

Astrodienst Ephemeris Tables for the year 2102

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 2102 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	ď	4	ħ)∤(并	Р	S.	S	Ç	ķ	Day
S 1	6 41 3	10ට 6'59	2П13	23°R 2	16°R45	12°R58	11 ~ 49	17 M 53	25°R45	21°R43	4°R21	10°R54	12≈17	39544	24 × 752	S 1
M 2	6 45 0	11° 8'07	14° 7	22る22	16 ∡ ³35	12 Ⅱ 46	12° 1	17°58	25 Ƴ 45	21 Mp 42	4821	10≈48	12°14	3°51	24°58	M 2
T 3	6 48 56	12° 9'15	25°59	21°30	16°28	12°35	12°14	18° 3	25°45	21°42	4°20	10°43	12°11	3°58	25° 5	T 3
W 4	6 52 53	13°10'23	79548	20°28	16°22	12°24	12°26	18° 8	25°D45	21°42	4°20	10°38	12° 8	4° 5	25°12	W 4
T 5	6 56 50	14°11'31	19°38	19°18	16°20	12°15	12°38	18°13	25°45	21°41	4°20	10°35	12° 4	4°11	25°18	T 5
F 6	7 0 46	15°12'39	1 0 31	18° 2	16°D20	12° 6	12°51	18°18	25°45	21°41	4°20	10°33	12° 1	4°18	25°25	F 6
S 7	7 4 43	16°13'47	13°27	16°42	16°22	11°58	13° 3	18°23	25°45	21°40	4°19	10°D33	11°58	4°25	25°32	S 7
S 8	7 8 3 9	17°14'55	25°31	15°21	16°27	11°51	13°15	18°28	25°45	21°40	4°19	10°34	11°55	4°31	25°38	S 8
M 9	7 12 36	18°16'03	7 Mp 44	14° 1	16°34	11°44	13°28	18°33	25°45	21°39	4°19	10°35	11°52	4°38	25°45	M 9
T 10	7 16 32	19°17'11	20°10	12°46	16°43	11°39	13°40	18°38	25°46	21°39	4°19	10°37	11°48	4°45	25°52	T 10
W11	7 20 29	20°18'19	2 ≏ 52	11°36	16°55	11°34	13°52	18°42	25°46	21°38	4°18	10°38	11°45	4°51	25°58	W11
T 12	7 24 25	21°19'27	15°53	10°34	17° 9	11°30	14° 4	18°47	25°46	21°38	4°18	10°R39	11°42	4°58	26° 5	T 12
F 13	7 28 22	22°20'35	29°18	9°41	17°25	11°27	14°16	18°51	25°47	21°37	4°18	10°39	11°39	5° 5	26°11	F 13
S 14	7 32 18	23°21'44	13 M 7	8°57	17°43	11°24	14°28	18°56	25°47	21°36	4°18	10°38	11°36	5°11	26°17	S 14
S 15	7 36 15	24°22'52	27°21	8°23	18° 3	11°23	14°39	19° 0	25°48	21°36	4°18	10°37	11°33	5°18	26°24	S 15
M16	7 40 12	25°24'01	11 × 759	7°59	18°25	11°D22	14°51	19° 4	25°49	21°35	4°18	10°35	11°29	5°25	26°30	M16
T 17	7 44 8	26°25'09	26°55	7°45	18°48	11°22	15° 3	19°8	25°49	21°34	4°18	10°33	11°26	5°31	26°37	T 17
W18	7 48 5	27°26'17	12る 2	7°D39	19°14	11°23	15°15	19°12	25°50	21°33	4°D18	10°31	11°23	5°38	26°43	W18
T 19	7 52 1	28°27'24	27°12	7°42	19°41	11°25	15°26	19°16	25°51	21°32	4°18	10°30	11°20	5°45	26°49	T 19
F 20	7 55 58	29°28'31	12≈13	7°53	20°10	11°27	15°37	19°20	25°51	21°32	4°18	10°D30	11°17	5°51	26°55	F 20
S 21	7 59 54	0≈29'38	26°59	8°11	20°41	11°30	15°49	19°24	25°52	21°31	4°18	10°30	11°14	5°58	27° 1	S 21
S 22	8 3 51	1°30'43	11 ∺ 21	8°36	21°13	11°34	16° 0	19°28	25°53	21°30	4°18	10°31	11°10	6° 5	27° 7	S 22
M23	8 7 48	2°31'48	25°18	9° 7	21°46	11°38	16°11	19°31	25°54	21°29	4°18	10°32	11° 7	6°11	27°14	M23
T 24	8 11 44	3°32'52	8 Ƴ 48	9°44	22°21	11°43	16°23	19°35	25°55	21°28	4°18	10°33	11° 4	6°18	27°20	T 24
W25	8 15 41	4°33'54	21°51	10°25	22°57	11°49	16°34	19°38	25°56	21°27	4°18	10°33	11° 1	6°25	27°26	W25
T 26	8 19 37	5°34'56	4832	11°11	23°35	11°56	16°45	19°42	25°57	21°26	4°19	10°R33	10°58	6°31	27°31	T 26
F 27	8 23 34	6°35'57	16°54	12° 1	24°13	12° 3	16°55	19°45	25°58	21°25	4°19	10°33	10°54	6°38	27°37	F 27
S 28	8 27 30	7°36'57	29° 1	12°54	24°53	12°11	17° 6	19°48	26° 0	21°24	4°19	10°33	10°51	6°45	27°43	S 28
S 29	8 31 27	8°37'56	10 Ⅱ 57	13°51	25°35	12°20	17°17	19°51	26° 1	21°23	4°19	10°33	10°48	6°51	27°49	S 29
M30	8 35 23	9°38'53	22°48	1 <u>4</u> °51	26°17	12°29	17°27	19°54	26° 2	21°21	4°19	10°32	10°45	6°58	27°55	M30
T 31	8 39 20	10≈39'50	4937	15 る 54	27 ₹ 0	12 II 39	17 ∡ 738	19 M 57	26 Y 4	21 m 20	4 8 20	10°D32	10≈42	7 9 5	28 ∡ 0	T 31

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S 1 M 2		26 48 4 21		0n54 18 s28 1 14 18 19	4n19 25n15 4 27 25 14	2 57	21 s34 21 35		15 2	2n13 2 13	9n25 9 25	0 34	4n16 1n 4 4 16 1 4	2 s 5 4 1 6 s 4 9 2 5 4 1 6 4 8	17 31	17 7	26 34	18 14 5
T 3 W 4 T 5	-	26 2 2 50 23 51 1 52	20 1	1 33 18 12 1 52 18 4 2 10 17 58	4 34 25 13 4 41 25 12 4 47 25 11	2 57 2 58	21 37 21 39 21 40	0 38 0 38 0 38	15 5 15 6	2 14 2 14 2 14	9 25 9 25 9 25	0 34 0 34 0 34	4 17 1 4 4 17 1 4 4 17 1 4	2 54 16 48 2 54 16 48 2 53 16 47	17 34 17 34	17 9 17 10		18 14 5 1 18 14 5
F 6 S 7	-		19 47	2 27 17 53 2 42 17 48	4 52 25 10 4 57 25 9		21 42 21 43	0 38 0 38		2 14 2 14	9 25 9 25		4 17 1 5 4 17 1 5	2 53 16 47 2 53 16 47				
S 8 M 9 T 10	22 19 22 11 22 2	6 26 2 24	19 40 19 38 19 38	2 54 17 44 3 4 17 41 3 12 17 39	5 1 25 8 5 5 25 8 5 9 25 7	2 58	21 45 21 46 21 48	0 38	15 10 15 11 15 12	2 14 2 14 2 15	9 26 9 26 9 26	0 34	4 18 1 5 4 18 1 5 4 18 1 5	2 53 16 46 2 52 16 46 2 52 16 46	17 34	17 13	26 28	18 14 5
T 12 F 13	21 35	10 40 4 47 16 3 5 10	19 39 19 41 19 45 19 49	3 17 17 37 3 20 17 36 3 20 17 35 3 19 17 35	5 12 25 6 5 14 25 5 5 16 25 5 5 18 25 4	2 58 2 58	21 49 21 51 21 52 21 54	0 38 0 38		2 15 2 15 2 15 2 15	9 26 9 26 9 26 9 27	0 33	4 18 1 5 4 19 1 5 4 19 1 5 4 19 1 5	2 52 16 45	17 34 17 33 17 33 17 34	17 16 17 17	26 25 26 24	18 13 5 1 18 13 5
M16 T 17 W18 T 19 F 20	21 3 20 52 20 40 20 28 20 15	26 41 4 30 27 2 3 39 25 24 2 31 21 54 1 13 16 58 0n10	20 8 20 16 20 23 20 32	3 16 17 36 3 11 17 37 3 4 17 38 2 57 17 40 2 49 17 42 2 40 17 45 2 31 17 47	5 19 25 4 5 20 25 4 5 20 25 3 5 21 25 3 5 20 25 3 5 20 25 3 5 19 25 3	2 57 2 57	22 1	0 38 0 38 0 38 0 38 0 38	15 19	2 16 2 16 2 16 2 16 2 16 2 16 2 17	9 27 9 27 9 27 9 28 9 28 9 28 9 29	0 33 0 33	4 20 1 5 4 20 1 5 4 20 1 5 4 21 1 5 4 21 1 5 4 21 1 5 4 22 1 5	2 50 16 43 2 49 16 42	17 35 17 35 17 36 17 36 17 36	17 20 17 20 17 21 17 22 17 23	26 21 26 20 26 19 26 18 26 17	18 13 5 10 18 12 5 1 18 12 5 1 18 12 5 1 18 12 5 1
S 22 M23 T 24 W25 T 26 F 27 S 28	18 37	1n34 3 44 7 37 4 30 13 10 5 1 17 59 5 16 21 55 5 16	20 56 21 4	2 21 17 51 2 11 17 54 2 1 17 57 1 51 18 1 1 40 18 5 1 30 18 9 1 20 18 13	5 18 25 3 5 17 25 3 5 15 25 3 5 14 25 4 5 12 25 4 5 9 25 5 5 7 25 5	2 55 2 55 2 54 2 54 2 54 2 53 2 53	22 4 22 5 22 6 22 7 22 8	0 38 0 38 0 38 0 38 0 38 0 38	15 24 15 24	2 17 2 17 2 17 2 17 2 18 2 18 2 18	9 29 9 29 9 30 9 30 9 31 9 31 9 31	0 33 0 33 0 33	4 22 1 5 4 23 1 5 4 23 1 5 4 23 1 5 4 24 1 5 4 24 1 5 4 25 1 5	2 48 16 41 2 48 16 41 2 47 16 41 2 47 16 40 2 47 16 40 2 46 16 40		17 25 17 26 17 27 17 27 17 28 17 29	26 15 26 14 26 13 26 12 26 11 26 10	18 11 5 13 18 11 5 13 18 11 5 13 18 10 5 14 18 10 5 14
S 29 M30 T 31	17 50	27 9 3 55	21 33 21 37 21 s40	1 10 18 17 1 0 18 21 0n50 18 s25	5 4 25 6 5 1 25 6 4n58 25n 7	2 51	22 11 22 12 22 s13	0 38	15 28 15 29 15 s30	2 18 2 18 2n19	9 32 9 32 9n33	0 33	4 25 1 5 4 26 1 5 4n26 1n 6	2 45 16 39 2 45 16 39 2 s45 16 s38	17 35	17 32	26 6	18 9 5 1: 18 9 5 10 18s 8 5n1

Julian Day Number = 2488799.5, Delta T = 94.11 sec Ecliptic obliquity = 23°25'39, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°09'55, Lahiri = 25°16'56

FEBRUARY 2102 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(卉	Р	រា	Ω	Ç	ķ	Day
W 1	8 43 17	11≈40'45	16926	16 ට 59	27 ∡ 744	12 Ⅱ 49	17 ∡ 748	20 M 0	26 Υ 5	21°R19	4820	10≈32	10≈39	79911	28 ∡ 6	W 1
T 2	8 47 13	12°41'40	28°20	18° 7	28°30	13° 0	17°59	20° 3	26° 6	21 Mp 18	4°20	10°33	10°35	7°18	28°12	T 2
F 3	8 51 10	13°42'33	10 Ω 19	19°16	29°16	13°12	18° 9	20° 5	26° 8	21°17	4°21	10°R33	10°32	7°25	28°17	F 3
S 4	8 55 6	14°43'25	22°27	20°28	0중 3	13°24	18°19	20° 8	26° 9	21°15	4°21	10°33	10°29	7°31	28°22	S 4
S 5	8 59 3	15°44'16	4 m 44	21°41	0°51	13°36	18°29	20°10	26°11	21°14	4°21	10°32	10°26	7°38	28°28	S 5
M 6	9 2 5 9	16°45'06	17°13	22°56	1°40	13°50	18°39	20°13	26°13	21°13	4°22	10°32	10°23	7°45	28°33	M 6
T 7	9 6 56	17°45'55	29°53	24°13	2°30	14° 3	18°49	20°15	26°14	21°12	4°22	10°31	10°20	7°51	28°38	T 7
W 8	9 10 52	18°46'43	12 ≏ 48	25°31	3°21	14°18	18°59	20°17	26°16	21°10	4°23	10°30	10°16	7°58	28°44	W 8
T 9	9 14 49	19°47'31	25°58	26°50	4°12	14°32	19° 8	20°19	26°18	21° 9	4°23	10°29	10°13	8° 5	28°49	T 9
F 10	9 18 46	20°48'17	9 m 24	28°11	5° 4	14°48	19°18	20°21	26°20	21° 8	4°24	10°28	10°10	8°11	28°54	F 10
S 11	9 22 42	21°49'02	23° 7	29°32	5°57	15° 3	19°27	20°23	26°21	21° 6	4°24	10°D28	10° 7	8°18	28°59	S 11
S 12	9 26 39	22°49'47	7 ∡ 7 8	0≈55	6°50	15°19	19°36	20°25	26°23	21° 5	4°25	10°28	10° 4	8°25	29° 4	S 12
M13	9 30 35	23°50'30	21°26	2°19	7°44	15°36	19°45	20°26	26°25	21° 3	4°25	10°29	10° 0	8°31	29° 9	M13
T 14	9 34 32	24°51'13	5 云 58	3°45	8°39	15°53	19°54	20°28	26°27	21° 2	4°26	10°30	9°57	8°38	29°14	T 14
W15	9 38 28	25°51'54	20°40	5°11	9°34	16°11	20° 3	20°29	26°29	21° 0	4°26	10°31	9°54	8°45	29°18	W15
T 16	9 42 25	26°52'34	5≈28	6°38	10°30	16°29	20°12	20°31	26°31	20°59	4°27	10°R32	9°51	8°51	29°23	T 16
F 17	9 46 21	27°53'13	20°13	8° 6	11°26	16°47	20°21	20°32	26°34	20°57	4°28	10°32	9°48	8°58	29°28	F 17
S 18	9 50 18	28°53'50	4) (49	9°36	12°23	17° 6	20°29	20°33	26°36	20°56	4°28	10°30	9°45	9° 5	29°32	S 18
S 19	9 54 15	29°54'26	19° 9	11° 6	13°20	17°25	20°38	20°34	26°38	20°54	4°29	10°28	9°41	9°11	29°37	S 19
M20	9 58 11	0) ₹55'00	3 Y 8	12°37	14°18	17°44	20°46	20°35	26°40	20°53	4°30	10°25	9°38	9°18	29°41	M20
T 21	10 2 8	1°55'32	16°44	14° 9	15°16	18° 4	20°54	20°36	26°42	20°51	4°30	10°22	9°35	9°25	29°46	T 21
W22	10 6 4	2°56'03	29°54	15°42	16°15	18°25	21° 2	20°37	26°45	20°50	4°31	10°19	9°32	9°31	29°50	W22
T 23	10 10 1	3°56'32	12840	17°16	17°14	18°45	21°10	20°37	26°47	20°48	4°32	10°17	9°29	9°38	29°54	T 23
F 24	10 13 57	4°56'59	25° 6	18°51	18°14	19° 6	21°18	20°38	26°49	20°47	4°33	10°15	9°25	9°45	29°58	F 24
S 25	10 17 54	5°57'24	7 Ⅱ 16	20°27	19°14	19°28	21°26	20°38	26°52	20°45	4°33	10°D15	9°22	9°51	0중 2	S 25
S 26	10 21 50	6°57'48	19°13	22° 4	20°14	19°49	21°33	20°38	26°54	20°43	4°34	10°15	9°19	9°58	0° 6	S 26
M27	10 25 47	7°58'09	195 3	23°41	21°15	20°11	21°40	20°39	26°57	20°42	4°35	10°17	9°16	10° 5	0°10	M27
T 28	10 29 44	8) 58'29	12952	25≈20	22 궁 16	20∏34	21 ~ 48	20°R39	26 Y 59	20 m /40	4 8 36	10≈19	9≈13	109511	0 궁 14	T 28

