

Astrodienst Ephemeris Tables for the year 2099

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 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ф(¥	Р	r	v	Ç	ķ	Day
T 1	6 43 54	10 ට 51'10	24 Y 11	6 ට 17	25 M 4	0 √ 1	23 m/11	13 <u>₽</u> 50	13 ° 47	15°R 4	1°R25	10°R14	10 Υ 16	1) 45	18 M .10	T 1
F 2	6 47 51	11°52'19	6 8 43	7°52	26°11	0°41	23°12	13°52	13°47	15 Mp 4	1 8 25	10 Y 13	10°13	1°52	18°17	F 2
S 3	6 51 47	12°53'27	19°39	9°27	27°18	1°22	23°13	13°54	13°48	15° 3	1°25	10° 9	10° 9	1°58	18°23	S 3
S 4	6 55 44	13°54'35	3 I I 3	11° 3	28°25	2° 2	23°14	13°56	13°48	15° 3	1°25	10° 2	10° 6	2° 5	18°29	S 4
M 5	6 59 40	14°55'43	16°55	12°39	29°33	2°43	23°15	13°58	13°49	15° 2	1°24	9°52	10° 3	2°12	18°35	M 5
T 6	7 3 3 7	15°56'51	19914	14°15	0 ∡ 741	3°23	23°15	14° 0	13°50	15° 1	1°24	9°41	10° 0	2°18	18°41	T 6
W 7	7 7 34	16°57'59	15°54	15°52	1°48	4° 4	23°R15	14° 2	13°51	15° 1	1°24	9°29	9°57	2°25	18°46	W 7
T 8	7 11 30	17°59'07	0 Ω 47	17°29	2°57	4°44	23°15	14° 3	13°51	15° 0	1°24	9°17	9°54	2°32	18°52	T 8
F 9	7 15 27	19° 0'14	15°45	19° 6	4° 5	5°25	23°15	14° 5	13°52	14°59	1°24	9° 7	9°50	2°38	18°58	F 9
S 10	7 19 23	20° 1'22	0 m 38	20°44	5°14	6° 5	23°14	14° 6	13°53	14°58	1°24	9° 0	9°47	2°45	19° 4	S 10
S 11	7 23 20	21° 2'29	15°19	22°22	6°22	6°46	23°14	14° 8	13°54	14°58	1°24	8°56	9°44	2°52	19° 9	S 11
M12	7 27 16	22° 3'37	29°43	24° 1	7°31	7°27	23°13	14° 9	13°55	14°57	1°23	8°54	9°41	2°58	19°14	M12
T 13	7 31 13	23° 4'44	13 ≏ 47	25°40	8°40	8° 7	23°12	14°10	13°56	14°56	1°23	8°D54	9°38	3° 5	19°20	T 13
W14	7 35 9	24° 5'51	27°32	27°20	9°49	8°48	23°11	14°11	13°57	14°55	1°23	8°R54	9°35	3°12	19°25	W14
T 15	7 39 6	25° 6'59	10 M 59	29° 0	10°59	9°29	23°10	14°12	13°59	14°54	1°D23	8°53	9°31	3°18	19°30	T 15
F 16	7 43 3	26° 8'06	24° 9	0≈41	12° 8	10° 9	23° 8	14°13	14° 0	14°53	1°23	8°50	9°28	3°25	19°35	F 16
S 17	7 46 59	27° 9'14	7 .₹ 5	2°22	13°18	10°50	23° 6	14°13	14° 1	14°52	1°23	8°44	9°25	3°32	19°40	S 17
S 18	7 50 56	28°10'21	19°49	4° 3	14°27	11°31	23° 4	14°14	14° 2	14°51	1°24	8°35	9°22	3°39	19°45	S 18
M19	7 54 52	29°11'28	2 る 22	5°45	15°37	12°12	23° 2	14°14	14° 4	14°50	1°24	8°24	9°19	3°45	19°50	M19
T 20	7 58 49	0≈12'34	14°46	7°27	16°47	12°53	23° 0	14°15	14° 5	14°49	1°24	8°11	9°15	3°52	19°55	T 20
W21	8 2 45	1°13'40	26°59	9° 9	17°57	13°34	22°57	14°15	14° 7	14°48	1°24	7°58	9°12	3°59	19°59	W21
T 22	8 6 42	2°14'45	9≈ 5	10°52	19° 7	14°14	22°55	14°15	14° 8	14°47	1°24	7°45	9° 9	4° 5	20° 4	T 22
F 23	8 10 38	3°15'50	21° 2	12°35	20°18	14°55	22°52	14°R15	14°10	14°46	1°24	7°34	9° 6	4°12	20° 8	F 23
S 24	8 14 35	4°16'53	2 ∺ 54	14°18	21°28	15°36	22°49	14°15	14°11	14°45	1°24	7°26	9° 3	4°19	20°13	S 24
S 25	8 18 32	5°17'56	14°41	16° 1	22°39	16°17	22°45	14°15	14°13	14°43	1°25	7°20	9° 0	4°25	20°17	S 25
M26	8 22 28	6°18'58	26°28	17°43	23°49	16°58	22°42	14°15	14°15	14°42	1°25	7°18	8°56	4°32	20°21	M26
T 27	8 26 25	7°19'59	8 Υ 18	19°26	25° 0	17°39	22°38	14°14	14°16	14°41	1°25	7°D17	8°53	4°39	20°25	T 27
W28	8 30 21	8°20'59	20°15	21° 8	26°11	18°20	22°34	14°14	14°18	14°40	1°25	7°17	8°50	4°45	20°29	W28
T 29	8 34 18	9°21'58	2 8 25	22°49	27°21	19° 1	22°30	14°13	14°20	14°38	1°26	7°18	8°47	4°52	20°33	T 29
F 30	8 38 14	10°22'55	14°52	24°29	28°32	19°42	22°26	14°12	14°22	14°37	1°26	7°R18	8°44	4°59	20°37	F 30
S 31	8 42 11	11≈23'52	27 8 43	26≈ 8	29 х 43	20 × 23	22 Mg 22	14 ₽ 11	14 Y 24	14 M 36	1826	7 Υ 17	8 Ƴ 41	5 米 5	20 M 40	S 31

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T 1 F 2 S 3	-	15 53 2 13	5 24 39 1	1 27 16 28 2	155 19 s49 54 19 58 53 20 7	0n20 0 19 0 18	3n50 3 50 3 50	1n14 1 14 1 14	3 s16 3 16 3 17	2n23 2 23 2 23	4n50 4 50 4 50	0 39	6 43	0n54 0 54 0 55	3 s59 16 s58 3 59 16 58 3 59 16 57	4 2	4n 4 4 3 4 1		15 52 1 2	28
S 4 M 5 T 6 W 7 T 8 F 9	22 36 22 29 22 21 22 13	27 23 4 3° 28 22 4 5° 27 25 4 58 24 31 4 40	7 24 30 1 7 24 24 1 8 24 16 1 0 24 8 1	1 40 17 15 2 1 44 17 30 2 1 48 17 45 2 1 51 18 0 2	52 20 16 51 20 25 50 20 33 49 20 41 48 20 49 46 20 57	0 18 0 17 0 17 0 16 0 15 0 15	3 50 3 50 3 50 3 50 3 50 3 51	1 15 1 15 1 15 1 15 1 16 1 16	3 17 3 18 3 18 3 19 3 19 3 19	2 24 2 24 2 24 2 24 2 25 2 25	4 50 4 51 4 51 4 51 4 52 4 52	0 39 0 39 0 39 0 39	6 44 6 44 6 45 6 45	0 55 0 55 0 55 0 55 0 55 0 55	3 58 16 57 3 58 16 57 3 58 16 56 3 58 16 56 3 57 16 56 3 57 16 55	3 55 3 50 3 45 3 41	3 58 3 56 3 55	13 41 13 38 13 35 13 32 13 29 13 26	15 57 1 2 15 58 1 3 15 59 1 3	29 29 30 30
	21 56 21 47 21 37	14 10 3	23 45 1 23 32 1	1 57 18 27 2 1 59 18 41 2	46 20 37 45 21 5 43 21 13 42 21 20	0 13 0 14 0 13 0 13	3 51 3 51 3 52 3 52	1 16 1 16 1 17 1 17	3 20 3 20 3 20 3 20	2 25 2 25 2 26 2 26	4 52 4 53 4 53 4 53	0 39	6 46 6 46	0 55 0 55 0 55	3 57 16 55 3 57 16 55 3 56 16 55 3 56 16 54	3 34 3 32	3 53	13 2313 20	16 1 1 3 16 2 1 3	31
T 13 W14 T 15 F 16 S 17	21 27 21 17 21 6 20 55	5 s 5 0 0 s 2 0 12 6 1 3 3 17 4 0 2 4 4 22 17 3 3 3	5 23 1 2 7 22 43 2 1 22 24 2	2 3 19 7 2 2 5 19 19 2 2 6 19 31 2 2 6 19 42 2	42 21 20 40 21 27 38 21 34 36 21 41 34 21 48 31 21 54	0 12 0 11 0 11 0 10 0 9	3 53 3 53 3 54 3 55 3 56	1 17 1 17 1 17 1 18 1 18 1 18	3 20 3 20 3 21 3 21 3 21 3 21	2 26 2 26 2 27 2 27 2 27 2 27	4 54 4 54 4 55 4 55 4 56	0 39 0 39 0 39 0 39 0 39	6 47 6 47 6 47 6 48	0 55 0 55 0 55 0 55 0 55 0 55	3 56 16 54 3 55 16 53 3 55 16 53 3 55 16 53 3 54 16 52	3 32 3 32 3 31 3 30	3 49	13 14 13 11 13 8 13 4	16 4 1 3	32 33 33 34
S 18 M19 T 20 W21 T 22 F 23 S 24	20 19 20 6 19 53 19 39	28 24 5 0 27 34 5 0 25 25 4 4: 22 8 4 18 17 57 3 40		2 5 20 13 2 2 4 20 23 2 2 2 20 32 2 2 0 20 40 2 1 57 20 48 2	29 22 1 27 22 7 24 22 13 22 22 19 19 22 24 17 22 30 14 22 35	0 9 0 8 0 7 0 7 0 6 0 5 0 4	3 57 3 58 3 59 4 1 4 2 4 3 4 5	1 19 1 19 1 19 1 19 1 20 1 20 1 20	3 21 3 20 3 20 3 20 3 20 3 20 3 20 3 19	2 28 2 28 2 28 2 28 2 29 2 29 2 29	4 56 4 57 4 58 4 58 4 59 4 59 5 0	0 39 0 39 0 39 0 39 0 39 0 39 0 39	6 49 6 49 6 50 6 50 6 51	0 55 0 55 0 55 0 55 0 55 0 55 0 55	3 54 16 52 3 54 16 52 3 53 16 51 3 53 16 51 3 52 16 50 3 52 16 50 3 52 16 50	3 20 3 15 3 9 3 4 3 0	3 41 3 40 3 39 3 38 3 36	12 46	16 10 1 3 16 11 1 3 16 11 1 3 16 12 1 3 16 13 1 3	35 35 36 36 37
S 25 M26 T 27 W28 T 29 F 30 S 31	17 38	2 17 0 58 3n22 0n 3 8 58 1 9 14 21 2 1 19 17 3 8	3 17 11 1 5 16 34 1 9 15 56 1 1 15 17 1 3 14 37 1	1 45 21 9 2 1 40 21 15 2 1 34 21 20 2 1 27 21 25 2 1 20 21 29 1	11 22 40 8 22 45 6 22 49 3 22 54 0 22 58 57 23 2 153 23 s 6	0 4 0 3 0 2 0 1 0 1 0s 0 0s 1	4 6 4 8 4 10 4 11 4 13 4 15 4n17	1 20 1 21 1 21 1 21 1 21 1 22 1n22	3 19 3 19 3 18 3 18 3 17 3 17 3 s16	2 30 2 30 2 30 2 30 2 31 2 31 2n31	5 1 5 1 5 2 5 3 5 4 5 4 5 5	0 39 0 38 0 38 0 38 0 38 0 38	6 52 6 53 6 53 6 54 6 54	0 55 0 55 0 55 0 55 0 55 0 55 0 55	3 51 16 49 3 51 16 49 3 50 16 49 3 50 16 48 3 50 16 48 3 49 16 48 3 849 16847	2 54 2 53 2 54 2 54 2 54	3 33 3 31 3 30 3 29 3 28	12 36 12 33 12 30 12 27 12 24 12 21 12s18	16 15 1 3 16 16 1 3 16 16 1 3 16 17 1 4 16 17 1 4	38 39 39 40 40

Julian Day Number = 2487704.5, Delta T = 92.72 sec Ecliptic obliquity = $23^{\circ}25'44$, Nutation = - $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}07'25$, Lahiri = $25^{\circ}14'25$

FEBRUARY 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ф(卉	Р	R	Ω	Ç	ķ	Day
S 1	8 46 7	12≈24'47	11 I 1	27≈45	0 ට 55	21 🖍 4	22°R17	14°R11	14Υ26	14°R35	1827	7°R13	8 Ƴ 37	5) 12	20 M 44	S 1
M 2	8 50 4	13°25'41	24°49	29°21	2° 6	21°45	22 m 13	14 ♀ 9	14°28	14 m 33	1°27	7 Y 7	8°34	5°19	20°47	M 2
T 3	8 54 1	14°26'34	995 6	0 ∺ 53	3°17	22°26	22° 8	14° 8	14°30	14°32	1°28	7° 0	8°31	5°25	20°51	T 3
W 4	8 57 57	15°27'26	23°49	2°23	4°28	23° 8	22° 3	14° 7	14°32	14°30	1°28	6°52	8°28	5°32	20°54	W 4
T 5	9 1 54	16°28'16	8 Ω 53	3°49	5°40	23°49	21°58	14° 6	14°34	14°29	1°29	6°43	8°25	5°39	20°57	T 5
F 6	9 5 50	17°29'05	24° 6	5°11	6°51	24°30	21°53	14° 4	14°36	14°28	1°29	6°36	8°21	5°45	21° 0	F 6
S 7	9 9 47	18°29'53	9 m 19	6°28	8° 3	25°11	21°47	14° 3	14°39	14°26	1°30	6°32	8°18	5°52	21° 3	S 7
S 8	9 13 43	19°30'40	24°22	7°39	9°14	25°52	21°42	14° 1	14°41	14°25	1°30	6°29	8°15	5°59	21° 6	S 8
M 9	9 17 40	20°31'25	9 亞 6	8°44	10°26	26°33	21°36	13°59	14°43	14°23	1°31	6°D28	8°12	6° 5	21° 9	M 9
T 10	9 21 36	21°32'10	23°27	9°42	11°38	27°15	21°30	13°57	14°45	14°22	1°31	6°29	8° 9	6°12	21°11	T 10
W11	9 25 33	22°32'54	7 M 23	10°31	12°50	27°56	21°24	13°55	14°48	14°20	1°32	6°30	8° 6	6°19	21°14	W11
T 12	9 29 30	23°33'37	20°55	11°13	14° 2	28°37	21°18	13°53	14°50	14°19	1°32	6°R31	8° 2	6°25	21°16	T 12
F 13	9 33 26	24°34'19	4 才 4	11°44	15°14	29°19	21°12	13°51	14°53	14°17	1°33	6°31	7°59	6°32	21°18	F 13
S 14	9 37 23	25°35'00	16°54	12° 7	16°26	29°59	21° 5	13°49	14°55	14°16	1°34	6°29	7°56	6°39	21°21	S 14
S 15	9 41 19	26°35'40	29°28	12°18	17°38	0 궁 41	20°59	13°47	14°58	14°14	1°34	6°24	7°53	6°45	21°23	S 15
M16	9 45 16	27°36'18	11 る 48	12°R20	18°50	1°23	20°52	13°44	15° 0	14°12	1°35	6°19	7°50	6°52	21°25	M16
T 17	9 49 12	28°36'56	23°58	12°10	20° 2	2° 4	20°46	13°42	15° 3	14°11	1°36	6°12	7°47	6°59	21°26	T 17
W18	9 53 9	29°37'32	6≈ 0	11°51	21°14	2°45	20°39	13°39	15° 5	14° 9	1°36	6° 5	7°43	7° 5	21°28	W18
T 19	9 57 5	0) €38'06	17°56	11°21	22°26	3°27	20°32	13°36	15° 8	14° 8	1°37	5°58	7°40	7°12	21°30	T 19
F 20	10 1 2	1°38'39	29°47	10°43	23°39	4° 8	20°25	13°34	15°11	14° 6	1°38	5°52	7°37	7°19	21°31	F 20
S 21	10 4 59	2°39'11	11 米 36	9°56	24°51	4°50	20°18	13°31	15°13	14° 4	1°39	5°48	7°34	7°25	21°32	S 21
S 22	10 8 55	3°39'41	23°24	9° 2	26° 3	5°31	20°11	13°28	15°16	14° 3	1°39	5°45	7°31	7°32	21°34	S 22
M23	10 12 52	4°40'09	5 Υ 13	8° 3	27°16	6°13	20° 3	13°25	15°19	14° 1	1°40	5°D44	7°27	7°39	21°35	M23
T 24	10 16 48	5°40'35	17° 6	7° 0	28°28	6°54	19°56	13°21	15°22	13°59	1°41	5°45	7°24	7°45	21°36	T 24
W25	10 20 45	6°41'00	29° 7	5°55	29°41	7°36	19°48	13°18	15°24	13°58	1°42	5°46	7°21	7°52	21°37	W25
T 26	10 24 41	7°41'23	11820	4°49	0≈53	8°17	19°41	13°15	15°27	13°56	1°43	5°48	7°18	7°59	21°38	T 26
F 27	10 28 38	8°41'44	23°47	3°44	2° 6	<u>8°59</u>	19°33	13°12	15°30	13°54	1°44	5°50	7°15	8° 5	21°38	F 27
S 28	10 32 34	9) 42′03	6 Ⅱ 34	2) 42	3≈18	9 궁 40	19 m 26	13 ₾ 8	15 Y 33	13 m 53	1 8 45	5°R50	7 Υ 12	8 ∺ 12	21 M 39	S 28

