

Astrodienst Ephemeris Tables for the year 1828

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 1828 00:00 UT

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Day	Sid.t	0	D	ğ	Q.	ď	4	ħ)∤(¥	Р	n	Ω	Ç	ę,	Day
T 1	6 38 32	9 ට 37'13	26耳 3	21 🗷 2	0≈32	7 M 47	9 M 25	17°R23	27石12	15 る 40	4 Υ 24	3°R 7	1 M .44	14937	24°R31	T 1
W 2	6 42 28	10°38'21	7956	22°27	1°47	8°23	9°35	179518	27°16	15°42	4°24	2 M .55	1°41	14°43	24 Y 31	W 2
T 3	6 46 25	11°39'30	19°48	23°52	3° 2	8°59	9°44	17°13	27°19	15°44	4°24	2°41	1°38	14°50	24°31	T 3
F 4	6 50 22	12°40'39	1 Ω 41	25°19	4°17	9°36	9°53	17° 8	27°23	15°46	4°25	2°27	1°35	14°57	24°31	F 4
S 5	6 54 18	13°41'47	13°36	26°46	5°32	10°12	10° 2	17° 3	27°26	15°49	4°25	2°14	1°32	15° 4	24°D31	S 5
S 6	6 58 15	14°42'56	25°35	28°13	6°47	10°48	10°10	16°58	27°29	15°51	4°25	2° 3	1°29	15°10	24°31	S 6
M 7	7 2 11	15°44'05	7 m)41	29°42	8° 2	11°24	10°19	16°54	27°33	15°53	4°26	1°54	1°25	15°17	24°31	M 7
T 8	7 6 8	16°45'13	19°55	1511	9°16	12° 0	10°28	16°49	27°36	15°56	4°26	1°49	1°22	15°24	24°31	T 8
W 9	7 10 4	17°46'22	2 ≏ 22	2°40	10°31	12°36	10°36	16°44	27°40	15°58	4°27	1°46	1°19	15°31	24°31	W 9
T 10	7 14 1	18°47'30	15° 7	4°10	11°46	13°12	10°44	16°39	27°43	16° 0	4°27	1°D45	1°16	15°37	24°31	T 10
F 11	7 17 57	19°48'39	28°13	5°40	13° 1	13°48	10°53	16°34	27°47	16° 2	4°28	1°R45	1°13	15°44	24°32	F 11
S 12	7 21 54	20°49'47	11 M .44	7°11	14°16	14°24	11° 1	16°29	27°50	16° 5	4°28	1°44	1°10	15°51	24°32	S 12
S 13	7 25 51	21°50'55	25°43	8°43	15°30	15° 0	11° 9	16°24	27°54	16° 7	4°29	1°43	1° 6	15°57	24°33	S 13
M14	7 29 47	22°52'04	10 才 10	10°15	16°45	15°36	11°16	16°19	27°57	16° 9	4°29	1°38	1° 3	16° 4	24°33	M14
T 15	7 33 44	23°53'12	25° 2	11°47	18° 0	16°11	11°24	16°14	28° 1	16°11	4°30	1°31	1° 0	16°11	24°34	T 15
W16	7 37 40	24°54'19	10 궁 14	13°20	19°15	16°47	11°31	16° 9	28° 5	16°14	4°31	1°21	0°57	16°18	24°34	W16
T 17	7 41 37	25°55'27	25°35	14°54	20°29	17°23	11°39	16° 4	28° 8	16°16	4°31	1°10	0°54	16°24	24°35	T 17
F 18	7 45 33	26°56'33	10≈53	16°28	21°44	17°59	11°46	15°59	28°12	16°18	4°32	0°58	0°50	16°31	24°36	F 18
S 19	7 49 30	27°57'39	25°57	18° 3	22°59	18°34	11°53	15°55	28°15	16°20	4°33	0°47	0°47	16°38	24°36	S 19