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W 1	17 s16	24n34	2n10	21 s41	0n40	18 s 29	4n55	25n 8	2n50	22 s14	0n38	15 s30	2n19	9n33	0s33	4n27	1n 6	2 s44	16 s 38	17 s35	17s34	26n 4	18s 8	5n17
T 2	16 59	21 35	1 7	21 42	0 30	18 33	4 52	25 8	2 49	22 15	0 38	15 31	2 19	9 34	0 33	4 27	1 6	2 44	16 37	17 35	17 34	26 3	18 8	5 17
F 3	16 42	17 40	0 1	21 42	0 21	18 37	4 48	25 9	2 48	22 16	0 38	15 31	2 19	9 35	0 33	4 28	1 6	2 43	16 37	17 35	17 35	26 2	18 7	5 18
S 4	16 25	12 59	1s 6	21 41	0 12	18 41	4 45	25 10	2 48	22 17	0 38	15 32	2 19	9 35	0 33	4 28	1 6	2 43	16 37	17 35	17 36	26 1	18 7	5 18
S 5	16 7	7 45	2 10	21 38	0 3	18 45	4 41	25 11	2 47	22 18	0 38	15 32	2 20	9 36	0 33	4 29	1 6	2 42	16 36	17 35	17 37	26 0	18 6	5 19
M 6	15 48	2 8	3 10	21 35	0s 6	18 48	4 37	25 12	2 46	22 19	0 38	15 33	2 20	9 36	0 33	4 29	1 6	2 42	16 36	17 35	17 38	25 59	18 6	5 19
T 7	15 30	3 s39	4 1	21 30	0 15	18 51	4 33	25 13	2 46	22 20	0 38	15 33	2 20	9 37	0 33	4 30	1 6	2 41	16 36	17 36	17 39	25 57	18 6	5 20
W 8	15 11	9 22	4 41	21 24	0 23	18 54	4 29	25 14	2 45	22 20	0 38	15 33	2 20	9 38	0 33	4 30	1 6	2 41	16 35	17 36	17 40	25 56	18 5	5 20
T 9	14 52	14 47	5 7	21 17	0 31	18 57	4 25	25 15	2 44	22 21	0 38	15 34	2 20	9 38	0 33	4 31	1 6	2 41	16 35	17 36	17 40	25 55	18 5	5 21
F 10	14 33	19 37	5 17	21 9	0 38	19 0	4 20	25 16	2 43	22 22	0 38	15 34	2 21	9 39	0 32	4 31	1 6	2 40	16 35	17 36	17 41	25 54	18 4	5 21
S 11	14 14	23 32	5 9	20 59	0 46	19 2	4 16	25 17	2 43	22 23	0 38	15 34	2 21	9 40	0 32	4 32	1 6	2 40	16 34	17 36	17 42	25 53	18 4	5 22
S 12	13 54	26 9	4 43	20 48	0 53	19 4	4 11	25 18	2 42	22 23	0 38	15 34	2 21	9 40	0 32	4 33	1 6	2 39	16 34	17 36	17 43	25 52	18 3	5 22
M13	13 34	27 8	4 0	20 36	1 0	19 6	4 7	25 19	2 41	22 24	0 38	15 35	2 21	9 41	0 32	4 33	1 6	2 39	16 34	17 36	17 44	25 50	18 3	5 23
T 14	13 14	26 17	3 0	20 23	1 7	19 7	4 2	25 20	2 40	22 25	0 38	15 35	2 22	9 42	0 32	4 34	1 6	2 38	16 33	17 36	17 45	25 49	18 2	5 23
W15	12 53	23 37	1 48	20 9	1 13	19 8	3 57	25 22	2 40	22 25	0 38	15 35	2 22	9 43	0 32	4 34	1 6	2 38	16 33	17 36	17 46	25 48	18 2	5 24
T 16	12 33	19 21	0 28	19 53	1 19	19 9	3 52	25 23	2 39	22 26	0 38	15 35	2 22	9 43	0 32	4 35	1 6	2 37	16 33	17 35	17 46	25 47	18 1	5 24
F 17	12 12	13 54	0n53	19 36	1 25	19 9	3 48	25 24	2 38	22 27	0 38	15 35	2 22	9 44	0 32	4 36	1 6	2 37	16 32	17 35	17 47	25 46	18 1	5 25
S 18	11 51	7 43	2 10	19 17	1 30	19 9	3 43	25 25	2 38	22 27	0 38	15 35	2 22	9 45	0 32	4 36	1 6	2 36	16 32	17 36	17 48	25 44	18 0	5 25
S 19	11 30	1 16	3 18	18 58	1 35	19 9	3 38	25 26	2 37	22 28	0 38	15 35	2 23	9 46	0 32	4 37	1 6	2 36	16 32	17 36	17 49	25 43	18 0	5 26
M20	11 9	5n 5	4 11	18 37	1 40	19 8	3 32	25 27	2 36	22 28	0 38	15 35	2 23	9 47	0 32	4 38	1 6	2 35	16 31	17 37	17 50	25 42	17 59	5 26
T 21	10 47	11 1	4 49	18 14	1 44	19 7	3 27	25 28	2 35	22 29	0 38	15 36	2 23	9 48	0 32	4 38	1 6	2 34	16 31	17 38	17 51	25 41	17 59	5 27
W22	10 25	16 15	5 10	17 51	1 49	19 6	3 22	25 29	2 35	22 29	0 38	15 35	2 23	9 48	0 32	4 39	1 6	2 34	16 31	17 39	17 51	25 39	17 58	5 28
T 23	10 3	20 37	5 15	17 26	1 52	19 4	3 17	25 30	2 34	22 30	0 38	15 35	2 23	9 49	0 32	4 39	1 6	2 33	16 30	17 39	17 52	25 38	17 58	5 28
F 24	9 41	23 57	5 4	17 0	1 56	19 1	3 12	25 31	2 33	22 30	0 38	15 35	2 24	9 50	0 32	4 40	1 6	2 33	16 30	17 40	17 53	25 37	17 57	5 29
S 25	9 19	26 7	4 41	16 33	1 59	18 58	3 6	25 32	2 32	22 31	0 38	15 35	2 24	9 51	0 32	4 41	1 6	2 32	16 30	17 40	17 54	25 36	17 56	5 29
S 26	8 57	27 4	4 5	16 4	2 1	18 55	3 1	25 33	2 32	22 31	0 38	15 35	2 24	9 52	0 32	4 41	1 6	2 32	16 29	17 40	17 55	25 34	17 56	5 30
M27	8 35	26 45	3 19	15 34	2 4	18 51	2 56	25 34	2 31	22 32	0 38	15 35	2 24	9 53	0 32	4 42	1 6	2 31	16 29	17 39	17 56	25 33	17 55	5 30
T 28	8 s12	25n13	2n25	15 s 3	2s 6	18 s47	2n51	25n35	2n30	22 s32	0n38	15 s35	2n25	9n54	0s32	4n43	1n 6	2 s31	16 s 29	17 s39	17s57	25n32	17s55	5n31

Julian Day Number = 2488830.5, Delta T = 94.15 sec Ecliptic obliquity = $23^{\circ}25'39$, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}10'00$, Lahiri = $25^{\circ}17'00$

MARCH 2102 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	v	Ω	ţ	ę,	Day
W 1	10 33 40	9) 58'46	249642	27≈ 0	23 궁 17	20耳56	21 √ 55	20°R39	27 ° 2	20°R39	4 8 37	10≈20	9≈10	109518	0 궁 18	W 1
T 2	10 37 37	10°59'02	6 Ω 40	28°41	24°19	21°19	22° 2	20 M 39	27° 4	20 m 37	4°38	10°R21	9° 6	10°25	0°21	T 2
F 3	10 41 33	11°59'15	18°47	0) €22	25°21	21°43	22° 8	20°38	27° 7	20°35	4°38	10°21	9° 3	10°31	0°25	F 3
S 4	10 45 30	12°59'27	1 m y 7	2° 5	26°24	22° 6	22°15	20°38	27°10	20°34	4°39	10°19	9° 0	10°38	0°28	S 4
S 5	10 49 26	13°59'37	13°41	3°49	27°26	22°30	22°22	20°38	27°12	20°32	4°40	10°16	8°57	10°45	0°32	S 5
M 6	10 53 23	14°59'45	26°30	5°34	28°29	22°54	22°28	20°37	27°15	20°30	4°41	10°11	8°54	10°51	0°35	M 6
T 7	10 57 19	15°59'51	9 ₾ 33	7°20	29°33	23°18	22°34	20°36	27°18	20°29	4°42	10° 5	8°51	10°58	0°38	T 7
W 8	11 116	16°59'56	22°50	9° 7	0≈36	23°43	22°40	20°36	27°21	20°27	4°43	9°58	8°47	11° 5	0°41	W 8
T 9	11 5 13	17°59'59	6 M .19	10°55	1°40	24° 8	22°46	20°35	27°24	20°25	4°44	9°52	8°44	11°11	0°44	T 9
F 10	11 9 9	19° 0'01	20° 0	12°44	2°44	24°33	22°52	20°34	27°26	20°24	4°45	9°48	8°41	11°18	0°47	F 10
S 11	11 13 6	20° 0'00	3 ∡ 751	14°35	3°48	24°58	22°57	20°33	27°29	20°22	4°46	9°45	8°38	11°25	0°50	S 11
S 12	11 17 2	20°59'59	17°50	16°26	4°53	25°24	23° 3	20°32	27°32	20°20	4°47	9°D44	8°35	11°31	0°53	S 12
M13	11 20 59	21°59'55	1 궁 56	18°19	5°58	25°50	23° 8	20°31	27°35	20°19	4°48	9°44	8°31	11°38	0°56	M13
T 14	11 24 55	22°59'51	16° 9	20°12	7° 3	26°16	23°13	20°29	27°38	20°17	4°49	9°45	8°28	11°45	0°58	T 14
W15	11 28 52	23°59'44	0≈27	22° 7	8° 8	26°42	23°18	20°28	27°41	20°15	4°50	9°46	8°25	11°51	1° 1	W15
T 16	11 32 48	24°59'36	14°47	24° 3	9°14	27° 8	23°23	20°26	27°44	20°14	4°51	9°R46	8°22	11°58	1° 3	T 16
F 17	11 36 45	25°59'26	29° 5	25°59	10°19	27°35	23°27	20°25	27°47	20°12	4°52	9°45	8°19	12° 5	1° 6	F 17
S 18	11 40 42	26°59'14	13 米 18	27°57	11°25	28° 2	23°32	20°23	27°50	20°10	4°54	9°41	8°16	12°11	1° 8	S 18
S 19	11 44 38	27°59'00	27°20	29°55	12°31	28°29	23°36	20°21	27°53	20° 9	4°55	9°35	8°12	12°18	1°10	S 19
M20	11 48 35	28°58'44	11 ° 7	1 Y 55	13°37	28°56	23°40	20°19	27°56	20° 7	4°56	9°27	8° 9	12°25	1°12	M20
T 21	11 52 31	29°58'26	24°35	3°54	14°44	29°24	23°44	20°17	27°59	20° 5	4°57	9°18	8° 6	12°31	1°14	T 21
W22	11 56 28	0 Ƴ 58'07	7 8 43	5°55	15°50	29°51	23°48	20°15	28° 2	20° 4	4°58	9° 9	8° 3	12°38	1°16	W22
T 23	12 0 24	1°57'44	20°30	7°55	16°57	09519	23°51	20°13	28° 6	20° 2	4°59	9° 1	8° 0	12°45	1°18	T 23
F 24	12 4 21	2°57'20	2 Ⅱ 57	9°56	18° 4	0°47	23°55	20°11	28° 9	20° 1	5° 1	8°55	7°57	12°51	1°20	F 24
S 25	12 8 17	3°56'54	15° 8	11°56	19°11	1°16	23°58	20° 8	28°12	19°59	5° 2	8°51	7°53	12°58	1°21	S 25
S 26	12 12 14	4°56'25	27° 7	13°56	20°18	1°44	24° 1	20° 6	28°15	19°57	5° 3	8°49	7°50	13° 4	1°23	S 26
M27	12 16 10	5°55'54	8957	15°55	21°26	2°13	24° 4	20° 3	28°18	19°56	5° 4	8°D48	7°47	13°11	1°24	M27
T 28	12 20 7	6°55'21	20°46	17°53	22°33	2°41	24° 6	20° 1	28°22	19°54	5° 5	8°49	7°44	13°18	1°26	T 28
W29	12 24 4	7°54'45	2 Ω 38	19°50	23°41	3°10	24° 9	19°58	28°25	19°53	5° 7	8°R50	7°41	13°24	1°27	W29
T 30	12 28 0	8°54'07	14°38	21°44	24°48	3°39	24°11	19°55	28°28	19°51	5° 8	8°50	7°37	13°31	<u>1°28</u>	T 30
F 31	12 31 57	9 Ƴ 53'27	26 Ω 50	23 Y 37	25≈56	495 8	24 × 13	19ML52	28 Y 32	19 M y49	5 8 9	8 ≈ 48	7 ≈ 34	13938	1 る 29	F 31

