5 26
F 12	13 43	7 7 0n 9	6 15 1 6	4 5 7 57	10 43 0 22	20 25 0 38	3 53 2 20	15 39 0 26	22 0 1 20	12 20 10 19	6 36	7 12	14 43	0 47 5 26
S 13	13 22	11 4 1 24	5 44 1 22	4 10 8 5	10 58 0 23	20 27 0 38	3 55 2 20	15 39 0 26	22 0 1 20	12 20 10 19	6 36	7 10	14 44	0 45 5 26
S 14	13 2	14 23 2 34	5 16 1 39	4 15 8 12	11 14 0 23	20 28 0 38	3 58 2 19	15 39 0 26	22 0 1 20	12 21 10 19	6 36	7 9	14 45	0 44 5 26
M15	12 42	16 49 3 35	4 52 1 55	4 22 8 19	11 29 0 24	20 30 0 38	4 0 2 19	15 39 0 26	22 0 1 20	12 21 10 19	6 36	7 8	14 46	0 42 5 26
T 16	12 21	18 14 4 22	4 32 2 11	4 29 8 24	11 44 0 25	20 31 0 38	4 2 2 19	15 39 0 26	22 0 1 20	12 21 10 18	6 36	7 7	14 47	0 41 5 26
W17	12 0	18 31 4 53	4 16 2 26	4 37 8 29	12 0 0 26	20 33 0 38	4 5 2 19	15 39 0 26	22 0 1 20	12 21 10 18	6 34	7 6	14 48	0 39 5 26
T 18	11 39	17 41 5 7	4 5 2 41	4 46 8 32	12 15 0 27	20 34 0 38	4 7 2 19	15 39 0 26	22 0 1 20	12 22 10 18	6 32	7 4	14 49	0 37 5 26
F 19	11 18	15 50 5 3	3 59 2 55	4 56 8 34	12 30 0 27	20 36 0 38	4 10 2 19	15 39 0 26	22 0 1 20	12 22 10 18	6 29	7 3	14 50	0 36 5 26
S 20	10 56	13 6 4 42	3 58 3 7	5 6 8 36	12 45 0 28	20 37 0 38	4 12 2 18	15 39 0 26	22 0 1 20	12 22 10 17	6 26	7 2	14 51	0 34 5 26
S 21	10 35	9 44 4 5	4 2 3 18	5 16 8 37	12 59 0 29	20 38 0 38	4 15 2 18	15 39 0 26	22 0 1 20	12 22 10 17	6 23	7 1	14 52	0 32 5 26
M22	10 13	5 57 3 16	4 10 3 27	5 27 8 36	13 14 0 30	20 40 0 38	4 17 2 18	15 39 0 26	22 0 1 20	12 23 10 17	6 21	7 0	14 53	0 30 5 26
T 23	9 51	1 57 2 18	4 23 3 34	5 39 8 35	13 29 0 30	20 41 0 38	4 20 2 18	15 38 0 26	22 0 1 20	12 23 10 17	6 19	6 58	14 54	0 28 5 25
W24	9 29	2n 2 1 14	4 40 3 39	5 50 8 33	13 43 0 31	20 42 0 38	4 22 2 18	15 38 0 26	22 0 1 20	12 23 10 16	6 18	6 57	14 55	0 27 5 25
T 25	9 7	5 52 0 8	5 1 3 42	6 2 8 30	13 57 0 32	20 43 0 38	4 25 2 18	15 38 0 26	22 0 1 20	12 23 10 16	6 17	6 56	14 57	0 25 5 25
F 26	8 44	9 22 0s58	5 24 3 43	6 14 8 26	14 12 0 32	20 44 0 38	4 27 2 18	15 38 0 26	22 0 1 20	12 24 10 16	6 17	6 55	14 58	0 23 5 25
S 27	8 22	12 27 2 0	5 50 3 41	6 25 8 21		20 45 0 38	4 30 2 17	15 38 0 26	22 0 1 20	12 24 10 16	6 18	6 54	14 59	0 21 5 25
S 28	7 s59	15n 0 2s57	6s17 3n37	6s37 8n16	14n40 0n34	20n46 0n38	4n33 2s17	15 s38 0n26	22s 0 1n20	12n24 10s15	6s19	6 s52	15n 0	0s19 5s25

Julian Day Number = 2504536.5, Delta T = 118.35 sec Ecliptic obliquity = $23^{\circ}25'05$, Nutation = $0^{\circ}00'07$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'03$, Lahiri = $25^{\circ}53'04$

MARCH 2145 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ [™]	24	ħ)∤(并	В	n	Ω	Ç	ķ	Day
M 1	10 35 58	10 ¥ 32'45	2П14	4°R 0	20°R44	8 8 35	29°R51	17 Y 4	14°R 3	25 × 13	15 I I13	16₽ 5	17 Ω 28	19847	18°R 6	M 1
T 2	10 39 55	11°33'01	14° 7	3 ∺ 0	20≈27	9°16	299547	17°11	14M 2	25°14	15°13	16°R 5	17°25	19°54	18 mp 1	T 2
W 3	10 43 51	12°33'16	26°11	2° 6	20°12	9°57	29°42	17°18	14° 1	25°15	15°13	16° 4	17°22	20° 1	17°57	W 3
T 4	10 47 48	13°33'29	89528	1°17	19°59	10°37	29°38	17°24	14° 1	25°15	15°13	16° 1	17°19	20° 7	17°52	T 4
F 5	10 51 45	14°33'40	21° 5	0°34	19°49	11°18	29°34	17°31	14° 0	25°16	15°13	15°58	17°15	20°14	17°47	F 5
S 6	10 55 41	15°33'49	4 Ω 2	29≈57	19°42	11°59	29°31	17°38	13°59	25°17	15°13	15°53	17°12	20°21	17°42	S 6
S 7	10 59 38	16°33'55	17°22	29°28	19°37	12°40	29°27	17°45	13°58	25°18	15°14	15°48	17° 9	20°27	17°38	S 7
M 8	11 3 34	17°34'00	1 Mp 5	29° 5	19°34	13°21	29°24	17°52	13°57	25°18	15°14	15°44	17° 6	20°34	17°33	M 8
T 9	11 731	18°34'03	15° 8	28°49	19°D34	14° 1	29°20	17°58	13°56	25°19	15°14	15°40	17° 3	20°41	17°28	T 9
W10	11 11 27	19°34'04	29°27	28°40	19°36	14°42	29°17	18° 5	13°55	25°20	15°14	15°38	16°59	20°47	17°23	W10
T 11	11 15 24	20°34'03	13 ≏ 56	28°D38	19°41	15°23	29°15	18°12	13°54	25°20	15°14	15°D37	16°56	20°54	17°19	T 11
F 12	11 19 20	21°34'00	28°30	28°42	19°48	16° 3	29°12	18°19	13°53	25°21	15°15	15°38	16°53	21° 1	17°14	F 12
S 13	11 23 17	22°33'56	13 M 3	28°52	19°57	16°44	29°10	18°26	13°51	25°21	15°15	15°39	16°50	21° 7	17° 9	S 13
S 14	11 27 13	23°33'50	27°30	29° 7	20° 8	17°25	29° 7	18°34	13°50	25°22	15°15	15°40	16°47	21°14	17° 4	S 14
M15	11 31 10	24°33'42	11 ∡ 148	29°28	20°22	18° 5	29° 5	18°41	13°49	25°22	15°16	15°41	16°44	21°21	17° 0	M15
T 16	11 35 7	25°33'33	25°55	29°54	20°38	18°46	29° 3	18°48	13°47	25°22	15°16	15°R42	16°40	21°27	16°55	T 16
W17	11 39 3	26°33'22	9 국 48	0) €24	20°55	19°26	29° 2	18°55	13°46	25°23	15°16	15°41	16°37	21°34	16°50	W17
T 18	11 43 0	27°33'10	23°27	0°59	21°15	20° 7	29° 0	19° 2	13°44	25°23	15°17	15°40	16°34	21°41	16°46	T 18
F 19	11 46 56	28°32'56	6≈53	1°38	21°36	20°47	28°59	19°10	13°43	25°23	15°17	15°38	16°31	21°47	16°41	F 19
S 20	11 50 53	29°32'40	20° 5	2°21	22° 0	21°28	28°58	19°17	13°41	25°24	15°18	15°35	16°28	21°54	16°36	S 20
S 21	11 54 49	0 Υ 32'22	3 ∺ 2	3° 8	22°25	22° 8	28°57	19°24	13°40	25°24	15°18	15°33	16°25	22° 1	16°32	S 21
M22	11 58 46	1°32'02	15°47	3°58	22°51	22°49	28°56	19°31	13°38	25°24	15°19	15°31	16°21	22° 7	16°27	M22
T 23	12 2 42	2°31'41	28°18	4°51	23°19	23°29	28°56	19°39	13°37	25°24	15°19	15°30	16°18	22°14	16°23	T 23
W24	12 6 39	3°31'17	10 Y 38	5°48	23°49	24°10	28°55	19°46	13°35	25°24	15°20	15°D29	16°15	22°21	16°18	W24
T 25	12 10 36	4°30'52	22°46	6°47	24°21	24°50	28°D55	19°54	13°33	25°25	15°20	15°29	16°12	22°27	16°14	T 25
F 26	12 14 32	5°30'24	4846	7°49	24°53	25°30	28°55	20° 1	13°31	25°25	15°21	15°30	16° 9	22°34	16°10	F 26
S 27	12 18 29	6°29'54	16°39	8°53	25°27	26°11	28°56	20° 9	13°29	25°R25	15°21	15°31	16° 5	22°41	16° 5	S 27
S 28	12 22 25	7°29'22	28°28	10° 0	26° 3	26°51	28°56	20°16	13°28	25°25	15°22	15°32	16° 2	22°47	16° 1	S 28
M29	12 26 22	8°28'48	10 Ⅱ 18	11° 9	26°40	27°31	28°57	20°23	13°26	25°25	15°22	15°33	15°59	22°54	15°57	M29
T 30	12 30 18	9°28'11	22°11	12°20	27°17	28°11	28°58	20°31	13°24	25°25	15°23	15°33	15°56	23° 1	15°53	T 30
W31	12 34 15	10 Y 27'33	49514	13 米 33	27≈57	28 8 52	28959	20 Y 38	13 M 22	25 ₹ 24	15 Ⅱ 24	15 ≏ 33	15 ≏ 53	238 7	15 m /49	W31

Day	0	D	ğ	·	ď	4	ħ	ì.	اړ((¥	Р	n	v	Ç	ķ
	decl	decl lat	decl lat	decl lat d	ecl lat	decl lat	decl	lat	decl	lat	decl lat	decl lat	decl	decl	decl	decl lat
M 1 T 2	7 s36 7 14	16n54 3s46		6s49 8n10 14n 7 0 8 3 15		20n47 0n3			15 s37 15 37	0n26 0 26	22s 0 1n20 22 0 1 20		6s19 6 19		15n 1 15 2	0s17 5s25 0 15 5 25
W 3		18 28 4 54			21 0 36	20 49 0 3		2 17	15 37	0 26	22 0 1 20	12 25 10 15	6 19		15 3	0 13 5 24
T 4 F 5	6 28 6 4	17 59 5 10 16 38 5 12		, , , , , , , , , , , , , , , , , ,		5 20 50 0 3 7 20 51 0 3			15 37 15 36	0 26 0 26			6 18 6 16		15 4 15 5	0 11 5 24 0 9 5 24
S 6	5 41	14 25 4 57	8 59 2 40	7 44 7 32 16	1 0 38	20 52 0 3	39 4 49	2 17	15 36	0 26	22 0 1 20	12 26 10 14	6 15	6 45	15 6	0 7 5 24
S 7 M 8	4 55	11 22 4 27 7 38 3 41	9 43 2 12	8 3 7 14 16	27 0 39	3 20 53 0 3 20 53 0 3	39 4 54	2 16		0 26 0 26	22 0 1 20	12 26 10 13	6 13 6 11		15 8	0 5 5 24 0 3 5 23
T 9 W10	4 31 4 8	3 24 2 40 1s 7 1 28				20 54 0 3				0 26 0 26			6 10 6 9	6 41 6 40	15 9 15 10	0 1 5 23 0n 1 5 23
T 11 F 12 S 13	3 44 3 20 2 57		10 32 1 30 10 44 1 16 10 53 1 2	8 36 6 36 17			39 5 5	2 16		0 26 0 26 0 26	22 0 1 21	12 27 10 12	6 9 6 9 6 9	6 38	15 11 15 12 15 13	0 3 5 22 0 6 5 22 0 8 5 22
S 14		16 10 3 31				20 57 0 3		-	15 33	0 26			6 10		15 14	0 10 5 21
M15 T 16	1 46	17 51 4 22 18 24 4 57	11 9 0 22	9 0 5 54 18	5 0 44	20 58 0 3	39 5 16		15 33	0 26 0 26	22 0 1 21	12 29 10 11	6 10 6 10	6 34 6 33	15 16	0 12 5 21 0 14 5 21
W17 T 18	0 58	17 50 5 14 16 15 5 13	11 9 0s 3	9 8 5 34 18	28 0 45	20 58 0 3	39 5 22	2 15	15 32	0 26 0 26	22 0 1 21	12 29 10 11	6 10		15 18	0 16 5 20 0 18 5 20
F 19 S 20		13 47 4 54 10 39 4 21				5 20 59 0 3 5 20 59 0 3			15 31 15 31	0 26 0 26			6 9 6 8		15 19 15 20	0 20 5 20 0 23 5 19
S 21 M22	0n13 0 37	7 3 3 34 3 11 2 37	10 55 0 37 10 47 0 47			20 59 0 3 20 59 0 3			15 30 15 30		21 59 1 21 21 59 1 21		6 7 6 6		15 21 15 22	0 25 5 19 0 27 5 18
T 23 W24	1 0 1 24	0n46 1 34 4 37 0 27				20 59 0 3 20 59 0 3		-	15 29 15 29		21 59 1 21 21 59 1 21		6 6		15 23 15 24	0 29 5 18 0 31 5 18
T 25	1 48	8 14 0s40		9 17 4 21 19	44 0 48	20 59 0 3	39 5 41		15 28		21 59 1 21		6 6	6 22	15 25	0 31 5 18
F 26 S 27		11 27 1 45 14 10 2 45				20 59 0 3		-	15 28 15 27		21 59 1 21 21 59 1 21		6 6 6 6	6 21 6 19	15 26 15 27	0 35 5 17 0 37 5 16
S 28 M29		16 17 3 37 17 41 4 20				20 59 0 3			15 27 15 26		21 59 1 21 21 59 1 21		6 6 7	6 18 6 17		0 40 5 16 0 42 5 15
T 30 W31	3 45	18 20 4 52 18n10 5s12	8 39 1 52	9 5 3 31 20	34 0 51	20 59 0 3 20n59 0n3	39 5 56	2 15	15 25 15 s25	0 26	21 59 1 21 21 59 1 121 21 s59 1n21	12 33 10 8	6 7 6s 7	6 16 6 s15	15 30	0 44 5 15 0n46 5s14

Julian Day Number = 2504564.5, Delta T = 118.40 sec Ecliptic obliquity = 23°25'05, Nutation = 0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'07$, Lahiri = $25^{\circ}53'08$