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S 1	17s 4	26n38 4r	n35 13 s14	1s 3 21s35	1n50 23 s	9 0s 2	4n19	1n22	3 s 1 6	2n31	5n 6	0s38	6n55	0n55	3 s48 16 s47	2n52	3n25	12s15	16s18	1n41
M 2	16 47	28 19 5	0 12 31	0 53 21 38	1 47 23	13 0 2	4 21	1 22	3 15	2 32	5 7	0 38	6 56	0 56	3 48 16 47	2 50	3 24	12 11	16 19	1 42
T 3	16 29	28 13 5	6 11 49	0 42 21 39	1 44 23	16 0 3	4 23	1 23	3 14	2 32	5 8	0 38	6 57	0 56	3 47 16 46	2 47	3 23	12 8	16 19	1 42
W 4	16 12	26 9 4	53 11 6	0 31 21 41	1 41 23	19 0 4	4 25	1 23	3 13	2 32	5 8	0 38	6 57	0 56	3 47 16 46	2 43	3 21	12 5	16 19	1 43
T 5	15 54	22 13 4	20 10 24	0 19 21 41	1 37 23		4 27	1 23	3 13	2 33	5 9	0 38	6 58	0 56	3 46 16 46	2 40	3 20	12 2	16 20	1 43
F 6					1 34 23		4 30	1 23	3 12	2 33	5 10		6 58	0 56	3 46 16 45			11 59		1 44
S 7	15 17	10 15 2	21 9 1	0n 8 21 41	1 31 23	27 0 6	4 32	1 23	3 11	2 33	5 11	0 38	6 59	0 56	3 45 16 45	2 35	3 18	11 56	16 20	1 44
S 8	14 58	3 14 1	5 8 21	0 22 21 39	1 27 23	29 0 7	4 34	1 24	3 10	2 33	5 12	0 38	6 59	0 56	3 45 16 44	2 34	3 16	11 52	16 21	1 45
M 9	14 39	3 s49 0 s	s14 7 43	0 37 21 38	1 24 23	31 0 8	4 37	1 24	3 9	2 34	5 13	0 38	7 0	0 56	3 44 16 44	2 34	3 15	11 49	16 21	1 45
T 10	14 19	10 31 1	31 7 7	0 52 21 35	1 20 23	33 0 9	4 39	1 24	3 8	2 34	5 14	0 38	7 1	0 56	3 44 16 44	2 34	3 14	11 46	16 21	1 46
W11	14 0	16 29 2	39 6 34	1 8 21 32	1 17 23	34 0 10	4 42	1 24	3 7	2 34	5 15	0 38	7 1	0 56	3 43 16 43	2 35	3 13	11 43	16 21	1 46
T 12	13 40	21 28 3	37 6 3	1 24 21 28			4 45	1 25	3 6	2 34	5 16	0 38	7 2	0 56	3 43 16 43	2 35	3 11	11 40	16 21	1 47
F 13	13 20	25 14 4	22 5 36				4 47	1 25	3 5	2 35	5 17	0 38	7 2	0 56	3 42 16 43	2 35	3 10	11 37	16 21	1 47
S 14	12 59	27 38 4	52 5 13	1 57 21 19	1 6 23	38 0 12	4 50	1 25	3 4	2 35	5 18	0 38	7 3	0 56	3 42 16 42	2 34	3 9	11 33	16 21	1 48
S 15	12 39	28 33 5	8 4 54	2 13 21 14	1 3 23	39 0 13	4 53	1 25	3 3	2 35	5 19	0 38	7 4	0 56	3 41 16 42	2 33	3 8	11 30	16 21	1 48
M16	12 18	-						1 25	3 2	2 35	5 20		7 4	0 56	3 41 16 42			11 27	-	1 49
T 17	11 57			_	0 56 23			1 25	3 1	2 36	5 21	0 38	7 5	0 56	3 40 16 41	1		11 24		1 49
W18	11 36		29 4 24				-	1 26	2 59	2 36	5 22	0 38	7 6	0 56	3 40 16 41	2 25		11 21	-	1 50
T 19	11 15		51 4 23				-	1 26	2 58	2 36	5 23	0 38	7 6	0 56	3 39 16 41			11 17		1 50
F 20	10 53	_	4 4 28		0 45 23			1 26	2 57	2 36	5 24	0 38	7 7	0 56	3 39 16 41	2 20		11 14	-	1 51
S 21	10 31	9 11 2	8 4 37	3 29 20 28	0 42 23	0 18	5 10	1 26	2 56	2 37	5 25	0 38	7 7	0 56	3 38 16 40	2 18	3 0	11 11	16 21	1 51
S 22	10 10	3 39 1	7 4 51	3 35 20 18	0 38 23	38 0 19	5 13	1 26	2 54	2 37	5 26	0 38	7 8	0 56	3 37 16 40	2 17	2 59	11 8	16 21	1 52
M23	9 48	2n 2 0	3 5 8	3 40 20 8	0 35 23	37 0 20	5 16	1 26	2 53	2 37	5 27	0 38	7 9	0 56	3 37 16 40	2 17	2 57	11 5	16 21	1 52
T 24	9 26	7 40 1r	n 2 5 29	3 43 19 57	0 31 23	36 0 21	5 19	1 27	2 51	2 37	5 28	0 38	7 9	0 56	3 36 16 39	2 17	2 56	11 1	16 20	1 53
W25	9 3	13 6 2	5 5 53	3 43 19 45	0 28 23	35 0 22	5 22	1 27	2 50	2 37	5 29	0 38	7 10	0 56	3 36 16 39	2 18	2 55	10 58	16 20	1 53
T 26	8 41	18 7 3	3 6 19	3 41 19 33	0 24 23	0 23	5 25	1 27	2 48	2 38	5 30	0 38	7 11	0 56	3 35 16 39	2 18	2 54	10 55	16 20	1 54
F 27	8 18	22 29 3	54 6 46	3 37 19 21	0 21 23	31 0 24	5 28	1 27	2 47	2 38	5 31	0 38	7 11	0 56	3 35 16 38	2 19	2 52	10 52	16 20	1 54
S 28	7 s56	25n55 4r	n35 7s14	3n31 19s 7	0n18 23 s	29 0 s 2 5	5n31	1n27	2 s45	2n38	5n33	0s38	7n12	0n56	3 s34 16 s38	2n19	2n51	10 s49	16s19	1n55

 $\label{eq:Julian Day Number = 2487735.5, Delta\ T = 92.76\ sec} \\ Ecliptic\ obliquity = 23°25'44, Nutation = -0°00'01, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 26°07'29, Lahiri = 25°14'29 \\$

MARCH 2099 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)Å(¥	Р	u	v	Ç	, k	Day
S 1	10 36 31	10) 42'20	19 Ⅱ 45	1°R44	4≈31	10 る 22	19°R18	13°R 5	15 Y 36	13°R51	1846	5°R50	7 Υ 8	8) 19	21 M 39	S 1
M 2	10 40 28	11°42'35	39523	0 ∺ 50	5°44	11° 4	19 m)10	13 ♀ 1	15°39	13 m 49	1°47	5 Υ 49	7° 5	8°25	21°40	M 2
T 3	10 44 24	12°42'48	17°28	0° 2	6°56	11°45	19° 3	12°57	15°42	13°48	1°47	5°46	7° 2	8°32	21°40	T 3
W 4	10 48 21	13°42'59	1 Ω 59	29≈21	8° 9	12°27	18°55	12°54	15°45	13°46	1°48	5°43	6°59	8°39	21°40	W 4
T 5	10 52 17	14°43'08	16°54	28°46	9°22	13° 8	18°47	12°50	15°48	13°44	1°49	5°40	6°56	8°45	21°R40	T 5
F 6	10 56 14	15°43'14	2 Mg 3	28°18	10°35	13°50	18°39	12°46	15°51	13°43	1°50	5°38	6°53	8°52	21°40	F 6
S 7	11 0 10	16°43'19	17°18	27°57	11°47	14°32	18°32	12°42	15°54	13°41	1°51	5°36	6°49	8°59	21°40	S 7
S 8	11 4 7	17°43'22	2 ₾ 29	27°42	13° 0	15°13	18°24	12°38	15°57	13°39	1°52	5°D36	6°46	9° 5	21°39	S 8
M 9	11 8 3	18°43'23	17°27	27°35	14°13	15°55	18°16	12°34	16° 0	13°38	1°54	5°36	6°43	9°12	21°39	M 9
T 10	11 12 0	19°43'23	2 m 3	27°D34	15°26	16°37	18° 8	12°30	16° 4	13°36	1°55	5°37	6°40	9°19	21°38	T 10
W11	11 15 57	20°43'21	16°14	27°39	16°39	17°19	18° 0	12°26	16° 7	13°34	1°56	5°38	6°37	9°25	21°38	W11
T 12	11 19 53	21°43'17	29°58	27°50	17°52	18° 0	17°52	12°22	16°10	13°33	1°57	5°39	6°33	9°32	21°37	T 12
F 13	11 23 50	22°43'12	13 × 15	28° 7	19° 5	18°42	17°45	12°18	16°13	13°31	1°58	5°40	6°30	9°38	21°36	F 13
S 14	11 27 46	23°43'05	26° 9	28°29	20°18	19°24	17°37	12°13	16°16	13°29	1°59	5°R40	6°27	9°45	21°35	S 14
S 15	11 31 43	24°42'57	8 국 42	28°56	21°31	20° 6	17°29	12° 9	16°20	13°28	2° 0	5°40	6°24	9°52	21°34	S 15
M16	11 35 39	25°42'46	20°58	29°28	22°44	20°47	17°21	12° 5	16°23	13°26	2° 1	5°39	6°21	9°58	21°33	M16
T 17	11 39 36	26°42'34	3≈ 2	0) 4	23°57	21°29	17°14	12° 0	16°26	13°25	2° 2	5°38	6°18	10° 5	21°31	T 17
W18	11 43 32	27°42'21	14°57	0°44	25°10	22°11	17° 6	11°56	16°29	13°23	2° 4	5°36	6°14	10°12	21°30	W18
T 19	11 47 29	28°42'05	26°47	1°28	26°23	22°53	16°59	11°51	16°33	13°21	2° 5	5°35	6°11	10°18	21°28	T 19
F 20	11 51 26	29°41'48	8) €35	2°15	27°36	23°35	16°51	11°47	16°36	13°20	2° 6	5°34	6° 8	10°25	21°27	F 20
S 21	11 55 22	0 Υ 41'28	20°23	3° 6	28°49	24°17	16°44	11°42	16°39	13°18	2° 7	5°34	6° 5	10°32	21°25	S 21
S 22	11 59 19	1°41'07	2 Υ 14	4° 0	0) 2	24°58	16°36	11°38	16°43	13°17	2° 8	5°D34	6° 2	10°38	21°23	S 22
M23	12 3 15	2°40'43	14° 9	4°57	1°15	25°40	16°29	11°33	16°46	13°15	2°10	5°34	5°59	10°45	21°21	M23
T 24	12 7 12	3°40'18	26°12	5°57	2°28	26°22	16°22	11°29	16°49	13°14	2°11	5°34	5°55	10°52	21°19	T 24
W25	12 11 8	4°39'50	8 8 24	6°59	3°41	27° 4	16°15	11°24	16°53	13°12	2°12	5°34	5°52	10°58	21°17	W25
T 26	12 15 5	5°39'21	20°46	8° 4	4°55	27°46	16° 7	11°19	16°56	13°10	2°13	5°R34	5°49	11° 5	21°15	T 26
F 27	12 19 1	6°38'49	3 Ⅱ 23	9°12	6° 8	28°28	16° 0	11°15	16°59	13° 9	2°15	5°34	5°46	11°12	21°13	F 27
S 28	12 22 58	7°38'15	16°15	10°21	7°21	29°10	15°54	11°10	17° 3	13° 7	2°16	5°34	5°43	11°18	21°10	S 28
S 29	12 26 55	8°37'39	29°26	11°33	8°34	29°52	15°47	11° 5	17° 6	13° 6	2°17	5°34	5°39	11°25	21° 8	S 29
M30	12 30 51	9°37'00	12957	12°47	9°47	0≈33	15°40	11° 1	17°10	13° 5	2°18	5°D34	5°36	11°32	21° 5	M30
T 31	12 34 48	10 ° 36'19	26951	14) 2	11 米 0	1≈15	15 m 34	10 ≏ 56	17 Y 13	13 m 3	2 8 20	5 Υ 34	5 Ƴ 33	11) 38	21 m 2	T 31

Day	0	D	ğ	Q	ď	4	ħ)∤(¥	Р	n	v t	ķ
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl de	cl decl lat
S 1 M 2 T 3 W 4 T 5 F 6 S 7 S 8 M 9 T 10 W11 T 12	-	28 38 5 15 27 23 5 8 24 18 4 43 19 32 3 57 13 28 2 55 6 32 1 39 0s44 0 17 7 51 1s 5	8 9 3 1 8 36 3 9 2 2 5 9 26 2 3 9 48 2 2 10 8 2 1 10 26 1 5 10 42 1 4 10 56 1 2 11 7 1 1	3 18 39 0 11 23 3 18 25 0 7 23 1 18 9 0 4 23 8 17 53 0 1 23 5 17 37 0s 2 23 1 17 20 0 6 23 7 17 3 0 9 23 3 16 45 0 12 23 8 16 27 0 15 22 4 16 8 0 18 22	25 0 27 22 0 28 19 0 29 16 0 30 13 0 31 10 0 32 6 0 33 2 0 34	5 37 1 27 5 40 1 27 5 43 1 27 5 47 1 27 5 50 1 28 5 53 1 28 5 59 1 28 6 2 1 28 6 5 1 28	2 s44 2 n38 2 42 2 38 2 41 2 39 2 39 2 39 2 38 2 39 2 36 2 39 2 34 2 39 2 31 2 40 2 29 2 40 2 27 2 40 2 26 2 40	5n34 0s37 5 35 0 37 5 36 0 37 5 37 0 37 5 38 0 37 5 40 0 37 5 41 0 37 5 42 0 37 5 44 0 37 5 46 0 37 5 47 0 37	7 15 0 56 7 16 0 56 7 17 0 56 7 17 0 56	3 31 16 37 3 30 16 36 3 30 16 36	2 18 : 2 18 : 2 16 : 2 15 : 2 14 : 2 14 : 2 13 : 2 14 : 2	2 49 10 4 2 47 10 3 2 46 10 3 2 45 10 3 2 44 10 2 2 42 10 2 2 41 10 2 2 40 10 2 2 39 10 1	26 16 16 1 59 23 16 15 1 59
F 13 S 14 S 15 M16 T 17 W18	2 53 2 30 2 6 1 42 1 18 0 55	27 14 4 53 28 35 5 13 28 24 5 16 26 50 5 6 24 2 4 42 20 15 4 5	11 23 0 4 11 28 0 3 11 31 0 2 11 32 0 11 30 0s 11 27 0 1	7 15 29 0 24 22 4 15 9 0 27 22 1 14 48 0 30 22 8 14 27 0 33 22 4 14 6 0 36 22 6 13 44 0 38 22	45 0 38 40 0 39 35 0 40 30 0 41 24 0 42 19 0 43	6 11 1 28 6 14 1 28 6 18 1 28 6 21 1 28 6 24 1 28 6 26 1 28	2 24 2 40 2 22 2 40 2 20 2 40 2 18 2 40 2 17 2 41 2 15 2 41	5 48 0 37 5 49 0 37 5 51 0 37 5 52 0 37 5 53 0 37 5 54 0 37	7 20 0 56 7 21 0 56 7 22 0 56 7 22 0 56 7 22 0 56 7 23 0 56 7 24 0 56	3 27 16 35 3 26 16 35 3 26 16 34 3 25 16 34 3 24 16 34 3 24 16 34	2 15 2 15 2 15 2 14 2 14 2 14 1	2 35 10 2 34 10 2 32 10 2 31 9 5 2 30 9 5 2 29 9 5	7 16 12 2 2 3 16 11 2 2 0 16 10 2 3 16 9 2 3 54 16 9 2 4 50 16 8 2 4
T 19 F 20 S 21 S 22	0 31 0 7 0n16 0 40	10 35 2 24 5 5 1 23 0n36 0 19	11 15 0 3 11 6 0 4 10 56 0 5	7 12 59 0 44 22 8 12 36 0 46 22 8 12 13 0 49 21		6 35 1 28 6 38 1 28	2 13 2 41 2 11 2 41 2 9 2 41 2 7 2 41	5 56 0 37 5 57 0 37 5 58 0 37 6 0 0 37	7 26 0 56	3 22 16 33	2 13 2 13 2 13	2 25 9 4 2 24 9 3	44 16 6 2 5 40 16 5 2 6 37 16 4 2 6
M23 T 24 W25 T 26 F 27 S 28	1 4 1 28 1 51 2 15 2 38 3 2	17 1 2 53 21 34 3 46	10 30 1 1 10 14 1 2 9 57 1 3 9 39 1 3	6 11 26 0 54 21 4 11 1 0 56 21 2 10 37 0 58 21 9 10 12 1 1 21		6 44 1 28 6 46 1 28 6 49 1 28 6 52 1 28	2 6 2 41 2 4 2 41 2 2 2 41 2 0 2 41 1 58 2 41 1 56 2 41	6 1 0 37 6 2 0 37 6 3 0 37 6 5 0 37 6 6 0 37 6 7 0 37	7 27 0 56 7 27 0 56 7 28 0 56 7 28 0 56 7 29 0 56 7 30 0 56	3 19 16 32	2 13 2 13 2 13 2 13	2 21 9 3 2 20 9 2 2 19 9 2 2 17 9 2	34 16 3 2 7 31 16 2 2 7 27 16 1 2 8 24 16 0 2 8 21 15 59 2 9 18 15 58 2 9
S 29 M30 T 31	3 25 3 49 4n12		8 35 1 5	8 8 56 1 7 20		6 59 1 27	1 54 2 42 1 53 2 42 1 s51 2n42	6 9 0 37 6 10 0 37 6n11 0s37		3 17 16 32	2 13	2 14 9 1	14 15 57 2 10 11 15 55 2 10 8 15 s54 2n11