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	decl	decl lat	decl lat	decl lat dec	lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	cl decl	decl lat
W 1 T 2	7 s49 7 27	18 56 0 20	13 56 2 8	18 s42 2n45 25n3 18 37 2 40 25 3	7 2 29 2	22 33 0 38	15 s35 2n25 15 34 2 25	9n55 0s32 9 56 0 32	4n43 1n 6 4 44 1 6		17 38 17	58 25 29	17 53 5 32
F 3 S 4	7 4 6 41	14 27 0s46 9 20 1 51		18 32 2 34 25 3 18 25 2 29 25 3			15 34 2 25 15 34 2 25	9 57 0 32 9 58 0 32	4 45 1 6 4 45 1 6		17 38 17 1 17 39 18		17 53 5 33 17 52 5 33
S 5 M 6 T 7	6 18 5 54 5 31	3 46 2 52 2s 3 3 45 7 53 4 28	11 28 2 9	18 19 2 24 25 3 18 12 2 18 25 4 18 4 2 13 25 4	2 26 2	22 35 0 38	15 33 2 26 15 33 2 26 15 33 2 26	10 0 0 32	4 46 1 6 4 47 1 6 4 47 1 6	2 28 16 27 2 27 16 27 2 27 16 27		1 25 25 2 25 24 2 25 23	17 51 5 35
W 8 T 9 F 10	5 8 4 45	13 28 4 57 18 29 5 10 22 38 5 6	10 6 2 6 9 23 2 4	18 4 2 13 23 4 17 56 2 8 25 4 17 48 2 2 25 4 17 39 1 57 25 4	2 24 2 2 23 2	22 35 0 38 22 35 0 38	15 32 2 26 15 32 2 26 15 32 2 27	10 2 0 32 10 3 0 32	4 47 1 6 4 48 1 6 4 49 1 6 4 49 1 6	2 26 16 27 2 26 16 26	17 44 18 17 46 18	3 25 21 4 25 20 5 25 19	17 50 5 36 17 49 5 37
S 11	3 58	25 33 4 44	7 54 1 59	17 29 1 51 <mark>25 4</mark>	2 22 2	22 36 0 38	15 31 2 27	10 5 0 32	4 50 1 6	2 25 16 26	17 48 18	6 25 17	17 48 5 38
S 12 M13 T 14	3 34 3 10 2 47		6 20 1 52	17 19 1 46 25 4 17 9 1 41 25 4 16 58 1 36 25 4	2 20 2	22 37 0 39	15 31 2 27 15 30 2 27 15 30 2 27	10 7 0 32	4 51 1 6 4 51 1 6 4 52 1 6		17 48 18 17 48 18 17 48 18	7 25 16 7 25 15 8 25 13	17 46 5 39
W15 T 16 F 17 S 18	2 23 1 59 1 36 1 12		3 50 1 36 2 59 1 30	16 46 1 30 25 4 16 34 1 25 25 4 16 22 1 20 25 4 16 9 1 15 25 4	2 18 2 2 17 2	22 37 0 39 22 37 0 39	15 28 2 28 15 28 2 28	10 9 0 32 10 10 0 32 10 11 0 32 10 12 0 32	4 53 1 6 4 53 1 6 4 54 1 6 4 55 1 6	2 22 16 25 2 21 16 24	17 48 18 17 48 18 17 48 18 17 49 18	10 25 10 11 25 9	17 45 5 40 17 44 5 41 17 44 5 42 17 43 5 42
S 19 M20 T 21	0 48 0 24 0 1	2n25 3 48 8 32 4 30 14 7 4 57	1 12 1 16 0 18 1 9		2 16 2 2 15 2	22 38 0 39 22 38 0 39	15 26 2 28 15 26 2 29	10 14 0 32 10 15 0 32 10 16 0 31	4 55 1 6 4 56 1 6 4 57 1 6	2 20 16 24 2 20 16 24		12 25 6 13 25 5	17 42 5 43 17 42 5 44 17 41 5 44
W22 T 23	0n23	18 54 5 7	1 33 0 52	15 13 0 55 25 4 14 57 0 50 25 3	2 14 2	22 38 0 39	15 24 2 29	10 17 0 31 10 18 0 31	4 57 1 6 4 58 1 6		17 57 18	15 25 2	17 40 5 45 17 40 5 46
F 24 S 25	1 10 1 34	25 19 4 40 26 42 4 8		14 42 0 45 25 3 14 26 0 40 25 3	2 12 2	22 39 0 39		10 19 0 31 10 20 0 31	4 58 1 6 4 59 1 6	2 17 16 23 2 17 16 23	18 2 18		17 38 5 47
S 26 M27 T 28	2 21	26 48 3 25 25 40 2 33 23 24 1 35	6 15 0 1	14 9 0 35 25 3 13 52 0 30 25 3 13 35 0 26 25 3	2 10 2	22 39 0 39	15 20 2 30	10 22 0 31 10 23 0 31 10 24 0 31	5 0 1 6 5 0 1 6 5 1 1 6	2 16 16 23 2 16 16 22 2 15 16 22	18 3 18	18 24 56 19 24 55 20 24 53	17 37 5 48
W29 T 30 F 31	3 8 3 32 3n55	20 6 0 33 15 57 0 s31	8 6 0 22 9 0 0 34	13 17 0 21 25 3 12 59 0 17 25 3 12 s41 0n12 25n2	2 9 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 39 0 39 22 39 0 39	15 19 2 30 15 18 2 30	10 25 0 31 10 26 0 31 10 27 0 831	5 2 1 6 5 2 1 6 5n 3 1n 6	2 15 16 22 2 15 16 22 2 14 16 22 2 14 16 822	18 3 18 1 18 3 18 1	20 24 52 21 24 50	17 35 5 50 17 35 5 50

Julian Day Number = 2488858.5, Delta T = 94.19 sec Ecliptic obliquity = 23°25'40, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°10'04, Lahiri = 25°17'04

APRIL 2102 00:00 UT

VI 1/2	L LIVE	-													00.0	0.
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	n	ນ	Ç	ķ	Day
S 1	12 35 53	10 Y 52'45	9 m 20	25 Y 27	27≈ 4	4938	24 ৴ 15	19°R50	28 Y 35	19°R48	5 8 10	8°R44	7≈31	139544	1 ප 30	S 1
S 2	12 39 50	11°52'00	22° 8	27°13	28°12	5° 7	24°17	19 M .47	28°38	19 m /46	5°12	8≈37	7°28	13°51	1°31	S 2
M 3	12 43 46	12°51'13	5 ₽ 16	28°56	29°20	5°37	24°18	19°43	28°42	19°45	5°13	8°29	7°25	13°58	1°32	M 3
T 4	12 47 43	13°50'24	18°42	0 8 36	0 ∺ 29	6° 6	24°20	19°40	28°45	19°43	5°14	8°18	7°22	14° 4	1°33	T 4
W 5	12 51 39	14°49'33	2M26	2°11	1°37	6°36	24°21	19°37	28°48	19°42	5°16	8° 7	7°18	14°11	1°33	W 5
T 6	12 55 36	15°48'40	16°22	3°42	2°46	7° 6	24°22	19°34	28°52	19°40	5°17	7°57	7°15	14°18	1°34	T 6
F 7	12 59 33	16°47'46	0 ∡ 127	5° 7	3°54	7°37	24°23	19°30	28°55	19°39	5°18	7°48	7°12	14°24	1°34	F 7
S 8	13 3 29	17°46'50	14°36	6°28	5° 3	8° 7	24°23	19°27	28°58	19°38	5°19	7°41	7° 9	14°31	1°34	S 8
S 9	13 7 26	18°45'51	2 <u>8</u> °47	7°43	6°12	8°37	24°24	19°23	29° 2	19°36	5°21	7°38	7° 6	14°38	1°35	S 9
M10	13 11 22	19°44'52	12 る 56	8°52	7°21	9° 8	24°24	19°20	29° 5	19°35	5°22	7°36	7° 3	14°44	1°35	M10
T 11	13 15 19	20°43'50	27° 3	9°56	8°30	9°38	24°R24	19°16	29° 9	19°33	5°23	7°D36	6°59	14°51	1°R35	T 11
W12	13 19 15	21°42'47	11≈ 6	10°54	9°39	10° 9	24°24	19°13	29°12	19°32	5°25	7°R36	6°56	14°58	1°35	W12
T 13	13 23 12	22°41'42	25° 4	11°45	10°49	10°40	24°24	19° 9	29°15	19°31	5°26	7°35	6°53	15° 4	1°35	T 13
F 14	13 27 8	23°40'35	8) 57	12°31	11°58	11°11	24°23	19° 5	29°19	19°29	5°28	7°32	6°50	15°11	1°34	F 14
S 15	13 31 5	24°39'26	22°43	13°10	13° 7	11°42	24°22	19° 1	29°22	19°28	5°29	7°26	6°47	15°18	1°34	S 15
S 16	13 35 2	25°38'16	6 Υ 20	13°42	14°17	12°13	24°22	18°57	29°26	19°27	5°30	7°17	6°43	15°24	1°34	S 16
M17	13 38 58	26°37'03	19°45	14° 9	15°26	12°45	24°20	18°53	29°29	19°25	5°32	7° 6	6°40	15°31	1°33	M17
T 18	13 42 55	27°35'49	2 8 56	14°28	16°36	13°16	24°19	18°49	29°33	19°24	5°33	6°53	6°37	15°38	1°32	T 18
W19	13 46 51	28°34'33	15°51	14°42	17°46	13°47	24°18	18°45	29°36	19°23	5°34	6°40	6°34	15°44	1°32	W19
T 20	13 50 48	29°33'15	28°30	14°49	18°56	14°19	24°16	18°41	29°39	19°22	5°36	6°28	6°31	15°51	1°31	T 20
F 21	13 54 44	0 8 31'55	10耳53	14°R50	20° 6	14°51	24°14	18°37	29°43	19°21	5°37	6°18	6°28	15°58	1°30	F 21
S 22	13 58 41	1°30'32	23° 1	14°46	21°15	15°23	24°12	18°33	29°46	19°19	5°38	6°11	6°24	16° 4	1°29	S 22
S 23	14 2 37	2°29'08	4958	14°35	22°25	15°55	24°10	18°28	29°50	19°18	5°40	6° 6	6°21	16°11	1°28	S 23
M24	14 6 34	3°27'41	16°48	14°20	23°35	16°27	24° 8	18°24	29°53	19°17	5°41	6° 3	6°18	16°17	1°27	M24
T 25	14 10 31	4°26'12	28°36	13°59	24°46	16°59	24° 5	18°20	29°57	19°16	5°43	6° 3	6°15	16°24	1°26	T 25
W26	14 14 27	5°24'41	10 Ω 28	13°34	25°56	17°31	24° 3	18°16	0 8 0	19°15	5°44	6° 3	6°12	16°31	1°24	W26
T 27	14 18 24	6°23'08	22°28	13° 5	27° 6	18° 3	24° 0	18°11	0° 4	19°14	5°45	6° 2	6° 8	16°37	1°23	T 27
F 28	14 22 20	7°21'33	4 Mp 42	12°32	28°16	18°36	23°57	18° 7	0° 7	19°13	5°47	6° 0	6° 5	16°44	1°21	F 28
S 29	14 26 17	8°19'56	17°15	11°57	29°27	19° 8	23°53	18° 2	0°10	19°12	5°48	5°56	6° 2	16°51	1°20	S 29
S 30	14 30 13	9818'16	0 ჲ 11	11820	0Υ 37	199540	23 × 750	17 M .58	0814	19 m 11	5 8 49	5≈49	5≈59	16957	1 궁 18	S 30

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	decl	decl lat	decl	lat	decl l	at decl	lat	decl	lat	decl	lat	decl	lat	decl lat	de	el lat	decl	decl	decl	decl	lat
S 1	4n18	5n40 2s3	5 10n44	0n58	12 s22	0n 8 25n28	2n 7	22 s39	0n39	15 s 16	2n31	10n29	0s31	5n 3 1n	6 2s	13 16 s 22	18s 4	18 s23	24n47	17 s33	5n52
S 2	4 41	0s 5 3 3	0 11 34	1 10	12 3	0 3 25 26	2 6	22 39	0 39	15 15	2 31	10 30	0 31	5 4 1	6 2	12 16 21	18 6	18 24	24 46	17 33	5 52
M 3	5 4		4 12 22		11 43	0s 1 25 24	2 6		0 39	-		10 31	0 31	5 5 1	-	12 16 21			24 44		5 53
T 4		11 43 4 4			11 23	0 5 25 22	2 5			15 13		10 32		5 5 1	6 2	-	18 11		-		5 54
W 5 T 6		17 1 5 21 30 4 5	1 13 51 9 14 33		11 2 10 42	0 9 25 20 0 14 25 18	2 4	22 39 22 40	0 39	-	2 31	10 33 10 35		5 6 1 5 6 1	6 2		18 14 18 16				5 55 5 55
F 7			0 15 11			0 18 25 15		22 40		15 10		10 35		5 7 1			18 19				5 56
S 8			3 15 47	-		0 22 25 13		22 40	0 39			10 37		5 7 1	6 2		18 20				5 57
S 9	7 21	26 36 3 1	1 16 20	2 24	9 38	0 25 25 10	2 2	22 40	0 39	15 8	2 32	10 38	0 31	5 8 1	6 2	9 16 20	18 21	18 29	24 35	17 28	5 57
M10	7 43	24 54 2	7 16 51	2 32	9 16	0 29 25 7	2 1	22 40	0 39	15 7	2 32	10 39	0 31	5 9 1	6 2	8 16 20	18 22	18 30	24 34	17 27	5 58
T 11		21 39 0 5		2 39		0 33 25 5		22 40	0 39		2 32	-	0 31	5 9 1	6 2		18 22				5 59
W12 T 13		17 8 0n1			8 31	0 37 25 2		22 40	0 39	-		10 42		5 10 1	6 2		18 22				5 59
F 14	8 49 9 11	11 44 1 3 5 46 2 3		2 51 2 55	8 8 7 45	0 40 24 58 0 44 24 55		22 40 22 39	0 39	-	2 32	10 43 10 44		5 10 1 5 11 1	6 2		18 22 18 23				6 0 6 1
S 15	9 33		5 18 37	2 59		0 47 24 53		22 39	0 39	-		10 44		5 11 1	6 2		18 24				
S 16	9 54	6 28 4 1	8 18 49	3 1	6 58	0 50 24 48	1 57	22 39	0 39	15 0	2 32	10 47	0 31	5 12 1	6 2	5 16 20	18 26	18 35	24 24	17 23	6 2
M17	10 16	12 9 4 4	7 18 58	3 1	6 34	0 54 24 45	1 56	22 39	0 39	14 59	2 32	10 48	0 31	5 12 1	6 2	5 16 20	18 29	18 36	24 22	17 23	6 3
T 18	10 37	-,	0 19 3	-		0 57 24 41		22 39	0 39			10 49		5 13 1	6 2		18 33				6 3
W19	10 58	-			5 45	1 0 24 37		22 39	0 39			10 50		5 13 1	6 2		18 36				6 4
T 20 F 21	11 19 11 39	_	9 19 5 8 19 1	2 56 2 52	5 21 4 56	1 3 24 33 1 6 24 29		22 39 22 39	0 39 0 39			10 52 10 53		5 13 1 5 14 1	6 2 6 2		18 39 18 41				6 5
S 22		26 41 3 2		2 46		1 9 24 25		22 39	0 39			10 53		5 14 1	6 2		18 43		-		6 6
S 23	12 20	25 57 2 3	7 18 44	2 38	4 6	1 11 24 20	1 52	22 39	0 39	14 52	2 33	10 55	0 31	5 15 1	6 2	2 16 19	18 44	18 41	24 13	17 19	6 6
M24	12 40			2 30	-	1 14 24 16		22 39	0 39	-		10 56		5 15 1	6 2		18 45		-		6 7
T 25	13 0	21 4 0 3	9 18 15	2 20	3 15	1 17 24 11	1 51	22 39	0 39	14 50	2 33	10 58	0 31	5 16 1	6 2	1 16 19	18 45	18 42	24 10	17 17	6 8
W26		17 14 0s2		2 8		1 19 24 6		22 39	0 39	-		10 59		5 16 1	6 2		18 45			17 17	6 8
T 27		12 40 1 2				1 22 24 2		22 38		14 47	2 33	-		5 16 1	6 2		18 45		-	17 16	6 9
F 28 S 29	13 58 14 17		6 17 13 0 16 48	1 42 1 28		1 24 23 56 1 26 23 51		22 38 22 38	0 39	14 46 14 45	2 33 2 33		0 31 0 31	5 17 1 5 17 1	6 2	0 16 19 59 16 19	18 46		-	17 16 17 15	6 10 6 10
S 30	14n35	3 s49 4 s	5 16n22	1n12	1s 6	1 s28 23n46	1n48	22 s38	0n39	14 s44	2n33	11n 4	0s31	5n17 1n	6 1 s:	59 16s19	18 s48	18 s46	24n 1	17s14	6n11

Julian Day Number = 2488889.5, Delta T = 94.23 sec Ecliptic obliquity = $23^{\circ}25'40$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}10'08$, Lahiri = $25^{\circ}17'08$