APRIL 2145 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	ð	4	ħ)Å(并	Р	₽.	v	Ç	, k	Day
T 1	12 38 11	11 Y 26'52	16929	14) (49	28≈37	29 8 32	2999 0	20 Υ 46	13°R20	25°R24	15 Ⅱ 24	15°R33	15 ♀ 50	23814	15°R45	T 1
F 2	12 42 8	12°26'08	29° 2	16° 6	29°18	0 П 12	29° 1	20°53	13 M .18	25 × 24	15°25	15 ≏ 33	15°46	23°21	15 Mp 41	F 2
S 3	12 46 5	13°25'23	11 Q 56	17°25	0) 0	0°52	29° 3	21° 1	13°16	25°24	15°26	15°33	15°43	23°27	15°37	S 3
S 4	12 50 1	14°24'35	25°15	18°46	0°44	1°32	29° 5	21° 9	13°14	25°24	15°27	15°33	15°40	23°34	15°33	S 4
M 5	12 53 58	15°23'44	9 mb 0	20° 8	1°28	2°12	29° 7	21°16	13°11	25°23	15°27	15°D33	15°37	23°41	15°29	M 5
T 6	12 57 54	16°22'52	23°10	21°33	2°13	2°52	29° 9	21°24	13° 9	25°23	15°28	15°33	15°34	23°47	15°25	T 6
W 7	13 1 51	17°21'57	7 - 42	22°59	2°59	3°32	29°11	21°31	13° 7	25°23	15°29	15°R33	15°31	23°54	15°22	W 7
T 8	13 5 47	18°21'00	22°31	24°27	3°46	4°12	29°14	21°39	13° 5	25°22	15°30	15°33	15°27	24° 1	15°18	T 8
F 9	13 9 44	19°20'02	7 M 29	25°56	4°34	4°52	29°16	21°46	13° 3	25°22	15°31	15°33	15°24	24° 7	15°15	F 9
S 10	13 13 40	20°19'01	22°28	27°27	5°23	5°32	29°19	21°54	13° 0	25°22	15°31	15°32	15°21	24°14	15°12	S 10
S 11	13 17 37	21°17'59	7 ₹ 20	28°59	6°12	6°12	29°22	22° 2	12°58	25°21	15°32	15°32	15°18	24°21	15° 8	S 11
M12	13 21 34	22°16'54	21°58	0 Υ 34	7° 2	6°52	29°26	22° 9	12°56	25°21	15°33	15°31	15°15	24°27	15° 5	M12
T 13	13 25 30	23°15'49	6 ට 17	2° 9	7°53	7°32	29°29	22°17	12°53	25°20	15°34	15°31	15°11	24°34	15° 2	T 13
W14	13 29 27	24°14'41	20°15	3°46	8°44	8°12	29°33	22°24	12°51	25°20	15°35	15°D30	15° 8	24°41	14°59	W14
T 15	13 33 23	25°13'32	3≈51	5°25	9°37	8°52	29°36	22°32	12°49	25°19	15°36	15°30	15° 5	24°47	14°56	T 15
F 16	13 37 20	26°12'21	17° 6	7° 6	10°29	9°31	29°40	22°40	12°46	25°18	15°37	15°31	15° 2	24°54	14°53	F 16
S 17	13 41 16	27°11'08	0 ∺ 2	8°48	11°23	10°11	29°44	22°47	12°44	25°18	15°38	15°32	14°59	25° 1	14°50	S 17
S 18	13 45 13	28° 9'54	12°42	10°31	12°17	10°51	29°49	22°55	12°41	25°17	15°39	15°33	14°56	25° 7	14°48	S 18
M19	13 49 9	29° 8'37	25° 8	12°16	13°11	11°31	29°53	23° 2	12°39	25°16	15°40	15°34	14°52	25°14	14°45	M19
T 20	13 53 6	0 8 7'19	7 Υ 22	14° 3	14° 6	12°10	29°58	23°10	12°37	25°16	15°41	15°35	14°49	25°21	14°43	T 20
W21	13 57 2	1° 5'59	19°28	15°51	15° 2	12°50	0Ω 2	23°17	12°34	25°15	15°42	15°R35	14°46	25°28	14°40	W21
T 22	14 0 59	2° 4'37	1826	17°41	15°58	13°30	0° 7	23°25	12°32	25°14	15°43	15°34	14°43	25°34	14°38	T 22
F 23	14 4 56	3° 3'14	13°19	19°33	16°54	14° 9	0°12	23°32	12°29	25°13	15°44	15°33	14°40	25°41	14°36	F 23
S 24	14 8 52	4° 1'48	25°10	21°26	17°51	14°49	0°18	23°40	12°27	25°13	15°45	15°30	14°36	25°48	14°34	S 24
S 25	14 12 49	5° 0'21	6 II 59	23°20	18°49	15°28	0°23	23°47	12°24	25°12	15°46	15°27	14°33	25°54	14°32	S 25
M26	14 16 45	5°58'51	18°50	25°17	19°46	16° 8	0°29	23°55	12°22	25°11	15°47	15°24	14°30	26° 1	14°30	M26
T 27	14 20 42	6°57'20	0 ୭ 45	27°15	20°45	16°47	0°34	24° 2	12°19	25°10	15°48	15°21	14°27	26° 8	14°28	T 27
W28	14 24 38	7°55'46	12°48	29°14	21°43	17°27	0°40	24°10	12°17	25° 9	15°49	15°18	14°24	26°14	14°27	W28
T 29	14 28 35	8°54'10	25° 2	1815	22°42	18° 6	0°46	24°17	12°14	25° 8	15°50	15°16	14°21	26°21	14°25	T 29
F 30	14 32 31	9 8 52'32	7Ω 32	3 8 18	23) (42	18 Ⅱ 46	0 Ω 52	24 Y 25	12 M .11	25 ×7 7	15 Ⅱ 52	15°D15	14 ₽ 17	26 8 28	14 Mp 24	F 30

Day	0	D	ğ	φ	♂	4	ħ)Å(并	Р	ก	U	Ç	ę,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
T 1 F 2 S 3	4n31 4 55 5 18		7s53 2s 4 7 27 2 8 7 0 2 13		21 1 0 52	20n58 0n39 20 58 0 39 20 58 0 39	6 4 2 15	15 24 0 27	21 s59 1 n21 21 59 1 21 21 59 1 21	12 34 10 7	6s 7 6 7 6 7	6s13 6 12 6 11	15n32 15 33 15 34	0n48 5 s 13 0 50 5 13 0 52 5 12
S 4 M 5 T 6 W 7 T 8	5 41 6 3 6 26 6 49 7 11	9 15 4 5 5 15 3 10 0 51 2 1 3 s43 0 43 8 9 0n39	6 32 2 17 6 3 2 20 5 33 2 23 5 1 2 26 4 28 2 28	8 15 2 18		20 56 0 38	6 13 2 14 6 15 2 14 6 18 2 14	15 22 0 27 15 21 0 27 15 20 0 27	21 59 1 21 21 59 1 21 21 59 1 21 21 59 1 22 21 59 1 22	12 35 10 6 12 35 10 6 12 35 10 6	6 7 6 7 6 7 6 7 6 7	6 10 6 8 6 7 6 6 6 5	15 35 15 36 15 37 15 38 15 39	0 54 5 12 0 56 5 11 0 58 5 11 1 0 5 10 1 2 5 9
F 9 S 10	7 34 7 56	12 7 1 59	3 54 2 29 3 19 2 30		21 59 0 55	20 55 0 38 20 54 0 38	6 24 2 14	15 19 0 27	21 59 1 22 21 59 1 22	12 36 10 5	6 7 6 7	6 4 6 2	15 40 15 41	1 4 5 9 1 5 5 8
S 11 M12 T 13 W14 T 15 F 16 S 17	8 18 8 40 9 2 9 24 9 45 10 6 10 28	18 3 5 13 16 41 5 16 14 23 5 1 11 24 4 31	2 5 2 31	7 15 1 28 2 7 3 1 20 2 6 50 1 13 2 6 37 1 5 2	22 21 0 56 22 28 0 56 22 35 0 57 22 42 0 57 22 48 0 57	20 53 0 38 20 53 0 38 20 52 0 38 20 51 0 38 20 50 0 38 20 50 0 38 20 49 0 38	6 32 2 14 6 35 2 14 6 38 2 14 6 41 2 14 6 44 2 14	15 17 0 27 15 16 0 27 15 16 0 27 15 15 0 27 15 14 0 27	21 59 1 22 21 59 1 22 21 58 1 22	12 37 10 5 12 37 10 5 12 37 10 4 12 38 10 4 12 38 10 4	6 7 6 6 6 6 6 6 6 6 6 7	5 56 5 55	15 41 15 42 15 43 15 44 15 45 15 46 15 47	1 7 5 8 1 9 5 7 1 11 5 6 1 13 5 6 1 14 5 5 1 16 5 4 1 18 5 4
S 18 M19 T 20 W21 T 22 F 23 S 24	-	4 8 2 52 0 14 1 51 3n37 0 45 7 17 0s21 10 36 1 27 13 29 2 27 15 46 3 22	2 1 2 20 2 45 2 16 3 30 2 12 4 16 2 8 5 3 2 3 5 50 1 57 6 38 1 51	5 41 0 37 5 5 26 0 30 5	23 6 0 58 23 12 0 59 23 17 0 59 23 23 0 59 23 28 1 0	20 48 0 38 20 47 0 38 20 46 0 38 20 45 0 38 20 44 0 38 20 43 0 38 20 41 0 38	6 52 2 14 6 55 2 14 6 57 2 15	15 12 0 27 15 11 0 27 15 11 0 27 15 11 0 27 15 10 0 27 15 9 0 27	21 58 1 22	12 39 10 3 12 39 10 3 12 39 10 3 12 40 10 3 12 40 10 3	6 7 6 7 6 8 6 8 6 7 6 7 6 6	5 51 5 50 5 49 5 48 5 46	15 51 15 52 15 52	1 19 5 3 1 21 5 2 1 23 5 1 1 24 5 1 1 26 5 0 1 27 4 59 1 29 4 59
S 25 M26 T 27 W28 T 29 F 30	13 11 13 30 13 49 14 8 14 27 14n46	18 20 5 5 17 35 5 14 16 1 5 10	7 26 1 45 8 15 1 38 9 5 1 30 9 55 1 22 10 45 1 14 11n35 1s 5	4 5 0s 2 2 3 47 0 8 2 3 29 0 14 2 3 11 0 19 2	23 42 1 0 23 46 1 1 23 50 1 1 23 54 1 1	20 40 0 38 20 39 0 38 20 38 0 38 20 37 0 38 20 35 0 38 20n34 0n38	7 8 2 15 7 11 2 15 7 14 2 15 7 16 2 15 7 19 2 15 7 n22 2s15	15 7 0 26 15 6 0 26 15 5 0 26 15 4 0 26	21 58 1 22 21 s57 1n22	12 41 10 2 12 41 10 2 12 41 10 2 12 42 10 2	6 5 6 3 6 2 6 1 6 0 6s 0	5 43 5 41 5 40 5 39	15 54 15 55 15 56 15 57 15 58 15n59	1 30 4 58 1 32 4 57 1 33 4 56 1 34 4 56 1 35 4 55 1n37 4s54

Julian Day Number = 2504595.5, Delta T = 118.46 sec Ecliptic obliquity = $23^{\circ}25'05$, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'11$, Lahiri = $25^{\circ}53'12$

MAY 2145 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(并	Р	₽.	v	Ç	Ŗ	Day
S 1	14 36 28	10850'52	20\$\Omega20\$	5 8 22	24) 41	19 Ⅱ 25	0 Ω 59	24 Y 32	12°R 9	25°R 6	15 Ⅱ 53	15 ≏ 16	14 ₽ 14	26 8 34	14°R22	S 1
S 2	14 40 25	11°49'10	3 m 33	7°27	25°41	20° 5	1° 5	24°40	12 M 6	25 × 5	15°54	15°17	14°11	26°41	14 m /21	S 2
M 3	14 44 21	12°47'26	17°10	9°33	26°42	20°44	1°12	24°47	12° 4	25° 4	15°55	15°18	14° 8	26°48	14°20	M 3
T 4	14 48 18	13°45'40	1 ≏ 16	11°41	27°43	21°23	1°19	24°54	12° 1	25° 3	15°56	15°20	14° 5	26°54	14°19	T 4
W 5	14 52 14	14°43'52	15°47	13°49	28°44	22° 3	1°25	25° 2	11°59	25° 2	15°57	15°R20	14° 2	27° 1	14°18	W 5
T 6	14 56 11	15°42'02	0 M .40	15°58	29°45	22°42	1°33	25° 9	11°56	25° 0	15°59	15°19	13°58	27° 8	14°17	T 6
F 7	15 0 7	16°40'10	15°49	18° 8	0 Υ47	23°21	1°40	25°16	11°54	24°59	16° 0	15°17	13°55	27°14	14°17	F 7
S 8	15 4 4	17°38'17	1 才 4	20°18	1°48	24° 1	1°47	25°23	11°51	24°58	16° 1	15°14	13°52	27°21	14°16	S 8
S 9	15 8 0	18°36'22	16°15	22°28	2°51	24°40	1°54	25°31	11°49	24°57	16° 2	15° 9	13°49	27°28	14°16	S 9
M10	15 11 57	19°34'25	1ਰ11	24°38	3°53	25°19	2° 2	25°38	11°46	24°56	16° 4	15° 4	13°46	27°34	14°15	M10
T 11	15 15 54	20°32'27	15°47	26°47	4°56	25°58	2°10	25°45	11°44	24°54	16° 5	15° 0	13°42	27°41	14°15	T 11
W12	15 19 50	21°30'28	29°56	28°56	5°59	26°37	2°17	25°52	11°41	24°53	16° 6	14°57	13°39	27°48	14°D15	W12
T 13	15 23 47	22°28'28	13≈37	1 II 3	7° 2	27°16	2°25	25°59	11°39	24°52	16° 7	14°55	13°36	27°54	14°15	T 13
F 14	15 27 43	23°26'26	26°52	3° 9	8° 6	27°56	2°33	26° 6	11°36	24°51	16° 9	14°D54	13°33	28° 1	14°15	F 14
S 15	15 31 40	24°24'23	9) €43	5°14	9° 9	28°35	2°42	26°13	11°34	24°49	16°10	14°55	13°30	28° 8	14°15	S 15
S 16	15 35 36	25°22'18	22°14	7°16	10°13	29°14	2°50	26°20	11°31	24°48	16°11	14°57	13°27	28°15	14°16	S 16
M17	15 39 33	26°20'12	4 Υ30	9°16	11°17	29°53	2°58	26°27	11°29	24°47	16°13	14°58	13°23	28°21	14°16	M17
T 18	15 43 29	27°18'05	16°34	11°14	12°22	0ഇ32	3° 7	26°34	11°26	24°45	16°14	14°R59	13°20	28°28	14°17	T 18
W19	15 47 26	28°15'57	28°29	13°10	13°26	1°11	3°16	26°41	11°24	24°44	16°15	14°58	13°17	28°35	14°17	W19
T 20	15 51 23	29°13'48	10821	15° 3	14°31	1°50	3°24	26°48	11°21	24°42	16°16	14°55	13°14	28°41	14°18	T 20
F 21	15 55 19	0耳11'37	22°10	16°53	15°36	2°29	3°33	26°55	11°19	24°41	16°18	14°49	13°11	28°48	14°19	F 21
S 22	15 59 16	1° 9'24	3П59	18°40	16°41	3° 8	3°42	27° 1	11°17	24°39	16°19	14°42	13° 8	28°55	14°20	S 22
S 23	16 3 12	2° 7'11	15°51	20°24	17°46	3°47	3°51	27° 8	11°14	24°38	16°20	14°34	13° 4	29° 1	14°21	S 23
M24	16 7 9	3° 4'56	27°46	22° 5	18°52	4°26	4° 0	27°15	11°12	24°37	16°22	14°25	13° 1	29° 8	14°23	M24
T 25	16 11 5	4° 2'40	99546	23°43	19°57	5° 5	4°10	27°21	11°10	24°35	16°23	14°16	12°58	29°15	14°24	T 25
W26	16 15 2	5° 0'22	21°54	25°18	21° 3	5°43	4°19	27°28	11° 8	24°34	16°25	14° 8	12°55	29°21	14°25	W26
T 27	16 18 58	5°58'03	4 Ω 12	26°49	22° 9	6°22	4°29	27°34	11° 5	24°32	16°26	14° 1	12°52	29°28	14°27	T 27
F 28	16 22 55	6°55'42	16°43	28°17	23°15	7° 1	4°38	27°41	11° 3	24°31	16°27	13°57	12°48	29°35	14°29	F 28
S 29	16 26 52	7°53'19	29°30	29°42	24°21	7°40	4°48	27°47	11° 1	24°29	16°29	13°55	12°45	29°41	14°31	S 29
S 30	16 30 48	8°50'56	12 m 37	195 4	25°28	8°19	4°58	27°54	10°59	24°27	16°30	13°D55	12°42	29°48	14°33	S 30
M31	16 34 45	9∏48'30	26Mp 6	29522	26 Y 34	8 9 58	5 Ω 8	28 Y 0	10 M 57	24 × ⁷ 26	16耳31	13 ≏ 56	12 ≏ 39	29 8 55	14 M 35	M31