Julian Day Number = 2487763.5, Delta T = 92.80 sec Ecliptic obliquity = $23^{\circ}25'44$, Nutation = - $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}07'33$, Lahiri = $25^{\circ}14'33$

APRIL 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(卉	Р	n	Ω	Ç	ę,	Day
W 1	12 38 44	11 Y 35'36	11 Ω 5	15) 20	12) 14	1≈57	15°R27	10°R51	17 Y 17	13°R 2	2821	5 Υ 34	5 Υ 30	11) (45	21°R 0	W 1
T 2	12 42 41	12°34'50	25°40	16°40	13°27	2°39	15 Mp 21	10 <u>₽</u> 47	17°20	13 Mp 0	2°22	5°35	5°27	11°52	20 M 57	T 2
F 3	12 46 37	13°34'02	10 m 30	18° 1	14°40	3°21	15°15	10°42	17°23	12°59	2°24	5°36	5°24	11°58	20°54	F 3
S 4	12 50 34	14°33'11	25°29	19°24	15°53	4° 3	15° 9	10°37	17°27	12°57	2°25	5°36	5°20	12° 5	20°51	S 4
S 5	12 54 30	15°32'19	10 ≏ 30	20°49	17° 6	4°45	15° 3	10°33	17°30	12°56	2°26	5°R36	5°17	12°12	20°48	S 5
M 6	12 58 27	16°31'24	25°24	22°15	18°20	5°27	14°57	10°28	17°34	12°55	2°28	5°36	5°14	12°18	20°44	M 6
T 7	13 2 24	17°30'27	10 M 3	23°43	19°33	6° 9	14°51	10°23	17°37	12°53	2°29	5°35	5°11	12°25	20°41	T 7
W 8	13 6 20	18°29'29	24°21	25°13	20°46	6°51	14°46	10°19	17°41	12°52	2°30	5°33	5° 8	12°32	20°38	W 8
T 9	13 10 17	19°28'29	8 ~ 13	26°44	21°59	7°33	14°40	10°14	17°44	12°51	2°32	5°31	5° 4	12°38	20°34	T 9
F 10	13 14 13	20°27'27	21°39	28°17	23°13	8°15	14°35	10°10	17°47	12°50	2°33	5°30	5° 1	12°45	20°31	F 10
S 11	13 18 10	21°26'23	4 정 40	29°51	24°26	8°56	14°30	10° 5	17°51	12°48	2°34	5°28	4°58	12°52	20°27	S 11
S 12	13 22 6	22°25'18	17°17	1 Y 27	25°39	9°38	14°25	10° 0	17°54	12°47	2°36	5°D27	4°55	12°58	20°24	S 12
M13	13 26 3	23°24'11	29°35	3° 5	26°53	10°20	14°20	9°56	17°58	12°46	2°37	5°28	4°52	13° 5	20°20	M13
T 14	13 29 59	24°23'02	11 ≈ 38	4°44	28° 6	11° 2	14°16	9°52	18° 1	12°45	2°38	5°28	4°49	13°12	20°16	T 14
W15	13 33 56	25°21'51	23°32	6°25	29°19	11°44	14°11	9°47	18° 4	12°44	2°40	5°30	4°45	13°18	20°12	W15
T 16	13 37 53	26°20'38	5) (20	8° 7	0 Υ 32	12°26	14° 7	9°43	18° 8	12°43	2°41	5°31	4°42	13°25	20° 9	T 16
F 17	13 41 49	27°19'24	17° 7	9°51	1°46	13° 8	14° 3	9°38	18°11	12°41	2°43	5°33	4°39	13°31	20° 5	F 17
S 18	13 45 46	28°18'08	28°58	11°36	2°59	13°50	13°59	9°34	18°15	12°40	2°44	5°34	4°36	13°38	20° 1	S 18
S 19	13 49 42	29°16'50	10 Y 54	13°23	4°12	14°32	13°55	9°30	18°18	12°39	2°45	5°R34	4°33	13°45	19°57	S 19
M20	13 53 39	0 8 15'30	22°59	15°12	5°26	15°14	13°51	9°26	18°21	12°38	2°47	5°33	4°30	13°51	19°53	M20
T 21	13 57 35	1°14'08	5 8 15	17° 2	6°39	15°56	13°48	9°21	18°25	12°37	2°48	5°30	4°26	13°58	19°48	T 21
W22	14 1 32	2°12'45	17°42	18°54	7°52	16°38	13°45	9°17	18°28	12°36	2°49	5°27	4°23	14° 5	19°44	W22
T 23	14 5 28	3°11'19	0П23	20°47	9° 6	17°19	13°41	9°13	18°32	12°35	2°51	5°22	4°20	14°11	19°40	T 23
F 24	14 9 25	4° 9'52	13°16	22°42	10°19	18° 1	13°38	9° 9	18°35	12°34	2°52	5°18	4°17	14°18	19°36	F 24
S 25	14 13 21	5° 8'22	26°24	24°39	11°32	18°43	13°36	9° 5	18°38	12°34	2°54	5°13	4°14	14°25	19°31	S 25
S 26	14 17 18	6° 6'50	9 9 46	26°37	12°46	19°25	13°33	9° 1	18°42	12°33	2°55	5°10	4°10	14°31	19°27	S 26
M27	14 21 15	7° 5'17	23°21	28°36	13°59	20° 7	13°31	8°57	18°45	12°32	2°56	5° 8	4° 7	14°38	19°23	M27
T 28	14 25 11	8° 3'41	7 Ω 11	0 8 38	15°12	20°48	13°29	8°54	18°48	12°31	2°58	5°D 7	4° 4	14°45	19°18	T 28
W29	14 29 8	9° 2'02	21°15	2°40	16°26	21°30	13°27	8°50	18°51	12°30	2°59	5° 7	4° 1	14°51	19°14	W29
T 30	14 33 4	108 0'22	5 m y31	4 8 45	17 Y 39	22≈12	13 m 25	8 ≏ 46	18 Y 55	12 m 30	3 8 1	5 Υ 9	3 Ƴ 58	14) 58	19 M 9	T 30

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	decl	decl lat	decl lat	decl lat de	el lat	decl	lat	decl	lat	decl	lat	decl l	at	decl lat	decl	decl	decl	decl lat	
W 1	4n35	21n35 4n19	7s45 2s 8	8s 4 1s11 20s	0 s59	7n 4	1n27	1 s49	2n42	6n13	0s37	7n32	0n56	3 s 16 16 s 3 1	2n13	2n11	9s 4	15 s53 2n	11
T 2	4 58	16 10 3 24	7 18 2 13	7 37 1 13 20	32 1 0	7 7	1 27	1 47	2 42	6 14	0 37	7 32	0 56	3 15 16 31	2 13	2 10	9 1	15 52 2	12
F 3	5 21	9 42 2 15	6 50 2 17	7 11 1 15 20	23 1 1	7 9	1 27	1 45	2 42	6 15	0 37	7 33	0 56	3 15 16 31	2 13	2 8	8 58	15 51 2	12
S 4	5 44	2 39 0 56	6 21 2 20	6 44 1 16 20	15 1 2	7 11	1 27	1 43	2 42	6 17	0 37	7 33	0 56	3 14 16 31	2 13	2 7	8 54	15 49 2	13
S 5	6 7	4s34 0s27	5 50 2 23	6 17 1 18 20	6 1 3	7 14	1 27	1 42	2 42	6 18	0 37	7 34	0 56	3 14 16 31	2 13	2 6		15 48 2	13
M 6	6 30	11 29 1 48	5 18 2 26	5 50 1 19 19	57 1 5	7 16	1 27	1 40	2 42	6 19	0 37	7 34	0 56	3 13 16 31	2 13	2 5	8 48	15 47 2	14
T 7	6 52	17 40 3 0	4 45 2 27	5 23 1 21 19		7 18	1 27	1 38	2 42	6 21	0 37	7 35	0 56	3 13 16 31	-	2 3		15 45 2	14
W 8	7 15	22 42 3 59	4 11 2 29	4 55 1 22 19	88 1 7	, 20	1 27	1 36	2 42	6 22	0 37	7 35	0 56	3 12 16 31	2 12	2 2	8 41	15 44 2	15
T 9	7 37	26 18 4 41	3 35 2 30	4 28 1 24 19	29 1 8	7 22	1 26	1 34	2 42	6 23	0 37	7 36	0 56	3 12 16 30	2 12	2 1	8 38	15 43 2	15
F 10					19 1 9		1 26	1 33	2 42	6 24	0 37	7 36	0 56	3 11 16 30		2 0		15 41 2	- 1
S 11	8 21	28 37 5 16	2 21 2 30	3 32 1 26 19	9 1 11	7 25	1 26	1 31	2 42	6 26	0 37	7 37	0 56	3 11 16 30	2 10	1 58	8 31	15 40 2	16
S 12		27 26 5 10					1 26	1 29	2 42	6 27	0 37	7 37	0 56	3 10 16 30		1 57		15 39 2	
M13			-				1 26	1 27	2 41	6 28	0 37	7 38	0 56	3 10 16 30		1 56		15 37 2	
T 14		21 23 4 16	/	2 8 1 30 18			1 26	1 26	2 41	6 30	0 37	7 38	0 56	3 9 16 30	-	1 55		15 36 2	-
W15	9 48		0n19 2 25	1 39 1 30 18			1 26	1 24	2 41	6 31	0 37	7 39	0 56	3 9 16 30		1 53		15 34 2	- 1
T 16	10 10		1 2 2 22	1 11 1 31 18			1 25	1 22	2 41	6 32	0 37	7 39	0 56	3 8 16 30		1 52		15 33 2	-
F 17	10 31	6 37 1 40	1 46 2 19		7 1 18		1 25	1 21	2 41	6 34	0 37	7 39	0 56	3 8 16 30		1 51		15 31 2	
S 18	10 52	0 58 0 36	2 30 2 16	0 14 1 33 17	6 1 19	7 37	1 25	1 19	2 41	6 35	0 37	7 40	0 56	3 7 16 30	2 13	1 50	8 8	15 30 2	19
S 19	11 13	4n46 0n29			-	7 38	1 25	1 17	2 41	6 36	0 37	7 40	0 56	3 7 16 30	-	1 48		15 28 2 2	
M20		-		0 43 1 34 17			1 25	1 16	2 41	6 37	0 37	7 41	0 56	3 6 16 30		1 47		15 27 2 2	- 1
T 21	-	15 43 2 36	-				1 25	1 14	2 41	6 39	0 37	7 41	0 56	3 6 16 30		1 46		15 25 2 2	
W22		20 29 3 31	5 36 1 56				1 25	1 13	2 41	6 40	0 37	7 41	0 56	3 5 16 30		1 45		15 24 2 2	
T 23	_	24 24 4 17			0 1 26		1 24	1 11	2 41	6 41	0 37	7 42	0 56	3 5 16 30	-	1 43		15 22 2 2	
F 24	12 54						1 24	1 10	2 41	6 43	0 37	7 42	0 56	3 4 16 30	-	1 42		15 21 2 2	
S 25	13 14	28 32 5 9	8 3 1 37	3 6 1 36 16	1 28	7 44	1 24	1 8	2 41	6 44	0 37	7 42	0 56	3 4 16 30	2 4	1 41	7 45	15 19 2 2	22
S 26	13 33			3 34 1 36 16			1 24	1 7	2 40	6 45	0 37	7 43	0 56	3 3 16 30	_	1 40		15 18 2 2	-
M27		26 17 4 57		4 2 1 36 16		7 46	1 24	1 6	2 40	6 46	0 37	7 43	0 56	3 3 16 30		1 38		15 16 2 2	
T 28		22 44 4 25			1 1 32		1 23	1 4	2 40	6 48	0 37	7 43	0 56	3 3 16 30		1 37		15 15 2 2	
W29		17 50 3 37	11 24 1 4				1 23	1 3	2 40	6 49	0 37	7 43	0 56	3 2 16 30		1 36		15 13 2 2	24
T 30	14n49	11n53 2n35	12n14 0s55	5n27 1s36 15s	1 s 3 5	7n48	1n23	1 s 1	2n40	6n50	0s37	7n44	0n56	3s 2 16s30	2n 3	1n34	7 s28	15 s12 2n2	24

Julian Day Number = 2487794.5, Delta T = 92.84 sec Ecliptic obliquity = 23°25'45, Nutation = -0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°07'37, Lahiri = 25°14'37

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(¥	Р	v	v	Ç	& &	Day
F 1	14 37 1	10 8 58'39	19 m 59	6 8 50	18 Y 52	22≈54	13°R23	8°R43	18 Y 58	12°R29	3 8 2	5 Υ 10	3 Υ55	15) 5	19°R 5	F 1
S 2	14 40 57	11°56'55	4 ₾ 34	8°57	20° 6	23°35	13 m 22	8 ₾ 39	19° 1	12 m 28	3° 3	5°R11	3°51	15°11	19 M 1	S 2
S 3	14 44 54	12°55'08	19°12	11° 4	21°19	24°17	13°20	8°36	19° 4	12°28	3° 5	5°10	3°48	15°18	18°56	S 3
M 4	14 48 50	13°53'20	3 M .46	13°13	22°32	24°59	13°19	8°32	19°8	12°27	3° 6	5° 8	3°45	15°25	18°51	M 4
T 5	14 52 47	14°51'30	18°12	15°22	23°46	25°40	13°18	8°29	19°11	12°26	3° 7	5° 3	3°42	15°31	18°47	T 5
W 6	14 56 44	15°49'38	2 ,7 22	17°32	24°59	26°22	13°17	8°26	19°14	12°26	3° 9	4°57	3°39	15°38	18°42	W 6
T 7	15 0 40	16°47'45	16°12	19°42	26°12	27° 3	13°17	8°23	19°17	12°25	3°10	4°51	3°36	15°45	18°38	T 7
F 8	15 4 37	17°45'50	29°39	21°52	27°26	27°45	13°16	8°19	19°20	12°25	3°11	4°44	3°32	15°51	18°33	F 8
S 9	15 8 33	18°43'54	12 る 42	24° 2	28°39	28°26	13°16	8°16	19°23	12°24	3°13	4°38	3°29	15°58	18°29	S 9
S 10	15 12 30	19°41'56	25°22	26°11	29°52	29° 8	13°D16	8°14	19°26	12°24	3°14	4°33	3°26	16° 5	18°24	S 10
M11	15 16 26	20°39'57	7≈42	28°19	18 6	29°49	13°16	8°11	19°29	12°23	3°16	4°31	3°23	16°11	18°20	M11
T 12	15 20 23	21°37'56	19°47	0Д26	2°19	0 ∺ 31	13°17	8° 8	19°32	12°23	3°17	4°D29	3°20	16°18	18°15	T 12
W13	15 24 20	22°35'54	1) (42	2°32	3°32	1°12	13°17	8° 5	19°35	12°23	3°18	4°30	3°16	16°24	18°11	W13
T 14	15 28 16	23°33'51	13°30	4°36	4°46	1°54	13°18	8° 3	19°38	12°22	3°19	4°31	3°13	16°31	18° 6	T 14
F 15	15 32 13	24°31'46	25°19	6°38	5°59	2°35	13°19	8° 0	19°41	12°22	3°21	4°32	3°10	16°38	18° 2	F 15
S 16	15 36 9	25°29'41	7 Ƴ 12	8°38	7°12	3°16	13°20	7°58	19°44	12°22	3°22	4°R33	3° 7	16°44	17°57	S 16
S 17	15 40 6	26°27'33	19°14	10°35	8°26	3°58	13°21	7°55	19°47	12°22	3°23	4°31	3° 4	16°51	17°53	S 17
M18	15 44 2	27°25'25	1828	12°30	9°39	4°39	13°23	7°53	19°50	12°21	3°25	4°28	3° 1	16°58	17°48	M18
T 19	15 47 59	28°23'15	13°57	14°22	10°53	5°20	13°24	7°51	19°53	12°21	3°26	4°22	2°57	17° 4	17°44	T 19
W20	15 51 55	29°21'04	26°43	16°12	12° 6	6° 1	13°26	7°49	19°56	12°21	3°27	4°15	2°54	17°11	17°39	W20
T 21	15 55 52	0 Ⅱ 18'52	9 Ⅱ 44	17°58	13°19	6°42	13°28	7°47	19°59	12°21	3°28	4° 6	2°51	17°18	17°35	T 21
F 22	15 59 49	1°16'38	23° 1	19°42	14°33	7°23	13°30	7°45	20° 1	12°21	3°30	3°56	2°48	17°24	17°31	F 22
S 23	16 3 45	2°14'23	6932	21°22	15°46	8° 4	13°32	7°43	20° 4	12°D21	3°31	3°46	2°45	17°31	17°26	S 23
S 24	16 7 42	3°12'07	20°13	22°59	16°59	8°45	13°35	7°42	20° 7	12°21	3°32	3°39	2°42	17°38	17°22	S 24
M25	16 11 38	4° 9'48	4 Ω 4	24°33	18°13	9°26	13°38	7°40	20°10	12°21	3°33	3°33	2°38	17°44	17°18	M25
T 26	16 15 35	5° 7'29	18° 2	26° 4	19°26	10° 6	13°40	7°39	20°12	12°21	3°35	3°29	2°35	17°51	17°14	T 26
W27	16 19 31	6° 5'07	2MD 5	27°32	20°40	10°47	13°43	7°37	20°15	12°21	3°36	3°D28	2°32	17°58	17°10	W27
T 28	16 23 28	7° 2'44	16°13	28°56	21°53	11°28	13°47	7°36	20°18	12°21	3°37	3°28	2°29	18° 4	17° 6	T 28
F 29	16 27 24	8° 0'20	0 ჲ 24	09517	23° 6	12° 8	13°50	7°35	20°20	12°22	3°38	3°R29	2°26	18°11	17° 2	F 29
S 30	16 31 21	8°57'54	14°37	1°34	24°20	12°49	13°54	7°34	20°23	12°22	3°39	3°28	2°22	18°18	16°58	S 30
S 31	16 35 18	9∏55'26	28 ჲ 50	2 9 48	25 8 33	13 ∺ 29	13 m 57	7 ≙ 33	20 Y 25	12 m 22	3 8 41	3 Υ26	2 Υ 19	18 ∺ 24	16 M 54	S 31