S 20	7 53 26	28°58'44	10) €38	19°38	24°13	19°10	12° 0	15°50	28°19	16°23	4°33	0°39	0°44	16°44	24°37	S 20
M21	7 57 23	29°59'48	24°50	21°14	25°28	19°45	12° 7	15°45	28°22	16°25	4°34	0°33	0°41	16°51	24°38	M21
T 22	8 1 20	1≈ 0'51	8 Υ 32	22°50	26°42	20°21	12°14	15°40	28°26	16°27	4°35	0°30	0°38	16°58	24°39	T 22
W23	8 5 16	2° 1'53	21°44	24°27	27°57	20°56	12°20	15°36	28°29	16°29	4°36	0°29	0°35	17° 5	24°40	W23
T 24	8 9 13	3° 2'54	4 8 31	26° 5	29°11	21°32	12°26	15°31	28°33	16°32	4°36	0°29	0°31	17°11	24°41	T 24
F 25	8 13 9	4° 3'53	16°58	27°43	0 ∺ 26	22° 7	12°33	15°27	28°36	16°34	4°37	0°28	0°28	17°18	24°42	F 25
S 26	8 17 6	5° 4'52	29° 8	29°21	1°40	22°42	12°39	15°22	28°40	16°36	4°38	0°26	0°25	17°25	24°44	S 26
S 27	8 21 2	6° 5'50	11 II 8	1≈ 1	2°55	23°17	12°45	15°18	28°43	16°38	4°39	0°22	0°22	17°31	24°45	S 27
M28	8 24 59	7° 6'46	23° 2	2°41	4° 9	23°52	12°50	15°13	28°47	16°40	4°40	0°15	0°19	17°38	24°46	M28
T 29	8 28 55	8° 7'41	4953	4°22	5°23	24°28	12°56	15° 9	28°50	16°42	4°41	0° 5	0°16	17°45	24°47	T 29
W30	8 32 52	9° 8'35	16°44	6° 3	6°38	25° 3	13° 1	15° 4	28°54	16°45	4°42	29 ≙ 52	0°12	17°52	24°49	W30
T 31	8 36 49	10≈ 9'28	28938	7≈46	7 ∺ 52	25 M 38	13 M 7	1599 0	28 궁 57	16 පි 47	4 Υ42	29 ჲ 38	OM 9	179558	24 Y 50	T 31

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T 1 W 2	23 s 7 23 2	18 40	4 33	22 s42 22 55	0 20	21 s33 21 17	1 33	13 s 4 13 16	1 6	13 s34 13 37	1 8	22n 3 22 4	0 16	21 s15 21 14	0 31	21 s50 21 50	0 42	13 36	16 45	12 30	12 4	17n46 17 45	9n35 9 35	0n 4 0 4
T 3 F 4 S 5	22 57 22 51 22 45	14 54	-	23 7 23 19 23 29	0 4	21 1 20 44 20 26	1 34	13 28 13 40 13 52	1 5	13 40 13 42 13 45	1 8	22 5 22 5 22 6	0 16	21 13 21 13 21 12	0 31	21 50 21 50 21 49	0 42	13 35 13 35 13 34	16 44	12 20	12 2	17 44 17 43 17 42	9 34 9 34 9 34	0 4 0 4 0 4
S 6 M 7 T 8 W 9	22 39 22 32 22 24 22 17	8 40 4 54 0 54	4 36 4 5	23 38 23 46 23 52		20 8 19 49 19 30	1 35 1 36 1 36	14 3 14 15	1 5 1 4 1 4	13 48 13 50 13 53	1 9 1 9 1 9	22 7 22 8 22 8	0 16 0 16 0 16	21 11 21 11 21 10	0 31 0 31 0 31	21 49 21 49 21 49 21 48	0 42 0 42 0 42	13 34 13 33 13 33	16 43 16 43 16 43	12 12 12 9 12 7	12 0 11 59 11 58	17 41 17 40 17 39 17 38	9 34 9 34 9 34 9 34	0 4 0 4 0 4 0 4