Day	0	D		ğ	i	φ	I	C	<i>]</i>	2	ł	ħ)	β (,	(Р		n	Ω	Ç	ď	5
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n 4	10n37	4s18	12n25	0s56	2 s34	0 s 3 0	24n 1	1n 2	20n32	0n38	7n24	2s15	15 s 3	0n26	21 s57	1n22	12n42	10s 1	6s 0	5 s37	16n 0	1n38	4 s53
S 2	15 22	6 56	3 30	13 15	0 46	2 15	0 36	24 5	1 2	20 31	0 38	7 27	2 15	15 2	0 26	21 57	1 22	12 42	10 1	6 1	5 35	16 1	1 39	4 53
M 3	15 40	2 47	2 29	14 5	0 36	1 56	0 41			20 30	0 38	7 30	2 15	15 1	0 26	21 57	1 22	12 43	10 1	6 1	5 34	16 1	1 40	4 52
T 4	15 57			14 54	0 26	1 36		24 11		20 28	0 38	7 32	2 15			21 57	1 22	12 43		6 2	5 33		1 41	4 51
W 5	16 15			15 43	0 16	1 17		24 13		20 27	0 38	7 35	2 15			21 57	1 22	12 43		6 2	5 32		1 42	
T 6 F 7	16 32			16 31	0 6	0 57		24 16		20 25	0 38	7 37		14 59		21 57	1 22	12 43			5 30		1 43	
S 8	16 48 17 5		2 393 44	17 18 18 3	0n 5 0 16	0 36 0 16	1 0 1 4	24 18 24 20		20 23 20 22	0 38 0 38	7 40 7 42		14 58 14 58		21 57 21 57	1 22 1 22	12 44 12 44			5 29 5 28	16 5 16 6	1 44 1 45	-
						0 10																		
S 9				18 48	0 26	0n 5	1 8			20 20	0 38	7 45		14 57		21 57	1 22			5 58	5 27		1 46	
M10		-		19 30	0 37	0 26	1 12				0 38	7 48		14 56		21 57	1 22	12 45		5 56	5 25	16 7	1 47	4 46
T 11 W12	17 52 18 7			20 11 20 50	0 47 0 57	0 47 1 9	1 16			20 17	0 38 0 38	7 50 7 53		14 55 14 54		21 57 21 57	1 23 1 23	12 45 12 45		5 54 5 53	5 24 5 23		1 48 1 49	4 46 4 45
T 13	18 22		4 34		1 6	1 9	1 24			20 13	0 38	7 55		14 54		21 57	1 23	12 45	10 0 9 59	5 52	5 23 5 22		1 49	4 43
F 14	18 37			22 0	1 16	1 52		24 29		20 13	0 38	7 57		14 53		21 57	1 23	12 45	9 59	5 52	5 21	16 11	1 50	4 43
S 15	18 51			22 32	1 24	2 14		24 30		20 9	0 38	8 0		14 52		21 56	1 23		9 59	5 52		16 12	1 51	-
S 16	19 5	1 14		23 2	1 33	2 36		24 30		20 7	0 38	8 2		14 51		21 56	1 23	12 46	9 59	5 53		16 13	1 51	4 42
M17	19 19			23 28	1 40	2 58				20 5	0 38	8 5		14 51		21 56	1 23	12 46	9 59	5 54		16 13	1 52	
T 18	19 32			23 53	1 47	3 20	1 40			20 3	0 38	8 7		14 50		21 56	1 23	12 46	9 59	5 54	5 16		1 52	
W19	19 45	9 48	1 13	24 14	1 54	3 43	1 43	24 31		20 1	0 38	8 9	2 17	14 49	0 26	21 56	1 23	12 47	9 59	5 53	5 14	16 15	1 53	4 39
T 20	19 58	12 48	2 13	24 33	1 59	4 5	1 46	24 30	1 6	19 59	0 38	8 12	2 17	14 49	0 26	21 56	1 23	12 47	9 59	5 52	5 13	16 16	1 53	4 39
F 21	20 10	15 16	3 7	24 50	2 4	4 28	1 49		1 6	19 57	0 38	8 14	2 17	14 48	0 26	21 56	1 23	12 47	9 59	5 50	5 12	16 17	1 53	4 38
S 22	20 22	17 6	3 54	25 4	2 8	4 50	1 51	24 29	1 6	19 55	0 38	8 16	2 17	14 47	0 26	21 56	1 23	12 47	9 58	5 47	5 11	16 18	1 54	4 37
S 23	20 34	18 12	4 30	25 15	2 11	5 13	1 54	24 28	1 6	19 53	0 38	8 19	2 17	14 46	0 26	21 56	1 23	12 48	9 58	5 44	5 9	16 18	1 54	4 36
M24	20 45	18 30	4 54	25 24	2 14	5 35	1 56	24 27	1 7	19 51	0 38	8 21	2 17	14 46	0 26	21 56	1 23	12 48	9 58	5 41	5 8	16 19	1 54	4 35
T 25	20 56	17 58	5 6	25 31	2 15	5 58	1 58	24 26	1 7	19 49	0 38	8 23	2 17	14 45	0 26	21 56	1 23	12 48	9 58	5 37	5 7	16 20	1 55	4 35
	21 7			25 36	2 16	6 21	2 0	-	1 7		0 38	8 25		14 44		21 56	1 23	12 48	9 58	5 34	5 6	-	1 55	
	21 17			25 39	2 16	6 44	2 2	_			0 38	8 28		14 44		21 56	1 23	12 48	9 58	5 32	5 5	16 22	1 55	
				25 40	2 15	7 6	2 4		1 7		0 38	8 30		14 43		21 56	1 23	12 49	9 58	5 30	5 3		1 55	
S 29	21 36	8 16	5 35	25 39	2 14	7 29	2 6	24 19	1 7	19 40	0 38	8 32	2 18	14 42	0 26	21 55	1 23	12 49	9 58	5 29	5 2	16 23	1 55	4 31
	21 45			25 36	2 11	7 52	2 7		1 8		0 38	8 34		14 42		21 55	1 23		9 58	5 29	5 1	16 24	1 55	
M31	21n54	0n 6	1 s34	25n31	2n 8	8n14	2s 9	24n14	1n 8	19n35	0n38	8n36	2s18	14 s41	0n26	21 s55	1n23	12n49	9s58	5 s29	5s 0	16n25	1n55	4 s 3 0

Julian Day Number = 2504625.5, Delta T = 118.51 sec Ecliptic obliquity = $23^{\circ}25'04$, Nutation = $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'16$, Lahiri = $25^{\circ}53'16$

JUNE 2145 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	ß	Ω	Ç	ę,	Day
T 1	16 38 41	10 II 46'04	10₽ 0	3937	27 Y 41	9936	5 Ω 18	28 Y 6	10°R55	24°R24	16耳33	13°R56	12 ≏ 36	0 Π 2	14 m 37	T 1
W 2	16 42 38	11°43'36	24°21	4°48	28°47	10°15	5°28	28°13	10M52	24 × ⁷ 23	16°34	13 ≏ 56	12°33	0°8	14°39	W 2
T 3	16 46 34	12°41'06	9 M 5	5°56	29°54	10°54	5°38	28°19	10°50	24°21	16°36	13°54	12°29	0°15	14°41	T 3
F 4	16 50 31	13°38'36	24° 8	7° 0	18 1	11°32	5°48	28°25	10°48	24°20	16°37	13°49	12°26	0°22	14°44	F 4
S 5	16 54 27	14°36'04	9 ∡ 23	8° 1	2° 8	12°11	5°59	28°31	10°46	24°18	16°38	13°42	12°23	0°28	14°46	S 5
S 6	16 58 24	15°33'32	24°38	8°58	3°16	12°50	6° 9	28°37	10°45	24°16	16°40	13°34	12°20	0°35	14°49	S 6
M 7	17 221	16°30'58	9 ⋜ 43	9°51	4°23	13°28	6°20	28°43	10°43	24°15	16°41	13°25	12°17	0°42	14°52	M 7
T 8	17 6 17	17°28'24	24°28	10°40	5°31	14° 7	6°30	28°49	10°41	24°13	16°42	13°16	12°14	0°48	14°55	T 8
W 9	17 10 14	18°25'49	8 ≈ 46	11°25	6°38	14°46	6°41	28°55	10°39	24°12	16°44	13° 9	12°10	0°55	14°58	W 9
T 10	17 14 10	19°23'13	22°36	12° 6	7°46	15°24	6°52	29° 0	10°37	24°10	16°45	13° 4	12° 7	1° 2	15° 1	T 10
F 11	17 18 7	20°20'36	5 ₩ 55	12°43	8°54	16° 3	7° 3	29° 6	10°35	24° 8	16°47	13° 1	12° 4	1° 8	15° 4	F 11
S 12	17 22 3	21°17'59	18°48	13°16	10° 2	16°41	7°14	29°12	10°34	24° 7	16°48	13°D 0	12° 1	1°15	15° 7	S 12
S 13	17 26 0	22°15'22	1 Y 18	13°44	11°10	17°20	7°25	29°17	10°32	24° 5	16°49	13° 0	11°58	1°22	15°11	S 13
M14	17 29 56	23°12'44	13°31	14° 8	12°18	17°59	7°36	29°23	10°30	24° 4	16°51	13°R 0	11°54	1°28	15°14	M14
T 15	17 33 53	24°10'06	25°31	14°27	13°26	18°37	7°47	29°28	10°29	24° 2	16°52	13° 0	11°51	1°35	15°18	T 15
W16	17 37 50	25° 7'27	7 8 23	14°42	14°35	19°16	7°58	29°34	10°27	24° 0	16°53	12°57	11°48	1°42	15°22	W16
T 17	17 41 46	26° 4'47	19°11	14°53	15°43	19°54	8° 9	29°39	10°25	23°59	16°55	12°52	11°45	1°49	15°25	T 17
F 18	17 45 43	27° 2'07	1 II 0	14°59	16°52	20°33	8°21	29°44	10°24	23°57	16°56	12°44	11°42	1°55	15°29	F 18
S 19	17 49 39	27°59'27	12°51	15°R 0	18° 0	21°11	8°32	29°49	10°23	23°55	16°58	12°34	11°39	2° 2	15°33	S 19
S 20	17 53 36	28°56'46	24°48	14°57	19° 9	21°50	8°44	29°55	10°21	23°54	16°59	12°22	11°35	2° 9	15°38	S 20
M21	17 57 32	29°54'05	6950	14°49	20°18	22°28	8°55	29°59	10°20	23°52	17° 0	12° 8	11°32	2°15	15°42	M21
T 22	18 1 29	0951'23	19° 0	14°37	21°27	23° 6	9° 7	0 8 5	10°18	23°51	17° 2	11°55	11°29	2°22	15°46	T 22
W23	18 5 25	1°48'41	1 Ω 19	14°21	22°36	23°45	9°18	0° 9	10°17	23°49	17° 3	11°43	11°26	2°29	15°50	W23
T 24	18 9 22	2°45'58	13°47	14° 2	23°45	24°23	9°30	0°14	10°16	23°47	17° 4	11°34	11°23	2°35	15°55	T 24
F 25	18 13 19	3°43'14	26°27	13°38	24°54	25° 2	9°42	0°19	10°15	23°46	17° 6	11°27	11°20	2°42	16° 0	F 25
S 26	18 17 15	4°40'30	9 m)20	13°12	26° 3	25°40	9°54	0°24	10°14	23°44	17° 7	11°22	11°16	2°49	16° 4	S 26
S 27	18 21 12	5°37'45	22°28	12°42	27°13	26°18	10° 6	0°28	10°13	23°43	17° 8	11°21	11°13	2°55	16° 9	S 27
M28	18 25 8	6°34'59	5 ≙ 54	12°10	28°22	26°57	10°18	0°33	10°11	23°41	17°10	11°20	11°10	3° 2	16°14	M28
T 29	18 29 5	7°32'13	19°40	11°37	29°31	27°35	10°30	0°37	10°10	23°39	17°11	11°20	11° 7	3° 9	16°19	T 29
W30	18 33 1	8929'26	3 M .49	1195 2	0 Ⅱ 41	289514	10 Ω 42	0842	10 M .10	23 × ⁷ 38	17 Ⅱ 12	11 ≏ 19	11 ♀ 4	3 Ⅱ 16	16 m 24	W30