MAY 2102 00:00 UT

Day	Sid.t	0	D	φ	φ	ð	4	ħ)Å(¥	Р	3	u	Ç	Š,	Day
M 1	14 34 10	10816'35	13 ≏ 31	10°R41	1 Y 47	209513	23°R46	17°R54	0 8 17	19°R10	5 8 51	5°R40	5≈56	1795 4	1°R16	M 1
T 2	14 38 6	11°14'51	27°15	108 2	2°58	20°46	23 × ⁷ 43	17 M .49	0°21	19 m 9	5°52	5≈29	5°53	17°11	1 ਰ 15	T 2
W 3	14 42 3	12°13'06	11 M 20	9°22	4° 8	21°19	23°39	17°45	0°24	19° 8	5°54	5°17	5°49	17°17	1°13	W 3
T 4	14 46 0	13°11'19	25°42	8°44	5°19	21°51	23°35	17°40	0°27	19° 8	5°55	5° 5	5°46	17°24	1°11	T 4
F 5	14 49 56	14° 9'31	10 × 13	8° 6	6°30	22°24	23°30	17°36	0°31	19° 7	5°56	4°56	5°43	17°31	1° 9	F 5
S 6	14 53 53	15° 7'41	24°48	7°31	7°40	22°57	23°26	17°31	0°34	19° 6	5°58	4°49	5°40	17°37	1° 6	S 6
S 7	14 57 49	16° 5'50	9 ට 19	6°59	8°51	23°30	23°21	17°27	0°37	19° 5	5°59	4°44	5°37	17°44	1° 4	S 7
M 8	15 1 46	17° 3'57	23°43	6°29	10° 2	24° 3	23°17	17°22	0°41	19° 5	6° 0	4°43	5°34	17°51	1° 2	M 8
T 9	15 5 42	18° 2'02	7≈57	6° 4	11°13	24°37	23°12	17°18	0°44	19° 4	6° 2	4°D42	5°30	17°57	1° 0	T 9
W10	15 9 39	19° 0'06	21°58	5°41	12°24	25°10	23° 7	17°13	0°47	19° 3	6° 3	4°R42	5°27	18° 4	0°57	W10
T 11	15 13 35	19°58'09	5)(47	5°24	13°35	25°43	23° 2	17° 9	0°51	19° 3	6° 4	4°42	5°24	18°11	0°55	T 11
F 12	15 17 32	20°56'11	19°24	5°10	14°46	26°17	22°56	17° 4	0°54	19° 2	6° 6	4°39	5°21	18°17	0°52	F 12
S 13	15 21 29	21°54'11	2 Ƴ 49	5° 1	15°57	26°50	22°51	16°59	0°57	19° 1	6° 7	4°33	5°18	18°24	0°49	S 13
S 14	15 25 25	22°52'09	16° 3	4°D56	17°8	27°24	22°45	16°55	1° 1	19° 1	6° 8	4°25	5°14	18°31	0°47	S 14
M15	15 29 22	23°50'07	29° 5	4°57	18°19	27°57	22°39	16°51	1° 4	19° 0	6°10	4°15	5°11	18°37	0°44	M15
T 16	15 33 18	24°48'03	11 8 55	5° 1	19°30	28°31	22°34	16°46	1° 7	19° 0	6°11	4° 3	5° 8	18°44	0°41	T 16
W17	15 37 15	25°45'58	24°33	5°11	20°41	29° 5	22°28	16°42	1°10	18°59	6°12	3°51	5° 5	18°50	0°38	W17
T 18	15 41 11	26°43'51	6 Ⅱ 57	5°25	21°52	29°38	22°21	16°37	1°13	18°59	6°14	3°40	5° 2	18°57	0°35	T 18
F 19	15 45 8	27°41'43	19°10	5°43	23° 4	0Ω 12	22°15	16°33	1°17	18°59	6°15	3°30	4°59	19° 4	0°32	F 19
S 20	15 49 4	28°39'33	19512	6° 6	24°15	0°46	22° 9	16°28	1°20	18°58	6°16	3°23	4°55	19°10	0°29	S 20
S 21	15 53 1	29°37'21	13° 5	6°33	25°26	1°20	22° 2	16°24	1°23	18°58	6°18	3°19	4°52	19°17	0°26	S 21
M22	15 56 58	0耳35'08	24°53	7° 4	26°37	1°54	21°56	16°20	1°26	18°58	6°19	3°17	4°49	19°24	0°22	M22
T 23	16 0 54	1°32'54	6 Ω 40	7°40	27°49	2°28	21°49	16°15	1°29	18°57	6°20	3°D17	4°46	19°30	0°19	T 23
W24	16 451	2°30'38	18°31	8°19	29° 0	3° 3	21°42	16°11	1°32	18°57	6°21	3°17	4°43	19°37	0°16	W24
T 25	16 8 47	3°28'20	0 m 30	9° 2	0812	3°37	21°36	16° 7	1°35	18°57	6°23	3°R18	4°40	19°44	0°12	T 25
F 26	16 12 44	4°26'01	12°44	9°48	1°23	4°11	21°29	16° 3	1°38	18°57	6°24	3°17	4°36	19°50	0° 9	F 26
S 27	16 16 40	5°23'40	25°16	10°38	2°35	4°45	21°22	15°59	1°41	18°57	6°25	3°15	4°33	19°57	0° 6	S 27
S 28	16 20 37	6°21'17	8 ₾ 13	11°32	3°46	5°20	21°15	15°55	1°44	18°56	6°26	3°11	4°30	20° 4	0° 2	S 28
M29	16 24 33	7°18'53	21°36	12°29	4°58	5°54	21° 7	15°50	1°47	18°56	6°28	3° 5	4°27	20°10	29 × 758	M29
T 30	16 28 30	8°16'28	5M26	13°29	6° 9	6°29	21° 0	15°46	1°50	18°56	6°29	2°58	4°24	20°17	29°55	T 30
W31	16 32 27	9∏14'01	19 M 42	14833	7 8 21	7 Ω 3	20 × 753	15 M .43	1 8 53	18°D56	6 8 30	2≈49	4≈20	209524	29 × 751	W31

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M 1	14n54			15n54	0n56	0 s40	1 s30	-		22 s38	0n39	-		11n 5		5n18	1n 6	1 s 58 16 s 1			-		
T 2 W 3	-			15 26 14 57	0 39 0 22	0 14 0n12		23 35 23 29		22 38 22 38	0 39		2 33 2 33			5 18 5 18	1 6 1 6		9 18 53 9 18 56				6 12
T 4	15 47	-, -,		14 37	0 22	0 39	-	23 29		22 37	0 39	-	2 33			5 19	1 6		9 18 59				6 13
F 5				14 29	0 s13	1 5		23 23		22 37	0 39			11 10		5 19	1 6	1 57 16 1			23 53		6 14
S 6		-	-	13 33	0 30	1 32		23 11		22 37	0 39			11 11	0 31	5 19	1 6	1 56 16 1			23 51		6 14
S 7	16 39	25 16	2 10	13 6	0 47	1 58	1 40	23 5	1 44	22 37	0 39	14 35	2 33	11 12	0 31	5 20	1 6	1 56 16 1	9 19 4	18 52	23 49	17 10	6 15
M 8	16 55	22 18	0 58	12 41	1 3	2 25	1 42	22 59	1 43	22 37	0 39	14 34	2 33	11 13	0 31	5 20	1 6	1 56 16 1	9 19 5	18 52	23 48	17 10	6 15
T 9	17 12	18 0	0n17	12 17	1 19	2 51	1 43	22 52	1 42	22 36	0 39	14 32	2 33	11 14	0 31	5 20	1 6	1 55 16 2	0 19 5	18 53	23 46	17 9	6 16
W10	17 28	12 45	1 30	11 56	1 34	3 18	1 44	22 46	1 42	22 36	0 39	14 31	2 33	11 15	0 31	5 20	1 6	1 55 16 2	0 19 5	18 54	23 44	17 9	6 17
T 11	17 43	6 57	2 37	11 36	1 49	3 44	1 45	22 39	1 41	22 36	0 39	14 30	2 33	11 17	0 31	5 21	1 6	1 54 16 2	0 19 5	18 55	23 42	17 8	6 17
F 12	17 59	0 55	3 33	11 19	2 2	4 11	1 46		1 41	22 36	0 39	-	2 33	11 18	0 31	5 21	1 6	1 54 16 2				17 8	6 18
S 13	18 14	5n 3	4 17	11 4	2 15	4 37	1 47	22 25	1 40	22 36	0 39	14 28	2 33	11 19	0 31	5 21	1 6	1 54 16 2	0 19 7	18 56	23 39	17 7	6 18
S 14			-	10 51	2 27	5 3	1 48			22 35	0 39	-		11 20		5 21	1 6	1 53 16 2			23 37		6 19
M15			-	10 41	2 38	5 30		22 11		22 35	0 38	-		11 21	0 31	5 21	1 6		0 19 11				6 19
T 16				10 34	2 47	5 56		22 3		22 35	0 38			11 22	0 31	5 22	1 6		0 19 14			17 6	6 20
W17	19 11			10 28	2 56	6 22		21 56		22 34	0 38			11 23	0 31	5 22	1 6	-	0 19 17			17 5	6 20
T 18			-	10 26	3 4	6 48		21 48		22 34	0 38			11 24	0 31	5 22	1 6		0 19 19			17 5	6 21
F 19			-	10 25	3 11	7 14	1 51			22 34	0 38			11 26		5 22	1 6		0 19 22		23 28	17 4	6 21
S 20	19 51			10 27	3 17	7 40	1 51	-		22 34		14 19		11 27	0 31	5 22	1 6		0 19 23		23 27		6 22
S 21				10 31	3 22	8 6	1 52			22 33	0 38	-		11 28		5 22	1 6	1 51 16 2			23 25		6 22
M22	20 16		-	10 37	3 26	8 32	1 52			22 33	0 38	-		11 29		5 22	1 6		1 19 25			17 3	6 23
T 23				10 46	3 29	8 57	-	21 8		22 33	0 38	-	-	11 30		5 22	1 6	-	1 19 25		_	17 3	6 23
W24 T 25	20 39 20 50			10 56 11 8	3 31 3 33	9 22 9 47	1 52 1			22 32 22 32	0 38			11 31 11 32	0 31 0 31	5 22 5 23	1 6 1 5		1 19 25 1 19 25		23 19 23 18		6 23 6 24
F 26	20 30		3 15	-		10 12	1 52			22 32		14 14	-	11 32		5 23	1 5		1 19 25		23 16		6 24
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	_			12 14		11 26	1 50			22 30 22 30	0 38			11 36	0 31	5 23	1 5	1 49 16 2 1 49 16 2			23 10		6 26
	21 40 21n49		-	12 34 12n56		11 30 12n14	1 so			22 s30		14 9 14s 8		11 37 11n38		5 23 5n23	1 5 1n 5		2 19 29 2 19 s31				6 26 6n26
VVJI	∠11149	22 SZ 1 2	4833	121130	3823	121114	1 830	1 7113 /	11129	22830	0115 /	148 8	2113 1	111138	0831	31123	111 3	1849 1082	19831	19810	2311 /	1/8 0	01120

Julian Day Number = 2488919.5, Delta T = 94.27 sec Ecliptic obliquity = 23°25'39, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°10'12, Lahiri = 25°17'12

JUNE 2102 00:00 UT

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Day	Sid.t	0	D	ğ	Q.	ð	4	ħ)∤(并	В	រា	v	Ç	ę,	Day
T 1	16 36 23	10 I I1'34	4 √ 19	15 8 39	8 8 32	7 Ω 38	20°R46	15°R39	1 8 56	18 m /56	6 8 31	2°R41	4≈17	20930	29°R48	T 1
F 2	16 40 20	11° 9'05	19°11	16°49	9°44	8°12	20 × 38	15 M 35	1°59	18°56	6°32	2≈34	4°14	20°37	29 х 44	F 2
S 3	16 44 16	12° 6'35	4궁 8	18° 1	10°56	8°47	20°31	15°31	2° 2	18°56	6°34	2°29	4°11	20°44	29°40	S 3
S 4	16 48 13	13° 4'04	19° 2	19°17	12° 7	9°22	20°23	15°27	2° 4	18°57	6°35	2°27	4° 8	20°50	29°36	S 4
M 5	16 52 9	14° 1'33	3≈46	20°35	13°19	9°57	20°16	15°24	2° 7	18°57	6°36	2°D26	4° 5	20°57	29°32	M 5
T 6	16 56 6	14°59'00	18°15	21°56	14°31	10°31	20° 8	15°20	2°10	18°57	6°37	2°27	4° 1	21° 4	29°29	T 6
W 7	17 0 2	15°56'27	2 ∺ 26	23°20	15°43	11° 6	20° 1	15°16	2°13	18°57	6°38	2°28	3°58	21°10	29°25	W 7
T 8	17 3 59	16°53'53	16°17	24°47	16°55	11°41	19°53	15°13	2°15	18°57	6°39	2°R29	3°55	21°17	29°21	T 8
F 9	17 7 56	17°51'19	29°49	26°17	18° 7	12°16	19°45	15° 9	2°18	18°58	6°40	2°28	3°52	21°23	29°17	F 9
S 10	17 11 52	18°48'44	13 ° 4	27°49	19°18	12°51	19°38	15° 6	2°21	18°58	6°41	2°25	3°49	21°30	29°13	S 10
S 11	17 15 49	19°46'08	26° 3	29°24	20°30	13°26	19°30	15° 3	2°23	18°58	6°42	2°21	3°46	21°37	29° 9	S 11
M12	17 19 45	20°43'32	8 8 48	1 I 1	21°42	14° 1	19°22	14°59	2°26	18°59	6°43	2°15	3°42	21°43	29° 5	M12
T 13	17 23 42	21°40'55	21°19	2°42	22°54	14°37	19°15	14°56	2°28	18°59	6°45	2° 8	3°39	21°50	29° 1	T 13
W14	17 27 38	22°38'18	3 Ⅱ 40	4°25	24° 6	15°12	19° 7	14°53	2°31	19° 0	6°46	2° 1	3°36	21°57	28°57	W14
T 15	17 31 35	23°35'40	15°50	6°10	25°18	15°47	18°59	14°50	2°33	19° 0	6°47	1°55	3°33	22° 3	28°53	T 15
F 16	17 35 32	24°33'01	27°52	7°59	26°30	16°22	18°52	14°47	2°36	19° 1	6°48	1°49	3°30	22°10	28°49	F 16
S 17	17 39 28	25°30'22	99546	9°49	27°43	16°58	18°44	14°44	2°38	19° 1	6°49	1°45	3°26	22°17	28°45	S 17
S 18	17 43 25	26°27'42	21°35	11°43	28°55	17°33	18°37	14°41	2°40	19° 2	6°49	1°43	3°23	22°23	28°41	S 18
M19	17 47 21	27°25'01	3 Ω 22	13°38	0 I 7	18° 9	18°29	14°39	2°43	19° 2	6°50	1°D42	3°20	22°30	28°37	M19
T 20	17 51 18	28°22'19	15° 9	15°36	1°19	18°44	18°22	14°36	2°45	19° 3	6°51	1°43	3°17	22°37	28°33	T 20
W21	17 55 14	29°19'37	27° 0	17°37	2°31	19°20	18°14	14°34	2°47	19° 4	6°52	1°45	3°14	22°43	28°28	W21
T 22	17 59 11	09516'54	9MD 0	19°39	3°43	19°55	18° 7	14°31	2°49	19° 4	6°53	1°46	3°11	22°50	28°24	T 22
F 23	18 3 7	1°14'10	21°13	21°43	4°56	20°31	18° 0	14°29	2°52	19° 5	6°54	1°48	3° 7	22°57	28°20	F 23
S 24	18 7 4	2°11'26	3 ≏ 44	23°49	6° 8	21° 6	17°52	14°26	2°54	19° 6	6°55	1°R48	3° 4	23° 3	28°16	S 24
S 25	18 11 1	3° 8'40	16°37	25°57	7°20	21°42	17°45	14°24	2°56	19° 7	6°56	1°47	3° 1	23°10	28°12	S 25
M26	18 14 57	4° 5'54	29°56	28° 6	8°32	22°18	17°38	14°22	2°58	19° 7	6°57	1°45	2°58	23°16	28° 8	M26
T 27	18 18 54	5° 3'08	13 M .43	09୍ତୀ6	9°45	22°54	17°31	14°20	3° 0	19°8	6°57	1°43	2°55	23°23	28° 4	T 27
W28	18 22 50	6° 0'21	27°57	2°26	10°57	23°30	17°24	14°18	3° 2	19° 9	6°58	1°39	2°52	23°30	28° 0	W28
T 29	18 26 47	6°57'33	12 × 36	4°37	12° 9	24° 5	17°17	14°16	3° 4	19°10	6°59	1°36	2°48	23°36	27°56	T 29
F 30	18 30 43	7954'46	27 × 34	69548	13 Ⅱ 22	24 Ω 41	17 √ 11	14 M .14	3 8 6	19 m)11	78 0	1≈33	2≈45	239543	27 × 752	F 30