T 10 F 11 S 12	22 8 22 0 21 51	7 18 11 8 14 32	1 27 0 19 0n53	24 2 24 6 24 8	0 39 0 45 0 52	18 50 18 29 18 7	1 37 1 37 1 38	14 48 14 59 15 10	1 3 1 3 1 3	13 58 14 0 14 3	1 9 1 9 1 9	22 10 22 11 22 11	0 16 0 15 0 15	21 9 21 8 21 7	0 31 0 31 0 31	21 48 21 48 21 48	0 42 0 42 0 42	13 32 13 31 13 31	16 42 16 42 16 41	12 5 12 5 12 5	11 55 11 54 11 53	17 37 17 36 17 35	9 34 9 34 9 34	0 4 0 4 0 4
W16 T 17 F 18	21 41 21 31 21 21 21 10 20 59 20 47	18 53 19 20 18 24 16 9 12 46	3 8 4 2 4 40 4 59 4 56	23 57 23 51	1 4 1 10 1 15 1 20 1 25	17 0 16 37 16 13 15 48	1 38 1 38 1 38 1 38 1 37	15 21 15 32 15 43 15 53 16 4 16 14	1 2 1 2 1 1 1 1 1 1	14 5 14 7 14 9 14 12 14 14 14 16	1 10 1 10 1 10 1 10 1 10	22 12 22 13 22 13 22 14 22 15 22 15	0 15 0 15 0 15 0 15 0 15	21 6 21 5 21 4 21 4 21 3	0 31 0 31 0 31 0 31 0 31	21 47 21 47 21 47 21 47 21 46 21 46	0 42 0 42 0 42 0 42 0 42	13 29 13 28 13 27	16 41 16 40 16 40 16 39 16 39	12 3 12 1 11 57 11 53 11 49	11 51 11 50 11 49 11 48 11 47	17 30 17 29	9 34 9 35 9 35 9 35 9 35	0 3 0 3 0 3 0 3 0 3
S 19 S 20 M21 T 22 W23 T 24 F 25		4 1 0n39 5 7 9 11 12 42 15 32	3 51 2 56 1 53 0 46 0 s21 1 26	22 45 22 29	1 35 1 39 1 43 1 47 1 50 1 53	14 59 14 33 14 7 13 41 13 14 12 47	1 37 1 36 1 36 1 35 1 34 1 34	16 24 16 34 16 44 16 54 17 4 17 13 17 23	1 0 0 59 0 59 0 59 0 58 0 58	14 18 14 20 14 22 14 23 14 25 14 27 14 29	1 11 1 11 1 11 1 11 1 11 1 11	22 16 22 17 22 17 22 18 22 19 22 19 22 20	0 14 0 14 0 14 0 14 0 14 0 14	21 2 21 1 21 0 21 0 20 59 20 58	0 31 0 31 0 31 0 31 0 31 0 31	21 46 21 45 21 45 21 45 21 45 21 44 21 44	0 42 0 42 0 42 0 42 0 42 0 42	13 26 13 26 13 25 13 25 13 24 13 23	16 39 16 38 16 38 16 38 16 37 16 37	11 42 11 40 11 39 11 39 11 39 11 39	11 44 11 43 11 42 11 41 11 40 11 39	17 23 17 22	9 35 9 35 9 36 9 36 9 37 9 37	0 3 0 3 0 3 0 3 0 3 0 3