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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
T 1	22n 2	4s17	0 s21	25n25	2n 3	8n37	2s10	24n12	1n 8	19n32	0n38	8n38	2s18	14 s40	0n26	21 s55	1n23	12n49	9s58	5 s30	4 s 5 8	16n26	1n55	4 s29
W 2	22 10	8 34	0n56	25 18	1 58	8 59	2 11	24 9	1 8	19 30	0 38	8 40	2 18	14 40	0 26	21 55	1 23	12 50	9 58	5 29	4 57	16 26	1 55	4 28
T 3	22 18	12 27	2 10	25 9	1 52	9 22	2 12	24 6	1 8	19 27	0 38	8 42	2 19	14 39	0 26	21 55	1 23	12 50	9 58	5 29	4 56	16 27	1 54	4 28
F 4	22 25	15 36	3 18	25 0	1 46	9 44	2 13	24 3	1 8	19 25	0 38	8 44	2 19	14 39	0 26	21 55	1 23	12 50	9 58	5 27	4 55	16 28	1 54	4 27
S 5	22 32	17 41	4 12	24 49	1 38	10 7	2 14	24 0	1 8	19 22	0 38	8 46	2 19	14 38	0 26	21 55	1 23	12 50	9 57	5 24	4 53	16 29	1 54	4 26
S 6	22 38	18 31	4 48	24 37	1 30	10 29	2 15	23 56	1 8	19 20	0 38	8 48	2 19	14 37	0 26	21 55	1 23	12 50	9 57	5 21	4 52	16 30	1 54	4 25
M 7	22 44	18 1	5 3	24 24	1 21	10 51	2 15	23 52	1 8	19 17	0 38	8 50	2 19	14 37	0 26	21 55	1 23	12 51	9 57	5 17	4 51	16 30	1 53	4 25
T 8	22 50			24 10	1 11	11 13	2 16	23 48	1 9	19 14	0 38	8 52	2 19	14 36	0 26	21 55	1 23	12 51	9 57	5 14	4 50	16 31	1 53	4 24
W 9	22 55	13 38	4 34	23 56	1 0	11 34		23 44	1 9	19 12	0 38	8 54	2 20	14 36	0 26	21 55	1 23	12 51	9 57	5 11	4 48	16 32	1 52	4 23
T 10	23 0			23 41		11 56		23 40	1 9	-	0 38	8 56		14 35		21 55	1 23	12 51	9 57	5 9		16 33	1 52	4 22
F 11	23 4	6 29		23 25	0 37			23 36		19 6	0 38	8 58		14 35		21 55	1 23		9 57	5 8		16 33	1 51	4 22
S 12	23 8	2 30	2 5	23 9	0 24	12 39	2 17	23 31	1 9	19 4	0 38	9 0	2 20	14 34	0 26	21 55	1 23	12 51	9 57	5 8	4 45	16 34	1 51	4 21
S 13	23 11	1n28	1 2	22 53	0 10	13 0	2 17	23 26	1 9	19 1	0 38	9 1	2 20	14 34	0 26	21 54	1 23	12 51	9 57	5 8	4 43	16 35	1 50	4 20
M14	23 15	5 17	0s 3	22 36	0s 4	13 21	2 17	23 21	1 9	18 58	0 38	9 3	2 20	14 33	0 26	21 54	1 23	12 52	9 57	5 8	4 42	16 36	1 49	4 19
T 15	23 17	8 50	1 6	22 20	0 19	13 41	2 17	23 16	1 9	18 55	0 38	9 5	2 21	14 33	0 26	21 54	1 23	12 52	9 57	5 8	4 41	16 37	1 49	4 19
W16	23 20	11 59	2 6	22 3	0 34	14 2	2 16	23 11	1 9	18 52	0 38	9 7	2 21	14 32	0 26	21 54	1 23	12 52	9 57	5 7	4 40	16 37	1 48	4 18
T 17	23 22			21 46	0 49	14 22	2 16	23 5	1 9	18 49	0 38	9 8	2 21	14 32	0 26	21 54	1 23	12 52	9 57	5 5	4 38	16 38	1 47	4 17
_	23 23	16 40	3 46	21 29	1 6	14 42	2 15			18 46	0 38	9 10	2 21	14 31	0 26	21 54	1 23	12 52	9 57	5 2	4 37	16 39	1 46	4 16
S 19	23 24	17 59	4 22	21 13	1 22	15 1	2 15	22 54	1 9	18 43	0 38	9 12	2 21	14 31	0 26	21 54	1 23	12 52	9 57	4 58	4 36	16 40	1 45	4 16
S 20	23 25	18 32	4 47	20 57	1 39	15 21	2 14	22 48	1 10	18 40	0 38	9 13	2 22	14 30	0 26	21 54	1 23	12 52	9 57	4 53	4 35	16 40	1 45	4 15
M21	23 25	18 16	4 59	20 41	1 55	15 40		22 41	1 10	18 37	0 38	9 15	2 22	14 30	0 26	21 54	1 23	12 53	9 57	4 48	4 34	16 41	1 44	4 14
T 22	23 25	17 9	4 58	20 26		15 59		22 35	1 10	18 34	0 38	9 16	2 22	14 30	0 25	21 54			9 57	4 42		16 42	1 43	4 14
W23	23 24	15 14	4 43	20 11	2 28	16 17		22 29	1 10	18 31	0 38	9 18	2 22	14 29	0 25	21 54	1 23	12 53	9 57	4 38	4 31	16 42	1 42	4 13
T 24	23 23	12 36	4 15	19 57	2 45	16 35	2 10	22 22	1 10	18 28	0 38	9 19	2 22	14 29	0 25	21 54	1 23	12 53	9 57	4 34	4 30	16 43	1 40	4 12
F 25	23 22			19 44	3 0		2 9			18 25	0 38	9 21		14 29		21 54	1 23		9 57	4 31	4 29	-	1 39	4 11
S 26	23 20	5 35	2 41	19 31	3 16	17 10	2 8	22 8	1 10	18 22	0 38	9 22	2 23	14 28	0 25	21 54	1 23	12 53	9 57	4 30	4 27	16 45	1 38	4 11
S 27	23 18	1 29	1 38	19 19	3 30	17 28	2 7	22 1	1 10	18 19	0 38	9 24	2 23	14 28	0 25	21 54	1 23	12 53	9 57	4 29	4 26	16 45	1 37	4 10
M28	23 15	2 s47	0 29	19 9	3 44	17 44	2 5	21 54	1 10	18 15	0 38	9 25	2 23	14 28	0 25	21 54	1 23	12 53	9 57	4 29	4 25	16 46	1 36	4 9
T 29	23 12	7 1	0n44	18 59	3 56	18 1	2 4	21 46	1 10	18 12	0 38	9 26	2 24	14 27	0 25	21 53	1 23	12 53	9 57	4 29	4 24	16 47	1 34	4 9
W30	23n 9	10s58	1n56	18n50	4s 8	18n17	2 s 2	21n38	1n10	18n 9	0n38	9n27	2 s24	14 s27	0n25	21 s53	1n23	12n53	9 s 5 7	4 s28	4 s22	16n48	1n33	4 s 8

Julian Day Number = 2504656.5, Delta T = 118.57 sec Ecliptic obliquity = $23^{\circ}25'04$, Nutation = $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'20$, Lahiri = $25^{\circ}53'20$

JULY 2145 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)મ(并	Р	₽.	v	Ç	ķ	Day
T 1	18 36 58	9926'39	18 M .18	10°R26	1 II 50	28952	10 Ω 54	0 8 46	10°R 9	23°R36	17 I I14	11°R16	11 ♀ 0	3 П 22	16 m 29	T 1
F 2	18 40 54	10°23'51	3 √ 5	9950	3° 0	29°30	11° 6	0°50	10 M 8	23 × 35	17°15	11 ≏ 10	10°57	3°29	16°34	F 2
S 3	18 44 51	11°21'03	18° 4	9°15	4°10	0 N 8	11°18	0°54	10° 7	23°33	17°16	11° 2	10°54	3°36	16°39	S 3
S 4	18 48 48	12°18'15	3ਰ 7	8°41	5°20	0°47	11°31	0°58	10° 6	23°32	17°17	10°52	10°51	3°42	16°45	S 4
M 5	18 52 44	13°15'27	18° 4	8° 8	6°30	1°25	11°43	1° 2	10° 6	23°30	17°19	10°41	10°48	3°49	16°50	M 5
T 6	18 56 41	14°12'38	2≈45	7°38	7°40	2° 3	11°55	1° 6	10° 5	23°29	17°20	10°31	10°45	3°56	16°56	T 6
W 7	19 0 37	15° 9'50	17° 4	7°11	8°50	2°42	12° 8	1°10	10° 4	23°27	17°21	10°22	10°41	4° 2	17° 1	W 7
T 8	19 4 34	16° 7'02	0 ∺ 55	6°46	10° 0	3°20	12°20	1°13	10° 4	23°26	17°22	10°15	10°38	4° 9	17° 7	T 8
F 9	19 8 30	17° 4'14	14°18	6°26	11°10	3°58	12°33	1°17	10° 3	23°24	17°24	10°11	10°35	4°16	17°13	F 9
S 10	19 12 27	18° 1'26	27°14	6°10	12°20	4°36	12°45	1°21	10° 3	23°23	17°25	10° 9	10°32	4°23	17°19	S 10
S 11	19 16 24	18°58'38	9 Ƴ 47	5°58	13°30	5°15	12°58	1°24	10° 2	23°22	17°26	10°D 8	10°29	4°29	17°24	S 11
M12	19 20 20	19°55'51	22° 1	5°51	14°41	5°53	13°10	1°27	10° 2	23°20	17°27	10°R 8	10°25	4°36	17°30	M12
T 13	19 24 17	20°53'04	4 8 2	5°D49	15°51	6°31	13°23	1°31	10° 2	23°19	17°28	10° 8	10°22	4°43	17°37	T 13
W14	19 28 13	21°50'18	15°54	5°52	17° 2	7° 9	13°36	1°34	10° 1	23°17	17°30	10° 5	10°19	4°49	17°43	W14
T 15	19 32 10	22°47'33	27°44	6° 0	18°12	7°47	13°48	1°37	10° 1	23°16	17°31	10° 1	10°16	4°56	17°49	T 15
F 16	19 36 6	23°44'47	9∏34	6°14	19°23	8°26	14° 1	1°40	10° 1	23°15	17°32	9°54	10°13	5° 3	17°55	F 16
S 17	19 40 3	24°42'03	21°30	6°33	20°34	9° 4	14°14	1°43	10° 1	23°13	17°33	9°44	10°10	5° 9	18° 2	S 17
S 18	19 43 59	25°39'18	3932	6°57	21°45	9°42	14°27	1°45	10°D 1	23°12	17°34	9°33	10° 6	5°16	18° 8	S 18
M19	19 47 56	26°36'35	15°45	7°27	22°55	10°20	14°40	1°48	10° 1	23°11	17°35	9°20	10° 3	5°23	18°14	M19
T 20	19 51 53	27°33'51	28° 7	8° 2	24° 6	10°58	14°52	1°51	10° 1	23° 9	17°36	9° 8	10° 0	5°29	18°21	T 20
W21	19 55 49	28°31'08	10 Ω 41	8°43	25°17	11°37	15° 5	1°53	10° 1	23° 8	17°38	8°56	9°57	5°36	18°28	W21
T 22	19 59 46	29°28'25	23°26	9°29	26°28	12°15	15°18	1°56	10° 1	23° 7	17°39	8°47	9°54	5°43	18°34	T 22
F 23	20 3 42	$0\Omega 25'43$	6Mp22	10°20	27°39	12°53	15°31	1°58	10° 1	23° 6	17°40	8°41	9°51	5°50	18°41	F 23
S 24	20 7 39	1°23'01	19°29	11°17	28°50	13°31	15°44	2° 0	10° 2	23° 4	17°41	8°37	9°47	5°56	18°48	S 24
S 25	20 11 35	2°20'19	2 ≏ 49	12°18	0ණ 2	14° 9	15°57	2° 2	10° 2	23° 3	17°42	8°D35	9°44	6° 3	18°55	S 25
M26	20 15 32	3°17'38	16°21	13°25	1°13	14°47	16°10	2° 4	10° 2	23° 2	17°43	8°35	9°41	6°10	19° 2	M26
T 27	20 19 28	4°14'57	OM 8	14°37	2°24	15°26	16°23	2° 6	10° 3	23° 1	17°44	8°R36	9°38	6°16	19° 9	T 27
W28	20 23 25	5°12'16	14°10	15°53	3°36	16° 4	16°36	2° 8	10° 3	23° 0	17°45	8°36	9°35	6°23	19°16	W28
T 29	20 27 21	6° 9'35	28°26	17°15	4°47	16°42	16°49	2°10	10° 4	22°59	17°46	8°34	9°31	6°30	19°23	T 29
F 30	20 31 18	7° 6'55	12 × 755	18°41	5°58	17°20	17° 2	2°11	10° 4	22°58	17°47	8°29	9°28	6°36	19°30	F 30
S 31	20 35 15	8 Ω 4'16	27 × 32	20911	79 10	17 Ω 58	17 Ω 15	2 8 13	10 M 5	22 √ 57	17 Ⅱ 48	8 ₾ 23	9 ჲ 25	6 Ⅱ 43	19 m 37	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	23n 5 23 1 22 56	16 52 3 57	18 37 4 2	s18 18n32 2s 1 27 18 47 1 59 34 19 2 1 58	21 23 1 10	18n 6 0n38 18 2 0 38 17 59 0 38	9 30 2 24	14 27 0 25	21 s53 1n23 21 53 1 23 21 53 1 23	12 54 9 57	4 s27 4 25 4 22	4 s21 16n48 4 20 16 49 4 19 16 50	1n32 4s 7 1 30 4 7 1 29 4 6
S 4 M 5 T 6 W 7 T 8 F 9	22 45 22 40	17 17 4 58 15 0 4 39 11 52 4 2 8 9 3 12	18 26 4 4 18 25 4 4 18 25 4 4 18 27 4 4	40 19 16 1 56 45 19 30 1 54 47 19 44 1 52 49 19 57 1 50 48 20 9 1 48 46 20 21 1 46	20 58 1 10 20 49 1 10 20 41 1 10 20 32 1 10	17 56 0 38 17 52 0 38 17 49 0 38 17 45 0 38 17 42 0 38 17 38 0 38	9 34 2 25 9 35 2 25 9 36 2 25 9 37 2 26	14 26 0 25 14 26 0 25 14 26 0 25 14 25 0 25	21 53 1 22 21 53 1 22	12 54 9 58 12 54 9 58 12 54 9 58 12 54 9 58	4 18 4 14 4 9 4 6 4 3 4 2	4 17 16 50 4 16 16 51 4 15 16 52 4 14 16 52 4 12 16 53 4 11 16 54	1 28 4 5 1 26 4 5 1 24 4 4 1 23 4 3 1 21 4 3 1 20 4 2
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17		3n54 0 2 7 36 1s 3 10 55 2 3 13 45 2 57 16 0 3 44 17 34 4 21	18 39 4 1 18 45 4 1 18 52 4 2 19 1 4 19 9 4 19 19 3	25 21 4 1 37 17 21 13 1 35	20 4 1 10 19 55 1 10 19 45 1 10 19 36 1 10 19 26 1 10 19 16 1 10	17 35 0 38 17 31 0 38 17 28 0 39 17 24 0 39 17 21 0 39 17 17 0 39 17 13 0 39 17 10 0 39	9 40 2 26 9 41 2 27 9 42 2 27 9 42 2 27 9 43 2 27 9 44 2 28	14 25 0 25 14 25 0 25	21 53 1 22 21 53 1 22	12 54 9 58 12 54 9 58	4 1 4 1 4 0 4 0 3 58 3 55 3 51	4 10 16 55 4 9 16 55 4 7 16 56 4 6 16 57 4 5 16 57 4 4 16 58 4 2 16 59 4 1 16 59	1 18 4 2 1 16 4 1 1 14 4 0 1 13 4 0 1 11 3 59 1 9 3 59 1 7 3 58 1 5 3 57
S 18 M19 T 20 W21 T 22 F 23 S 24	21 0 20 49 20 38 20 26 20 15 20 2 19 50	17 32 4 59 15 52 4 45 13 25 4 17 10 18 3 36 6 39 2 42	19 51 3 2 20 2 3 20 12 2 3 20 23 2 4 20 34 2 2	9 21 58 1 19 56 22 3 1 17 42 22 8 1 14 28 22 12 1 11	18 45 1 10 18 35 1 10 18 24 1 10 18 14 1 10 18 3 1 10		9 46 2 28 9 47 2 29 9 47 2 29 9 48 2 29 9 48 2 29	14 25 0 25 14 25 0 25 14 25 0 25 14 25 0 25 14 25 0 25	21 53 1 22 21 53 1 22 21 53 1 22 21 53 1 22 21 52 1 22 21 52 1 22 21 52 1 22	12 54 9 59 12 54 9 59 12 54 9 59 12 54 9 59 12 54 9 59	3 47 3 42 3 37 3 32 3 29 3 26 3 25	4 0 17 0 3 59 17 1 3 57 17 1 3 56 17 2 3 55 17 3 3 54 17 3 3 52 17 4	1 3 3 57 1 1 3 56 0 59 3 56 0 57 3 55 0 55 3 54 0 53 3 54 0 51 3 53
S 25 M26 T 27 W28 T 29 F 30 S 31	18 43 18 29	5 47 0n41 9 45 1 52 13 15 2 58 16 0 3 53 17 47 4 35	21 1 1 4 21 8 1 3 21 14 1 21 18 1 21 21 0 4	44 22 22 1 3	17 30 1 10 17 18 1 10 17 7 1 10 16 55 1 9 16 44 1 9	16 40 0 39 16 36 0 39 16 32 0 39 16 28 0 39 16 24 0 39 16 20 0 39 16n17 0n39	9 50 2 30 9 50 2 30 9 51 2 31 9 51 2 31 9 51 2 31	14 26 0 24 14 26 0 24 14 26 0 24 14 26 0 24 14 26 0 24	21 52 1 22 21 52 1 22	12 54 9 59 12 54 9 59 12 54 10 0 12 54 10 0 12 54 10 0	3 23	3 51 17 5 3 50 17 5 3 49 17 6 3 47 17 6 3 46 17 7 3 45 17 8 3 s44 17n 8	0 49 3 53 0 46 3 52 0 44 3 52 0 42 3 51 0 40 3 51 0 37 3 50 0n35 3 \$50