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T 1 F 2 S 3	21n58 22 6 22 14	26 30 3	4s21 13n1 3 31 13 4 2 26 14	3 3 10		1 s49 19 1 48 19 1 47 19	9 38 1 28	22 s29 3 22 29 3 22 28	0 37	14 6	2 31	11n39 11 40 11 41		5n23 1n 5 23 1 5 22 1	5 1	s49 16 s22 48 16 22 48 16 22	19 35	19 11	23 3	16 s 5 9 16 5 9 16 5 8	6n26 6 27 6 27
S 4 M 5 T 6 W 7 T 8	22 21 22 28 22 35 22 41 22 47	19 11 0 14 1 1 8 12 2	1 12 14 3 2	1 2 59 8 2 52 6 2 43	2 14 31 5 14 53		9 8 1 23 3 58 1 26 3 48 1 25	7 22 28 7 22 27 6 22 27 6 22 27 7 22 26	0 37 0 37 0 37 0 37 0 36	14 3 14 2 14 1	2 30 2 30 2 30	11 42 11 43 11 44 11 45 11 46	0 31 0 31 0 31	5 22 1 5 22 1 5 22 1 5 22 1 5 22 1	5 1 5 1 5 1	48 16 23 47 16 23	19 36 19 36 19 36	19 14 19 14 19 15	22 59 22 57 22 55 22 53 22 52	16 58 16 58 16 57	6 27 6 28 6 28 6 28 6 29
F 9 S 10	22 52 22 57		4 21 16 5 4 52 17 2	4 2 2	8 15 36	1 41 13 1 40 13	3 28 1 24	22 26 22 25	0 36	13 59 13 59	2 29	11 47 11 47	0 31	5 22 1 5 22 1	-		19 36	19 17	22 50	16 57	6 29 6 29
S 11 M12 T 13 W14 T 15 F 16 S 17	23 16	22 47 4 25 12 4 26 23 3 26 19 2		3 2 3 1 5 2 1 40 1 1 30 0 1 19	1 16 37 1 16 57 0 17 16 0 17 35 9 17 54	1 36 1° 1 34 1° 1 32 1°	7 56 1 23 7 45 1 22 7 34 1 23 7 23 1 23 7 12 1 20	3 22 25 3 22 24 2 22 24 1 22 23 1 22 23 0 22 22 0 22 22	0 36 0 36 0 36 0 36 0 35		2 29 2 29 2 28 2 28 2 28	11 48 11 49 11 50 11 51 11 52 11 53 11 53	0 31 0 31 0 31 0 31 0 31	5 22 1 5 21 1 5 21 1 5 21 1 5 21 1 5 21 1 5 20 1	5 1 5 1 5 1 5 1 5 1	47 16 24 47 16 25 46 16 25	19 39 19 40 19 42 19 43 19 45	19 19 19 20 19 20 19 21 19 22	22 44 22 42 22 40 22 38 22 36	16 56 16 56 16 55 16 55 16 55	6 29 6 30 6 30 6 30 6 30 6 30 6 30
S 18 M19 T 20 W21 T 22 F 23 S 24		19 15 0 15 7 1 10 24 2 5 15 3 0s11 3	0 55 21 1 0s 9 21 4 1 13 22 2 14 22 2 3 10 22 5 3 59 23 1 4 37 23 2	1 0 4: 5 0 3: 9 0 2: 0 0 1 0 0 0	4 19 3 3 19 19	1 24 1	6 38 1 19 6 26 1 18 6 15 1 18 6 3 1 17 5 51 1 10	9 22 21 9 22 21 8 22 20 8 22 20 7 22 19 5 22 18	0 35 0 35 0 35 0 35 0 34	13 53 13 52 13 52 13 51 13 51 13 50 13 50	2 27 2 27 2 27 2 27 2 27 2 27	11 54 11 55 11 56 11 56 11 57 11 58 11 59	0 31 0 31 0 31 0 31 0 31	5 20 1 5 20 1 5 19 1 5 19 1 5 19 1 5 19 1 5 18 1	5 1 5 1 5 1 5 1 5 1	46 16 26 46 16 26 46 16 27	19 46 19 46 19 46 19 45 19 45	19 24 19 25 19 25 19 26 19 27	22 30 22 28 22 27 22 25 22 23	16 54 16 54 16 54 16 54 16 54	6 31 6 31 6 31 6 31 6 31 6 31
S 25 M26 T 27 W28 T 29 F 30	23 22 23 20 23 17 23 15	26 13 3	5 14 23 5	6 0 32 7 0 4 5 0 5 0 1	1 20 45		5 15 1 15 5 3 1 14 4 50 1 14 4 38 1 13	5 22 18 5 22 17 4 22 17 4 22 16 3 22 16 3 22 s15	0 34 0 34 0 34 0 34	-	2 26 2 26 2 25 2 25	12 1 12 1	0 32 0 32 0 32 0 32	5 18 1 5 18 1 5 17 1 5 17 1 5 16 1 5n16 1n	5 1 5 1 5 1 5 1	46 16 28 46 16 28	19 46 19 46 19 47 19 48	19 29 19 30 19 31 19 31	22 17 22 15 22 13 22 11	16 53 16 53 16 53 16 53	6 31 6 31 6 31 6 31 6 31 6n31

Julian Day Number = 2488950.5, Delta T = 94.31 sec Ecliptic obliquity = $23^{\circ}25'38$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}10'16$, Lahiri = $25^{\circ}17'17$

JULY 2102 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	ð	4	ħ)∤(¥	Р	n	Ω	Ç	Ŷ,	Day
S 1	18 34 40	8951'57	12 る 43	8 9 59	14 Ⅲ 34	25 Ω 17	17°R 4	14°R13	3 8 8	19 m 12	7 岁 1	1°R31	2≈42	23950	27°R48	S 1
S 2	18 38 36	9°49'09	27°53	11°10	15°47	25°53	16 ∡ 757	14 M .11	3° 9	19°13	7° 1	1°D30	2°39	23°56	27 × 744	S 2
M 3	18 42 33	10°46'21	12≈54	13°20	16°59	26°29	16°51	14°10	3°11	19°14	7° 2	1≈30	2°36	24° 3	27°41	M 3
T 4	18 46 30	11°43'32	27°41	15°30	18°12	27° 5	16°44	14° 8	3°13	19°15	7° 3	1°31	2°32	24°10	27°37	T 4
W 5	18 50 26	12°40'44	12 米 6	17°38	19°24	27°41	16°38	14° 7	3°15	19°16	7° 3	1°33	2°29	24°16	27°33	W 5
T 6	18 54 23	13°37'56	26° 7	19°45	20°37	28°18	16°32	14° 6	3°16	19°17	7° 4	1°34	2°26	24°23	27°29	T 6
F 7	18 58 19	14°35'08	9 Υ 44	21°50	21°50	28°54	16°26	14° 4	3°18	19°18	7° 5	1°R34	2°23	24°30	27°25	F 7
S 8	19 2 16	15°32'20	22°58	23°54	23° 2	29°30	16°20	14° 3	3°19	19°20	7° 5	1°34	2°20	24°36	27°22	S 8
S 9	19 6 12	16°29'33	5 8 51	25°57	24°15	0 mg 6	16°14	14° 2	3°21	19°21	7° 6	1°33	2°17	24°43	27°18	S 9
M10	19 10 9	17°26'46	18°26	27°58	25°28	0°43	16° 9	14° 2	3°22	19°22	7° 6	1°32	2°13	24°50	27°14	M10
T 11	19 14 5	18°23'59	0 Ⅱ 46	29°57	26°40	1°19	16° 3	14° 1	3°24	19°23	7° 7	1°30	2°10	24°56	27°11	T 11
W12	19 18 2	19°21'13	12°54	1 Ω 54	27°53	1°55	15°58	14° 0	3°25	19°25	7° 8	1°29	2° 7	25° 3	27° 7	W12
T 13	19 21 59	20°18'27	24°53	3°49	29° 6	2°32	15°53	14° 0	3°26	19°26	7° 8	1°27	2° 4	25° 9	27° 3	T 13
F 14	19 25 55	21°15'41	69346	5°42	09519	3° 8	15°48	13°59	3°28	19°27	7° 9	1°26	2° 1	25°16	27° 0	F 14
S 15	19 29 52	22°12'56	18°35	7°34	1°32	3°45	15°43	13°59	3°29	19°29	7° 9	1°25	1°58	25°23	26°57	S 15
S 16	19 33 48	23°10'11	0 Ω 22	9°24	2°45	4°22	15°38	13°58	3°30	19°30	7°10	1°D25	1°54	25°29	26°53	S 16
M17	19 37 45	24° 7'26	12° 9	11°11	3°58	4°58	15°33	13°58	3°31	19°31	7°10	1°25	1°51	25°36	26°50	M17
T 18	19 41 41	25° 4'41	24° 0	12°57	5°11	5°35	15°29	13°D58	3°32	19°33	7°10	1°25	1°48	25°43	26°46	T 18
W19	19 45 38	26° 1'56	5 m 56	14°41	6°23	6°12	15°25	13°58	3°34	19°34	7°11	1°26	1°45	25°49	26°43	W19
T 20	19 49 34	26°59'12	18° 1	16°23	7°36	6°48	15°20	13°58	3°35	19°36	7°11	1°26	1°42	25°56	26°40	T 20
F 21	19 53 31	27°56'28	0 ჲ 18	18° 3	8°50	7°25	15°16	13°59	3°35	19°37	7°12	1°27	1°38	26° 3	26°37	F 21
S 22	19 57 28	28°53'44	12°50	19°42	10° 3	8° 2	15°13	13°59	3°36	19°39	7°12	1°27	1°35	26° 9	26°34	S 22
S 23	20 1 24	29°51'00	25°42	21°18	11°16	8°39	15° 9	13°59	3°37	19°40	7°12	1°R27	1°32	26°16	26°31	S 23
M24	20 5 21	$0\Omega 48'17$	8 M .56	22°52	12°29	9°16	15° 6	14° 0	3°38	19°42	7°13	1°27	1°29	26°23	26°28	M24
T 25	20 9 17	1°45'33	22°34	24°25	13°42	9°53	15° 2	14° 0	3°39	19°44	7°13	1°D27	1°26	26°29	26°25	T 25
W26	20 13 14	2°42'51	6 ₹ 38	25°56	14°55	10°30	14°59	14° 1	3°40	19°45	7°13	1°27	1°23	26°36	26°22	W26
T 27	20 17 10	3°40'08	21° 7	27°24	16° 8	11° 7	14°56	14° 2	3°40	19°47	7°13	1°27	1°19	26°43	26°19	T 27
F 28	20 21 7	4°37'26	5 云 57	28°51	17°22	11°44	14°53	14° 3	3°41	19°48	7°14	1°28	1°16	26°49	26°17	F 28
S 29	20 25 4	5°34'45	21° 2	0 m 16	18°35	12°21	14°51	14° 4	3°41	19°50	7°14	1°28	1°13	26°56	26°14	S 29
S 30	20 29 0	6°32'04	6≈13	1°39	19°48	12°58	14°48	14° 5	3°42	19°52	7°14	1°R28	1°10	27° 2	26°12	S 30
M31	20 32 57	$7\Omega 29'23$	21≈21	3 MD 0	2195 1	13 m 35	14 ∡ ⁴46	14 M 6	3 8 42	19 m 54	7 8 14	1≈28	1≈ 7	2795 9	26 ₹ 9	M31

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S 2	23 4	20 54		24 19		21 42		14 0		22 14		13 47	2 24			5 15	1 4			19 49				6 31
M 3	22 59			24 14		_		13 47		22 14		13 47	2 24			5 15	1 4			19 49				6 31
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T 11		24 48	-	21 58	-	22 43		12 10		22 11	0 32		2 22	-		5 11	1 4 1 4			19 49		-		6 31
W12		26 16		21 32	-	22 51		11 49		22 10		13 46	2 22			5 11	1 4			19 49		-		6 31
T 13		26 29		21 4	-	22 55		11 35		22 10		13 47	2 22			5 10	1 4			19 50				6 31
_	21 45		-	20 35		22 57		11 21		22 9		13 47	2 21	-		5 9	1 4			19 50				6 30
S 15		23 18	1 11			22 59	0 26			22 9		13 47	2 21	-		5 9	1 4			19 50				6 30
S 16	21 26	20 9	0 6	19 33	1 43	23 1	0.23	10 54	1 4	22 9	0.31	13 47	2 21	12 11	0 32	5 8	1 4	1 48	16 33	19 50	19 44	21 36	16 53	6 30
M17		16 12				23 2		10 40		22 9	0 30	-	2 21	12 11		5 8	1 4			19 50				6 30
T 18	21 6	11 36	2 2	18 26	1 35		0 18	10 26		22 8	0 30	13 47		12 11	0 32	5 7	1 4			19 50				6 30
W19	20 56	6 32	3 0	17 52	1 31	23 1	0 15	10 12	1 2	22 8	0 30	13 48	2 20	12 12	0 32	5 7	1 4	1 48	16 34	19 50	19 46	21 30	16 54	6 29
T 20	20 45	1 11	3 51	17 17	1 26	23 0	0 13	9 58	1 1	22 8	0 30	13 48	2 20	12 12	0 32	5 6	1 4	1 48	16 35	19 50	19 46	21 28	16 54	6 29
F 21	20 34	4s17	4 32	16 41	1 20	22 58	0 10	9 43	1 1	22 7	0 30	13 48	2 20	12 12	0 32	5 5	1 4	1 48	16 35	19 50	19 47	21 25	16 54	6 29
S 22	20 22	9 41	5 1	16 4	1 14	22 55	0 7	9 29	1 0	22 7	0 29	13 49	2 19	12 13	0 32	5 5	1 4	1 49	16 35	19 50	19 48	21 23	16 54	6 29
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M24	19 58	19 26	5 15	14 50	1 1	22 48	0 2	9 0	0 59	22 7	0 29	13 49	2 19	12 13	0 32	5 3	1 4	1 49	16 36	19 50	19 49	21 19	16 55	6 28
T 25	19 45	23 11	4 57	14 13	0 53	22 44	0n 0	8 46	0 59	22 7	0 29	13 50	2 18	12 13	0 32	5 3	1 4	1 49	16 36	19 50	19 50	21 17	16 55	6 28
W26	19 33	25 41	4 20	13 35	0 46	22 38	0 3	8 32	0 58	22 6	0 29	13 50	2 18	12 14	0 32	5 2	1 4	1 50	16 37	19 50	19 51	21 15	16 55	6 28
T 27		26 33		12 57		22 32	0 5	8 17	0 58	-				12 14		5 2	1 4			19 50		-		6 28
F 28	19 6			12 20	-	22 26	0 8	8 2	0 57		0 28			12 14		5 1	1 4			19 49				6 27
S 29	18 52	22 44	0 58	11 42	0 21	22 19	0 10	7 48	0 56	22 6	0 28	13 52	2 17	12 14	0 32	5 0	1 4	1 50	16 38	19 49	19 53	21 8	16 56	6 27
S 30	18 38	18 17	0n26	11 4			0 13	7 33	0 56	22 6		13 52		12 14		4 59	1 4			19 49		-		6 27
M31	18n23	12 s40	1n48	10n26	0n 2	22n 2	0n15	7n18	0n55	22 s 6	0n28	13 s53	2n17	12n15	0 s32	4n59	1n 4	1 s 5 1	16 s 38	19 s49	19 s54	21n 4	16s56	6n26

Julian Day Number = 2488980.5, Delta T = 94.35 sec Ecliptic obliquity = $23^{\circ}25'38$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}10'20$, Lahiri = $25^{\circ}17'21$