Day	0	D	ğ	·	♂	4	ħ)∤(并	Р	w v	€ &	
	decl	decl lat	decl lat	decl lat d	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl decl la	lat
F 1 S 2	15n 7 15 25		13n 5 0s4 13 55 0 3			7n48 1n23 7 49 1 23	1s 0 2n40 0 59 2 40	6n51 0s37 6 52 0 37	7n44 0n56 7 44 0 56	3s 1 16s30 3 1 16 30	2n 3 1n3 2 3 1 3		2n25 2 25
S 3 M 4 T 5 W 6 T 7	16 34		16 22 0 17 9 0n	15 7 18 1 34 14 4 7 46 1 34 14 6 8 13 1 33 14	46 1 40 33 1 42	7 49 1 23 7 49 1 22 7 49 1 22 7 50 1 22 7 50 1 22	0 58 2 40 0 57 2 39 0 55 2 39 0 54 2 39 0 53 2 39	6 54 0 37 6 55 0 37 6 56 0 37 6 57 0 37 6 58 0 37	7 44 0 56 7 45 0 56 7 45 0 56 7 45 0 56 7 45 0 56	3 0 16 30	2 3 1 3 2 2 1 2 2 0 1 2 1 58 1 2 1 55 1 2	7 15 15 5 7 11 15 4 7 7 8 15 2	2 25 2 26 2 26 2 26 2 27
F 8 S 9	17 7 17 23		18 40 0 2		-	7 50 1 22 7 49 1 21	0 52 2 39 0 51 2 39	7 0 0 37 7 1 0 37	7 45 0 56 7 46 0 56	2 59 16 30 2 58 16 30	1 53 1 2 1 50 1 2	4 7 1 14 59	2 27 2 27
S 10 M11 T 12 W13 T 14 F 15 S 16		18 19 3 38 13 29 2 48 8 12 1 51 2 37 0 50	20 43 0 5 21 20 1 21 55 1 1	58 10 27 1 29 13 8 10 53 1 28 13 17 11 19 1 27 12 26 11 45 1 26 12 34 12 10 1 25 12	15	7 49 1 21 7 49 1 21 7 49 1 21 7 48 1 21 7 48 1 20 7 47 1 20 7 47 1 20	0 50 2 38 0 49 2 38 0 48 2 38 0 47 2 38 0 46 2 38 0 46 2 37 0 45 2 37	7 2 0 37 7 3 0 37 7 4 0 37 7 5 0 37 7 6 0 37 7 8 0 37 7 9 0 37	7 46 0 56 7 46 0 56	2 58 16 30 2 58 16 30 2 57 16 30 2 57 16 31 2 57 16 31 2 56 16 31 2 56 16 31	1 49 1 2 1 47 1 2 1 47 1 1 1 47 1 1 1 48 1 1 1 48 1 1 1 48 1 1	1 6 51 14 54 9 6 48 14 53 8 6 44 14 51 7 6 41 14 50 6 6 38 14 48	2 28 2 28 2 28 2 29 2 29 2 29 2 29 2 29
S 17 M18 T 19 W20 T 21 F 22 S 23	19 48 20 0 20 12 20 24	14 10 2 20 19 8 3 15 23 20 4 3 26 29 4 38 28 14 4 59	24 30 2 24 47 2 25 1 2 25 13 2 1	54 13 25 1 21 11 0 13 49 1 20 11 5 14 13 1 19 11 9 14 36 1 17 10	40 2 0 26 2 1 12 2 3 58 2 4 44 2 5	7 46 1 20 7 45 1 20 7 45 1 19 7 44 1 19 7 43 1 19 7 42 1 19 7 41 1 19	0 44 2 37 0 43 2 37 0 43 2 37 0 42 2 37 0 42 2 36 0 41 2 36 0 41 2 36	7 10 0 37 7 11 0 37 7 12 0 37 7 13 0 37 7 14 0 37 7 15 0 37 7 16 0 37	7 46 0 55 7 47 0 55	2 56 16 31 2 55 16 31 2 55 16 31 2 55 16 31 2 54 16 31 2 54 16 32 2 54 16 32	1 34 1	2 6 28 14 44 1 6 24 14 42 9 6 21 14 41 8 6 17 14 39 7 6 14 14 38	2 30 2 30 2 30 2 31 2 31 2 31 2 31
	20 58 21 9 21 19 21 29 21 38 21 47	23 29 4 23 18 52 3 38 13 12 2 39 6 50 1 31 0 5 0 16 6 \$40 0 \$59	25 36 2 1 25 39 2 1 25 40 2 1 25 39 2 1 25 37 2 1 25 33 2	17 16 28 1 9 9 9 16 16 50 1 7 9 14 17 10 1 6 9 11 17 31 1 4 9 8 17 51 1 2 8	2 2 10 48 2 11 34 2 12 20 2 14 5 2 15	7 37 1 18 7 36 1 18 7 34 1 18 7 33 1 17 7 31 1 17	0 40 2 36 0 40 2 35 0 39 2 35 0 39 2 35 0 39 2 35 0 38 2 35 0 38 2 34 0 38 2 34	7 17 0 37 7 18 0 37 7 19 0 37 7 20 0 37 7 21 0 37 7 22 0 37 7 23 0 37 7n24 0s37	7 47 0 55 7 47 0 55 7 47 0 55 7 46 0 0 55	2 54 16 32 2 53 16 32 2 53 16 32 2 53 16 33 2 53 16 33 2 53 16 33 2 52 16 33 2 55 16 33	1 23 1 1 23 1 1 23 0 5 1 23 0 5 1 23 0 5	2 6 1 14 32 0 5 57 14 31 9 5 54 14 30 8 5 50 14 28 7 5 47 14 27	2 32 2 32 2 32 2 32 2 32 2 33 2 33 2 n33

 $\label{eq:Julian Day Number = 2487824.5, Delta\ T=92.87\ sec} \\ Ecliptic\ obliquity = 23°25'44, Nutation = -0°00'02, out-of-bounds\ declination\ in\ red \\$

Ayanamsha: Fagan/Bradley = 26°07'41, Lahiri = 25°14'42

JUNE 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)/(卉	Р	n	Ω	Ç	ę,	Day
M 1	16 39 14	10 Ⅱ 52'58	12 M 59	3958	26846	14)(10	14 m/ 1	7°R32	20 Y 28	12 m 22	3 8 42	3°R21	2 Υ 16	18) (31	16°R50	M 1
T 2	16 43 11	11°50'28	27° 1	5° 5	28° 0	14°50	14° 5	7 ≙ 31	20°30	12°23	3°43	3 Υ 14	2°13	18°37	16 M .46	T 2
W 3	16 47 7	12°47'57	10 ∡ 52	6° 9	29°13	15°30	14° 9	7°31	20°32	12°23	3°44	3° 4	2°10	18°44	16°42	W 3
T 4	16 51 4	13°45'25	24°27	7° 8	0Ⅲ27	16°10	14°14	7°30	20°35	12°23	3°45	2°53	2° 7	18°51	16°38	T 4
F 5	16 55 0	14°42'53	7 云 44	8° 4	1°40	16°50	14°18	7°29	20°37	12°24	3°46	2°42	2° 3	18°57	16°35	F 5
S 6	16 58 57	15°40'19	20°41	8°56	2°53	17°30	14°23	7°29	20°39	12°24	3°47	2°31	2° 0	19° 4	16°31	S 6
S 7	17 2 53	16°37'44	3≈18	9°44	4° 7	18°10	14°27	7°29	20°42	12°25	3°48	2°23	1°57	19°11	16°28	S 7
M 8	17 6 50	17°35'09	15°37	10°28	5°20	18°50	14°32	7°29	20°44	12°25	3°49	2°16	1°54	19°17	16°24	M 8
T 9	17 10 47	18°32'33	27°42	11° 8	6°34	19°30	14°37	7°D28	20°46	12°26	3°50	2°12	1°51	19°24	16°21	T 9
W10	17 14 43	19°29'56	9 ∺ 36	11°44	7°47	20° 9	14°43	7°29	20°48	12°26	3°52	2°11	1°48	19°31	16°18	W10
T 11	17 18 40	20°27'19	21°26	12°15	9° 1	20°49	14°48	7°29	20°50	12°27	3°53	2°D10	1°44	19°37	16°14	T 11
F 12	17 22 36	21°24'41	3 Υ 15	12°43	10°14	21°28	14°54	7°29	20°53	12°27	3°54	2°R10	1°41	19°44	16°11	F 12
S 13	17 26 33	22°22'03	15°10	13° 5	11°27	22° 8	14°59	7°29	20°55	12°28	3°55	2°10	1°38	19°51	16° 8	S 13
S 14	17 30 29	23°19'24	27°15	13°24	12°41	22°47	15° 5	7°30	20°57	12°29	3°55	2° 8	1°35	19°57	16° 5	S 14
M15	17 34 26	24°16'45	9 8 36	13°37	13°54	23°26	15°11	7°30	20°59	12°29	3°56	2° 3	1°32	20° 4	16° 2	M15
T 16	17 38 22	25°14'06	22°15	13°47	15° 8	24° 5	15°17	7°31	21° 0	12°30	3°57	1°56	1°28	20°11	16° 0	T 16
W17	17 42 19	26°11'26	5 Ⅱ 15	13°51	16°21	24°44	15°24	7°31	21° 2	12°31	3°58	1°47	1°25	20°17	15°57	W17
T 18	17 46 16	27° 8'45	18°36	13°R51	17°35	25°23	15°30	7°32	21° 4	12°32	3°59	1°35	1°22	20°24	15°54	T 18
F 19	17 50 12	28° 6'04	29516	13°47	18°48	26° 1	15°37	7°33	21° 6	12°33	4° 0	1°23	1°19	20°31	15°52	F 19
S 20	17 54 9	29° 3'22	16°12	13°38	20° 2	26°40	15°43	7°34	21° 8	12°33	4° 1	1°11	1°16	20°37	15°49	S 20
S 21	17 58 5	09 0'40	0 Ω 19	13°25	21°16	27°18	15°50	7°35	21° 9	12°34	4° 2	1° 1	1°13	20°44	15°47	S 21
M22	18 2 2	0°57'57	14°32	13° 8	22°29	27°56	15°57	7°37	21°11	12°35	4° 3	0°54	1° 9	20°50	15°44	M22
T 23	18 5 58	1°55'14	28°48	12°47	23°43	28°34	16° 4	7°38	21°13	12°36	4° 4	0°49	1° 6	20°57	15°42	T 23
W24	18 9 55	2°52'29	13 m 3	12°23	24°56	29°12	16°11	7°39	21°14	12°37	4° 4	0°47	1° 3	21° 4	15°40	W24
T 25	18 13 52	3°49'44	27°14	11°56	26°10	29°50	16°19	7°41	21°16	12°38	4° 5	0°46	1° 0	21°10	15°38	T 25
F 26	18 17 48	4°46'58	11 ≏ 19	11°26	27°23	0 Υ 28	16°26	7°43	21°17	12°39	4° 6	0°46	0°57	21°17	15°36	F 26
S 27	18 21 45	5°44'12	25°19	10°53	28°37	1° 5	16°34	7°44	21°19	12°40	4° 7	0°45	0°54	21°24	15°34	S 27
S 28	18 25 41	6°41'25	9 M .13	10°19	29°50	1°42	16°41	7°46	21°20	12°41	4° 7	0°43	0°50	21°30	15°33	S 28
M29	18 29 38	7°38'37	22°59	9°44	199 4	2°19	16°49	7°48	21°21	12°43	4° 8	0°37	0°47	21°37	15°31	M29
T 30	18 33 34	8935'49	6 ₮ 36	995 8	29518	2 Υ 56	16 M 57	7 ≙ 50	21 Y 23	12 M 44	4 8 9	0 Υ 29	$0\mathbf{\Upsilon}44$	21) (44	15 M 29	T 30

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M 1 T 2	22n 4 22 12	18 s 48 23 27		25n20 25 12	1n58 1 52		0s58 0 56	8 s23 8 8	2 s20 2 21	7n28 7 26	1n17 1 17	0s38 0 38	2n34 2 34	7n25 7 26		7n46 7 46	0n55 0 55		16s33 16 33	1n20 1 17	0n54 0 53		14 s24 14 23	2n33 2 33
W 3		26 41	4 40		1 45		0 54	7 54	2 22	7 24	1 16	0 38	2 33	7 27	0 37	7 46	0 55		16 34	1 13	0 52		14 22	2 34
T 4 F 5	22 26 22 33			24 52 24 40	1 38		0 52 0 50	7 40 7 25	2 24 2 25	7 23 7 21	1 16 1 16	0 38 0 38	2 33 2 33	7 27 7 28	0 37 0 37	7 46 7 45	0 55 0 55	2 51 2 51	16 34 16 34	1 9	0 50 0 49		14 21 14 20	2 34 2 34
S 6		26 34		24 28	1 20		0 48	7 11	2 27	7 19	1 16	0 38	2 33	7 29		7 45	0 55		16 34	1 0	0 48		14 18	2 34
S 7 M 8	22 45 22 51	23 37 19 39	4 20 3 41	24 14 24 0	1 10 0 59		0 45 0 43	6 57 6 43	2 28 2 30	7 17 7 15	1 16 1 15	0 38 0 38	2 33 2 32	7 30 7 31	0 37 0 38	7 45 7 45	0 55 0 55	-	16 34 16 35	0 57 0 54	0 47 0 45		14 17 14 16	2 34 2 34
T 9	22 56	14 58		23 45	0 48		0 41	6 28	2 31	7 12	1 15	0 38	2 32	7 32		7 45	0 55	-		0 53	0 44		14 15	2 35
W10 T 11	23 1 23 5	9 46 4 16		23 30 23 14		20 58 21 11	0 39 0 37	6 14 6 0	2 32 2 34	7 10 7 8	1 15 1 15	0 38 0 39	2 32 2 32	7 32 7 33		7 44 7 44	0 55 0 55	-	16 35 16 35	0 52 0 52	0 43 0 41		14 14 14 13	2 35 2 35
F 12	23 9			22 58		21 25	0 34	5 45	2 35	7 6	1 15	0 39	2 31	7 34		7 44	0 55	-	16 36	0 52	0 40		14 12	2 35
S 13	23 13	7 1		22 42		21 37	0 32	5 31	2 37	7 3	1 14	0 39	2 31	7 35		7 44	0 55	2 50	16 36	0 52	0 39		14 11	2 35
S 14 M15	23 16 23 18		2 9 3 4	22 25 22 9	0 20 0 35		0 30 0 27	5 17 5 3	2 38 2 39	7 1 6 58	1 14 1 14	0 40 0 40	2 31 2 31	7 35 7 36		7 43 7 43	0 55 0 55		16 36 16 36	0 51 0 49	0 38 0 36		14 10 14 9	2 35 2 35
T 16	23 21	22 4	3 52	-	0 51		0 25	4 49	2 41	6 56	1 14	0 41	2 30	7 37	0 38	7 43	0 55			0 46	0 35	4 49	-	2 36
W17 T 18	23 22		4 29		1 7		0 23	4 35	2 42 2 44	6 53	1 14	0 41	2 30	7 37	0 38	7 42	0 55		16 37 16 37	0 42	0 34	4 46		2 36
	23 24	27 48 28 25		21 19 21 3	1 40	22 31 22 40	0 20 0 18	4 20 4 6	2 44	6 51 6 48	1 14 1 13	0 42 0 42	2 30 2 30	7 38 7 39	0 38 0 38	7 42 7 42	0 55 0 55		16 37	0 38	0 33 0 31	4 42 4 39		2 36 2 36
S 20		27 15		20 48		22 48	0 15	3 52	2 47	6 45	1 13	0 43	2 29	7 39		7 41	0 55		16 38	0 28	0 30	4 36	-	2 36
S 21 M22	23 26 23 26	24 21 19 57		20 32 20 17	2 14 2 30	22 55 23 2	0 13 0 11	3 39 3 25	2 48 2 49	6 42 6 40	1 13 1 13	0 44 0 44	2 29 2 29	7 40 7 41	0 38 0 38	7 41 7 41	0 55 0 55		16 38 16 38	0 24 0 21	0 29 0 28	4 32 4 29		2 36 2 36
T 23	23 25	14 23	2 40	20 3	2 46	23 9	0 8	3 11	2 51	6 37	1 13	0 45	2 29	7 41	0 38	7 40	0 55	2 50	16 38	0 20	0 26	4 25	14 2	2 36
W24	23 24			19 50	3 2		0 6	2 57	2 52	6 34	1 13	0 46	2 28	7 42		7 40	0 55		16 39	0 19	0 25	4 22		2 36
T 25 F 26	23 22 23 21	1 23 5 s 2 0		19 37 19 25	3 17	23 19 23 23	0 3	2 43 2 30	2 54 2 55	6 31	1 12 1 12	0 47 0 47	2 28 2 28	7 42 7 43		7 39 7 39	0 55 0 55			0 18	0 24 0 23	4 18		2 36 2 36
S 27	-	11 45		19 25		23 27	0 1 0n 1	2 16	2 56	6 28 6 25	1 12	0 47	2 28	7 43		7 39	0 55		16 40	0 18 0 18	0 23	4 15 4 12	-	2 37
S 28 M29		17 32 22 22		19 5 18 56	3 58 4 9	23 30 23 32	0 4 0 6	2 2 1 49	2 58 2 59	6 21 6 18	1 12 1 12	0 49 0 50	2 28 2 27	7 44 7 44		7 38 7 38	0 55 0 55		16 40 16 40		0 20 0 19		13 59 13 59	2 37 2 37
T 30	-	25 s55		18n49		23n33	0n 9	1 s35	3s 0			0 s51	2n27	7n45		7n37	0n55		16 s40		0n17		13 s58	