S 26 S 27 M28 T 29 W30 T 31	18 46 18 31 18 15 17 59	18 53 19 17 18 51 17 35	3 17 4 0 4 32 4 52	22 11 21 52 21 32 21 9 20 46 20 s21	1 58 2 0 2 2 2 3	10 56 10 28	1 32 1 31 1 30 1 29		0 57 0 56 0 56 0 55	14 30 14 32 14 34 14 35 14 37 14 s38	1 12 1 12 1 12 1 12	22 21 22 21 22 22 22 23 22 23 22n24	0 14 0 14 0 13 0 13	20 57 20 57 20 56 20 55 20 55 20 55	0 31 0 31 0 31 0 31	21 44 21 43 21 43 21 43 21 43 21 s43	0 42 0 42 0 42 0 42	13 22 13 21 13 20	16 36 16 36 16 36 16 35	11 37 11 34 11 31 11 26	11 37 11 35 11 34 11 33	17 20 17 19 17 18	9 37 9 38 9 38 9 39 9 39 9n39	0 2 0 2 0 2 0 2 0 2 0 2 0n 2

Julian Day Number = 2388722.5, Delta T = 12.04 sec Ecliptic obliquity = 23°27'33, Nutation = 0°00'10, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°20'19, Lahiri = 21°27'19

FEBRUARY 1828 00:00 UT

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F 1	8 40 45	11≈10'20	10€35	9≈29	9) 6	26 M 13	13 M .12	14°R56	29ට 1	16 ට 49	4 Υ 4 3	29°R23	OM 6	1895 5	24 Y 52	F 1
S 2	8 44 42	12°11'10	22°37	11°12	10°20	26°47	13°17	14952	29° 4	16°51	4°44	29 으 9	0° 3	18°12	24°53	S 2
S 3	8 48 38	13°12'00	4 m/ 45	12°57	11°34	27°22	13°22	14°48	29° 8	16°53	4°45	28°57	29 ₽ 59	18°19	24°55	S 3
M 4	8 52 35	14°12'48	17° 0	14°42	12°48	27°57	13°26	14°44	29°11	16°55	4°46	28°47	29°56	18°25	24°57	M 4
T 5	8 56 31	15°13'35	29°24	16°27	14° 2	28°32	13°31	14°40	29°15	16°57	4°47	28°41	29°53	18°32	24°58	T 5
W 6	9 0 28	16°14'22	11 ≏ 59	18°14	15°16	29° 6	13°35	14°36	29°18	16°59	4°48	28°38	29°50	18°39	25° 0	W 6
T 7	9 4 24	17°15'07	24°47	20° 1	16°30	29°41	13°39	14°32	29°21	17° 1	4°49	28°D36	29°47	18°45	25° 2	T 7
F 8	9 8 21	18°15'51	7 M .52	21°49	17°44	0 ∡ 15	13°43	14°29	29°25	17° 3	4°51	28°36	29°44	18°52	25° 4	F 8
S 9	9 12 18	19°16'34	21°17	23°37	18°58	0°50	13°47	14°25	29°28	17° 5	4°52	28°R37	29°41	18°59	25° 6	S 9
S 10	9 16 14	20°17'17	5 ₹ 5	25°26	20°12	1°24	13°50	14°21	29°32	17° 7	4°53	28°36	29°37	19° 6	25° 8	S 10
M11	9 20 11	21°17'58	19°16	27°16	21°25	1°58	13°54	14°18	29°35	17° 9	4°54	28°33	29°34	19°12	25°10	M11
T 12	9 24 7	22°18'38	3 ට 51	29° 6	22°39	2°33	13°57	14°15	29°38	17°11	4°55	28°27	29°31	19°19	25°12	T 12
W13	9 28 4	23°19'17	18°44	0) ₹56	23°53	3° 7	14° 0	14°11	29°42	17°13	4°56	28°19	29°28	19°26	25°14	W13
T 14	9 32 0	24°19'55	3≈48	2°46	25° 6	3°41	14° 3	14° 8	29°45	17°15	4°57	28°10	29°25	19°32	25°16	T 14
F 15	9 35 57	25°20'31	18°55	4°37	26°20	4°15	14° 6	14° 5	29°48	17°17	4°58	28° 0	29°22	19°39	25°19	F 15