Julian Day Number = 2504686.5, Delta T = 118.63 sec Ecliptic obliquity = 23°25'04, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'24$, Lahiri = $25^{\circ}53'24$

AUGUST 2145 00:00 UT

Day	Sid.t	\odot	D	φ	φ	♂	24	ħ)ф(卉	Р	r	Ω	Ç	ę,	Day
S 1	20 39 11	9 ん 1'37	12 ਰ 11	219546	89522	18 Ω 36	17 Ω 28	2 8 14	10 M 6	22°R56	17 Ⅱ 49	8°R15	9 ჲ 22	6 II 50	19 m /45	S 1
M 2	20 43 8	9°58'59	26°47	23°25	9°33	19°14	17°42	2°15	10° 6	22 × 55	17°50	8 쇼 6	9°19	6°57	19°52	M 2
T 3	20 47 4	10°56'21	11≈11	25° 7	10°45	19°52	17°55	2°17	10° 7	22°54	17°51	7°57	9°16	7° 3	19°59	T 3
W 4	20 51 1	11°53'44	25°16	26°54	11°57	20°31	18° 8	2°18	10° 8	22°53	17°51	7°50	9°12	7°10	20° 7	W 4
T 5	20 54 57	12°51'08	9) 0	28°43	13° 9	21° 9	18°21	2°19	10° 9	22°52	17°52	7°45	9° 9	7°17	20°14	T 5
F 6	20 58 54	13°48'33	22°20	0 Ω 35	14°20	21°47	18°34	2°20	10°10	22°51	17°53	7°41	9° 6	7°23	20°22	F 6
S 7	21 2 50	14°45'59	5 Υ 15	2°31	15°32	22°25	18°47	2°20	10°11	22°50	17°54	7°D40	9° 3	7°30	20°30	S 7
S 8	21 6 47	15°43'27	17°49	4°28	16°44	23° 3	19° 0	2°21	10°12	22°49	17°55	7°41	9° 0	7°37	20°37	S 8
M 9	21 10 44	16°40'55	0 8 5	6°27	17°56	23°41	19°14	2°22	10°13	22°49	17°56	7°42	8°57	7°44	20°45	M 9
T 10	21 14 40	17°38'25	12° 8	8°28	19° 9	24°19	19°27	2°22	10°14	22°48	17°56	7°R43	8°53	7°50	20°53	T 10
W11	21 18 37	18°35'56	24° 2	10°30	20°21	24°57	19°40	2°23	10°15	22°47	17°57	7°43	8°50	7°57	21° 0	W11
T 12	21 22 33	19°33'29	5 Ⅱ 53	12°33	21°33	25°35	19°53	2°23	10°17	22°46	17°58	7°41	8°47	8° 4	21° 8	T 12
F 13	21 26 30	20°31'03	17°46	14°36	22°45	26°14	20° 6	2°23	10°18	22°46	17°59	7°38	8°44	8°10	21°16	F 13
S 14	21 30 26	21°28'38	29°45	16°39	23°58	26°52	20°19	2°R23	10°19	22°45	17°59	7°32	8°41	8°17	21°24	S 14
S 15	21 34 23	22°26'15	11954	18°43	25°10	27°30	20°33	2°23	10°21	22°44	18° 0	7°25	8°37	8°24	21°32	S 15
M16	21 38 19	23°23'52	24°15	20°46	26°22	28° 8	20°46	2°23	10°22	22°44	18° 1	7°18	8°34	8°30	21°40	M16
T 17	21 42 16	24°21'32	6 Ω 49	22°48	27°35	28°46	20°59	2°23	10°24	22°43	18° 1	7°10	8°31	8°37	21°48	T 17
W18	21 46 13	25°19'12	19°39	24°50	28°47	29°24	21°12	2°22	10°25	22°43	18° 2	7° 3	8°28	8°44	21°56	W18
T 19	21 50 9	26°16'54	2 m 43	26°51	0Ω 0	0Mp 2	21°25	2°22	10°27	22°42	18° 3	6°57	8°25	8°51	22° 4	T 19
F 20	21 54 6	27°14'37	16° 1	28°51	1°13	0°41	21°38	2°21	10°28	22°42	18° 3	6°54	8°22	8°57	22°12	F 20
S 21	21 58 2	28°12'21	29°31	0 m 50	2°25	1°19	21°52	2°20	10°30	22°41	18° 4	6°52	8°18	9° 4	22°20	S 21
S 22	22 1 59	29°10'06	13 ≏ 11	2°48	3°38	1°57	22° 5	2°20	10°32	22°41	18° 4	6°D52	8°15	9°11	22°29	S 22
M23	22 5 55	0 m 7'53	27° 2	4°44	4°51	2°35	22°18	2°19	10°34	22°40	18° 5	6°53	8°12	9°17	22°37	M23
T 24	22 9 52	1° 5'41	11 M 0	6°40	6° 4	3°13	22°31	2°18	10°35	22°40	18° 6	6°54	8° 9	9°24	22°45	T 24
W25	22 13 48	2° 3'29	25° 6	8°34	7°17	3°51	22°44	2°17	10°37	22°40	18° 6	6°55	8° 6	9°31	22°53	W25
T 26	22 17 45	3° 1'19	9 ∡ 17	10°26	8°30	4°30	22°57	2°16	10°39	22°39	18° 7	6°R55	8° 3	9°37	23° 2	T 26
F 27	22 21 42	3°59'11	23°32	12°18	9°43	5° 8	23°10	2°14	10°41	22°39	18° 7	6°54	7°59	9°44	23°10	F 27
S 28	22 25 38	4°57'03	7 云 48	14° 8	10°56	5°46	23°23	2°13	10°43	22°39	18° 7	6°51	7°56	9°51	23°18	S 28
S 29	22 29 35	5°54'56	22° 2	15°56	12° 9	6°24	23°36	2°11	10°45	22°39	18° 8	6°47	7°53	9°58	23°27	S 29
M30	22 33 31	6°52'51	6≈10	17°44	13°22	7° 2	23°49	2°10	10°47	22°39	18° 8	6°43	7°50	10° 4	23°35	M30
T 31	22 37 28	7 m 50'47	20≈ 8	19 m y30	14 Ω 35	7 m /40	24 N 2	2 8 8	10 M .50	22 × 38	18 II 9	6 ₾ 39	7 ≙ 47	10 Ⅱ 11	23 m 44	T 31

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S 14	M 2 11 T 3 11 W 4 12 T 5 16 F 6 16 S 7 16 S 8 16 M 9 13 T 10 13 W11 12 T 12 14	7 44 1 7 28 1 7 12 6 56 6 40 6 23 6 6 5 49 5 32 1 5 14 1 4 56 1	16 3 4 49 13 19 4 15 9 50 3 27 5 54 2 28 1 48 1 22 2n17 0 13 6 9 0s54 9 39 1 58 12 41 2 55 15 9 3 43 16 58 4 22	21 17 (21 12 (21 3 (20 53 (20 40 (20 24 (20 5 19 44 19 20 18 54 18 26 (21 18	0 6 22 22 0 4 0n 6 22 19 0 4 0 18 22 16 0 3 0 30 22 12 0 3 0 40 22 8 0 3 0 50 22 3 0 2 0 59 21 57 0 2 1 8 21 51 0 2 1 15 21 44 0 2 1 22 21 36 0 1 1 28 21 28 0 1	8 16 8 1 9 1 15 56 1 9 7 15 54 1 9 4 15 32 1 9 1 15 19 1 9 8 15 7 1 9 6 14 54 1 9 7 14 16 1 8 4 14 3 1 8	16 9 0 40 16 5 0 40 16 1 0 40 15 57 0 40 15 53 0 40 15 49 0 40 15 45 0 40 15 41 0 40 15 37 0 40 15 32 0 40 15 28 0 40	9 52 2 32 9 52 2 33 9 52 2 34 9 52 2 34 9 52 2 34 9 52 2 34	14 27 0 24 14 27 0 24 14 28 0 24 14 28 0 24 14 28 0 24 14 29 0 24 14 29 0 24 14 29 0 24 14 30 0 24 14 31 0 24	21 52 1 22 21 52 1 21 21 52 1 21	12 54 10 0 12 54 10 0 12 54 10 0 12 54 10 1 12 54 10 1 12 54 10 1 12 54 10 1 12 53 10 1 12 53 10 1 12 53 10 2	3 13 3 9 3 6 3 4 3 3 3 2 3 3 3 3 3 3 3 3 3 3	3 40 17 10 3 39 17 11 3 38 17 11 3 36 17 12 3 35 17 13 3 34 17 13 3 34 17 14 3 31 17 14 3 30 17 15 3 29 17 16	0n33 3 s49 0 30 3 49 0 28 3 48 0 25 3 48 0 23 3 47 0 20 3 47 0 18 3 46 0 15 3 46 0 10 3 45 0 10 3 45 0 7 3 44 0 5 3 44
M23	S 14 14 S 15 14 M16 13 T 17 13 W18 13 T 19 12 F 20 13	4 20 1 4 1 1 3 42 1 3 23 1 3 4 1 2 45 2 25	18 20 5 5 17 47 5 7 16 24 4 55 14 13 4 28 11 18 3 48 7 47 2 55 3 49 1 51	17 22 16 47 16 11 15 33 14 53 14 12 13 30	1 37 21 10 0 1 40 21 0 0 1 43 20 49 0 1 44 20 38 0n 1 45 20 26 0 1 46 20 14 0 1 45 20 1 0	3 13 37 1 8 5 13 24 1 8 2 13 10 1 8 1 12 57 1 8 3 12 44 1 8 5 12 30 1 8 9 12 17 1 8	8 15 20 0 40 8 15 16 0 40 8 15 12 0 40 8 15 8 0 41 8 15 4 0 41 8 15 0 0 41 8 14 55 0 41	9 52 2 35 9 51 2 35 9 51 2 36 9 51 2 36 9 50 2 36 9 50 2 37 9 49 2 37	14 31 0 24 14 32 0 24 14 32 0 24 14 33 0 24 14 33 0 24 14 34 0 24 14 34 0 24	21 52 1 21 21 52 1 21	12 53 10 2 12 53 10 3 12 52 10 3	2 59 2 57 2 54 2 50 2 48 2 46 2 44	3 28 17 16 3 26 17 17 3 25 17 17 3 24 17 18 3 23 17 19 3 21 17 19 3 20 17 20 3 19 17 20 3 17 17 21	0 2 3 43 0s 1 3 43 0 3 3 43 0 6 3 42 0 9 3 42 0 12 3 41 0 14 3 41 0 17 3 40 0 20 3 40
S 29 9 20 16 39 5 1 6 44 1 17 17 39 0 33 10 11 1 6 14 18 0 42 9 44 2 39 14 40 0 23 21 53 1 20 12 51 10 4 2 42 3 7 M30 8 59 14 19 4 32 5 57 1 12 17 21 0 35 9 57 1 6 14 14 0 42 9 43 2 39 14 41 0 23 21 53 1 20 12 51 10 4 2 42 3 6	M23 11 T24 11 W25 10 T26 10 F 27 10 S 28 9	1 25 1 5 1 0 44 1 0 23 1 0 2 1 9 41 1	8 44 1 48 12 20 2 55 15 15 3 53 17 16 4 37 18 12 5 4 18 0 5 12	11 19 10 34 9 49 9 3 8 17 7 30 6 44	1 40 19 19 0 1 1 38 19 3 0 2 1 34 18 48 0 2 1 31 18 31 0 2 1 27 18 15 0 2 1 22 17 57 0 3	7 11 35 1 7 1 1 2 1 1 7 1 2 1 1 8 1 7 1 1 5 1 1 7 1 1 1 1 1 1 1 1 1 1 1 1	7 14 43 0 41 7 14 39 0 41 7 14 35 0 41 7 14 30 0 41 7 14 26 0 41 7 14 22 0 42	9 48 2 38 9 47 2 38 9 47 2 38 9 46 2 38 9 45 2 39 9 45 2 39	14 36 0 24 14 37 0 24 14 37 0 24 14 38 0 24 14 39 0 24 14 39 0 24	21 52 1 21 21 53 1 21 21 53 1 20 21 53 1 20 21 53 1 20 21 53 1 20 21 53 1 20	12 52 10 3 12 52 10 3 12 52 10 4 12 52 10 4 12 52 10 4 12 51 10 4	2 44 2 44 2 45 2 45 2 45 2 44 2 43		0 23 3 40 0 26 3 39 0 29 3 39 0 32 3 39 0 35 3 38 0 37 3 38 0 40 3 37 0 43 3 37

Julian Day Number = 2504717.5, Delta T = 118.68 sec Ecliptic obliquity = 23°25'04, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'28$, Lahiri = $25^{\circ}53'29$