Julian Day Number = 2487855.5, Delta T = 92.91 sec Ecliptic obliquity = 23°25'44, Nutation = -0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°07'45, Lahiri = 25°14'46

JULY 2099 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ф(¥	Р	ß	v	Ç	ę,	Day
W 1	18 37 31	9 © 33'01	20 × 7 2	8°R33	3931	3 Y 33	17 m 5	7 ≙ 52	21 Y 24	12 m 45	4810	0°R19	0 Υ 41	21 米 50	15°R28	W 1
T 2	18 41 27	10°30'13	3 ට 16	<i>7</i> 9 58	4°45	4°10	17°13	7°54	21°25	12°46	4°10	oΥ 7	0°38	21°57	15 M 27	T 2
F 3	18 45 24	11°27'24	16°15	7°24	5°58	4°46	17°22	7°57	21°26	12°47	4°11	29 米 55	0°34	22° 4	15°25	F 3
S 4	18 49 21	12°24'35	28°58	6°52	7°12	5°23	17°30	7°59	21°28	12°49	4°11	29°43	0°31	22°10	15°24	S 4
S 5	18 53 17	13°21'47	11 ≈ 26	6°23	8°26	5°59	17°39	8° 1	21°29	12°50	4°12	29°33	0°28	22°17	15°23	S 5
M 6	18 57 14	14°18'58	23°40	5°56	9°39	6°35	17°47	8° 4	21°30	12°51	4°13	29°26	0°25	22°24	15°22	M 6
T 7	19 1 10	15°16'09	5) (41	5°33	10°53	7°10	17°56	8° 7	21°31	12°53	4°13	29°21	0°22	22°30	15°21	T 7
W 8	19 5 7	16°13'21	17°33	5°14	12° 7	7°46	18° 5	8° 9	21°32	12°54	4°14	29°19	0°19	22°37	15°21	W 8
T 9	19 9 3	17°10'33	29°22	4°59	13°21	8°21	18°14	8°12	21°33	12°55	4°14	29°D18	0°15	22°43	15°20	T 9
F 10	19 13 0	18° 7'45	11 Y 11	4°49	14°34	8°56	18°23	8°15	21°33	12°57	4°15	29°19	0°12	22°50	15°20	F 10
S 11	19 16 56	19° 4'57	23° 6	4°43	15°48	9°31	18°32	8°18	21°34	12°58	4°15	29°R19	0° 9	22°57	15°19	S 11
S 12	19 20 53	20° 2'11	5 8 12	4°D42	17° 2	10° 6	18°41	8°21	21°35	13° 0	4°16	29°18	0° 6	23° 3	15°19	S 12
M13	19 24 50	20°59'24	17°35	4°47	18°15	10°40	18°50	8°25	21°36	13° 1	4°16	29°15	0° 3	23°10	15°19	M13
T 14	19 28 46	21°56'38	0 Ⅱ 19	4°56	19°29	11°14	19° 0	8°28	21°36	13° 3	4°17	29° 9	29 米 59	23°17	15°18	T 14
W15	19 32 43	22°53'53	13°26	5°11	20°43	11°48	19° 9	8°31	21°37	13° 4	4°17	29° 2	29°56	23°23	15°D18	W15
T 16	19 36 39	23°51'08	26°58	5°32	21°57	12°22	19°19	8°35	21°37	13° 6	4°18	28°53	29°53	23°30	15°19	T 16
F 17	19 40 36	24°48'23	109554	5°57	23°11	12°55	19°29	8°38	21°38	13° 8	4°18	28°43	29°50	23°37	15°19	F 17
S 18	19 44 32	25°45'39	25°11	6°29	24°25	13°28	19°39	8°42	21°38	13° 9	4°18	28°33	29°47	23°43	15°19	S 18
S 19	19 48 29	26°42'55	9 Ω 41	7° 5	25°38	14° 1	19°49	8°46	21°39	13°11	4°19	28°24	29°44	23°50	15°19	S 19
M20	19 52 25	27°40'12	24°20	7°47	26°52	14°34	19°59	8°49	21°39	13°12	4°19	28°18	29°40	23°57	15°20	M20
T 21	19 56 22	28°37'29	8 m 59	8°34	28° 6	15° 6	20° 9	8°53	21°40	13°14	4°19	28°15	29°37	24° 3	15°21	T 21
W22	20 0 19	29°34'46	23°33	9°27	29°20	15°38	20°19	8°57	21°40	13°16	4°19	28°D13	29°34	24°10	15°21	W22
T 23	20 4 15	$0\Omega 32'03$	7 ≙ 57	10°25	0 Ω 34	16°10	20°29	9° 1	21°40	13°18	4°20	28°13	29°31	24°17	15°22	T 23
F 24	20 8 12	1°29'20	22° 9	11°27	1°48	16°41	20°40	9° 5	21°40	13°19	4°20	28°14	29°28	24°23	15°23	F 24
S 25	20 12 8	2°26'38	6 M 7	12°35	3° 2	17°12	20°50	9°10	21°40	13°21	4°20	28°R14	29°25	24°30	15°24	S 25
S 26	20 16 5	3°23'56	19°51	13°48	4°16	17°42	21° 0	9°14	21°40	13°23	4°20	28°13	29°21	24°36	15°25	S 26
M27	20 20 1	4°21'15	3 ₹ 22	15° 6	5°29	18°13	21°11	9°18	21°R40	13°25	4°21	28°10	29°18	24°43	15°27	M27
T 28	20 23 58	5°18'33	16°39	16°28	6°43	18°43	21°22	9°23	21°40	13°26	4°21	28° 4	29°15	24°50	15°28	T 28
W29	20 27 54	6°15'53	29°44	17°55	7°57	19°12	21°32	9°27	21°40	13°28	4°21	27°57	29°12	24°56	15°29	W29
T 30	20 31 51	7°13'13	12 조 36	19°27	9°11	19°42	21°43	9°32	21°40	13°30	4°21	27°48	29° 9	25° 3	15°31	T 30
F 31	20 35 48	8 Ω 10'33	25 궁 15	2199 2	10 Ω 25	20 Υ 11	21 Mp 54	9 ჲ 36	21 Y 40	13 M 32	4821	27 米 39	29 米 6	25 米 10	15 M 33	F 31

	16 3s58 13s58 2n37 15 3 54 13 57 2 37 14 3 51 13 57 2 37 12 3 48 13 57 2 37 11 3 44 13 56 2 37 10 3 41 13 56 2 37 9 3 37 13 56 2 37 7 3 34 13 55 2 37
T 2 23 1 28 23 5 0 18 37 4 35 23 34 0 13 1 9 3 3 6 8 1 11 0 53 2 27 7 46 0 38 7 36 0 55 2 50 16 41 0 3 0 F 3 22 56 27 13 4 49 18 33 4 40 23 33 0 16 0 56 3 5 6 5 1 11 0 54 2 26 7 46 0 38 7 36 0 55 2 50 16 41 0 8 2 0 S 4 22 51 24 39 4 23 18 31 4 44 23 32 0 18 0 43 3 6 6 2 1 11 0 56 2 26 7 46 0 38 7 35 0 55 2 50 16 42 0 7 0 S 5 2 24 5 20 57 3 45 18 30 4 47 23 30 0 20 0 30 3 7 5 58 1 11 0 57 2 26 7 47 0 38 7 35 0 55 2 50 16 42 0 11 0 M 6 22 40 16 25 2 57 18 30 4 48 23 27 0 23 0 17 3 9 5 55 1 11 0 58 2 26 7 47 0 38 7 34 0 54 2 51 16 42 0 13 0 T 7 22 33 11 19 2 2 18 32 4 47 23 24 0 25 0 4 3 10 5 51 1 11 0 59 2 25 7 48 0 38 7 34 0 54 2 51 16 43 0 15 0 W 8 22 27 5 52 1 2 18 34 4 45 23 20 0 27 0n 9 3 11 5 47 1 10 1 1 2 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 16 0 T 9 22 20 0 15 0n 0 18 39 4 42 23 15 0 29 0 22 3 13 5 44 1 10 1 2 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 17 0	15 3 54 13 57 2 37 14 3 51 13 57 2 37 12 3 48 13 57 2 37 11 3 44 13 56 2 37 10 3 41 13 56 2 37 9 3 37 13 56 2 37 7 3 34 13 55 2 37
S 4 22 51 24 39 4 23 18 31 4 44 23 32 0 18 0 43 3 6 6 2 1 11 0 56 2 26 7 46 0 38 7 35 0 55 2 50 16 42 0 7 0 S 5 22 45 20 57 3 45 18 30 4 47 23 30 0 20 0 30 3 7 5 58 1 11 0 57 2 26 7 47 0 38 7 35 0 54 2 51 16 42 0 11 0 M 6 22 40 16 25 2 57 18 30 4 48 23 27 0 23 0 17 3 9 5 55 1 11 0 58 2 26 7 47 0 38 7 34 0 54 2 51 16 42 0 13 0 T 7 22 33 11 19 2 2 18 32 4 47 23 24 0 25 0 4 3 10 5 51 1 11 0 59 2 25 7 48 0 38 7 34 0 54 2 51 16 43 0 15 0 W 8 22 27 5 52 1 2 18 34 4 45 23 20 0 27 0n 9 3 11 5 47 1 10 1 1 2 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 16 0 T 9 22 20 0 15 0n 0 18 39 4 42 23 15 0 29 0 22 3 13 5 44 1 10 1 2 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 17 0	12 3 48 13 57 2 37 11 3 44 13 56 2 37 10 3 41 13 56 2 37 9 3 37 13 56 2 37 7 3 34 13 55 2 37
M 6 22 40 16 25 2 57 18 30 4 48 23 27 0 23 0 17 3 9 5 55 1 11 0 58 2 26 7 47 0 38 7 34 0 54 2 51 16 42 0 13 0 T 7 22 33 11 19 2 2 18 32 4 47 23 24 0 25 0 4 3 10 5 51 1 11 0 59 2 25 7 48 0 38 7 34 0 54 2 51 16 43 0 15 0 W 8 22 27 5 52 1 2 18 34 4 45 23 20 0 27 0n 9 3 11 5 47 1 10 1 1 2 2 5 7 48 0 38 7 33 0 54 2 51 16 43 0 16 0 T 9 22 20 0 15 0n 0 18 39 4 42 23 15 0 29 0 22 3 13 5 44 1 10 1 2 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 17 0	10 3 41 13 56 2 37 9 3 37 13 56 2 37 7 3 34 13 55 2 37
W 8 22 27 5 52 1 2 18 34 4 45 23 20 0 27 0n 9 3 11 5 47 1 10 1 1 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 16 0 T 9 22 20 0 15 0n 0 18 39 4 42 23 15 0 29 0 22 3 13 5 44 1 10 1 2 2 25 7 48 0 38 7 33 0 54 2 51 16 43 0 17 0	7 3 34 13 55 2 37
F 10 22 12 5n23 1 3 18 44 4 37 23 9 0 32 0 34 3 14 5 40 1 10 1 3 2 25 7 48 0 38 7 32 0 54 2 51 16 43 0 16 0	6 3 30 13 55 2 37 5 3 27 13 55 2 37
S 11 22 4 10 53 2 3 18 50 4 31 23 3 0 34 0 47 3 15 5 36 1 10 1 5 2 25 7 49 0 38 7 31 0 54 2 51 16 44 0 16 0	4 3 24 13 55 2 37
S 12 21 56 16 4 2 59 18 57 4 23 22 56 0 36 0 59 3 16 5 33 1 10 1 6 2 24 7 49 0 38 7 31 0 54 2 51 16 44 0 17 0 M13 21 47 20 42 3 48 19 6 4 15 22 49 0 38 1 11 3 18 5 29 1 10 1 8 2 24 7 49 0 38 7 30 0 54 2 52 16 44 0 18 0 T 14 21 39 24 33 4 26 19 15 4 6 22 41 0 40 1 24 3 19 5 25 1 10 1 9 2 24 7 49 0 38 7 30 0 54 2 52 16 45 0 20 0s	2 3 20 13 55 2 37 1 3 17 13 55 2 37 0 3 13 13 55 2 37
W15 21 29 27 14 4 53 19 24 3 55 22 32 0 42 1 36 3 20 5 21 1 9 1 11 2 24 7 50 0 38 7 29 0 54 2 52 16 45 0 23 0 T 16 21 19 28 27 5 3 19 35 3 44 22 22 0 44 1 47 3 22 5 17 1 9 1 12 2 23 7 50 0 38 7 28 0 54 2 52 16 45 0 27 0 F 17 21 9 27 55 4 57 19 45 3 33 22 12 0 46 1 59 3 23 5 13 1 9 1 14 2 23 7 50 0 38 7 28 0 54 2 52 16 46 0 31 0	1 3 10 13 55 2 37 3 3 6 13 55 2 37 4 3 3 13 55 2 37
S 18 20 59 25 33 4 32 19 56 3 20 22 1 0 48 2 11 3 24 5 9 1 9 1 15 2 23 7 50 0 39 7 27 0 54 2 52 16 46 0 35 0 S 19 20 48 21 30 3 49 20 8 3 7 21 50 0 50 2 22 3 25 5 5 1 9 1 17 2 23 7 50 0 39 7 27 0 54 2 53 16 46 0 38 0	5 3 0 13 55 2 37 7 2 56 13 55 2 37
M20 20 37 16 5 2 51 20 19 2 54 21 38 0 52 2 34 3 26 5 1 1 9 1 19 2 23 7 50 0 39 7 26 0 54 2 53 16 47 0 40 0 0 0 0 0 0 0 0	8 2 53 13 55 2 37 9 2 49 13 55 2 37 10 2 46 13 55 2 37
T 23 20 2 3 s 57 0 s 52 20 50 2 11 20 58 0 58 3 7 3 30 4 49 1 8 1 24 2 22 7 51 0 39 7 24 0 54 2 54 16 48 0 42 0 F 24 19 49 10 33 2 5 21 0 1 57 20 43 0 59 3 18 3 31 4 45 1 8 1 26 2 22 7 51 0 39 7 23 0 54 2 54 16 48 0 42 0 S 25 19 36 16 31 3 9 21 8 1 42 20 28 1 1 3 29 3 32 4 41 1 8 1 28 2 22 7 51 0 39	13 2 39 13 56 2 37
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Julian Day Number = 2487885.5, Delta T = 92.95 sec Ecliptic obliquity = $23^{\circ}25'43$, Nutation = $0^{\circ}00'00$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}07'50$, Lahiri = $25^{\circ}14'50$

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(并	В	N.	v	Ç	ķ	Day
S 1	20 39 44	9 N 7'55	7≈42	229642	11 \O 39	20 Y 39	22 m/ 5	9 ≏ 41	21°R40	13 m 34	4821	27°R31	29 米 2	25 米 16	15 M 35	S 1
S 2	20 43 41	10° 5'17	19°57	24°25	12°53	21° 7	22°16	9°46	21 Y 40	13°36	4°21	27) 24	28°59	25°23	15°36	S 2
M 3	20 47 37	11° 2'39	2) 1	26°12	14° 7	21°35	22°27	9°51	21°39	13°38	4°R21	27°19	28°56	25°30	15°38	M 3
T 4	20 51 34	12° 0'03	13°57	28° 2	15°21	22° 3	22°38	9°56	21°39	13°40	4°21	27°16	28°53	25°36	15°40	T 4
W 5	20 55 30	12°57'28	25°47	29°55	16°35	22°30	22°50	10° 1	21°38	13°42	4°21	27°D15	28°50	25°43	15°43	W 5
T 6	20 59 27	13°54'54	7 Ƴ 34	1 Q 51	17°49	22°56	23° 1	10° 6	21°38	13°44	4°21	27°16	28°46	25°50	15°45	T 6
F 7	21 3 23	14°52'21	19°22	3°49	19° 3	23°22	23°12	10°11	21°37	13°46	4°21	27°17	28°43	25°56	15°47	F 7
S 8	21 7 20	15°49'49	1817	5°48	20°17	23°48	23°24	10°16	21°37	13°48	4°21	27°19	28°40	26° 3	15°50	S 8
S 9	21 11 17	16°47'19	13°22	7°49	21°32	24°13	23°35	10°22	21°36	13°50	4°21	27°R19	28°37	26° 9	15°52	S 9
M10	21 15 13	17°44'50	25°44	9°52	22°46	24°38	23°47	10°27	21°36	13°52	4°21	27°19	28°34	26°16	15°55	M10
T 11	21 19 10	18°42'22	8 Ⅱ 26	11°55	24° 0	25° 2	23°58	10°32	21°35	13°54	4°21	27°17	28°31	26°23	15°58	T 11
W12	21 23 6	19°39'56	21°34	13°58	25°14	25°26	24°10	10°38	21°34	13°56	4°20	27°14	28°27	26°29	16° 1	W12
T 13	21 27 3	20°37'31	599 7	16° 2	26°28	25°49	24°22	10°43	21°33	13°58	4°20	27° 9	28°24	26°36	16° 4	T 13
F 14	21 30 59	21°35'08	19° 8	18° 5	27°42	26°12	24°34	10°49	21°33	14° 0	4°20	27° 4	28°21	26°43	16° 7	F 14
S 15	21 34 56	22°32'45	3 Ω 34	20° 8	28°56	26°34	24°45	10°55	21°32	14° 2	4°20	26°59	28°18	26°49	16°10	S 15
S 16	21 38 53	23°30'24	18°19	22°11	0 m y 10	26°56	24°57	11° 0	21°31	14° 4	4°19	26°54	28°15	26°56	16°13	S 16
M17	21 42 49	24°28'05	3 Mp 16	24°12	1°25	27°17	25° 9	11° 6	21°30	14° 6	4°19	26°51	28°12	27° 3	16°17	M17
T 18	21 46 46	25°25'46	18°16	26°13	2°39	27°37	25°21	11°12	21°29	14° 8	4°19	26°50	28° 8	27° 9	16°20	T 18
W19	21 50 42	26°23'29	3 ₽ 11	28°13	3°53	27°57	25°33	11°18	21°28	14°11	4°19	26°D50	28° 5	27°16	16°24	W19
T 20	21 54 39	27°21'12	17°55	0 m 12	5° 7	28°16	25°45	11°24	21°27	14°13	4°18	26°51	28° 2	27°23	16°27	T 20
F 21	21 58 35	28°18'57	2 M 21	2° 9	6°21	28°35	25°58	11°30	21°26	14°15	4°18	26°52	27°59	27°29	16°31	F 21
S 22	22 2 32	29°16'43	16°28	4° 6	7°35	28°53	26°10	11°36	21°24	14°17	4°18	26°53	27°56	27°36	16°35	S 22
S 23	22 6 28	0 Mp 14'30	0 ∡ 13	6° 1	8°50	29°11	26°22	11°42	21°23	14°19	4°17	26°R54	27°52	27°42	16°39	S 23
M24	22 10 25	1°12'18	13°38	7°55	10° 4	29°27	26°34	11°48	21°22	14°21	4°17	26°53	27°49	27°49	16°43	M24
T 25	22 14 21	2°10'08	26°45	9°47	11°18	29°43	26°47	11°54	21°21	14°23	4°16	26°51	27°46	27°56	16°47	T 25
W26	22 18 18	3° 7'58	9 궁 35	11°38	12°32	29°59	26°59	12° 0	21°19	14°26	4°16	26°49	27°43	28° 2	16°51	W26
T 27	22 22 15	4° 5'50	22°10	13°28	13°46	0814	27°11	12° 7	21°18	14°28	4°15	26°45	27°40	28° 9	16°55	T 27
F 28	22 26 11	5° 3'43	4≈33	15°17	15° 1	0°28	27°24	12°13	21°16	14°30	4°15	26°42	27°37	28°16	17° 0	F 28
S 29	22 30 8	6° 1'38	16°44	17° 4	16°15	0°41	27°36	12°19	21°15	14°32	4°14	26°39	27°33	28°22	17° 4	S 29
S 30	22 34 4	6°59'34	28°47	18°49	17°29	0°54	27°49	12°26	21°13	14°34	4°14	26°36	27°30	28°29	17° 9	S 30
M31	22 38 1	7 m 57'31	10) (43	20 m 34	18 m /43	18 6	28 Mp 1	12 ≏ 32	21 Υ 12	14 m 37	4 8 13	26) 34	27 米 27	28 米 36	17 M 13	M31