AUGUST 2102 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	Ç	Ω	Ç	Š.	Day
T 1	20 36 53	8 Ω 26'44	6) €18	4 m) 18	229515	14 Mp 12	14°R44	14 M 7	3 8 43	19 m 55	7 8 14	1°R27	1≈ 4	279516	26°R 7	T 1
W 2	20 40 50	9°24'05	20°55	5°35	23°28	14°50	14 × 142	14° 9	3°43	19°57	7°14	1≈26	1° 0	27°22	26 ∡ 4	W 2
T 3	20 44 46	10°21'27	5 ℃ 7	6°49	24°42	15°27	14°40	14°10	3°44	19°59	7°15	1°25	0°57	27°29	26° 2	T 3
F 4	20 48 43	11°18'50	18°53	8° 1	25°55	16° 4	14°39	14°12	3°44	20° 1	7°15	1°24	0°54	27°36	26° 0	F 4
S 5	20 52 39	12°16'15	2812	9°11	27° 8	16°42	14°38	14°14	3°44	20° 3	7°15	1°24	0°51	27°42	25°58	S 5
S 6	20 56 36	13°13'41	15° 6	10°19	28°22	17°19	14°36	14°15	3°44	20° 4	7°15	1°D24	0°48	27°49	25°56	S 6
M 7	21 0 32	14°11'08	27°38	11°24	29°36	17°57	14°35	14°17	3°44	20° 6	7°R15	1°24	0°44	27°56	25°54	M 7
T 8	21 4 29	15° 8'36	9 Ⅱ 53	12°26	0 Ω 49	18°34	14°35	14°19	3°44	20° 8	7°15	1°25	0°41	28° 2	25°52	T 8
W 9	21 8 26	16° 6'06	21°55	13°26	2° 3	19°12	14°34	14°21	3°R45	20°10	7°15	1°26	0°38	28° 9	25°50	W 9
T 10	21 12 22	17° 3'36	39549	14°23	3°16	19°49	14°34	14°23	3°44	20°12	7°15	1°27	0°35	28°16	25°48	T 10
F 11	21 16 19	18° 1'08	15°37	15°17	4°30	20°27	14°33	14°26	3°44	20°14	7°15	1°29	0°32	28°22	25°47	F 11
S 12	21 20 15	18°58'42	27°23	16° 8	5°44	21° 5	14°D33	14°28	3°44	20°16	7°14	1°R29	0°29	28°29	25°45	S 12
S 13	21 24 12	19°56'16	9Ω11	16°56	6°58	21°42	14°33	14°30	3°44	20°18	7°14	1°29	0°25	28°35	25°44	S 13
M14	21 28 8	20°53'51	21° 3	17°40	8°11	22°20	14°34	14°33	3°44	20°20	7°14	1°28	0°22	28°42	25°42	M14
T 15	21 32 5	21°51'28	3 m) 1	18°21	9°25	22°58	14°34	14°35	3°44	20°22	7°14	1°26	0°19	28°49	25°41	T 15
W16	21 36 2	22°49'06	15° 7	18°58	10°39	23°36	14°35	14°38	3°43	20°24	7°14	1°23	0°16	28°55	25°40	W16
T 17	21 39 58	23°46'44	27°23	19°31	11°53	24°14	14°36	14°41	3°43	20°26	7°14	1°20	0°13	29° 2	25°39	T 17
F 18	21 43 55	24°44'24	9 ≙ 50	20° 0	13° 7	24°52	14°37	14°44	3°43	20°28	7°13	1°16	0°10	29° 9	25°37	F 18
S 19	21 47 51	25°42'05	22°31	20°24	14°21	25°30	14°38	14°47	3°42	20°30	7°13	1°13	0° 6	29°15	25°36	S 19
S 20	21 51 48	26°39'47	5 M 27	20°44	15°34	26° 8	14°40	14°50	3°42	20°32	7°13	1°10	0° 3	29°22	25°36	S 20
M21	21 55 44	27°37'30	18°41	20°59	16°48	26°46	14°41	14°53	3°41	20°34	7°13	1° 9	29 궁 59	29°29	25°35	M21
T 22	21 59 41	28°35'14	2 √ 14	21° 9	18° 2	27°24	14°43	14°56	3°40	20°36	7°12	1°D 8	29°57	29°35	25°34	T 22
W23	22 3 37	29°33'00	1 <u>6°</u> 7	21°R13	19°16	28° 2	14°45	14°59	3°40	20°38	7°12	1° 9	29°54	29°42	25°33	W23
T 24	22 7 34	0 Mp 30'46	0 궁 21	21°12	20°30	28°40	14°47	15° 3	3°39	20°40	7°12	1°11	29°50	29°49	25°33	T 24
F 25	22 11 31	1°28'33	14°53	21° 5	21°45	29°18	14°50	15° 6	3°38	20°42	7°11	1°12	29°47	29°55	25°32	F 25
S 26	22 15 27	2°26'22	29°41	20°53	22°59	29°57	14°52	15°10	3°38	20°45	7°11	1°R13	29°44	0 Ω 2	25°32	S 26
S 27	22 19 24	3°24'12	14 ≈ 39	20°34	24°13	ე <u>თ</u> 35	14°55	15°13	3°37	20°47	7°11	1°12	29°41	0° 8	25°32	S 27
M28	22 23 20	4°22'03	29°39	20°10	25°27	1°13	14°58	15°17	3°36	20°49	7°10	1°10	29°38	0°15	25°32	M28
T 29	22 27 17	5°19'56	14) 32	19°40	26°41	1°52	15° 1	15°21	3°35	20°51	7°10	1° 6	29°35	0°22	25°32	T 29
W30	22 31 13	6°17'50	29°10	19° 4	27°55	2°30	15° 4	15°25	3°34	20°53	7° 9	1° 1	29°31	0°28	25°D31	W30
T 31	22 35 10	7 m 15'46	13 Y 27	18 m 23	29⋒ 9	3 ₾ 9	15 才 7	15 M 29	3 8 33	20 m 55	7 8 9	0≈56	29 궁 28	0 Ω 35	25 ₹ 32	T 31

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T 3 F 4 S 5	17 38 17 23 17 7	6 23 4 4 12 10 5 10 17 11 5 1	7 59	0 27 21 33 0 37 21 22 0 48 21 10		33 0 54 18 0 53 3 0 53	22 6	0 27	13 55 13 56 13 56	2 16	12 15 12 15 12 15	0 32	4 57 1 4 4 56 1 4 4 55 1 4	1 52 16 40	19 50 19 50 19 50	19 57	20 55	16 57	6 25 6 25 6 25
S 6 M 7 T 8 W 9 T 10 F 11	16 50 16 34 16 17 16 0 15 43 15 25	24 14 4 4 26 1 4 9 26 33 3 2 25 50 2 2	5 6 13 9 5 39 2 5 6 7 4 34	0 59 20 58 1 9 20 45 1 20 20 31 1 31 20 17 1 43 20 3 1 54 19 47	0 32 5 0 34 5 0 37 5 0 39 4	48 0 52 33 0 51 18 0 51 3 0 50 48 0 50 32 0 49	22 6 22 6 22 6 22 6 22 6	0 26 0 26 0 26 0 26 0 26 0 26	13 59 14 0 14 1	2 15 2 15 2 15 2 14	12 15 12 15 12 15 12 15 12 15 12 15 12 15	0 32 0 32 0 32 0 32	4 54 1 4 4 54 1 4 4 53 1 4 4 52 1 4 4 51 1 4 4 51 1 4	1 53 16 41 1 53 16 41 1 53 16 41 1 54 16 42	19 50 19 50 19 50 19 50	19 59 20 0 20 0 20 1		16 58 16 58 16 59 16 59	6 24 6 24 6 24 6 23 6 23 6 23
S 12 S 13 M14 T 15 W16 T 17 F 18 S 19	14 50 14 31 14 13 13 54 13 35 13 16	21 3 0 2: 17 16 0s4: 12 48 1 44 7 49 2 4: 2 30 3 3: 2s57 4 2 8 23 4 5: 13 34 5 1	2 3 4 5 2 36 5 2 10 8 1 45 1 1 22 3 1 1	2 5 19 31 2 17 19 15 2 28 18 58 2 39 18 41 2 50 18 23 3 1 18 4 3 12 17 45 3 22 17 25	0 45 4 0 47 3 0 49 3 0 51 3 0 53 3 0 55 2	46 0 48 31 0 47 15 0 46	3 22 7 3 22 7 7 22 8 5 22 8 5 22 8	0 25 0 25 0 25 0 25 0 25 0 24 0 24 0 24	14 3 14 4 14 5 14 6 14 7 14 8	2 13 2 13 2 13 2 13 2 12 2 12	12 15 12 15	0 32 0 32 0 32 0 33 0 33 0 33	4 49 1 4 4 48 1 4 4 48 1 4 4 47 1 4 4 46 1 4 4 45 1 4 4 44 1 4	1 55 16 43 1 55 16 43 1 56 16 44 1 56 16 44	19 49 19 49 19 50 19 50 19 51 19 52	20 3 20 4 20 4 20 5 20 6 20 6	20 31 20 29 20 27	17 0 17 0 17 1 17 1 17 1 17 2	6 22 6 22 6 21 6 21 6 21 6 20 6 20 6 19
S 20 M21 T 22 W23 T 24 F 25 S 26	12 37 12 17 11 58 11 37 11 17 10 57	18 15 5 1. 22 10 5 0 25 0 4 29 26 24 3 4. 26 7 2 4	3 0 25 0 0 10 0 0s 2 3 0 12 1 0 19 3 0 23		0 58 2 1 0 1 1 2 1 1 3 1 1 5 1 1 7 0	13 0 44 57 0 44 42 0 43 26 0 43 10 0 42 55 0 41	22 9 22 9 3 22 10 3 22 10 2 22 11	0 24 0 24 0 23 0 23 0 23 0 23	14 11 14 12 14 13 14 14 14 15	2 12 2 11 2 11 2 11 2 11 2 11	12 14 12 14 12 13 12 13 12 13	0 33 0 33 0 33 0 33 0 33 0 33	4 43 1 4 4 43 1 4 4 42 1 4 4 41 1 4 4 40 1 4 4 39 1 4 4 39 1 4	1 57 16 45 1 58 16 45 1 58 16 45 1 58 16 46 1 59 16 46 1 59 16 46		20 8 20 8 20 9 20 10 20 10 20 11	20 20 20 18 20 16 20 13 20 11 20 9	17 3 17 3 17 3 17 4 17 4 17 5	6 19 6 19 6 18 6 18 6 17 6 17 6 16
S 27 M28 T 29 W30 T 31	10 15 9 54 9 33 9 12 8n50	15 16 1n1: 9 16 2 29 2 47 3 3: 3n43 4 2: 9n52 4n5	0 15 5 0 5 6 0n 8	4 26 14 32 4 30 14 9 4 33 13 45 4 34 13 20 4s33 12n55	1 11 0 1 12 0 1 13 0	7 0 40 s 8 0 39 24 0 39	22 12 22 13 22 13 22 14 22 14 3 22 s14	0 22 0 22 0 22	14 23	2 10 2 10 2 9	12 12 12 12 12 11 12 11 12 11		4 38 1 4 4 37 1 4 4 36 1 4 4 35 1 4 4n34 1n 4	2 0 16 47 2 1 16 48 2 1 16 48	19 53 19 53 19 54 19 55 19 55	20 13 20 14 20 14	20 2 20 0 19 57	17 6 17 6 17 7	6 16 6 15 6 15 6 15 6 14

Julian Day Number = 2489011.5, Delta T = 94.39 sec Ecliptic obliquity = 23°25'38, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°10'25, Lahiri = 25°17'25

SEPTEMBER 2102 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)મ(卉	В	S.	ß	Ç	ę,	Day
F 1	22 39 6	8 mp 13'43	27 Υ 19	17°R37	0 m 24	3 <u>₽</u> 47	15 × 11	15 M .33	3°R32	20 m 58	7°R 8	0°R51	29 る 25	0 Ω 42	25 × 32	F 1
S 2	22 43 3	9°11'43	10843	16 m /47	1°38	4°26	15°15	15°37	3 8 31	21° 0	7 8 8	0≈46	29°22	0°48	25°32	S 2
S 3	22 46 59	10° 9'44	23°41	15°53	2°52	5° 4	15°19	15°41	3°30	21° 2	7° 7	0°43	29°19	0°55	25°32	S 3
M 4	22 50 56	11° 7'48	6 Ⅱ 15	14°57	4° 7	5°43	15°23	15°45	3°29	21° 4	7° 7	0°D42	29°15	1° 2	25°33	M 4
T 5	22 54 53	12° 5'53	18°30	14° 0	5°21	6°22	15°27	15°50	3°27	21° 6	7° 6	0°42	29°12	1°8	25°33	T 5
W 6	22 58 49	13° 4'00	0ഇ31	13° 2	6°35	7° 1	15°31	15°54	3°26	21° 9	7° 6	0°43	29° 9	1°15	25°34	W 6
T 7	23 2 46	14° 2'09	12°22	12° 6	7°50	7°39	15°36	15°59	3°25	21°11	7° 5	0°45	29° 6	1°22	25°35	T 7
F 8	23 6 42	15° 0'20	24° 9	11°11	9° 4	8°18	15°41	16° 3	3°23	21°13	7° 4	0°46	29° 3	1°28	25°35	F 8
S 9	23 10 39	15°58'33	5 Ω 56	10°21	10°19	8°57	15°46	16° 8	3°22	21°15	7° 4	0°R46	29° 0	1°35	25°36	S 9
S 10	23 14 35	16°56'48	17°48	9°35	11°33	9°36	15°51	16°12	3°20	21°17	7° 3	0°44	28°56	1°42	25°37	S 10
M11	23 18 32	17°55'05	29°47	8°54	12°47	10°15	15°56	16°17	3°19	21°20	7° 2	0°40	28°53	1°48	25°38	M11
T 12	23 22 28	18°53'23	11 m 55	8°21	14° 2	10°54	16° 1	16°22	3°17	21°22	7° 2	0°35	28°50	1°55	25°39	T 12
W13	23 26 25	19°51'44	24°15	7°56	15°17	11°33	16° 7	16°27	3°16	21°24	7° 1	0°27	28°47	2° 1	25°41	W13
T 14	23 30 22	20°50'06	6 ₽ 47	7°38	16°31	12°12	16°13	16°32	3°14	21°26	7° 0	0°18	28°44	2° 8	25°42	T 14
F 15	23 34 18	21°48'29	19°32	7°D30	17°46	12°51	16°18	16°37	3°13	21°29	7° 0	0° 9	28°41	2°15	25°43	F 15
S 16	23 38 15	22°46'55	2 M 30	7°31	19° 0	13°31	16°24	16°42	3°11	21°31	6°59	29 궁 59	28°37	2°21	25°45	S 16
S 17	23 42 11	23°45'22	15°40	7°41	20°15	14°10	16°31	16°47	3° 9	21°33	6°58	29°53	28°34	2°28	25°47	S 17
M18	23 46 8	24°43'51	29° 2	8° 1	21°29	14°49	16°37	16°52	3° 8	21°35	6°57	29°48	28°31	2°35	25°48	M18
T 19	23 50 4	25°42'22	12 × 37	8°29	22°44	15°29	16°43	16°58	3° 6	21°37	6°56	29°45	28°28	2°41	25°50	T 19
W20	23 54 1	26°40'54	26°26	9° 7	23°59	16° 8	16°50	17° 3	3° 4	21°40	6°56	29°D44	28°25	2°48	25°52	W20
T 21	23 57 57	27°39'28	10 궁 28	9°53	25°13	16°47	16°57	17° 8	3° 2	21°42	6°55	29°44	28°21	2°55	25°54	T 21
F 22	0 1 54	28°38'04	24°43	10°47	26°28	17°27	17° 4	17°14	3° 0	21°44	6°54	29°R45	28°18	3° 1	25°56	F 22
S 23	0 5 51	29°36'41	9 ≈ 10	11°49	27°43	18° 7	17°11	17°20	2°58	21°46	6°53	29°45	28°15	3° 8	25°58	S 23
S 24	0 9 47	0 ≏ 35'20	23°44	12°57	28°58	18°46	17°18	17°25	2°56	21°49	6°52	29°43	28°12	3°15	26° 0	S 24
M25	0 13 44	1°34'00	8 ∺ 23	14°12	0 ჲ 12	19°26	17°25	17°31	2°54	21°51	6°51	29°38	28° 9	3°21	26° 2	M25
T 26	0 17 40	2°32'42	22°58	15°33	1°27	20° 5	17°33	17°36	2°52	21°53	6°50	29°31	28° 6	3°28	26° 5	T 26
W27	0 21 37	3°31'26	7 Υ 24	16°58	2°42	20°45	17°40	17°42	2°50	21°55	6°50	29°22	28° 2	3°34	26° 7	W27
T 28	0 25 33	4°30'13	21°33	18°28	3°57	21°25	17°48	17°48	2°48	21°57	6°49	29°11	27°59	3°41	26°10	T 28
F 29	0 29 30	5°29'01	5821	20° 2	5°11	22° 5	17°56	17°54	2°46	21°59	6°48	29° 1	27°56	3°48	26°12	F 29
S 30	0 33 26	6 ₽ 27'51	18 8 45	21 m/39	6 ₽ 26	22 ≏ 45	18 × 4	18 M 0	2 8 44	22 mg 2	6 8 47	28 궁 51	27 云 53	3 Ω 54	26 × 15	S 30