SEPTEMBER 2145 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	В	R	Ω	Ç	ę k	Day
W 1	22 41 24	8 m) 48'45	3 ∺ 51	21 Mp 14	15 Ω 48	8 m)19	24 Ω 15	2°R 6	10 M 52	22°R38	18耳 9	6°R35	7 ≙ 43	10 I I18	23 m 52	W 1
T 2	22 45 21	9°46'44	17°17	22°58	17° 2	8°57	24°28	2 8 4	10°54	22 × 38	18° 9	6 ₾ 32	7°40	10°24	24° 1	T 2
F 3	22 49 17	10°44'45	0 Υ 24	24°40	18°15	9°35	24°41	2° 2	10°56	22°38	18°10	6°D31	7°37	10°31	24° 9	F 3
S 4	22 53 14	11°42'47	13°12	26°21	19°28	10°13	24°54	2° 0	10°58	22°D38	18°10	6°31	7°34	10°38	24°18	S 4
S 5	22 57 11	12°40'51	25°42	28° 0	20°42	10°51	25° 7	1°58	11° 1	22°38	18°10	6°32	7°31	10°45	24°26	S 5
M 6	23 1 7	13°38'57	7 8 57	29°39	21°55	11°29	25°19	1°56	11° 3	22°38	18°11	6°34	7°28	10°51	24°35	M 6
T 7	23 5 4	14°37'05	20° 1	1 ≏ 16	23° 9	12° 8	25°32	1°53	11° 6	22°38	18°11	6°35	7°24	10°58	24°43	T 7
W 8	23 9 0	15°35'15	1耳56	2°52	24°23	12°46	25°45	1°51	11°8	22°39	18°11	6°37	7°21	11° 5	24°52	W 8
T 9	23 12 57	16°33'27	13°48	4°27	25°36	13°24	25°58	1°48	11°11	22°39	18°11	6°R37	7°18	11°11	25° 0	T 9
F 10	23 16 53	17°31'41	25°42	6° 0	26°50	14° 2	26°10	1°46	11°13	22°39	18°11	6°37	7°15	11°18	25° 9	F 10
S 11	23 20 50	18°29'57	79542	7°33	28° 4	14°41	26°23	1°43	11°16	22°39	18°11	6°36	7°12	11°25	25°18	S 11
S 12	23 24 46	19°28'15	19°53	9° 4	29°17	15°19	26°36	1°40	11°18	22°39	18°12	6°34	7° 8	11°31	25°26	S 12
M13	23 28 43	20°26'35	2 Ω 18	10°34	0 m 31	15°57	26°48	1°37	11°21	22°40	18°12	6°32	7° 5	11°38	25°35	M13
T 14	23 32 40	21°24'57	15° 0	12° 3	1°45	16°36	27° 1	1°34	11°24	22°40	18°12	6°30	7° 2	11°45	25°44	T 14
W15	23 36 36	22°23'21	28° 1	13°31	2°59	17°14	27°13	1°31	11°27	22°40	18°12	6°28	6°59	11°52	25°52	W15
T 16	23 40 33	23°21'47	11 m 22	14°57	4°13	17°52	27°26	1°28	11°29	22°41	18°12	6°26	6°56	11°58	26° 1	T 16
F 17	23 44 29	24°20'15	25° 1	16°22	5°27	18°30	27°38	1°25	11°32	22°41	18°R12	6°26	6°53	12° 5	26°10	F 17
S 18	23 48 26	25°18'44	8 ≏ 56	17°47	6°41	19° 9	27°51	1°22	11°35	22°42	18°12	6°D25	6°49	12°12	26°18	S 18
S 19	23 52 22	26°17'16	23° 4	19° 9	7°55	19°47	28° 3	1°18	11°38	22°42	18°12	6°26	6°46	12°18	26°27	S 19
M20	23 56 19	27°15'49	7 M 21	20°31	9° 9	20°25	28°15	1°15	11°41	22°43	18°12	6°26	6°43	12°25	26°36	M20
T 21	0 0 15	28°14'24	21°41	21°51	10°23	21° 4	28°27	1°11	11°44	22°43	18°12	6°27	6°40	12°32	26°44	T 21
W22	0 4 12	29°13'00	6 ₹ 3	23°10	11°37	21°42	28°40	1° 7	11°47	22°44	18°12	6°28	6°37	12°39	26°53	W22
T 23	0 8 8	0 ₽ 11'38	20°21	24°27	12°52	22°21	28°52	1° 4	11°50	22°44	18°12	6°28	6°34	12°45	27° 2	T 23
F 24	0 12 5	1°10'18	4 궁 33	25°43	14° 6	22°59	29° 4	1° 0	11°53	22°45	18°12	6°R28	6°30	12°52	27°10	F 24
S 25	0 16 2	2° 9'00	18°36	26°58	15°20	23°37	29°16	0°56	11°56	22°46	18°11	6°28	6°27	12°59	27°19	S 25
S 26	0 19 58	3° 7'43	2≈30	28°11	16°34	24°16	29°28	0°52	11°59	22°46	18°11	6°28	6°24	13° 5	27°28	S 26
M27	0 23 55	4° 6'28	16°12	29°22	17°49	24°54	29°40	0°48	12° 2	22°47	18°11	6°27	6°21	13°12	27°36	M27
T 28	0 27 51	5° 5'14	29°42	0 M .31	19° 3	25°32	29°52	0°44	12° 5	22°48	18°11	6°27	6°18	13°19	27°45	T 28
W29	0 31 48	6° 4'03	12) 59	1°38	20°18	26°11	0 mg 3	0°40	12° 8	22°49	18°11	6°D27	6°14	13°26	27°54	W29
T 30	0 35 44	7 ♀ 2'53	26 米 2	2M43	21 Mp 32	26 M 49	0 m 15	0 8 36	12 M .12	22 × 749	18 Ⅱ 10	6 ≏ 27	6 ₽ 11	13 Ⅱ 32	28MD 2	T 30

Day	0	D	ğ	·	ď	4	ħ)∤(并	Р	ก	U	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
W 1	8n16	7 s27 2n50	4n24 1n	0 16n43 0n40	9n28 1n 6	14n 5 0n42	9n42 2s40	14 s42 0n23	21 s53 1n20	12n51 10s 5	2 s37	3 s 4	17n27	0s52 3s36
T 2	7 54	3 26 1 44	3 37 0 5	4 16 23 0 42	9 14 1 6	14 1 0 42	9 41 2 40	14 43 0 23	21 53 1 20	12 51 10 5	2 36	3 2	17 28	0 55 3 36
F 3	7 32	0n40 0 34	2 51 0 4	8 16 3 0 44	8 59 1 6	13 57 0 42	9 40 2 40	14 43 0 23	21 53 1 20	12 51 10 5	2 35	3 1	17 28	0 59 3 35
S 4	7 10	4 39 0s37	2 5 0 4	1 15 42 0 47	8 44 1 5	13 52 0 42	9 39 2 40	14 44 0 23	21 53 1 20	12 50 10 5	2 35	3 0	17 29	1 2 3 35
S 5	6 48	8 19 1 44	1 19 0 3	4 15 21 0 49	8 30 1 5	13 48 0 42	9 38 2 41	14 45 0 23	21 53 1 20	12 50 10 5	2 36	2 59	17 29	1 5 3 35
M 6	6 25	11 33 2 45	0 34 0 2	7 14 59 0 51	8 15 1 5	13 44 0 42	9 37 2 41	14 46 0 23	21 53 1 20	12 50 10 6	2 36	2 57	17 30	1 8 3 34
T 7	6 3	14 14 3 37	0s12 0 2	0 14 37 0 53	8 0 1 5	13 40 0 42	9 36 2 41	14 47 0 23	21 53 1 20	12 50 10 6	2 37	2 56	17 30	1 11 3 34
W 8	5 41	16 17 4 20	0 56 0 1	3 14 15 0 55	7 46 1 5	13 36 0 43	9 35 2 41	14 47 0 23	21 53 1 20	12 50 10 6	2 37	2 55	17 31	1 14 3 34
T 9	5 18	17 37 4 51	1 41 0	5 13 52 0 57	7 31 1 5	13 31 0 43	9 34 2 42	14 48 0 23	21 53 1 20	12 50 10 6	2 38	2 54	17 31	1 17 3 33
F 10		18 11 5 10			7 16 1 4	/			21 53 1 20		2 38		17 32	1 20 3 33
S 11	4 33	17 57 5 15	3 9 0 1	0 13 5 1 1	7 1 1 4	13 23 0 43	9 32 2 42	14 50 0 23	21 53 1 20	12 49 10 7	2 37	2 51	17 32	1 23 3 33
S 12	4 10	16 53 5 7			6 46 1 4	15 17 0 .5			21 53 1 20		2 36		17 33	1 27 3 33
M13	-	15 1 4 44		-	6 31 1 4		9 29 2 42		21 54 1 19		2 36		17 33	1 30 3 32
T 14	_	12 23 4 7	5 16 0 3		6 16 1 4		9 28 2 43		21 54 1 19		2 35		17 34	1 33 3 32
W15	3 1	9 4 3 17	5 58 0 4		6 1 1 4	13 6 0 43			21 54 1 19		2 34	-	17 34	1 36 3 32
T 16	2 38	5 13 2 14	6 39 0 4		5 46 1 3		9 25 2 43		21 54 1 19		2 33	-	17 35	1 39 3 32
F 17	2 15	1 1 1 3	7 19 0 5		5 31 1 3				21 54 1 19		2 33		17 35	1 42 3 31
S 18	1 52	3 s20 0n14	7 59 1	5 10 10 1 12	5 16 1 3	12 54 0 44	9 23 2 43	14 56 0 23	21 54 1 19	12 48 10 8	2 33	2 42	17 36	1 46 3 31
S 19	1 28	7 33 1 31	8 37 1 1	3 9 44 1 14	5 0 1 3	12 50 0 44	9 22 2 44	14 57 0 23	21 54 1 19	12 48 10 8	2 33	2 41	17 36	1 49 3 31
M20	1 5	11 23 2 43	9 16 1 2		4 45 1 3		9 20 2 44		21 54 1 19		2 33	-	17 37	1 52 3 31
T 21	-	14 32 3 45			4 30 1 2		9 19 2 44		21 54 1 19		2 34		17 37	1 55 3 30
W22		16 48 4 34			4 14 1 2				21 54 1 19		2 34		17 38	1 59 3 30
T 23		18 0 5 5	11 6 1 4		3 59 1 2		9 16 2 44		21 54 1 19		2 34		17 38	2 2 3 30
F 24	-	18 4 5 17	11 41 1 5		3 44 1 2		9 15 2 44		21 54 1 19		2 34		17 39	2 5 3 30
S 25	0 51	17 0 5 10	12 15 2	0 7 1 1 21	3 28 1 2	12 25 0 45	9 13 2 44	15 2 0 23	21 54 1 19	12 47 10 9	2 34	2 34	17 39	2 8 3 29
S 26	-	14 57 4 45	-	8 6 33 1 22	3 13 1 1	12 21 0 45	9 12 2 45			12 47 10 9	2 34	-	17 39	2 12 3 29
M27	1 38	12 5 4 4		5 6 5 1 23	2 58 1 1	12 17 0 45	9 10 2 45		21 55 1 19		2 34		17 40	2 15 3 29
T 28	2 1	8 36 3 10			2 42 1 1	12 13 0 45	9 9 2 45		21 55 1 19		2 34		17 40	2 18 3 29
W29	2 24	4 44 2 7	14 21 2 2		2 27 1 1	12 9 0 45	9 7 2 45		21 55 1 19		2 34		17 41	2 21 3 29
T 30	2 s48	0 s42 0n58	14s50 2s3	6 4n40 1n25	2n11 1n 1	12n 5 0n45	9n 6 2s45	15 s 7 0n23	21 s55 1n19	12n46 10s10	2 s34	2 s27	17n41	2 s24 3 s28

 $\label{eq:Julian Day Number = 2504748.5, Delta T = 118.74 sec} \\ Ecliptic obliquity = 23°25'04, Nutation = 0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°46'33, Lahiri = 25°53'33} \\$

OCTOBER 2145 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(卉	Р	v	v	Ç	Ŗ	Day
F 1	0 39 41	8 ♀ 1'45	8 Υ 51	3M46	22 Mp 46	27 m 28	0 m 27	0°R32	12 M .15	22 × 750	18°R10	6°R27	6 ₽ 8	13 II 39	28 m)11	F 1
S 2	0 43 37	9° 0'39	21°26	4°47	24° 1	28° 6	0°38	0 8 28	12°18	22°51	18 Ⅱ 10	6 ₽ 27	6° 5	13°46	28°20	S 2
S 3	0 47 34	9°59'35	3 8 48	5°45	25°15	28°45	0°50	0°23	12°21	22°52	18° 9	6°27	6° 2	13°52	28°28	S 3
M 4	0 51 31	10°58'33	15°58	6°40	26°30	29°23	1° 1	0°19	12°25	22°53	18° 9	6°26	5°59	13°59	28°37	M 4
T 5	0 55 27	11°57'34	27°59	7°32	27°45	0 ჲ 2	1°13	0°15	12°28	22°54	18° 9	6°26	5°55	14° 6	28°45	T 5
W 6	0 59 24	12°56'37	9 Ⅱ 54	8°21	28°59	0°40	1°24	0°10	12°32	22°55	18° 8	6°25	5°52	14°13	28°54	W 6
T 7	1 3 20	13°55'42	21°45	9° 6	0 ჲ 14	1°19	1°35	0° 6	12°35	22°56	18° 8	6°24	5°49	14°19	29° 2	T 7
F 8	1 7 17	14°54'49	3938	9°48	1°29	1°57	1°47	0° 1	12°38	22°57	18° 8	6°24	5°46	14°26	29°11	F 8
S 9	1 11 13	15°53'58	15°37	10°25	2°43	2°36	1°58	29 Ƴ 57	12°42	22°58	18° 7	6°D23	5°43	14°33	29°20	S 9
S 10	1 15 10	16°53'10	27°46	10°58	3°58	3°14	2° 9	29°52	12°45	23° 0	18° 7	6°24	5°39	14°39	29°28	S 10
M11	1 19 6	17°52'24	10 N 9	11°25	5°13	3°53	2°20	29°48	12°49	23° 1	18° 6	6°24	5°36	14°46	29°36	M11
T 12	1 23 3	18°51'41	22°52	11°47	6°28	4°32	2°31	29°43	12°52	23° 2	18° 6	6°25	5°33	14°53	29°45	T 12
W13	1 27 0	19°50'59	5 m 56	12° 3	7°43	5°10	2°41	29°38	12°56	23° 3	18° 5	6°26	5°30	15° 0	29°53	W13
T 14	1 30 56	20°50'20	19°25	12°12	8°57	5°49	2°52	29°34	12°59	23° 4	18° 5	6°27	5°27	15° 6	0요 2	T 14
F 15	1 34 53	21°49'43	3 ≙ 17	12°R14	10°12	6°27	3° 3	29°29	13° 3	23° 6	18° 4	6°R28	5°24	15°13	0°10	F 15
S 16	1 38 49	22°49'08	17°32	12° 9	11°27	7° 6	3°13	29°24	13° 6	23° 7	18° 3	6°28	5°20	15°20	0°18	S 16
S 17	1 42 46	23°48'36	2M 5	11°56	12°42	7°45	3°24	29°19	13°10	23° 8	18° 3	6°27	5°17	15°26	0°27	S 17
M18	1 46 42	24°48'05	16°49	11°35	13°57	8°23	3°34	29°15	13°14	23°10	18° 2	6°25	5°14	15°33	0°35	M18
T 19	1 50 39	25°47'36	1 ₹ 38	11° 5	15°12	9° 2	3°45	29°10	13°17	23°11	18° 2	6°22	5°11	15°40	0°43	T 19
W20	1 54 35	26°47'09	1 <u>6</u> °23	10°27	16°27	9°41	3°55	29° 5	13°21	23°13	18° 1	6°19	5° 8	15°47	0°51	W20
T 21	1 58 32	27°46'44	0 궁 59	9°40	17°42	10°20	4° 5	29° 0	13°24	23°14	18° 0	6°17	5° 5	15°53	1° 0	T 21
F 22	2 2 28	28°46'20	15°20	8°46	18°57	10°58	4°15	28°55	13°28	23°15	18° 0	6°16	5° 1	16° 0	1° 8	F 22
S 23	2 6 25	29°45'59	29°23	7°44	20°12	11°37	4°25	28°51	13°32	23°17	17°59	6°D15	4°58	16° 7	1°16	S 23
S 24	2 10 22	0ML45'39	13 ≈ 7	6°36	21°27	12°16	4°35	28°46	13°35	23°18	17°58	6°15	4°55	16°13	1°24	S 24
M25	2 14 18	1°45'20	26°33	5°23	22°42	12°55	4°44	28°41	13°39	23°20	17°57	6°17	4°52	16°20	1°32	M25
T 26	2 18 15	2°45'03	9)(42	4° 8	23°57	13°33	4°54	28°36	13°43	23°22	17°57	6°18	4°49	16°27	1°40	T 26
W27	2 22 11	3°44'48	22°37	2°53	25°12	14°12	5° 3	28°32	13°47	23°23	17°56	6°20	4°45	16°34	1°48	W27
T 28	2 26 8	4°44'35	5 Υ 18	1°39	26°28	14°51	5°13	28°27	13°50	23°25	17°55	6°R21	4°42	16°40	1°56	T 28
F 29	2 30 4	5°44'23	17°47	0°29	27°43	15°30	5°22	28°22	13°54	23°26	17°54	6°20	4°39	16°47	2° 4	F 29
S 30	2 34 1	6°44'14	0 8 7	29 ≏ 25	28°58	16° 9	5°31	28°17	13°58	23°28	17°54	6°18	4°36	16°54	2°11	S 30
S 31	2 37 57	7 M 44'06	12817	28 ♀ 30	0 M 13	16 ≏ 48	5 m /40	28 Y 13	14 M 1	23 х 30	17 Ⅱ 53	6 ₽ 14	4 ₾ 33	17 I 0	2 ₽ 19	S 31