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S 1	17n58	22 s 7 3	s55 21n26	0s 5	18n26	1n11	4n40	3 s40	4n10	1n 8	1 s41	2n20	7n50	0s39	7n18	0n54	2 s 5 6 1 6 s 5	1 0 s59	0 s23	2s11	13 s59	2n37
S 2	17 43	17 47 3	8 21 21	0n 8	18 6	1 13	4 49	3 41	4 6	1 7	1 43	2 20	7 50	0 39	7 17	0 54	2 56 16 5	1 1 2	0 24	2 8	14 0	2 37
M 3	17 27	12 48 2	12 21 13			1 14	4 58	3 42	4 1	1 7	1 45	2 20	7 50		7 16	0 54	2 57 16 5	1 1 4	0 25	2 4	14 0	2 37
T 4	17 11				17 25	1 15	5 8	3 43	3 57	1 7	1 47	2 20	7 50		7 15	0 54	2 57 16 5		0 27			2 37
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S 8	16 5	14 38 2	54 19 55	1 9	15 58	1 19	5 43	3 47	3 39	1 7	1 56	2 19	7 49	0 39	7 12	0 54	2 58 16 5	3 1 4	0 32	1 47	14 4	2 37
S 9	15 48	19 25 3	45 19 32	1 16	15 35	1 20	5 51	3 48	3 34	1 7	1 58	2 19	7 49	0 39	7 11	0 54	2 59 16 5	3 1 4	0 33	1 44	14 4	2 37
M10	15 30	23 29 4	26 19 6	1 23	15 12	1 21	5 59	3 49	3 29	1 7	2 1	2 19	7 49	0 39	7 11	0 54	2 59 16 5	4 1 4	0 34	1 40	14 5	2 37
T 11	15 13	26 33 4	55 18 37	1 28	14 48	1 22	6 7	3 50	3 25	1 7	2 3	2 18	7 48	0 39	7 10	0 54	2 59 16 5	4 1 5	0 36	1 37	14 6	2 37
W12	14 55	28 19 5	10 18 7	1 33	14 24	1 22	6 15	3 51	3 20	1 7	2 5	2 18	7 48	0 39	7 9	0 54	3 0 16 5	4 1 6	0 37	1 33	14 7	2 37
T 13	14 37					1 23	6 22	3 52	3 15	1 7	2 7	2 18	7 48	0 39	7 8	0 54	3 0 16 5	5 1 8	0 38	1 30	14 8	2 37
F 14			49 17 (-		1 24	6 30	3 52	3 11	1 6	2 10	2 18	7 47	0 39	7 7	0 54	3 0 16 5	5 1 10	0 39	1 27	14 8	2 37
S 15	14 0	23 24 4	11 16 24	1 43	13 9	1 24	6 37	3 53	3 6	1 6	2 12	2 18	7 47	0 39	7 7	0 54	3 1 16 5	5 1 12	0 41	1 23	14 9	2 37
S 16	13 41	18 25 3	15 15 46	1 45	12 44	1 25	6 44	3 54	3 1	1 6	2 14	2 18	7 47	0 39	7 6	0 54	3 1 16 5	6 1 14	0 42	1 20	14 10	2 37
M17	13 22	12 15 2	5 15 6	1 45	12 18	1 25	6 51	3 55	2 56	1 6	2 17	2 18	7 46	0 39	7 5	0 54	3 2 16 5	6 1 15	0 43	1 16	14 11	2 37
T 18	13 2	5 21 0	47 14 26	1 46	11 51	1 25	6 57	3 55	2 51	1 6	2 19	2 17	7 46	0 39	7 4	0 54	3 2 16 5	6 1 16	0 44	1 13	14 12	2 37
W19	12 43		s35 13 44	1 45	11 25	1 26	7 4	3 56	2 47	1 6	2 22	2 17	7 45		7 3	0 54	3 2 16 5	7 1 16	0 46	1 9	14 13	2 37
T 20	12 23	8 46 1	53 13 1		10 58	1 26	7 10	3 57	2 42	1 6	2 24	2 17	7 45		7 3	0 54	3 3 16 5	7 1 15	0 47		14 14	2 37
F 21	12 3					1 26	7 16	3 57	2 37	1 6	2 26	2 17	7 45		7 2	0 54	3 3 16 5		0 48		14 15	2 37
S 22	11 43	20 34 4	0 11 33	1 40	10 3	1 26	7 22	3 58	2 32	1 6	2 29	2 17	7 44	0 39	7 1	0 54	3 4 16 5	8 1 14	0 49	0 59	14 16	2 37
S 23	11 23	24 46 4	41 10 49	1 37	9 35	1 26	7 27	3 58	2 27	1 6	2 31	2 17	7 44	0 39	7 0	0 54	3 4 16 5	8 1 14	0 51	0 55	14 18	2 37
M24	11 2	27 29 5	6 10 3	1 34	9 7	1 26	7 33	3 59	2 22	1 6	2 34	2 17	7 43	0 39	6 59	0 54	3 4 16 5	8 1 14	0 52	0 52	14 19	2 37
T 25	10 42	28 38 5	14 9 17	1 30	8 39	1 26	7 38	3 59	2 17	1 6	2 36	2 17	7 43	0 39	6 58	0 54	3 5 16 5	8 1 15	0 53	0 49	14 20	2 37
W26	10 21	28 11 5	7 8 31	1 26	8 10	1 25	7 43	4 0	2 12	1 6	2 39	2 16	7 42	0 39	6 58	0 54	3 5 16 5	9 1 16	0 54	0 45	14 21	2 37
T 27	10 0				7 41	1 25	7 48	4 0		1 6	2 42	2 16	7 42		6 57	0 54	3 6 16 5		0 56		14 22	2 37
F 28	9 39	23 8 4	9 6 59	1 17	7 12	1 25	7 52	4 1	2 2	1 6	2 44	2 16	7 41		6 56	0 54	3 6 16 5	9 1 19	0 57	0 38	14 23	2 37
S 29	9 18	19 2 3	22 6 12	1 11	6 43	1 24	7 57	4 1	1 57	1 6	2 47	2 16	7 40	0 40	6 55	0 54	3 7 17	0 1 20	0 58	0 35	14 25	2 37
S 30	8 56	14 12 2	27 5 26	1 6	6 14	1 24	8 1	4 1	1 52	1 6	2 49	2 16	7 40	0 40	6 54	0 54	3 7 17	0 1 21	1 0	0 31	14 26	2 37
M31	8n35	8 s 5 3 1 :	s27 4n39	1n 0	5n44	1n23	8n 5	4 s 1	1n47	1n 6	2 s 5 2	2n16	7n39	0 s40	6n53	0n54	3 s 7 17 s	0 1 s22	1 s 1	0 s 2 8	14 s27	2n37

Julian Day Number = 2487916.5, Delta T = 92.99 sec Ecliptic obliquity = 23°25'44, Nutation = $0^\circ00'02$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = $26^{\circ}07'54$, Lahiri = $25^{\circ}14'54$

SEPTEMBER 2099 00:00 UT

JLI	ILIIDLK	2033													00.0	0 0 1
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T 1	22 41 57	8 m 55'30	22) 33	22 m) 17	19 m /58	1817	28 Mp 14	12 ≏ 39	21°R10	14 m 39	4°R13	26°D34	27) 24	28) 42	17 M .18	T 1
W 2	22 45 54	9°53'30	4 Υ 21	23°59	21°12	1°28	28°26	12°45	21 Y 9	14°41	4812	26) 34	27°21	28°49	17°23	W 2
T 3	22 49 50	10°51'33	16° 8	25°40	22°26	1°37	28°39	12°52	21° 7	14°43	4°12	26°35	27°17	28°56	17°28	T 3
F 4	22 53 47	11°49'37	27°58	27°19	23°40	1°46	28°52	12°58	21° 5	14°46	4°11	26°36	27°14	29° 2	17°33	F 4
S 5	22 57 44	12°47'43	9 8 54	28°57	24°55	1°54	29° 4	13° 5	21° 4	14°48	4°10	26°37	27°11	29° 9	17°38	S 5
S 6	23 1 40	13°45'51	22° 1	0 ჲ 34	26° 9	2° 2	29°17	13°12	21° 2	14°50	4°10	26°38	27° 8	29°16	17°43	S 6
M 7	23 5 37	14°44'01	4 Ⅱ 22	2°10	27°23	2° 8	29°30	13°18	21° 0	14°52	4° 9	26°39	27° 5	29°22	17°48	M 7
T 8	23 9 33	15°42'13	17° 2	3°45	28°37	2°14	29°42	13°25	20°58	14°54	4° 8	26°R39	27° 2	29°29	17°53	T 8
W 9	23 13 30	16°40'27	09 4	5°18	29°52	2°18	29°55	13°32	20°56	14°57	4° 8	26°39	26°58	29°35	17°58	W 9
T 10	23 17 26	17°38'43	13°31	6°50	1 º 6	2°22	0 亚 8	13°39	20°54	14°59	4° 7	26°38	26°55	29°42	18° 4	T 10
F 11	23 21 23	18°37'01	27°26	8°21	2°20	2°25	0°21	13°46	20°52	15° 1	4° 6	26°37	26°52	29°49	18° 9	F 11
S 12	23 25 19	19°35'21	11 Ω 47	9°51	3°34	2°28	0°34	13°53	20°50	15° 3	4° 5	26°36	26°49	29°55	18°15	S 12
S 13	23 29 16	20°33'43	26°32	11°20	4°49	2°29	0°46	14° 0	20°49	15° 6	4° 5	26°36	26°46	0Υ 2	18°20	S 13
M14	23 33 13	21°32'07	11 m 33	12°47	6° 3	2°R29	0°59	14° 7	20°46	15° 8	4° 4	26°35	26°43	0° 9	18°26	M14
T 15	23 37 9	22°30'33	26°44	14°14	7°17	2°29	1°12	14°14	20°44	15°10	4° 3	26°D35	26°39	0°15	18°32	T 15
W16	23 41 6	23°29'01	11 ≏ 54	15°39	8°32	2°28	1°25	14°21	20°42	15°12	4° 2	26°35	26°36	0°22	18°38	W16
T 17	23 45 2	24°27'30	26°55	17° 3	9°46	2°25	1°38	14°28	20°40	15°14	4° 1	26°35	26°33	0°29	18°44	T 17
F 18	23 48 59	25°26'01	11 M .38	18°25	11° 0	2°22	1°51	14°35	20°38	15°17	4° 1	26°36	26°30	0°35	18°50	F 18
S 19	23 52 55	26°24'34	25°58	19°46	12°14	2°18	2° 4	14°42	20°36	15°19	4° 0	26°R36	26°27	0°42	18°56	S 19
S 20	23 56 52	27°23'09	9 ∡ 153	21° 6	13°29	2°13	2°17	14°49	20°34	15°21	3°59	26°36	26°23	0°49	19° 2	S 20
M21	0 0 48	28°21'45	23°22	22°25	14°43	2° 7	2°30	14°56	20°32	15°23	3°58	26°D36	26°20	0°55	19°8	M21
T 22	0 4 45	29°20'23	6 ප 27	23°42	15°57	2° 1	2°43	15° 3	20°29	15°25	3°57	26°36	26°17	1° 2	19°14	T 22
W23	0 8 42	0 ჲ 19'03	19°10	24°57	17°12	1°53	2°56	15°10	20°27	15°28	3°56	26°36	26°14	1° 8	19°20	W23
T 24	0 12 38	1°17'44	1≈36	26°11	18°26	1°45	3° 9	15°18	20°25	15°30	3°55	26°36	26°11	1°15	19°27	T 24
F 25	0 16 35	2°16'27	13°48	27°24	19°40	1°36	3°22	15°25	20°23	15°32	3°54	26°37	26° 8	1°22	19°33	F 25
S 26	0 20 31	3°15'11	25°49	28°34	20°54	1°26	3°35	15°32	20°20	15°34	3°53	26°37	26° 4	1°28	19°40	S 26
S 27	0 24 28	4°13'58	7) €43	29°43	22° 9	1°15	3°48	15°39	20°18	15°36	3°52	26°38	26° 1	1°35	19°46	S 27
M28	0 28 24	5°12'46	19°32	0 M .50	23°23	1° 4	4° 1	15°47	20°16	15°38	3°52	26°38	25°58	1°42	19°53	M28
T 29	0 32 21	6°11'36	1 Υ 20	1°55	24°37	0°52	4°14	15°54	20°13	15°40	3°51	26°R38	25°55	1°48	19°59	T 29
W30	0 36 17	7 ≙ 10'28	13 ° 8	2M57	25 ≏ 51	0 8 39	4 ≗ 27	16 ♀ 1	20 Y 11	15 m 43	3 8 50	26 米 38	25 米 52	1 Y 55	20M 6	W30