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	decl	decl la	nt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	8n29		5n11	0n44			1n16	0 s 5 6		22 s15	0n22			12n10		4n33					20s16			6n14
S 2	8 7	19 53	5 7	1 7	4 26	12 5	1 17	1 12	0 37	22 15	0 21	14 27	2 9	12 10	0 33	4 33	1 4				20 16			6 13
S 3			4 47	1 34	4 20		1 18	1 27		22 16	0 21	-		12 10		4 32	1 4				20 17			6 13
M 4	7 23		4 14 3 30	2 3 2 3 4	4 12 4 2	11 13 10 47	1 19 1 19	1 43 1 59		22 17 22 17	0 21 0 21	14 30 14 31	2 8 2 8	-	0 33 0 33	4 31 4 30	1 4	2 3			20 18 20 18			6 12 6 12
W 6	6 39	-	2 37	3 7	3 50	10 47	1 20	2 15		22 17	0 21	14 33	2 8		0 33	4 29	1 4				20 18			6 11
T 7	6 17		1 38	3 41	3 37	9 53	1 21	2 31		22 18	0 21		2 8	-	0 33	4 28	1 4				20 20			6 11
F 8	5 54	21 52	0 36	4 15	3 22	9 26	1 22	2 47	0 34	22 19	0 20	14 36	2 7	,	0 33	4 27	1 4				20 20			6 10
S 9	5 32	18 20	0 s28	4 50	3 5	8 58	1 22	3 2	0 33	22 20	0 20	14 37	2 7	12 7	0 33	4 26	1 4	2 6	16 51	19 59	20 21	19 34	17 12	6 10
S 10	5 9	14 3	1 31	5 23	2 48	8 30	1 23	3 18	0 32	22 21	0 20	14 39	2 7	12 6	0 33	4 26	1 4	2 6	16 51	19 59	20 22	19 32	17 12	6 9
M11	4 46		2 30	5 55	2 29	8 2	1 23	3 34		22 21	0 20		2 7			4 25	1 4	2 6	16 51		20 22			6 9
T 12 W13	4 24		3 23	6 25 6 53	2 10	7 34	1 24 1 24	3 50		22 22 22 23	0 20 0 20		2 7		0 33 0 33	4 24 4 23	1 4	2 7	16 51 16 52		20 23 20 24			6 9
T 14	3 38		4 8 4 41	7 17	1 51 1 31	7 6 6 37	1 24	4 6 4 22		22 23	0 20		2 6		0 33	4 23	1 4	2 /	16 52		20 24			6 8
F 15	3 15	, .	5 1	7 39	1 12	6 8	1 25	4 37		22 24	0 19	-	2 6		0 33	4 21	1 4	_	16 52		20 25			6 7
S 16	2 52	17 7	5 6	7 56	0 53	5 39	1 25	4 53	0 29	22 25	0 19	14 49	2 6	12 3	0 33	4 20	1 4	2 9	16 52	20 8	20 26	19 18	17 15	6 7
S 17	2 29	21 13	4 55	8 9	0 34	5 10	1 25	5 9	0 28	22 26	0 19	14 50	2 6	12 2	0 33	4 20	1 4	2 9	16 53	20 10	20 26	19 15	17 16	6 6
M18	2 6	24 17	4 28	8 18	0 17	4 41	1 25	5 25		22 27	0 19	-	2 5	12 2	0 33	4 19	1 4				20 27			6 6
T 19			3 45	8 23	0n 0	4 11	1 25	5 40		22 27	0 19	-	2 5		0 33	4 18	1 4				20 27		17 17	6 5
W20 T 21			2 49	8 24 8 20	0 16	3 41	1 25 1 25	5 56		22 28 22 29	0 18	14 55 14 57		12 1 12 0	0 33 0 33	4 17	1 4				20 28 20 29		17 17	6 5
F 22			1 41 0 27	8 12	0 31 0 44	3 12 2 42	1 25	6 12 6 27		22 29		14 57		11 59		4 16 4 15	1 4				20 29		17 18 17 18	6 4
S 23	0 9		0n50	8 0	0 56	2 12	1 24	6 43		22 31	0 18			11 59		4 14					20 30		17 19	6 4
S 24	0s14	11 38	2 5	7 44	1 7	1 42	1 24	6 58	0 24	22 32	0 18	15 2	2 4	11 58	0 33	4 13	1 4	2 12	16 54	20 12	20 31	18 59	17 19	6 3
M25	0 37		3 11	7 24	1 17	1 12	1 24	7 14			0 18	15 4	2 4		0 33	4 13	1 4				20 31			6 3
T 26	1 1	0n57	4 4	7 1	1 25	0 42	1 23	7 29	0 23	22 33	0 18	15 6	2 4	11 57	0 33	4 12	1 4	2 13	16 54	20 15	20 32	18 54	17 20	6 2
W27	1 24		4 42	6 34	1 33	0 12	1 23	7 45		22 34	0 17		2 4			4 11	1 4				20 33			6 2
T 28	1 47	-	5 1	6 4	1 39	0s19	1 22	8 0		22 35	0 17		2 4			4 10	1 4				20 33			6 1
F 29	2 11		5 1	5 32	1 44	0 49	1 21	8 16		22 36	-	15 11		11 55	0 33	4 9	1 4	-			20 34			6 1
S 30	2 s 3 4	21n58	4n45	4n58	1n48	1 s 1 9	1n21	8 s31	0n21	22 s37	Un17	15 s 1 3	2n 3	11n54	0s33	4n 8	ln 4	2s15	16 s 5 5	20 s23	20 s34	18n44	1/s22	6n 0

 $\label{eq:Julian Day Number = 2489042.5, Delta T = 94.43 sec} \\ Ecliptic obliquity = 23°25'38, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°10'29, Lahiri = 25°17'29 \\$

OCTOBER 2102 00:00 UT

00.0	DEN 21														00.0	0 0.
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	В	N.	S	Ç	Š,	Day
S 1	0 37 23	7 ₽ 26'44	1 Ⅱ 44	23 m/18	7 - 41	23 <u>₽</u> 24	18 × 12	18 M 6	2°R42	22 m) 4	6°R46	28°R44	27 궁 50	4 Ω 1	26 × 18	S 1
M 2	0 41 20	8°25'39	14°20	25° 0	8°56	24° 4	18°21	18°12	2 8 40	22° 6	6 8 45	28 궁 39	27°47	4° 8	26°21	M 2
T 3	0 45 16	9°24'36	26°36	26°43	10°11	24°44	18°29	18°18	2°38	22° 8	6°44	28°36	27°43	4°14	26°24	T 3
W 4	0 49 13	10°23'36	8938	28°28	11°26	25°25	18°37	18°24	2°36	22°10	6°43	28°D36	27°40	4°21	26°27	W 4
T 5	0 53 9	11°22'38	20°29	0 ჲ 14	12°40	26° 5	18°46	18°30	2°33	22°12	6°42	28°36	27°37	4°28	26°30	T 5
F 6	0 57 6	12°21'42	2 Ω 17	2° 0	13°55	26°45	18°55	18°36	2°31	22°15	6°41	28°R36	27°34	4°34	26°33	F 6
S 7	1 1 2	13°20'48	14° 6	3°47	15°10	27°25	19° 4	18°43	2°29	22°17	6°40	28°35	27°31	4°41	26°36	S 7
S 8	1 4 59	14°19'57	26° 1	5°34	16°25	28° 5	19°13	18°49	2°26	22°19	6°39	28°32	27°27	4°48	26°39	S 8
M 9	1 8 55	15°19'07	8MD 6	7°21	17°40	28°46	19°22	18°55	2°24	22°21	6°38	28°26	27°24	4°54	26°43	M 9
T 10	1 12 52	16°18'20	20°25	9° 7	18°55	29°26	19°31	19° 2	2°22	22°23	6°37	28°17	27°21	5° 1	26°46	T 10
W11	1 16 48	17°17'35	2 ≏ 59	10°54	20°10	OM 6	19°41	19° 8	2°20	22°25	6°36	28° 7	27°18	5° 7	26°50	W11
T 12	1 20 45	18°16'53	15°50	12°40	21°25	0°47	19°50	19°15	2°17	22°27	6°35	27°54	27°15	5°14	26°53	T 12
F 13	1 24 42	19°16'12	28°56	14°26	22°40	1°27	20° 0	19°21	2°15	22°29	6°34	27°41	27°12	5°21	26°57	F 13
S 14	1 28 38	20°15'33	12 M .17	16°11	23°55	2° 8	20° 9	19°28	2°12	22°31	6°32	27°28	27° 8	5°27	27° 1	S 14
S 15	1 32 35	21°14'57	25°49	17°56	25°10	2°49	20°19	19°34	2°10	22°33	6°31	27°18	27° 5	5°34	27° 5	S 15
M16	1 36 31	22°14'22	9 .₹ 31	19°40	26°25	3°29	20°29	19°41	2° 8	22°35	6°30	27°10	27° 2	5°41	27° 9	M16
T 17	1 40 28	23°13'49	23°20	21°24	27°40	4°10	20°39	19°47	2° 5	22°37	6°29	27° 5	26°59	5°47	27°13	T 17
W18	1 44 24	24°13'18	7 云 16	23° 7	28°55	4°51	20°49	19°54	2° 3	22°39	6°28	27° 3	26°56	5°54	27°17	W18
T 19	1 48 21	25°12'48	21°17	24°49	0 M _10	5°31	21° 0	20° 1	2° 0	22°41	6°27	27° 2	26°53	6° 1	27°21	T 19
F 20	1 52 18	26°12'21	5≈22	26°30	1°25	6°12	21°10	20° 8	1°58	22°43	6°26	27° 2	26°49	6° 7	27°25	F 20
S 21	1 56 14	27°11'55	19°32	28°11	2°40	6°53	21°20	20°14	1°55	22°45	6°25	27° 1	26°46	6°14	27°29	S 21
S 22	2 0 11	28°11'30	3) €44	29°52	3°55	7°34	21°31	20°21	1°53	22°47	6°24	26°58	26°43	6°21	27°34	S 22
M23	2 4 7	29°11'07	17°57	1 M 31	5°10	8°15	21°41	20°28	1°51	22°49	6°23	26°52	26°40	6°27	27°38	M23
T 24	2 8 4	0 M .10'46	2 Υ 6	3°10	6°25	8°56	21°52	20°35	1°48	22°51	6°21	26°44	26°37	6°34	27°42	T 24
W25	2 12 0	1°10'27	16° 8	4°49	7°40	9°37	22° 3	20°42	1°46	22°52	6°20	26°32	26°33	6°41	27°47	W25
T 26	2 15 57	2°10'10	29°58	6°26	8°55	10°18	22°14	20°49	1°43	22°54	6°19	26°20	26°30	6°47	27°52	T 26
F 27	2 19 53	3° 9'55	13 8 31	8° 4	10°10	11° 0	22°25	20°55	1°41	22°56	6°18	26° 7	26°27	6°54	27°56	F 27
S 28	2 23 50	4° 9'42	26°44	9°40	11°25	11°41	22°36	21° 2	1°38	22°58	6°17	25°56	26°24	7° 0	28° 1	S 28
S 29	2 27 46	5° 9'31	9П37	11°17	12°40	12°22	22°47	21° 9	1°36	23° 0	6°16	25°46	26°21	7° 7	28° 6	S 29
M30	2 31 43	6° 9'22	22°11	12°52	13°55	13° 4	22°58	21°16	1°33	23° 1	6°15	25°39	26°18	7°14	28°10	M30
T 31	2 35 40	7 M 9'15	49526	14 M 27	15 M .10	13 M .45	23 × 10	21 M 23	1 8 31	23 Mg 3	6 8 14	25 云 35	26 궁 14	$7\Omega 20$	28 × 15	T 31

Day	0	D	ğ	·	♂	4	ħ)Å(卉	Р	w v	ţ	ķ
	decl	decl lat	decl lat	decl lat de	el lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl	decl lat
S 1 M 2 T 3 W 4 T 5 F 6	3 20 3 44 4 7 4 30 4 53	24 53 1 44 22 34 0 43 19 19 0s20	4n21 1n51 3 43 1 53 3 2 1 54 2 21 1 54 1 38 1 53 0 55 1 52	3 20 1 17 9 3 3 50 1 16 9 4 4 20 1 15 10	2 0 20 7 0 19 62 0 19 67 0 18 2 0 18	22 39 0 17 22 40 0 16 22 41 0 16 22 42 0 16	15 16 2 3 15 18 2 3 15 20 2 3 15 22 2 3 15 23 2 2	11 51 0 33 11 50 0 33 11 49 0 33	_	2 16 16 55 2 16 16 56 2 17 16 56 2 17 16 56 2 18 16 56	20 s24 20 s3: 20 25 20 36 20 26 20 36 20 26 20 36 20 26 20 36 20 26 20 36	6 18 40 6 18 37 7 18 35 8 18 32 8 18 30	17 23 6 0 17 24 5 59 17 24 5 59 17 25 5 58 17 25 5 58
S 7 S 8 M 9 T 10 W11 T 12 F 13 S 14	5 39 6 2 6 25 6 47 7 10	10 39 2 20 5 32 3 13 0 9 3 58 5 s 21 4 33 10 45 4 54 15 46 5 0	1 19 1 45 2 4 1 41 2 49 1 37	4 50 1 14 10 5 20 1 13 10 5 50 1 11 10 6 19 1 10 11 6 49 1 9 11 7 18 1 7 11 7 48 1 6 11 8 17 1 4 12	12 0 16 17 0 16 2 0 15 7 0 15 11 0 14 16 0 13	22 44 0 16 22 44 0 16 22 45 0 16 22 46 0 15 22 47 0 15 22 48 0 15	15 27 2 2 15 29 2 2 15 31 2 2 15 33 2 2 15 35 2 2 15 36 2 1	11 48 0 33 11 47 0 33 11 46 0 33 11 45 0 33 11 44 0 33 11 44 0 33 11 43 0 33	4 1 1 4	2 19 16 56 2 19 16 56 2 19 16 56 2 20 16 57 2 20 16 57 2 21 16 57	20 26 20 39 20 27 20 40 20 28 20 40 20 30 20 4 20 32 20 4 20 34 20 49 20 37 20 49 20 39 20 49	0 18 25 0 18 23 1 18 20 1 18 18 1 18 18 2 18 15 3 18 13	17 26 5 57 17 27 5 57 17 27 5 56 17 28 5 56 17 28 5 56 17 28 5 55
S 15 M16 T 17 W18 T 19 F 20 S 21	9 1 9 23 9 45	25 32 3 43 26 3 2 48 24 56 1 43 22 15 0 30 18 12 0n44	9 29 0 48		29 0 12 14 0 11 18 0 11 2 0 10 26 0 9	22 54 0 14	15 42 2 1 15 44 2 1 15 46 2 1 15 48 2 1 15 50 2 1	11 42 0 33 11 41 0 33 11 40 0 33 11 40 0 33 11 39 0 33 11 38 0 33 11 37 0 33	3 56 1 4 3 55 1 4 3 55 1 4 3 54 1 4 3 53 1 4 3 52 1 4 3 52 1 4	2 22 16 57 2 22 16 57 2 23 16 57 2 23 16 57 2 23 16 57	20 41 20 44 20 43 20 44 20 44 20 44 20 44 20 44 20 44 20 44 20 44 20 44 20 45 20 45	4 18 5 5 18 3 6 18 0 6 17 58 7 17 55	17 32 5 53
S 22 M23 T 24 W25 T 26 F 27 S 28	12 13 12 34 12 54	1 10 3 55 5n 1 4 33 10 53 4 55 16 7 5 0 20 27 4 47 23 37 4 19	14 47 0s 5	12 28 0 49 14 12 55 0 47 14 13 21 0 45 14 13 47 0 43 14 14 13 0 40 15 14 38 0 38 15	8 0 8 22 0 7 35 0 6 49 0 6 2 0 5 5 0 5	22 56 0 14 22 57 0 14 22 58 0 14 22 59 0 13 22 59 0 13 23 0 0 13	15 55 2 0 15 57 2 0 15 59 2 0 16 1 2 0 16 3 2 0 16 5 2 0	11 36 0 33 11 35 0 33 11 35 0 33 11 34 0 33 11 32 0 33 11 31 0 33	3 51 1 4 3 50 1 4 3 50 1 4 3 49 1 5 3 48 1 5 3 47 1 5	2 25 16 57 2 25 16 57 2 25 16 57 2 26 16 57 2 26 16 57 2 26 16 57	20 45 20 44 20 46 20 44 20 48 20 49 20 50 20 50 20 52 20 5 20 55 20 5 20 57 20 5	9 17 48 9 17 46 0 17 43 1 17 41 1 17 38 2 17 36	17 33 5 52 17 33 5 51 17 34 5 51 17 34 5 51 17 35 5 50 17 35 5 50
S 29 M30 T 31	13 34	25 59 2 47	15 24 0 12 16 0 0 19 16s34 0s26	15 28 0 34 15	2 0 3	23 2 0 13	16 9 2 0	11 30 0 33 11 29 0 33 11n29 0s33	3 46 1 5	2 27 16 57	20 59 20 52 21 0 20 53 21 s 1 20 s54	3 17 30	17 36 5 49