Day	0	D	ğ	φ	ď	4	ħ)Å(卉	В	U	v t	, k
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
F 1 S 2	3 s11 3 34	3n18 0s13 7 5 1 22	15 s18 2 s42 15 45 2 48			12n 1 0n45 11 57 0 46	9n 4 2s45 9 2 2 45		21 s55 1n19 21 55 1 19		2 s34 2 34	2 s26 17n42 2 25 17 42	
S 3 M 4 T 5 W 6 T 7	3 57 4 20 4 43 5 6 5 29	13 23 3 22 15 39 4 8 17 14 4 44 18 4 5 7	16 33 3 0 16 55 3 5 17 16 3 9 17 35 3 14	2 43 1 27 5 2 14 1 28 0 1 45 1 28 1 15 1 28	1 9 1 0 0 54 0 59 0 38 0 59 0 23 0 59	11 53 0 46 11 49 0 46 11 45 0 46 11 41 0 46 11 37 0 46	8 59 2 46 8 58 2 46 8 56 2 46 8 54 2 46	15 11 0 23 15 12 0 23 15 13 0 23 15 14 0 23	21 55 1 18 21 55 1 18 21 55 1 18 21 56 1 18	12 45 10 11 12 45 10 11 12 45 10 11	2 33 2 33 2 33 2 33 2 32	2 24 17 43 2 22 17 43 2 21 17 44 2 20 17 44 2 19 17 44	2 37 3 28 2 41 3 27 2 44 3 27 2 47 3 27
F 8 S 9		17 20 5 13	18 6 3 20	0 16 1 28	0 s 8 0 58	11 33 0 47 11 30 0 47	8 51 2 46	15 17 0 23	21 56 1 18	12 44 10 11 12 44 10 11	2 32 2 32	2 17 17 45 2 16 17 45	2 54 3 27
S 10 M11 T 12 W13 T 14 F 15 S 16	6 38 7 0 7 23 7 45 8 8 8 30 8 52	13 27 4 24 10 26 3 39 6 50 2 41 2 46 1 33 1 s 34 0 18	18 41 3 25 18 43 3 24 18 41 3 21	4 0 43 1 28 5 1 13 1 28 5 1 42 1 28 4 2 12 1 28 2 42 1 27	0 39 0 58 0 55 0 58 1 10 0 57		8 48 2 46 8 46 2 46 8 44 2 46 8 43 2 46 8 41 2 46	15 19 0 23 15 20 0 23 15 21 0 22 15 22 0 22 15 23 0 22	21 56 1 18 21 56 1 18 21 56 1 18 21 56 1 18	12 44 10 12 12 44 10 12 12 43 10 12 12 43 10 12	2 32 2 32 2 33 2 33 2 34 2 34 2 34	2 15 17 46 2 13 17 46 2 12 17 47 2 11 17 47 2 10 17 47 2 8 17 48 2 7 17 48	3 0 3 27 3 3 3 26 3 7 3 26 3 10 3 26 3 13 3 26
S 17 M18 T 19 W20 T 21 F 22 S 23	9 14 9 36 9 57 10 19 10 40 11 2	10 3 2 17 13 34 3 25 16 14 4 19 17 49 4 56	18 27 3 12 18 14 3 6 17 57 2 57 17 35 2 47 17 9 2 35 16 39 2 22	2 3 41 1 27 6 4 11 1 26 7 4 40 1 25 7 5 9 1 25 6 5 39 1 24 2 6 8 1 23	2 13 0 56 2 28 0 56 2 43 0 56 2 59 0 55 3 14 0 55 3 30 0 55		8 38 2 46 8 36 2 46 8 34 2 46 8 33 2 46 8 31 2 46 8 29 2 46	15 25 0 22 15 26 0 22 15 27 0 22 15 29 0 22 15 30 0 22 15 31 0 22	21 57 1 18 21 57 1 18	12 43 10 13 12 42 10 13 12 42 10 13 12 42 10 13 12 42 10 13	2 33 2 33 2 32 2 31 2 30 2 29	2 6 17 49 2 5 17 49 2 3 17 49 2 2 17 50 2 1 17 50 2 0 17 51 1 58 17 51	3 19 3 26 3 23 3 26 3 26 3 26 3 29 3 26
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	12 4 12 25 12 45 13 5 13 25 13 45	9 30 3 21 5 45 2 21 1 47 1 15 2n11 0 6 6 1 1s 2 9 32 2 6	15 25 1 49 14 44 1 31 14 0 1 11 13 15 0 51 12 30 0 30 11 47 0 10 11 6 0n11 10s28 0n30	7 35 1 21 8 3 1 20 8 32 1 19 9 9 0 1 17 9 28 1 16 9 56 1 15	4 16 0 54 4 31 0 54 4 47 0 53 5 2 0 53 5 17 0 53 5 32 0 52	10 29 0 50 10 25 0 50 10 22 0 50	8 24 2 46 8 23 2 46 8 21 2 46 8 19 2 46 8 18 2 46 8 16 2 46	15 34 0 22 15 35 0 22 15 36 0 22 15 37 0 22 15 39 0 22 15 40 0 22	21 58 1 17 21 58 1 17	12 41 10 14	2 29 2 29 2 30 2 31 2 31 2 31 2 30 2 s28	1 57 17 51 1 56 17 52 1 55 17 52 1 53 17 52 1 52 17 53 1 51 17 53 1 50 17 54 1 548 17n54	3 48 3 25 3 51 3 25 3 54 3 25 3 57 3 25 4 0 3 25

Julian Day Number = 2504778.5, Delta T = 118.79 sec Ecliptic obliquity = 23°25′05, Nutation = $0^\circ00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^\circ46'37$, Lahiri = $25^\circ53'37$

NOVEMBER 2145 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ф(卉	Р	n	Ω	ţ	ę,	Day
M 1	2 41 54	8M44'00	24820	27°R44	1 M 28	17 ₽ 26	5 m 49	28°R 8	14 M 5	23 × 32	17°R52	6°R 9	4₽30	17 I 7	2 ≙ 27	M 1
T 2	2 45 51	9°43'56	6 Ⅱ 18	27 으 8	2°43	18° 5	5°58	28 ° 3	14° 9	23°33	17 Ⅲ 51	6 º 3	4°26	17°14	2°34	T 2
W 3	2 49 47	10°43'54	18°11	26°44	3°59	18°44	6° 7	27°59	14°13	23°35	17°50	5°56	4°23	17°21	2°42	W 3
T 4	2 53 44	11°43'55	0	26°32	5°14	19°23	6°15	27°54	14°16	23°37	17°49	5°50	4°20	17°27	2°50	T 4
F 5	2 57 40	12°43'57	11°54	26°D31	6°29	20° 2	6°24	27°50	14°20	23°39	17°48	5°45	4°17	17°34	2°57	F 5
S 6	3 1 37	13°44'01	23°51	26°41	7°44	20°41	6°32	27°45	14°24	23°40	17°47	5°41	4°14	17°41	3° 5	S 6
S 7	3 5 33	14°44'08	5 Ω 56	27° 2	9° 0	21°20	6°40	27°41	14°28	23°42	17°46	5°39	4°11	17°47	3°12	S 7
M 8	3 9 30	15°44'16	18°15	27°32	10°15	21°59	6°49	27°36	14°31	23°44	17°46	5°D38	4° 7	17°54	3°19	M 8
T 9	3 13 26	16°44'27	0 ₯ 52	28°11	11°30	22°38	6°56	27°32	14°35	23°46	17°45	5°39	4° 4	18° 1	3°27	T 9
W10	3 17 23	17°44'40	13°51	28°58	12°46	23°17	7° 4	27°27	14°39	23°48	17°44	5°41	4° 1	18° 8	3°34	W10
T 11	3 21 20	18°44'54	27°16	29°52	14° 1	23°56	7°12	27°23	14°43	23°50	17°43	5°42	3°58	18°14	3°41	T 11
F 12	3 25 16	19°45'11	11 ♀ 9	0ML52	15°16	24°35	7°20	27°19	14°46	23°52	17°42	5°R42	3°55	18°21	3°48	F 12
S 13	3 29 13	20°45'29	25°30	1°58	16°32	25°14	7°27	27°15	14°50	23°54	17°41	5°40	3°51	18°28	3°55	S 13
S 14	3 33 9	21°45'50	10 M .16	3° 8	17°47	25°53	7°34	27°11	14°54	23°56	17°40	5°37	3°48	18°34	4° 2	S 14
M15	3 37 6	22°46'12	25°19	4°23	19° 2	26°33	7°42	27° 6	14°58	23°58	17°39	5°31	3°45	18°41	4° 9	M15
T 16	3 41 2	23°46'36	10 × 31	5°41	20°18	27°12	7°49	27° 2	15° 1	24° 0	17°38	5°24	3°42	18°48	4°16	T 16
W17	3 44 59	24°47'02	25°41	7° 1	21°33	27°51	7°55	26°58	15° 5	24° 2	17°37	5°16	3°39	18°55	4°23	W17
T 18	3 48 55	25°47'29	10 る 39	8°25	22°48	28°30	8° 2	26°55	15° 9	24° 4	17°35	5° 8	3°36	19° 1	4°30	T 18
F 19	3 52 52	26°47'57	25°17	9°50	24° 4	29° 9	8° 9	26°51	15°13	24° 6	17°34	5° 3	3°32	19° 8	4°36	F 19
S 20	3 56 49	27°48'27	9 ≈ 30	11°17	25°19	29°49	8°15	26°47	15°16	24° 8	17°33	4°59	3°29	19°15	4°43	S 20
S 21	4 0 45	28°48'57	23°18	12°45	26°35	0 M 28	8°22	26°43	15°20	24°10	17°32	4°D57	3°26	19°21	4°49	S 21
M22	4 4 42	29°49'29	6) (40	14°15	27°50	1° 7	8°28	26°40	15°24	24°12	17°31	4°57	3°23	19°28	4°56	M22
T 23	4 8 38	0 ₮ 50'02	19°40	15°45	29° 5	1°46	8°34	26°36	15°27	24°14	17°30	4°58	3°20	19°35	5° 2	T 23
W24	4 12 35	1°50'37	2 Υ 21	17°17	0 ₹ 21	2°25	8°39	26°33	15°31	24°16	17°29	4°R59	3°17	19°42	5° 8	W24
T 25	4 16 31	2°51'12	14°47	18°49	1°36	3° 5	8°45	26°29	15°35	24°18	17°28	4°59	3°13	19°48	5°15	T 25
F 26	4 20 28	3°51'49	27° 2	20°21	2°52	3°44	8°51	26°26	15°38	24°21	17°27	4°56	3°10	19°55	5°21	F 26
S 27	4 24 24	4°52'27	9 8 8	21°54	4° 7	4°23	8°56	26°23	15°42	24°23	17°26	4°51	3° 7	20° 2	5°27	S 27
S 28	4 28 21	5°53'07	21° 9	23°27	5°22	5° 3	9° 1	26°20	15°45	24°25	17°25	4°43	3° 4	20° 9	5°33	S 28
M29	4 32 18	6°53'47	3 II 5	25° 0	6°38	5°42	9° 6	26°17	15°49	24°27	17°23	4°32	3° 1	20°15	5°39	M29
T 30	4 36 14	7 .₹ 54'29	14∏59	26 M 34	7 . ₹53	6 M 21	9 m 11	26 Y 14	15 M 53	24 × ⁷ 29	17 Ⅲ 22	4 ≏ 20	2 ≏ 57	20∏22	5 ≏ 44	T 30