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T 1 W 2 T 3 F 4	8n13 7 51 7 29	3 s18 0 s22 2n23 0n43 7 59 1 46 13 19 2 45	3n53	5n15 1n23 4 45 1 22 4 15 1 21 3 45 1 21	8n 8 4s 1 8 12 4 2 8 15 4 2 8 18 4 2	1n42 1n 5 1 37 1 5 1 32 1 5 1 27 1 5	2 s 5 2 n 1 6 2 5 7 2 1 6 3 0 2 1 6 3 2 2 1 5	7n39 0s40 7 38 0 40 7 37 0 40 7 37 0 40	6n52	3s 8 17s 1 3 8 17 1 3 9 17 1 3 9 17 1	1 22 1	3 0 21 5 0 18	
S 5	6 45		0 49 0 27	3 15 1 20	8 21 4 2	1 27 1 3	3 5 2 15	7 36 0 40	6 49 0 54	3 10 17 2	1 21 1		14 32 2 37 14 34 2 37
S 6 M 7 T 8 W 9 T 10 F 11 S 12	6 1 5 38 5 16 4 53 4 30	22 28 4 21 25 49 4 54 27 59 5 13 28 43 5 17 27 47 5 4 25 7 4 33 20 50 3 44	0 4 0 20 0s41 0 12 1 25 0 5 2 9 0s 3 2 53 0 11 3 36 0 18 4 18 0 26	2 44 1 19 2 14 1 18 1 43 1 17 1 13 1 16 0 42 1 15 0 12 1 13 0s19 1 12	8 24 4 1 8 26 4 1 8 28 4 1 8 30 4 1 8 32 4 0 8 33 4 0 8 34 3 59	1 17 1 5 1 12 1 5 1 7 1 5 1 2 1 5 0 57 1 5 0 52 1 5 0 46 1 5	3 8 2 15 3 11 2 15 3 13 2 15 3 16 2 15 3 19 2 15 3 21 2 15 3 24 2 15	7 35 0 40 7 35 0 40 7 34 0 40 7 33 0 40 7 33 0 40 7 32 0 40 7 31 0 40	6 48 0 54 6 47 0 54 6 47 0 54 6 46 0 54 6 45 0 54 6 44 0 54 6 43 0 54	3 10 17 2 3 11 17 2 3 11 17 2 3 11 17 3 3 12 17 3 3 12 17 3 3 13 17 3	1 20 1 1 20 1 1 1 20 1 1 1 20 1 1 1 20 1 1 1 21 1 1 1 21 1 1	1 0 0 2 0n 3 3 0 7 5 0 10	14 37 2 37
S 13 M14 T 15 W16 T 17 F 18 S 19	3 44 3 21 2 58 2 35 2 12 1 49	15 10 2 39 8 30 1 23 1 17 0s 1 6s 0 1 24 12 52 2 41 18 53 3 45		0 50 1 11 1 20 1 9 1 51 1 8 2 22 1 6 2 52 1 5 3 23 1 3 3 54 1 1	8 35 3 59 8 36 3 58 8 37 3 57 8 37 3 56 8 37 3 55 8 37 3 55 8 36 3 54	0 41 1 5 0 36 1 5 0 31 1 5 0 26 1 5 0 16 1 5 0 11 1 5 5 0 11 1 5	3 27 2 15 3 30 2 15 3 32 2 15 3 35 2 14 3 38 2 14 3 41 2 14 3 43 2 14	7 30 0 40 7 30 0 40 7 29 0 40 7 28 0 40 7 27 0 40 7 26 0 40		3 13 17 4 3 14 17 4 3 14 17 4 3 15 17 4 3 15 17 5 3 16 17 5 3 16 17 5	1 21 1 1 1 21 1 1 1 21 1 2 1 21 1 2 1 21 1 2 1 21 1 2 1 21 1 2	7 0 17 8 0 20 0 0 24 1 0 27 2 0 31 4 0 34	14 45 2 38 14 47 2 38 14 48 2 38 14 50 2 38 14 52 2 38 14 53 2 38 14 53 2 38
S 20 M21 T 22 W23 T 24 F 25 S 26	0 39 0 16 0s 8 0 31 0 54 1 18	28 29 5 13 26 54 4 54 24 2 4 21 20 8 3 36 15 28 2 43	10 14 1 38	4 24 1 0 4 54 0 58 5 25 0 56 5 55 0 54 6 25 0 52 6 55 0 50 7 25 0 48 7 54 0 46	8 36 3 52 8 35 3 51 8 34 3 50 8 33 3 48 8 32 3 47 8 30 3 45 8 29 3 43 8 27 3 41	0 5 1 5 0 0 1 5 0s 5 1 5 0 10 1 5 0 15 1 5 0 20 1 5 0 25 1 5	3 46 2 14 3 49 2 14 3 52 2 14 3 55 2 14 3 57 2 14 4 0 2 14 4 3 2 14	7 24 0 40 7 23 0 40 7 22 0 40 7 21 0 40 7 21 0 40 7 20 0 40	6 36 0 54 6 36 0 54 6 35 0 54 6 34 0 54 6 33 0 54 6 32 0 54 6 31 0 54	3 17 17 5 3 17 17 5 3 17 17 6 3 18 17 6 3 18 17 6 3 19 17 6 3 19 17 6	1 21 1 2 1 21 1 2 1 21 1 2 1 21 1 3 1 21 1 3 1 21 1 3 1 21 1 3	7 0 45 9 0 48 0 0 52 1 0 55 2 0 58 4 1 2	15 1 2 38 15 3 2 38 15 5 2 38 15 6 2 38
M28 T 29 W30	2 4 2 28 2 s51	4 45 0 39 0n56 0n26	13 36 2 23 14 6 2 30 14 35 2 37 15s 2 2s43	8 24 0 44 8 53 0 42 9 s 22 0 n 40	8 25 3 39 8 22 3 37 8n20 3 s 35	0 36 1 5 0 41 1 5	4 6 2 14 4 9 2 14 4 12 2 14 4 s14 2n14	7 18 0 40 7 17 0 40	6 30 0 54 6 29 0 55	3 20 17 6 3 20 17 7 3 21 17 7 3 s21 17 s 7	1 20 1 3 1 20 1 3 1 20 1 3 1 s20 1 s3	6 1 9 7 1 12	

 $\label{eq:Julian Day Number = 2487947.5} \ Delta\ T = 93.03\ sec$ Ecliptic obliquity = 23°25'44, Nutation = 0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°07'58, Lahiri = 25°14'59

OCTOBER 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)ұ(¥	Р	R	Ω	Ç	ķ	Day
T 1	0 40 14	8 º 9'22	24 Υ 59	3ML57	27 ♀ 5	0°R25	<u>-</u> 4 <u>₽</u> 40	16 <u>0</u> 8	20°R 9	15 m)45	3°R49	26°R37	25) (49	2 Υ 2	20 M _13	T 1
F 2	0 40 14	9° 8'18	6 8 55	4°54	28°20	0 K23 0 8 11	4°53	16°16	20 K 9 20Υ 6	15°47	3 K49 3 8 48	26 K37 26 H 35	25°45	2° 8	201613 20°19	F 2
S 3	0 44 11	10° 7'17	18°59	5°49	29°34	29 Y 56	5° 6	16°23	20° 4	15°49	3°47	26°33	25°42	2°15	20°26	S 3
S 4	0 52 4	11° 6'18	1 I I11	6°40	0 M .48	29°41	5°19	16°30	20° 2	15°51	3°46	26°31	25°39	2°22	20°33	S 4
M 5	0 56 0	12° 5'21	13°37	7°28	2° 2	29°25	5°31	16°38	19°59	15°53	3°44	26°29	25°36	2°28	20°40	M 5
T 6	0 59 57	13° 4'26	26°17	8°13	3°17	29° 8	5°44	16°45	19°57	15°55	3°43	26°28	25°33	2°35	20°47	T 6
W 7	1 3 53	14° 3'33	99516	8°53	4°31	28°51	5°57	16°52	19°54	15°57	3°42	26°D27	25°29	2°41	20°54	W 7
T 8	1 7 50	15° 2'43	22°37	9°29	5°45	28°33	6°10	17° 0	19°52	15°59	3°41	26°27	25°26	2°48	21° 1	T 8
F 9	1 11 46	16° 1'56	6 Ω 20	10° 1	6°59	28°15	6°23	17° 7	19°50	16° 1	3°40	26°28	25°23	2°55	21° 8	F 9
S 10	1 15 43	17° 1'10	20°28	10°27	8°13	27°57	6°36	17°14	19°47	16° 3	3°39	26°29	25°20	3° 1	21°15	S 10
S 11	1 19 40	18° 0'27	4 m 59	10°47	9°28	27°38	6°49	17°22	19°45	16° 5	3°38	26°31	25°17	3°8	21°23	S 11
M12	1 23 36	18°59'46	19°49	11° 2	10°42	27°19	7° 2	17°29	19°42	16° 7	3°37	26°R32	25°14	3°15	21°30	M12
T 13	1 27 33	19°59'07	4 ₾ 53	11°10	11°56	27° 0	7°15	17°37	19°40	16° 9	3°36	26°31	25°10	3°21	21°37	T 13
W14	1 31 29	20°58'30	20° 3	11°R11	13°10	26°41	7°27	17°44	19°37	16°11	3°35	26°30	25° 7	3°28	21°45	W14
T 15	1 35 26	21°57'56	5 M 9	11° 4	14°25	26°22	7°40	17°51	19°35	16°13	3°34	26°28	25° 4	3°35	21°52	T 15
F 16	1 39 22	22°57'23	20° 1	10°49	15°39	26° 2	7°53	17°59	19°32	16°14	3°33	26°24	25° 1	3°41	21°59	F 16
S 17	1 43 19	23°56'52	4 ₹ 33	10°26	16°53	25°43	8° 6	18° 6	19°30	16°16	3°31	26°20	24°58	3°48	22° 7	S 17
S 18	1 47 15	24°56'24	18°38	9°54	18° 7	25°23	8°19	18°13	19°28	16°18	3°30	26°16	24°55	3°55	22°14	S 18
M19	1 51 12	25°55'57	2 ට 16	9°14	19°21	25° 4	8°31	18°21	19°25	16°20	3°29	26°13	24°51	4° 1	22°22	M19
T 20	1 55 9	26°55'31	15°25	8°26	20°35	24°45	8°44	18°28	19°23	16°22	3°28	26°11	24°48	4° 8	22°29	T 20
W21	1 59 5	27°55'08	28°10	7°30	21°50	24°26	8°57	18°35	19°20	16°24	3°27	26°D11	24°45	4°15	22°37	W21
T 22	2 3 2	28°54'46	10≈34	6°26	23° 4	24° 7	9° 9	18°42	19°18	16°25	3°26	26°11	24°42	4°21	22°44	T 22
F 23	2 6 58	29°54'26	22°41	5°17	24°18	23°49	9°22	18°50	19°16	16°27	3°25	26°13	24°39	4°28	22°52	F 23
S 24	2 10 55	0 M 54'07	4) (38	4° 4	25°32	23°31	9°34	18°57	19°13	16°29	3°24	26°14	24°35	4°34	23° 0	S 24
S 25	2 14 51	1°53'50	16°27	2°49	26°46	23°13	9°47	19° 4	19°11	16°30	3°22	26°16	24°32	4°41	23° 7	S 25
M26	2 18 48	2°53'35	28°14	1°34	28° 0	22°56	9°59	19°11	19° 9	16°32	3°21	26°R16	24°29	4°48	23°15	M26
T 27	2 22 44	3°53'22	10 Υ 2	0°21	29°14	22°39	10°12	19°19	19° 6	16°34	3°20	26°15	24°26	4°54	23°23	T 27
W28	2 26 41	4°53'11	21°54	29 ₾ 12	0 ∡ 128	22°23	10°24	19°26	19° 4	16°35	3°19	26°12	24°23	5° 1	23°31	W28
T 29	2 30 37	5°53'01	3 8 52	28°10	1°42	22° 7	10°36	19°33	19° 2	16°37	3°18	26° 7	24°20	5°8	23°38	T 29
F 30	2 34 34	6°52'54	15°59	27°16	2°57	21°52	10°49	19°40	18°59	16°39	3°17	26° 1	24°16	5°14	23°46	F 30
S 31	2 38 31	7 M 52'48	28 8 15	26 ₽ 32	4 ₹ 11	21 Y 37	11 ≏ 1	19 ≏ 47	18 Y 57	16 M 40	3 8 16	25) 53	24 米 13	5 Ƴ 21	23 M .54	S 31

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T 1 F 2 S 3	3 s14 3 37 4 0	12n 0 2n31 17 3 3 25 21 28 4 11	15 54 2 5		8n17 3s33 8 15 3 30 8 12 3 28	0s51 1n 5 0 56 1 5 1 1 1 5	4s17 2n14 4 20 2 14 4 23 2 14	7n15 0s40 7 14 0 40 7 13 0 40	6n27 0n55 6 27 0 55 6 26 0 55	3 s22 17 s 7 3 22 17 7 3 23 17 7	1 s21 1 s4 1 21 1 4 1 22 1 4	1 1 23	15 s 15 2 n 38 15 16 2 39 15 18 2 39
S 4 M 5 T 6 W 7 T 8 F 9	4 47 5 10 5 33 5 55	27 31 5 8 28 39 5 16 28 14 5 8 26 12 4 44	17 0 3 1 17 18 3 1	15 12 12 0 26 18 12 39 0 23 21 13 6 0 21	8 9 3 25 8 6 3 23 8 3 3 20 8 0 3 17 7 56 3 14 7 53 3 11	1 6 1 5 1 12 1 5 1 17 1 5 1 22 1 5 1 27 1 6 1 32 1 6	4 26 2 14 4 28 2 14 4 31 2 14 4 34 2 14 4 37 2 14 4 40 2 14	7 13 0 40 7 12 0 40 7 11 0 40 7 10 0 40 7 9 0 40 7 8 0 40	6 25 0 55 6 24 0 55 6 24 0 55 6 23 0 55 6 22 0 55 6 21 0 55	3 23 17 7 3 23 17 8 3 24 17 8 3 24 17 8 3 25 17 8 3 25 17 8	1 24 1 4	15 1 33 16 1 36 17 1 40 19 1 43	15 20 2 39 15 22 2 39 15 23 2 39 15 25 2 39 15 27 2 39 15 28 2 39
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17	7 4 7 26 7 49 8 11 8 33 8 55	11 29 1 56 4 36 0 37 2s39 0s46 9 47 2 6 16 19 3 17 21 48 4 13	18 22 3 2 18 16 3 1 18 6 3 1	26	7 49 3 7 7 46 3 4 7 42 3 1 7 39 2 57 7 35 2 54 7 31 2 50 7 28 2 46 7 24 2 43	1 37 1 6 1 42 1 6 1 47 1 6 1 52 1 6 1 57 1 6 2 2 1 6 2 7 1 6 2 12 1 6	4 42 2 14 4 45 2 14 4 48 2 14 4 51 2 14 4 53 2 14 4 56 2 14 4 59 2 14 5 2 2 14	7 7 0 40 7 6 0 40 7 5 0 40 7 4 0 40 7 3 0 40 7 3 0 40 7 2 0 40 7 1 0 40	6 19 0 55 6 18 0 55 6 18 0 55 6 17 0 55 6 16 0 55	3 26 17 8 3 26 17 8 3 26 17 8 3 27 17 8 3 27 17 8 3 28 17 8 3 28 17 9 3 28 17 9	1 23 1 5 1 24 1 5	33 1 54 34 1 57 35 2 0 36 2 4 38 2 7 39 2 11	15 37 2 40
S 18 M19 T 20 W21 T 22 F 23 S 24	10 22 10 44 11 5 11 26	28 36 5 12 27 26 4 56 24 52 4 26 21 11 3 44 16 41 2 53	16 13 2 2 15 37 2	46 17 41 0 8 34 18 4 0 11 20 18 26 0 14 4 18 48 0 16 47 19 9 0 19	7 21 2 39 7 18 2 35 7 14 2 31 7 11 2 27 7 8 2 23 7 5 2 19 7 2 2 15	2 17 1 6 2 22 1 6 2 27 1 6 2 32 1 6 2 37 1 6 2 42 1 6 2 46 1 6	5 4 2 14 5 7 2 14 5 10 2 14 5 13 2 14 5 15 2 14 5 18 2 14 5 21 2 14	7 0 0 40 6 59 0 40 6 58 0 40 6 57 0 40 6 56 0 40 6 55 0 40 6 54 0 40		3 29 17 9 3 29 17 9 3 30 17 9 3 30 17 9 3 30 17 9 3 31 17 9 3 31 17 9	1 29 2 1 30 2 1 31 2 1 31 2 1 31 2 1 30 2 1 30 2	3 2 21 4 2 25 5 2 28 6 2 31 8 2 35	15 44 2 40 15 46 2 40 15 48 2 40 15 50 2 41 15 51 2 41 15 53 2 41 15 55 2 41
S 25 M26 T 27 W28 T 29 F 30 S 31		0 32 0n11 5n 7 1 14 10 37 2 15	12 46 0 4 12 1 0 2 11 18 0 10 37 0n1 10 0 0 3		7 0 2 11 6 57 2 6 6 55 2 2 6 53 1 58 6 51 1 54 6 49 1 50 6n47 1 s46	3 1 1 7 3 6 1 7 3 10 1 7 3 15 1 7	5 23 2 14 5 26 2 14 5 29 2 15 5 31 2 15 5 34 2 15 5 37 2 15 5 s39 2n15	6 54 0 40 6 53 0 40 6 52 0 40 6 51 0 40 6 50 0 40 6 49 0 40 6n48 0s40	6 10 0 55 6 9 0 55 6 8 0 55 6 8 0 55 6 7 0 55	3 32 17 9 3 32 17 9 3 32 17 9 3 33 17 9 3 33 17 9 3 33 17 9 3 33 17 9 3 s34 17s 9	1 29 2 1 29 2 1 29 2 1 30 2 1 32 2 1 35 2 1 s38 2 s	1 2 45 3 2 49 4 2 52 5 2 55 6 2 59	16 2 2 42 16 4 2 42

Julian Day Number = 2487977.5, Delta T = 93.07 sec Ecliptic obliquity = 23°25'44, Nutation = 0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°08'02, Lahiri = 25°15'03