Julian Day Number = 2489072.5, Delta T = 94.47 sec Ecliptic obliquity = 23°25'38, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°10'33, Lahiri = 25°17'34

NOVEMBER 2102 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ)∤(卉	Р	ß	v	Ç	ę k	Day
W 1	2 39 36	8 M 9'11	16927	16M 2	16M25	14 M 26	23 × 21	21 M 30	1°R28	23 m/ 5	6°R12	25°R34	26 궁 11	7Ω 27	28 × 120	W 1
T 2	2 43 33	9° 9'08	28°19	17°36	17°40	15° 8	23°33	21°37	1826	23° 6	6 8 11	25°D33	26° 8	7°34	28°25	T 2
F 3	2 47 29	10° 9'08	10 0 7	19°10	18°55	15°49	23°44	21°45	1°24	23° 8	6°10	25°R34	26° 5	7°40	28°30	F 3
S 4	2 51 26	11° 9'10	21°57	20°43	20°11	16°31	23°56	21°52	1°21	23°10	6° 9	25 る 33	26° 2	7°47	28°35	S 4
S 5	2 55 22	12° 9'14	3 m 53	22°16	21°26	17°13	24° 8	21°59	1°19	23°11	6° 8	25°31	25°58	7°54	28°40	S 5
M 6	2 59 19	13° 9'20	16° 1	23°48	22°41	17°54	24°20	22° 6	1°16	23°13	6° 7	25°26	25°55	8° 0	28°46	M 6
T 7	3 3 15	14° 9'28	28°26	25°20	23°56	18°36	24°31	22°13	1°14	23°14	6° 6	25°19	25°52	8° 7	28°51	T 7
W 8	3 7 12	15° 9'38	11 ≏ 10	26°52	25°11	19°18	24°43	22°20	1°12	23°16	6° 5	25°10	25°49	8°14	28°56	W 8
T 9	3 11 9	16° 9'50	24°15	28°23	26°26	20° 0	24°55	22°27	1° 9	23°18	6° 3	24°58	25°46	8°20	29° 2	T 9
F 10	3 15 5	17°10'04	7 ™ 40	29°54	27°41	20°42	25° 8	22°34	1° 7	23°19	6° 2	24°46	25°43	8°27	29° 7	F 10
S 11	3 19 2	18°10'20	21°24	1 ₹ 24	28°56	21°24	25°20	22°41	1° 5	23°21	6° 1	24°35	25°39	8°34	29°12	S 11
S 12	3 22 58	19°10'38	5 ₹ 22	2°54	0 √ 11	22° 6	25°32	22°49	1° 2	23°22	6° 0	24°26	25°36	8°40	29°18	S 12
M13	3 26 55	20°10'57	19°30	4°24	1°26	22°48	25°44	22°56	1° 0	23°23	5°59	24°18	25°33	8°47	29°23	M13
T 14	3 30 51	21°11'18	3 ⋜ 44	5°53	2°42	23°30	25°57	23° 3	0°58	23°25	5°58	24°14	25°30	8°53	29°29	T 14
W15	3 34 48	22°11'40	17°59	7°22	3°57	24°12	26° 9	23°10	0°56	23°26	5°57	24°D12	25°27	9° 0	29°35	W15
T 16	3 38 44	23°12'04	2≈13	8°50	5°12	24°54	26°22	23°17	0°53	23°27	5°56	24°12	25°24	9° 7	29°40	T 16
F 17	3 42 41	24°12'29	16°22	10°18	6°27	25°37	26°34	23°24	0°51	23°29	5°55	24°13	25°20	9°13	29°46	F 17
S 18	3 46 38	25°12'56	0 ∺ 27	11°45	7°42	26°19	26°47	23°32	0°49	23°30	5°54	24°R13	25°17	9°20	29°52	S 18
S 19	3 50 34	26°13'23	14°26	13°12	8°57	27° 1	26°59	23°39	0°47	23°31	5°53	24°12	25°14	9°27	29°58	S 19
M20	3 54 31	27°13'52	28°18	14°38	10°12	27°44	27°12	23°46	0°45	23°32	5°52	24° 8	25°11	9°33	0중 3	M20
T 21	3 58 27	28°14'22	12 Y 2	16° 4	11°27	28°26	27°25	23°53	0°43	23°34	5°50	24° 1	25° 8	9°40	0° 9	T 21
W22	4 2 24	29°14'54	25°37	17°29	12°42	29° 9	27°38	24° 0	0°40	23°35	5°49	23°53	25° 4	9°47	0°15	W22
T 23	4 6 20	0 ₮ 15'26	9 8 1	18°53	13°58	29°51	27°51	24° 7	0°38	23°36	5°48	23°44	25° 1	9°53	0°21	T 23
F 24	4 10 17	1°16'01	22°11	20°16	15°13	0 , ₹34	28° 4	24°15	0°36	23°37	5°47	23°34	24°58	10° 0	0°27	F 24
S 25	4 14 13	2°16'36	5 I I 6	21°38	16°28	1°17	28°17	24°22	0°34	23°38	5°46	23°25	24°55	10° 7	0°33	S 25
S 26	4 18 10	3°17'14	17°45	22°59	17°43	1°59	28°30	24°29	0°32	23°39	5°45	23°18	24°52	10°13	0°39	S 26
M27	4 22 7	4°17'52	0ഇ10	24°18	18°58	2°42	28°43	24°36	0°30	23°40	5°44	23°13	24°49	10°20	0°45	M27
T 28	4 26 3	5°18'33	12°20	25°37	20°13	3°25	28°56	24°43	0°29	23°41	5°43	23°10	24°45	10°27	0°51	T 28
W29	4 30 0	6°19'14	24°19	26°53	21°28	4° 8	29° 9	24°50	0°27	23°42	5°43	23°D 9	2 <u>4</u> °42	10°33	<u>0°57</u>	W29
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S 19 M20 T 21 W22 T 23 F 24 S 25	19 18 19 32 19 45 19 59 20 12 20 24	2 30 3 56 3n32 4 35 9 20 4 59 14 38 5 5 19 9 4 55 22 38 4 29	24 33 24 47 24 59 25 11 25 21 25 29 25 37	2 12 22 0 2 15 22 14 2 18 22 27 2 21 22 39 2 24 22 51 2 26 23 2 2 27 23 13	0 14 19 3 0 16 19 4 0 19 19 5	7 0 8 7 0 9 8 0 10 7 0 10 7 0 11	23 13 23 13 23 14 23 14 23 14 23 15 23 15	0 11 0 10 0 10 0 10 0 10 0 10	16 46 16 47 16 49	1 59 1 59 1 59 1 59 1 59	11 14 11 13 11 12 11 11 11 11 11 10	0 33 0 33 0 33 0 33 0 33 0 33	3 34 1 3 34 1 3 33 1 3 33 1 3 33 1 3 32 1	5 2 3 5 2 3 6 2 3 6 2 3 6 2 3	12 16 56 3 16 56 3 16 55 3 16 55 3 16 55 3 16 55 3 16 55	21 16 21 16 21 18 21 19 21 21 21 22	21 5 21 5 21 6 21 6 21 7 21 8	16 40 16 37 16 34	17 41 17 41 17 42 17 42 17 42 17 42	5 44 5 44 5 44 5 44 5 44 5 44
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Julian Day Number = 2489103.5, Delta T = 94.51 sec Ecliptic obliquity = $23^{\circ}25'37$, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}10'37$, Lahiri = $25^{\circ}17'38$

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W 6	4 57 36	13°24'47	18°58	4°35	0 궁 14	9° 9	0°42	25°39	0°15	23°48	5°36	23° 5	24°20	11°20	1°41	W 6
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F 8	5 5 29	15°26'35	15°41	6°11	2°44	10°36	1° 9	25°53	0°12	23°49	5°34	22°53	24°14	11°33	1°53	F 8
S 9	5 9 25	16°27'31	29°39	6°49	3°59	11°19	1°23	26° 0	0°10	23°50	5°34	22°47	24°10	11°40	2° 0	S 9
S 10	5 13 22	17°28'28	13 ×7 57	7°20	5°14	12° 3	1°36	26° 7	0° 9	23°50	5°33	22°41	24° 7	11°46	2° 6	S 10
M11	5 17 18	18°29'26	28°30	7°43	6°29	12°46	1°50	26°14	0° 7	23°51	5°32	22°38	24° 4	11°53	2°12	M11
T 12	5 21 15	19°30'25	13 る 11	7°57	7°44	13°30	2° 3	26°20	0° 6	23°51	5°31	22°36	24° 1	12° 0	2°19	T 12
W13	5 25 12	20°31'25	27°53	8°R 1	8°59	14°13	2°17	26°27	0° 5	23°52	5°31	22°D36	23°58	12° 6	2°25	W13
T 14	5 29 8	21°32'25	12≈31	7°55	10°14	14°57	2°31	26°34	0° 3	23°52	5°30	22°37	23°55	12°13	2°32	T 14
F 15	5 33 5	22°33'26	26°58	7°38	11°29	15°41	2°44	26°41	0° 2	23°53	5°29	22°38	23°51	12°20	2°38	F 15
S 16	5 37 1	23°34'27	11 米 13	7° 9	12°44	16°24	2°58	26°47	0° 1	23°53	5°28	22°39	23°48	12°26	2°45	S 16
S 17	5 40 58	24°35'29	25°12	6°29	13°59	17° 8	3°12	26°54	29 Y 59	23°53	5°28	22°R40	23°45	12°33	2°51	S 17
M18	5 44 54	25°36'31	8 Y 56	5°37	15°14	17°52	3°25	27° 1	29°59	23°54	5°27	22°39	23°42	12°40	2°57	M18
T 19	5 48 51	26°37'33	22°25	4°35	16°29	18°36	3°39	27° 7	29°58	23°54	5°26	22°37	23°39	12°46	3° 4	T 19
W20	5 52 47	27°38'36	5 8 39	3°25	17°44	19°20	3°53	27°14	29°57	23°54	5°26	22°34	23°36	12°53	3°10	W20
T 21	5 56 44	28°39'40	18°39	2° 8	18°59	20° 4	4° 6	27°20	29°56	23°54	5°25	22°30	23°32	13° 0	3°17	T 21
F 22	6 0 41	29°40'44	1Д26	0°46	20°14	20°48	4°20	27°27	29°55	23°55	5°24	22°26	23°29	13° 6	3°23	F 22
S 23	6 4 37	0 궁 41'48	14° 0	29 × 124	21°29	21°32	4°34	27°33	29°54	23°55	5°24	22°23	23°26	13°13	3°30	S 23
S 24	6 8 34	1°42'53	26°22	28° 2	22°44	22°16	4°48	27°39	29°53	23°55	5°23	22°20	23°23	13°20	3°36	S 24
M25	6 12 30	2°43'58	8933	26°44	23°59	23° 0	5° 2	27°46	29°52	23°55	5°23	22°18	23°20	13°26	3°43	M25
T 26	6 16 27	3°45'04	20°35	25°33	25°14	23°44	5°15	27°52	29°52	23°55	5°22	22°D18	23°16	13°33	3°49	T 26
W27	6 20 23	4°46'10	2 Ω 30	24°30	26°29	24°28	5°29	27°58	29°51	23°R55	5°22	22°18	23°13	13°40	3°56	W27
T 28	6 24 20	5°47'17	14°19	23°36	27°44	25°13	5°43	28° 4	29°50	23°55	5°21	22°19	23°10	13°46	4° 2	T 28
F 29	6 28 16	6°48'24	26° 7	22°52	28°59	25°57	5°57	28°11	29°50	23°55	5°21	22°20	23° 7	13°53	4° 9	F 29
S 30	6 32 13	7°49'31	7 m 56	22°19	0≈14	26°41	6°10	28°17	29°49	23°55	5°20	22°22	23° 4	13°59	4°15	S 30
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S 10 M11 T 12 W13 T 14 F 15 S 16	22 50 22 56	25 42 3 15 25 33 2 8 23 38 0 51 20 6 0n29 15 20 1 47 9 44 2 57	24 44 24 30 24 16	1 30 24 21 1 1 18 24 20 1 1 5 24 18 1 0 51 24 15 1 0 35 24 12 1 0 17 24 7 1	2 22 34 0 2 4 22 40 0 2 6 22 46 0 2 8 22 52 0 2 10 22 58 0 2 12 23 3 0 24	2 23 17 0 8 2 23 17 0 8 2 23 17 0 8 2 23 16 0 8 3 23 16 0 8 3 23 16 0 8 4 23 16 0 8 5 23 16 0 8	17 21 1 59 17 22 1 59 17 24 1 59 17 25 1 59 17 27 1 59 17 28 1 59	11 1 0 32 11 0 0 32 11 0 0 32 10 59 0 32	3 28 1 6 3 28 1 6 3 27 1 6 3 27 1 6 3 27 1 7 3 27 1 7	2 35 16 52 2 35 16 51 2 35 16 51 2 35 16 51 2 35 16 51 2 34 16 50	21 30 21 1 21 32 21 1	7 15 45 7 15 42 8 15 39 8 15 37 9 15 34 9 15 31	17 42 5 42 17 42 5 42
S 17 M18 T 19 W20 T 21 F 22 S 23	23 19 23 21 23 23 23 24 23 25 23 26	2n22 4 39 8 13 5 5 13 34 5 14 18 12 5 6 21 53 4 42 24 26 4 5	22 56 22 39 22 21 22 3 21 45 21 28 21 12	0 20 23 56 1 0 40 23 50 1 1 0 23 42 1 1 20 23 34 1 1 39 23 26 1 1 57 23 16 1	15 23 13 0 25 17 23 18 0 26 18 23 22 0 26 20 23 27 0 27 22 23 31 0 27 23 23 34 0 28		17 31 1 59 17 33 1 59 17 34 1 59 17 36 1 59 17 37 1 59 17 39 1 59	10 58 0 32	3 27 1 7 3 27 1 7 3 27 1 7 3 27 1 7 3 26 1 7 3 26 1 7	2 34 16 50 2 34 16 50 2 34 16 49 2 34 16 49 2 34 16 48 2 34 16 48	21 31 21 2 21 31 21 2 21 32 21 2 21 32 21 2 21 32 21 2 21 33 21 2 21 34 21 2	0 15 26 1 15 23 1 15 21 2 15 18 3 15 15 3 15 13	17 42 5 42 17 41 5 42
W27 T 28 F 29 S 30	23 24 23 22 23 20	24 24 1 15 22 0 0 9 18 41 0s56 14 38 1 59 10 2 2 57 5 5 3 47	20 7	2 40 22 44 1 2 50 22 32 1 2 57 22 19 1 3 2 22 5 1 3 5 21 51 1 3 6 21 36 1	27 23 44 0 36 28 23 47 0 36 30 23 50 0 3 31 23 52 0 32 32 23 54 0 32 33 23 56 0 33	0 23 13 0 7 0 23 12 0 7 1 23 12 0 7 2 23 11 0 7 2 23 11 0 7 3 23 10 0 7	17 43 2 0 17 44 2 0 17 45 2 0 17 46 2 0 17 48 2 0 17 49 2 0	10 56 0 32 10 55 0 32	3 26 1 7 3 27 1 7	2 34 16 47 2 34 16 47 2 33 16 47 2 33 16 46 2 33 16 46	21 35 21 2 21 34 21 2 21 34 21 2	5 15 5 5 15 2 6 14 59 6 14 57 7 14 54 7 14 51	17 39 5 43 17 39 5 43 17 39 5 43

Julian Day Number = 2489133.5, Delta T = 94.55 sec Ecliptic obliquity = $23^{\circ}25'37$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}10'41$, Lahiri = $25^{\circ}17'42$