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M 1		15n 5 3 s 52		n48 10s51 1n12		10n 9 0n51				12n40 10s14	2 s26	1 s47		4s 6 3s25
T 2 W 3	_	16 54 4 30 17 59 4 50		4 11 18 1 11 19 11 45 1 9	6 18 0 51 6 33 0 51		8 11 2 46 8 10 2 46			12 40 10 15 12 39 10 15	2 24 2 21	-	17 55 17 55	4 9 3 25 4 12 3 25
T 4	-	18 16 5 9		32 12 11 1 8	6 48 0 51	10 0 0 51	8 8 2 46		21 59 1 17		2 19		17 55	4 15 3 25
F 5		17 45 5 9		43 12 37 1 6	7 3 0 50		8 7 2 46			12 39 10 15	2 17	-	17 56	4 18 3 25
S 6	15 57	16 28 4 55	8 32 1	53 13 3 1 5	7 18 0 50	9 54 0 52	8 5 2 46	15 47 0 22	21 59 1 17	12 39 10 15	2 15	1 41	17 56	4 21 3 25
S 7		14 26 4 29			7 33 0 50		-			12 39 10 15	-	1 39		4 24 3 25
M 8 T 9					7 47 0 49					12 39 10 15	2 14		17 57	4 27 3 25
W10	16 49 17 6	8 23 2 58 4 34 1 56		11 14 19 1 0 14 14 44 0 58	8 2 0 49 8 17 0 49		-	15 51 0 22 15 52 0 22		12 38 10 15 12 38 10 15	2 15 2 15		17 57 17 57	4 30 3 24 4 33 3 24
T 11	17 23	0 23 0 46		16 15 8 0 56	8 32 0 48			15 53 0 22		12 38 10 15	2 16	1 34		4 35 3 24
F 12	17 40	3 s 57 0 n 2 9		17 15 32 0 54	8 46 0 48			15 54 0 22			2 16	1 33		4 38 3 24
S 13	17 56	8 13 1 45	5 10 1 2	16 15 56 0 52	9 1 0 48	9 35 0 53	7 55 2 45	15 55 0 22	22 0 1 17	12 38 10 15	2 15	1 32	17 58	4 41 3 24
S 14	18 11	12 6 2 56	0 10 26 2	15 16 19 0 50	9 16 0 47	9 33 0 53	7 54 2 45	15 56 0 22	22 0 1 17	12 38 10 15	2 14	1 31	17 59	4 44 3 24
M15					9 30 0 47			15 57 0 22			2 11	-	17 59	4 47 3 25
T 16	_		11 22 2		9 44 0 47	9 28 0 54		15 59 0 22		,	2 8		17 59	4 49 3 25
W17 T 18		18 18 5 3 17 55 5 6	3 11 52 2 5 12 23 2	6 17 25 0 44 2 17 47 0 42	9 59 0 46 10 13 0 46		7 50 2 44 7 49 2 44			12 37 10 16 12 37 10 16	2 5 2		18 0 18 0	4 52 3 25 4 55 3 25
F 19	19 11			57 18 7 0 40			7 48 2 44			12 37 10 16	2 2		18 0	4 57 3 25
S 20	19 39		-	52 18 28 0 38			7 46 2 44			12 37 10 16			18 1	5 0 3 25
S 21	19 53	10 31 3 25	13 58 1	46 18 48 0 36	10 56 0 45	9 17 0 55	7 45 2 43	16 4 0 22	22 1 1 17	12 37 10 16	1 58	1 22	18 1	5 3 3 25
M22	20 6				11 10 0 44	9 15 0 55	7 44 2 43				1 58	1 21	-	5 5 3 25
_	20 18	2 51 1 21			11 23 0 44	9 13 0 56					1 58	-	18 2	5 8 3 25
W24	20 31				11 37 0 44	9 11 0 56					1 59	-	18 2	5 10 3 25
T 25 F 26	20 43 20 54	5 1 0s52 8 37 1 55		21 20 2 0 27 15 20 19 0 25	11 51 0 43 12 5 0 43		7 41 2 43 7 40 2 42			12 36 10 16 12 36 10 16	1 59 1 57		18 2 18 2	5 13 3 25 5 15 3 25
					12 18 0 42			16 10 0 22		12 36 10 16	1 55	1 14		5 18 3 25
S 28	21 16	14 29 3 40	17 38 1	1 20 51 0 20	12 32 0 42	9 3 0 57	7 38 2 42	16 11 0 22	22 2 1 16	12 36 10 16	1 52	1 13	18 3	5 20 3 25
	21 27				12 46 0 41	9 2 0 57		16 12 0 22		12 36 10 16		1 12	-	5 23 3 25
T 30	21 s36	17n51 4s45	18 s 36 Or	n47 21 s21 0n15	12 s59 0n41	9n 0 0n57	7n36 2s42	16 s13 0n22	22s 2 1n16	12n36 10s16	1 s43	1 s10	18n 4	5 s 2 5 3 s 2 5

Julian Day Number = 2504809.5, Delta T = 118.85 sec Ecliptic obliquity = 23°25'04, Nutation = -0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°46'41, Lahiri = 25°53'41

DECEMBER 2145 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)∤(¥	Р	u	Ω	ţ	ķ	Day
W 1	4 40 11	8 × 755'13	26 I I51	28M 8	9 .7 9	7 ™ 1	9 m 16	26°R11	15 M .56	24 × 31	17°R21	4°R 7	2 ≏ 54	20∏29	5 ≙ 50	W 1
T 2	4 44 7	9°55'57	8 9 43	29°41	10°24	7°40	9°20	26 Y 8	16° 0	24°34	17Ⅲ20	3 ≏ 54	2°51	20°35	5°56	T 2
F 3	4 48 4	10°56'43	20°38	1 才 15	11°40	8°20	9°25	26° 5	16° 3	24°36	17°19	3°43	2°48	20°42	6° 1	F 3
S 4	4 52 0	11°57'31	2 Ω 36	2°49	12°55	8°59	9°29	26° 3	16° 7	24°38	17°18	3°34	2°45	20°49	6° 7	S 4
S 5	4 55 57	12°58'19	14°42	4°23	14°10	9°39	9°33	26° 0	16°10	24°40	17°17	3°28	2°42	20°56	6°12	S 5
M 6	4 59 53	13°59'09	26°58	5°57	15°26	10°18	9°37	25°58	16°14	24°43	17°15	3°24	2°38	21° 2	6°17	M 6
T 7	5 3 50	15° 0'01	9 m 30	7°31	16°41	10°58	9°40	25°56	16°17	24°45	17°14	3°23	2°35	21° 9	6°23	T 7
W 8	5 7 47	16° 0'53	22°22	9° 4	17°57	11°37	9°44	25°53	16°20	24°47	17°13	3°D23	2°32	21°16	6°28	W 8
T 9	5 11 43	17° 1'47	5 ≙ 37	10°38	19°12	12°17	9°47	25°51	16°24	24°49	17°12	3°R23	2°29	21°22	6°33	T 9
F 10	5 15 40	18° 2'43	19°21	12°12	20°28	12°56	9°50	25°49	16°27	24°52	17°11	3°22	2°26	21°29	6°38	F 10
S 11	5 19 36	19° 3'40	3 M .33	13°46	21°43	13°36	9°53	25°47	16°30	24°54	17°10	3°19	2°22	21°36	6°42	S 11
S 12	5 23 33	20° 4'37	18°14	15°20	22°59	14°15	9°56	25°45	16°34	24°56	17° 9	3°13	2°19	21°43	6°47	S 12
M13	5 27 29	21° 5'36	3 ∡ 18	16°54	24°14	14°55	9°58	25°44	16°37	24°58	17° 7	3° 4	2°16	21°49	6°52	M13
T 14	5 31 26	22° 6'37	18°37	18°28	25°30	15°35	10° 1	25°42	16°40	25° 1	17° 6	2°54	2°13	21°56	6°56	T 14
W15	5 35 22	23° 7'38	3 る 59	20° 2	26°45	16°14	10° 3	25°41	16°43	25° 3	17° 5	2°42	2°10	22° 3	7° 1	W15
T 16	5 39 19	24° 8'39	19°12	21°36	28° 1	16°54	10° 5	25°39	16°47	25° 5	17° 4	2°31	2° 7	22° 9	7° 5	T 16
F 17	5 43 16	25° 9'42	4≈ 7	23°11	29°16	17°34	10° 7	25°38	16°50	25° 7	17° 3	2°22	2° 3	22°16	7° 9	F 17
S 18	5 47 12	26°10'44	18°35	24°45	0 궁 31	18°13	10° 8	25°37	16°53	25°10	17° 2	2°15	2° 0	22°23	7°13	S 18
S 19	5 51 9	27°11'48	2 ∺ 33	26°19	1°47	18°53	10°10	25°36	16°56	25°12	17° 1	2°11	1°57	22°30	7°17	S 19
M20	5 55 5	28°12'51	16° 2	27°54	3° 2	19°33	10°11	25°35	16°59	25°14	16°59	2° 9	1°54	22°36	7°21	M20
T 21	5 59 2	29°13'55	29° 4	29°29	4°18	20°13	10°12	25°34	17° 2	25°16	16°58	2° 9	1°51	22°43	7°25	T 21
W22	6 2 58	0 궁 14'59	11 Y 43	1る 4	5°33	20°52	10°13	25°33	17° 5	25°19	16°57	2° 9	1°48	22°50	7°29	W22
T 23	6 6 5 5	1°16'03	24° 4	2°39	6°49	21°32	10°14	25°33	17° 8	25°21	16°56	2° 7	1°44	22°57	7°32	T 23
F 24	6 10 51	2°17'08	6812	4°14	8° 4	22°12	10°14	25°32	17°11	25°23	16°55	2° 4	1°41	23° 3	7°36	F 24
S 25	6 14 48	3°18'13	18°11	5°49	9°20	22°52	10°14	25°32	17°14	25°25	16°54	1°58	1°38	23°10	7°39	S 25
S 26	6 18 45	4°19'19	0耳 5	7°25	10°35	23°32	10°R15	25°31	17°17	25°28	16°53	1°48	1°35	23°17	7°42	S 26
M27	6 22 41	5°20'24	11°57	9° 1	11°51	24°12	10°14	25°31	17°20	25°30	16°52	1°36	1°32	23°23	7°46	M27
T 28	6 26 38	6°21'30	23°49	10°37	13° 6	24°51	10°14	25°D31	17°22	25°32	16°51	1°22	1°28	23°30	7°49	T 28
W29	6 30 34	7°22'36	5 95 43	12°13	14°21	25°31	10°14	25°31	17°25	25°34	16°49	1° 7	1°25	23°37	7°52	W29
T 30	6 34 31	8°23'43	17°39	1 <u>3</u> °50	1 <u>5</u> °37	26°11	10°13	25°31	17°28	25°37	16°48	0°52	1°22	23°44	7°54	T 30
F 31	6 38 27	9 පි 24'50	299540	15 る 27	16 ප 52	26ML51	10 m 12	25 Y 32	17 M 31	25 × ⁷ 39	16 Ⅱ 47	0 ჲ 39	1 ≏ 19	23 Ⅱ 50	7 ≙ 57	F 31

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W 1 T 2 F 3 S 4	21 s46 21 55 22 4 22 12	18 7 5 1 17 4 4 49	19 32 0 3 19 58 0 2	40 21 s35 0n13 13: 33 21 49 0 10 13 26 22 2 0 8 13 19 22 14 0 6 13	25 0 40 39 0 40	8 56 0 5	3 7 35 2 41 3 7 34 2 41	16s14 0n22 16 15 0 22 16 16 0 22 16 17 0 22	22 2 1 16	12 36 10 16 12 36 10 16	1 s38 1 33 1 29 1 25	1 s 9 18n 4 1 8 18 4 1 7 18 4 1 5 18 5	5 s 27 3 s 25 5 30 3 25 5 32 3 25 5 34 3 25
S 5 M 6 T 7 W 8	22 20 22 27 22 34 22 41	12 46 3 48 9 41 3 0 6 6 2 3 2 8 0 58	20 49 0 1 21 12 0 21 35 0s 21 56 0	12 22 26 0 3 14 5 22 36 0 1 14 2 22 47 0s 1 14 9 22 56 0 4 14	4 0 39 17 0 38 30 0 38	8 53 0 58 8 52 0 59 8 51 0 59	3 7 33 2 40 9 7 32 2 40 9 7 31 2 40	16 18 0 22 16 19 0 22 16 20 0 22 16 21 0 22	22 2 1 16 22 2 1 16 22 3 1 16 22 3 1 16	12 35 10 16 12 35 10 16 12 35 10 16 12 35 10 16	1 22 1 21 1 20 1 20	1 4 18 5 1 3 18 5 1 2 18 5 1 0 18 6	5 36 3 25 5 38 3 26 5 41 3 26 5 43 3 26
T 9 F 10 S 11 S 12	22 47 22 53 22 58 23 3	6 17 1 24 10 18 2 32	22 36 0 2	16 23 5 0 6 14 23 23 13 0 9 15 29 23 21 0 11 15 36 23 27 0 13 15	8 0 37 20 0 36		7 30 2 39 7 29 2 39	16 22 0 22 16 23 0 22 16 24 0 22 16 25 0 22	22 3 1 16 22 3 1 16	12 35 10 16 12 35 10 16 12 35 10 16 12 35 10 16	1 20	0 59 18 6 0 58 18 6 0 57 18 6 0 55 18 7	5 45 3 26 5 47 3 26 5 49 3 26 5 51 3 26
M13 T 14 W15 T 16 F 17	23 14	18 5 4 51 18 21 5 0 17 17 4 48	23 57 0 5	48 23 39 0 18 15	56 0 35 8 0 34 20 0 34	8 44 1 8 44 1	7 28 2 38 7 28 2 38 7 28 2 38 7 28 2 38	16 26 0 22 16 27 0 22 16 28 0 22 16 29 0 22 16 30 0 22	22 3 1 16 22 3 1 16 22 3 1 16	12 35 10 15 12 35 10 15 12 35 10 15	1 13 1 9 1 4 1 0 0 56	0 54 18 7 0 53 18 7 0 52 18 7 0 50 18 8 0 49 18 8	5 53 3 26 5 55 3 26 5 56 3 26 5 58 3 26 6 0 3 27
S 18 S 19 M20 T 21 W22	23 22 23 23 23 24 23 25 23 25	8 14 2 30 4 13 1 24 0 7 0 16	24 39 1 1	27 23 55 0 34 17	54 0 32 6 0 32 17 0 31	8 43 1 2 8 42 1 2 8 42 1 3	2 7 27 2 37 2 7 27 2 36 3 7 27 2 36	16 33 0 22	22 4 1 16 22 4 1 16 22 4 1 16	12 35 10 15	0 54 0 52 0 51 0 51 0 51	0 48 18 8 0 47 18 8 0 45 18 8 0 44 18 9 0 43 18 9	6 2 3 27 6 3 3 27 6 5 3 27 6 7 3 27 6 8 3 27
T 23 F 24 S 25 S 26	23 25 23 24	7 34 1 53 10 54 2 49 13 45 3 37	25 0 1 3 25 1 1 2 25 2 1 4	36 23 53 0 39 17	39 0 30 50 0 30 0 0 29	8 42 1 8 42 1 8 42 1	3 7 27 2 36 3 7 27 2 35 4 7 27 2 35	16 34 0 22 16 35 0 22 16 36 0 22 16 37 0 22 16 37 0 22	22 4 1 16 22 4 1 16 22 4 1 16	12 35 10 15 12 35 10 15	0 51 0 51 0 49 0 47 0 43	0 43 18 9 0 41 18 9 0 40 18 9 0 39 18 9 0 38 18 10	6 8 3 27 6 10 3 27 6 11 3 27 6 13 3 27 6 14 3 27
M27 T 28 W29 T 30	23 19 23 16	17 32 4 42 18 20 4 57 18 20 4 58 17 31 4 47	24 58 1 5 24 54 1 5 24 49 1 5 24 42 2		21 0 28 31 0 27 41 0 27 51 0 26	8 43 1 8 43 1 8 44 1 8 44 1 1	4 7 28 2 34 5 7 28 2 34 5 7 28 2 34 5 7 28 2 34 5 7 28 2 34	16 38 0 22 16 39 0 22 16 40 0 22 16 40 0 22	22 4 1 16 22 4 1 16 22 5 1 16 22 5 1 16	12 35 10 14 12 35 10 14 12 35 10 14	0 38 0 33 0 27 0 21 0s15	0 36 18 10 0 36 18 10 0 35 18 10 0 34 18 10 0 33 18 10 0 s31 18n11	6 15 3 28 6 17 3 28 6 18 3 28 6 19 3 28 6 s20 3 s28

Julian Day Number = 2504839.5, Delta T = 118.90 sec Ecliptic obliquity = $23^{\circ}25'03$, Nutation = - $0^{\circ}00'00$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}46'45$, Lahiri = $25^{\circ}53'46$