NOVEMBER 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	ß	Ω	Ç	ę,	Day
S 1	2 42 27	8ML52'45	10 Ⅱ 41	25°R59	5 ₹ 25	21°R23	11 ≏ 13	19 ≏ 54	18°R55	16 m 42	3°R15	25°R45	24 米 10	5 Υ 28	24M 2	S 1
M 2	2 46 24	9°52'44	23°19	25 ♀ 38	6°39	21 Y 10	11°25	20° 1	18 Y 52	16°43	3 8 13	25) 38	24° 7	5°34	24°10	M 2
T 3	2 50 20	10°52'44	699 9	25°D28	7°53	20°58	11°38	20° 8	18°50	16°45	3°12	25°31	24° 4	5°41	24°18	T 3
W 4	2 54 17	11°52'47	19°13	25°29	9° 7	20°46	11°50	20°15	18°48	16°46	3°11	25°27	24° 0	5°48	24°26	W 4
T 5	2 58 13	12°52'52	2€33	25°42	10°21	20°35	12° 2	20°22	18°46	16°48	3°10	25°24	23°57	5°54	24°34	T 5
F 6	3 2 10	13°52'59	16° 9	26° 4	11°35	20°24	12°14	20°29	18°44	16°49	3° 9	25°D24	23°54	6° 1	24°41	F 6
S 7	3 6 7	14°53'08	0 m y 3	26°36	12°49	20°14	12°26	20°36	18°42	16°50	3° 8	25°25	23°51	6° 8	24°49	S 7
S 8	3 10 3	15°53'20	14°16	27°17	14° 3	20° 5	12°38	20°43	18°40	16°52	3° 7	25°26	23°48	6°14	24°57	S 8
M 9	3 14 0	16°53'33	28°46	28° 6	15°17	19°57	12°49	20°50	18°37	16°53	3° 6	25°R26	23°45	6°21	25° 5	M 9
T 10	3 17 56	17°53'48	13 ≏ 30	29° 1	16°31	19°50	13° 1	20°57	18°35	16°54	3° 4	25°25	23°41	6°27	25°13	T 10
W11	3 21 53	18°54'05	28°23	OM 3	17°45	19°43	13°13	21° 4	18°33	16°56	3° 3	25°21	23°38	6°34	25°21	W11
T 12	3 25 49	19°54'24	13 M .16	1°10	18°59	19°38	13°24	21°11	18°31	16°57	3° 2	25°15	23°35	6°41	25°29	T 12
F 13	3 29 46	20°54'45	28° 3	2°21	20°13	19°33	13°36	21°17	18°29	16°58	3° 1	25° 6	23°32	6°47	25°37	F 13
S 14	3 33 42	21°55'08	12 × 34	3°36	21°27	19°29	13°48	21°24	18°28	16°59	3° 0	24°57	23°29	6°54	25°45	S 14
S 15	3 37 39	22°55'32	26°42	4°55	22°41	19°25	13°59	21°31	18°26	17° 0	2°59	24°47	23°26	7° 1	25°53	S 15
M16	3 41 36	23°55'58	10 る 25	6°16	23°54	19°23	14°10	21°37	18°24	17° 1	2°58	24°39	23°22	7° 7	26° 1	M16
T 17	3 45 32	24°56'25	23°39	7°40	25° 8	19°21	14°22	21°44	18°22	17° 3	2°57	24°32	23°19	7°14	26° 9	T 17
W18	3 49 29	25°56'53	6≈28	9° 6	26°22	19°D21	14°33	21°50	18°20	17° 4	2°56	24°28	23°16	7°21	26°17	W18
T 19	3 53 25	26°57'23	18°54	10°33	27°36	19°21	14°44	21°57	18°18	17° 5	2°55	24°26	23°13	7°27	26°25	T 19
F 20	3 57 22	27°57'54	1) 3	12° 2	28°50	19°21	14°55	22° 3	18°17	17° 6	2°54	24°D26	23°10	7°34	26°33	F 20
S 21	4 1 18	28°58'26	12°58	13°32	0중 4	19°23	15° 6	22°10	18°15	17° 7	2°53	24°26	23° 6	7°41	26°41	S 21
S 22	4 5 15	29°58'59	24°47	15° 3	1°18	19°25	15°17	22°16	18°13	17° 7	2°52	24°R27	23° 3	7°47	26°49	S 22
M23	4 9 11	0 ₮ 59'34	6 Ƴ 34	16°34	2°31	19°29	15°28	22°22	18°12	17° 8	2°51	24°26	23° 0	7°54	26°57	M23
T 24	4 13 8	2° 0'09	18°24	18° 6	3°45	19°32	15°39	22°29	18°10	17° 9	2°50	24°23	22°57	8° 1	27° 5	T 24
W25	4 17 5	3° 0'46	0820	19°39	4°59	19°37	15°50	22°35	18° 9	17°10	2°49	24°17	22°54	8° 7	27°13	W25
T 26	4 21 1	4° 1'25	12°27	21°12	6°13	19°43	16° 0	22°41	18° 7	17°11	2°48	24° 9	22°51	8°14	27°21	T 26
F 27	4 24 58	5° 2'05	24°46	22°45	7°26	19°49	16°11	22°47	18° 6	17°12	2°47	23°58	22°47	8°21	27°29	F 27
S 28	4 28 54	6° 2'46	7 Ⅱ 18	24°19	8°40	19°56	16°21	22°53	18° 4	17°12	2°46	23°46	22°44	8°27	27°37	S 28
S 29	4 32 51	7° 3'28	20° 4	25°52	<u>9</u> °54	20° 3	16°32	22°59	18° 3	17°13	2°45	23°33	22°41	8°34	27°45	S 29
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S 8	16 35		1 0	8 28	2 11	23 30	1 2	6 43	1 13	3 57	1 8	6 0	2 16	6 42	0 40	6 2	0 56	3 36 17 8	1 49	2 28		16 21	2 44
M 9	16 52		0s18	8 42		23 41	1 4	6 43	1 10		1 8	6 2	2 16	6 41	0 39	6 2	0 56	3 36 17 8	- 1	2 29		16 23	2 44
T 10	17 9		1 36		2 16		1 7	6 44	1 6	4 6	1 8	6 4	2 16	6 40		6 1	0 56	3 36 17 8	- 1	2 30		16 24	2 44
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T 12		19 26	3 48	9 45	2 16		1 11	6 47	0 58	4 15	1 8	6 9	2 16	6 39		6 1	0 56	3 37 17 8	1 53	2 33		16 28	2 44
F 13 S 14	17 59 18 14		-	10 11 10 39	2 14		1 14	6 48	0 55 0 51	4 19	1 8 1 8	6 12	2 16	6 38		6 0	0 56	3 37 17 8 3 37 17 7		2 34	-	16 29	2 45
	18 14	27 13	4 38	10 39	2 12	24 25	1 16	6 50	0 51	4 23	1 8	6 14	2 16	6 38	0 39	6 0	0 56	3 37 17 7	2 0	2 35		16 31	2 45
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T 17	19 0			12 9	2 1		1 23	6 57	0 40	4 36	1 9	6 21	2 17	6 35		5 58	0 56	3 38 17 7	2 10	2 39		16 36	2 45
W18 T 19	-	22 19 17 58		12 41 13 13	1 56 1 51	-	1 25 1 27	7 0 7 3	0 37 0 34	4 40 4 45	1 9 1 9	6 23 6 26	2 17 2 17	6 35 6 34	0 39	5 58 5 58	0 56	3 38 17 7 3 38 17 7	2 12 2 13	2 40 2 42		16 38 16 39	2 46
F 20	19 42			13 46		24 52	1 27	7 6	0 30	4 43	1 9 1 9	6 28	2 17	6 34		5 57	0 56 0 56	3 39 17 6		2 42		16 41	2 46
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W25	20 33	14 22		16 27	1 21	24 59 24 59	1 37 1 39	7 22 7 26	0 18 0 15	5 5 5 9	1 10 1 10	6 37 6 39	2 18 2 18	6 31 6 31	0 39	5 56 5 56	0 56 0 56	3 39 17 6 3 39 17 6	2 14 2 16	2 48 2 49		16 47 16 49	2 47
	20 43			16 58	1 14		1 40	7 31	0 13	5 13	1 10	6 41	2 18	6 30		5 56	0 56	3 39 17 6	2 19	2 49		16 50	2 47
F 27		23 13	-	17 29	1 0		1 42	7 36	0 12	5 17	1 10	6 43	2 18	6 30		5 55	0 56	3 39 17 5		2 52	-	16 52	2 48
	21 18		-	17 59		24 52	1 44	7 41	0 6	5 21	1 10	6 45	2 18	6 29		5 55	0 56	3 40 17 5		2 53		16 53	2 48
S 29	21 29	28 3	5 0	18 28	0 46	24 49	1 45	7 47	0 4	5 25	1 10	6 47	2 18	6 29	0 39	5 55	0 56	3 40 17 5	2 34	2 54	4 41	16 55	2 49
		28n20	-	18 s 56		24 49 24 s44	1 s47	7n52		5 s28	1 10 1n11	6s49	2 10 2n19	6n28			0 50 0n57	3 s40 17 5 3 s40 17 s 5	_	2 s55		16 55 16 s 5 6	-
M30	21 s39	28n20	4n57	18 s 5 6	0n39	24 s44	1 s47	7n52	0s 1	5 s28	1n11	6 s 4 9	2n19	6n28	0s39	5n55	0n57	3 s40 17 s 5	2 s39	2 s55	4n45	16s56	2n4

Julian Day Number = 2488008.5, Delta T = 93.10 sec Ecliptic obliquity = $23^{\circ}25'44$, Nutation = $0^{\circ}00'00$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}08'07$, Lahiri = $25^{\circ}15'07$

DECEMBER 2099 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(并	Р	R	Ω	Ç	ķ	Day
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W 2	4 44 40	10° 5'43	29°32	0 × ⁷ 34	13°34	20°30	17° 2	23°17	17 Y 59	17°15	2843	23 X 1	22°32	8°54	28° 9	W 2
T 3	4 48 37	11° 6'31	13 Ω 2	2° 8	14°48	20°40	17°12	23°22	17°58	17°16	2°42	22°55	22°28	9° 0	28°17	T 3
F 4	4 52 34	12° 7'21	26°43	3°42	16° 1	20°51	17°22	23°28	17°57	17°16	2°41	22°53	22°25	9° 7	28°24	F 4
S 5	4 56 30	13° 8'11	10 m 33	5°16	17°15	21° 3	17°32	23°34	17°56	17°17	2°40	22°D52	22°22	9°14	28°32	S 5
S 6	5 0 27	14° 9'03	24°35	6°50	18°28	21°15	17°41	23°39	17°55	17°17	2°39	22°R52	22°19	9°20	28°40	S 6
M 7	5 4 23	15° 9'57	8 ≏ 46	8°23	19°42	21°28	17°51	23°45	17°54	17°18	2°38	22°51	22°16	9°27	28°48	M 7
T 8	5 8 20	16°10'52	23° 7	9°57	20°55	21°41	18° 1	23°50	17°53	17°18	2°38	22°49	22°12	9°34	28°56	T 8
W 9	5 12 16	17°11'48	7 m 34	11°31	22° 9	21°55	18°10	23°56	17°52	17°18	2°37	22°43	22° 9	9°40	29° 3	W 9
T 10	5 16 13	18°12'45	22° 3	13° 5	23°22	22°10	18°19	24° 1	17°51	17°19	2°36	22°35	22° 6	9°47	29°11	T 10
F 11	5 20 9	19°13'44	6 ₹ 28	14°39	24°35	22°25	18°28	24° 6	17°50	17°19	2°35	22°24	22° 3	9°54	29°19	F 11
S 12	5 24 6	20°14'43	20°42	16°13	25°49	22°41	18°37	24°11	17°49	17°19	2°35	22°11	22° 0	10° 0	29°26	S 12
S 13	5 28 3	21°15'44	4 る 39	17°47	27° 2	22°57	18°46	24°16	17°49	17°20	2°34	21°58	21°57	10° 7	29°34	S 13
M14	5 31 59	22°16'45	18°15	19°21	28°15	23°14	18°55	24°21	17°48	17°20	2°33	21°47	21°53	10°14	29°42	M14
T 15	5 35 56	23°17'47	1≈28	20°56	29°28	23°31	19° 4	24°26	17°47	17°20	2°33	21°37	21°50	10°20	29°49	T 15
W16	5 39 52	24°18'49	14°18	22°30	0≈41	23°49	19°13	24°31	17°47	17°20	2°32	21°30	21°47	10°27	29°57	W16
T 17	5 43 49	25°19'52	26°45	24° 4	1°54	24° 7	19°21	24°36	17°46	17°20	2°31	21°25	21°44	10°34	0 , 7 4	T 17
F 18	5 47 45	26°20'55	8) 55	25°39	3° 8	24°26	19°29	24°41	17°46	17°20	2°31	21°23	21°41	10°40	0°12	F 18
S 19	5 51 42	27°21'59	20°53	27°13	4°21	24°45	19°38	24°45	17°45	17°R20	2°30	21°23	21°38	10°47	0°19	S 19
S 20	5 55 39	28°23'03	2 Υ 42	2 <u>8</u> °48	5°33	25° 4	19°46	24°50	17°45	17°20	2°30	21°23	21°34	10°54	0°26	S 20
M21	5 59 35	2 <u>9</u> °24'07	14°30	0 궁 23	6°46	25°24	19°54	24°54	17°45	17°20	2°29	21°22	21°31	11° 0	0°34	M21
T 22	6 3 32	0 ප් 25'12	26°21	1°58	7°59	25°45	20° 1	24°59	17°44	17°20	2°28	21°20	21°28	11° 7	0°41	T 22
W23	6 7 28	1°26'17	8821	3°33	9°12	26° 6	20° 9	25° 3	17°44	17°20	2°28	21°14	21°25	11°14	0°48	W23
T 24	6 11 25	2°27'22	20°34	5° 9	10°25	26°27	20°17	25° 7	17°44	17°20	2°27	21° 6	21°22	11°20	0°56	T 24
F 25	6 15 21	3°28'28	3 II 2	6°44	11°37	26°49	20°24	25°11	17°44	17°20	2°27	20°56	21°18	11°27	1° 3	F 25
S 26	6 19 18	4°29'34	15°48	8°20	12°50	27°11	20°31	25°15	17°44	17°19	2°26	20°44	21°15	11°33	1°10	S 26
S 27	6 23 14	5°30'40	28°52	9°56	14° 3	27°34	20°39	25°19	17°D44	17°19	2°26	20°30	21°12	11°40	1°17	S 27
M28	6 27 11	6°31'47	129512	11°33	15°15	27°57	20°46	25°23	17°44	17°19	2°26	20°18	21° 9	11°47	1°24	M28
T 29	6 31 8	7°32'53	25°47	13° 9	16°27	28°20	20°53	25°27	17°44	17°19	2°25	20° 7	21° 6	11°53	1°31	T 29
W30	6 35 4	8°34'01	9€33	14°46	17°40	28°43	20°59	25°31	17°44	17°18	2°25	19°58	21° 3	12° 0	1°38	W30
T 31	6 39 1	9 ප 35'08	23 N 26	16 ට 23	18 ≈ 52	29 ℃ 7	21 º 6	25 ≙ 34	17 Ƴ 44	17 m)18	2 8 25	19 米 53	20 米 59	12 ° 7	1 ∡ 745	T 31

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S 6 M 7 T 8 W 9 T 10 F 11 S 12	22 29 22 36 22 43 22 49 22 54 23 0 23 4	4s45 1 23 11 20 2 33 17 23 3 33 22 26 4 19 26 7 4 49	21 51 0 22 12 0 22 32 0 22 51 0 23 9 0	s 3 24 2 1 54 10 23 53 1 55 16 23 43 1 56 23 23 32 1 57 30 23 20 1 57 36 23 8 1 58 42 22 55 1 59	8 30 0 14 8 37 0 16 8 44 0 18 8 51 0 20 8 58 0 22 9 6 0 24 9 13 0 26	5 50 1 12 5 54 1 12 5 57 1 12 6 1 1 12 6 4 1 12 6 7 1 12 6 11 1 13	7 1 2 20 7 3 2 20 7 5 2 20 7 6 2 20 7 8 2 20 7 10 2 21 7 12 2 21	6 26 0 39 6 25 0 39 6 25 0 39 6 25 0 39 6 24 0 39 6 24 0 39 6 24 0 39	5 53 0 57 5 53 0 57 5 53 0 57 5 53 0 57 5 53 0 57	3 40 17 3 3 40 17 3 3 40 17 3 3 40 17 2 3 40 17 2 3 40 17 2 3 40 17 2	2 50 3 2 50 3 2 51 3 2 53 3 2 57 3 3 1 3 3 6 3	4 5 5 5 7 5 8 5 9 5	9 17 6 2 51 12 17 7 2 51 15 17 9 2 52 19 17 10 2 52
S 13 M14 T 15 W16 T 17 F 18 S 19	23 8	28 13 4 53 26 38 4 29 23 35 3 51 19 27 3 3 14 34 2 6 9 14 1 6	23 40 0 23 55 0 24 7 1 24 19 1 24 29 1 24 38 1	49 22 41 1 59 55 22 27 2 0 0 22 12 2 0 6 21 57 2 0 12 21 41 2 0 17 21 24 2 0	9 21 0 28 9 29 0 30 9 37 0 32 9 46 0 34 9 54 0 36 10 2 0 37 10 11 0 39	6 14 1 13 6 17 1 13 6 20 1 13 6 23 1 13 6 26 1 13 6 29 1 14 6 32 1 14	7 13 2 21 7 15 2 21 7 16 2 21 7 18 2 22 7 20 2 22 7 21 2 22 7 23 2 22	6 24 0 38 6 23 0 38 6 22 0 38	5 53 0 57 5 53 0 57	3 40 17 1 3 40 17 1 3 40 17 1 3 40 17 0 3 40 17 0 3 40 17 0 3 40 17 0	3 11 3 3 16 3 3 20 3 3 22 3 3 24 3 3 25 3	5 12 5 5 13 5 6 14 5 6 15 5 6 17 5 6 18 5	29 17 14 2 53 32 17 15 2 54 36 17 17 2 54 43 17 19 2 54 46 17 20 2 55 49 17 21 2 55
S 20 M21 T 22 W23 T 24 F 25 S 26	23 25 23 26 23 26 23 25 23 24 23 23 23 21	7 33 1 59 12 52 2 54 17 46 3 42 22 3 4 20 25 26 4 47	24 58 1 25 1 1 25 4 1 25 4 1 25 4 1	32 20 30 2 0 36 20 11 2 0 41 19 52 1 59 45 19 32 1 59 49 19 11 1 58	10 20 0 41 10 29 0 42 10 38 0 44 10 47 0 45 10 56 0 47 11 5 0 48 11 14 0 50	6 35 1 14 6 38 1 14 6 41 1 14 6 43 1 15 6 46 1 15 6 48 1 15 6 51 1 15	7 24 2 23 7 25 2 23 7 27 2 23 7 28 2 23 7 29 2 23 7 31 2 24 7 32 2 24	6 22 0 38 6 22 0 38	5 53 0 58 5 53 0 58	3 39 16 59 3 39 16 59 3 39 16 58 3 39 16 58 3 39 16 58 3 39 16 58 3 39 16 57	3 25 3 3 26 3 3 28 3 3 31 3 3 36 3	22 5 23 5 24 6 25 6 27 6	
S 27 M28 T 29 W30 T 31	23 13	27 30 4 40 25 0 4 5 21 0 3 16	24 54 1 24 47 2 24 39 2	58 18 6 1 56 1 17 43 1 55 3 17 20 1 54	11 24 0 51 11 33 0 52 11 43 0 53 11 52 0 55 12n 2 0n56	6 54 1 16 6 56 1 16 6 58 1 16 7 1 1 16 7s 3 1n16	7 33 2 24 7 34 2 24 7 36 2 25 7 37 2 25 7 s38 2n25	6 22 0 38 6 22 0 38 6 22 0 38 6 22 0 38 6n22 0s38	5 54 0 58 5 54 0 58 5 54 0 58	3 38 16 57 3 38 16 57 3 38 16 56 3 38 16 56 3 s38 16 s56	3 51 3 3 55 3 3 58 3	30 6 32 6 33 6	6 16 17 30 2 58 6 20 17 31 2 58 6 23 17 32 2 59 6 26 17 33 2 59 6 17 33 3 0

Julian Day Number = 2488038.5, Delta T = 93.14 sec Ecliptic obliquity = 23°25'43, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}08'11$, Lahiri = $25^{\circ}15'11$