S 16	9 39 53	26°21'06	3) €54	6°27	27°34	4°49	14° 8	14° 2	29°51	17°19	5° 0	27°50	29°18	19°46	25°21	S 16
S 17	9 43 50	27°21'39	18°34	8°17	28°47	5°23	14°11	13°59	29°55	17°21	5° 1	27°43	29°15	19°53	25°23	S 17
M18	9 47 47	28°22'10	2 Υ 51	10° 6	0Υ 0	5°56	14°13	13°56	29°58	17°23	5° 2	27°38	29°12	19°59	25°26	M18
T 19	9 51 43	29°22'40	16°39	11°54	1°14	6°30	14°15	13°53	0≈ 1	17°24	5° 3	27°35	29° 9	20° 6	25°28	T 19
W20	9 55 40	0 ∺ 23'08	29°59	13°41	2°27	7° 4	14°17	13°51	0° 4	17°26	5° 4	27°D34	29° 6	20°13	25°30	W20
T 21	9 59 36	1°23'33	12853	15°26	3°40	7°37	14°18	13°48	0° 7	17°28	5° 6	27°35	29° 2	20°19	25°33	T 21
F 22	10 3 33	2°23'58	25°25	17° 9	4°53	8°10	14°20	13°46	0°10	17°30	5° 7	27°36	28°59	20°26	25°35	F 22
S 23	10 7 29	3°24'20	7 Ⅱ 39	18°50	6° 7	8°44	14°21	13°44	0°14	17°31	5° 8	27°R36	28°56	20°33	25°38	S 23
S 24	10 11 26	4°24'40	19°40	20°27	7°20	9°17	14°22	13°41	0°17	17°33	5°10	27°35	28°53	20°40	25°41	S 24
M25	10 15 22	5°24'58	19534	22° 1	8°33	9°50	14°23	13°39	0°20	17°35	5°11	27°31	28°50	20°46	25°43	M25
T 26	10 19 19	6°25'14	13°25	23°30	9°46	10°23	14°24	13°37	0°23	17°37	5°12	27°25	28°47	20°53	25°46	T 26
W27	10 23 16	7°25'29	25°17	24°54	10°58	10°56	14°24	13°35	0°26	17°38	5°13	27°17	28°43	21° 0	25°49	W27
T 28	10 27 12	8°25'41	7 Ω 13	26°13	12°11	11°29	14°24	13°33	0°29	17°40	5°15	27° 8	28°40	21° 7	25°52	T 28
F 29	10 31 9	9 米 25'51	19 Ω 15	27) (26	13 Y 24	12 × 1	14°R25	13932	0≈32	17 ප 41	5 Υ 16	26 ≏ 59	28 ≏ 37	219513	25 Y 54	F 29

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F 1	17 s26	12n53	4 s 5 4	19s54	2s 5	9s30	1 s26	18 s26		14 s 39		22n24	0s13	20 s53	0s31	21 s42						17n15	9n40	0n 2
S 2	17 9	9 39	4 35	19 26	2 5	9 0	1 25	18 35	0 54	14 41	1 13	22 25	0 13	20 52	0 31	21 42	0 42	13 18	16 35	11 11	11 30	17 14	9 40	0 2
S 3	16 52	5 59	4 4	18 56	2 4	8 31	1 23	18 43		14 42		22 25	0 13	20 52	0 31	21 42	0 42	13 18	16 34	11 7	11 29	17 13	9 41	0 2
M 4	16 35			18 25	2 4	8 1		18 52		14 43		22 26		20 51		21 42		13 17				17 12	9 42	0 2
T 5	16 17	-		17 52	2 2	7 31		19 0		14 44		22 27		20 50		21 41		13 17				17 11	9 42	0 2
W 6	15 59	-		17 17	2 1	7 1	-	19 8		14 46		22 27		20 50		21 41					-	17 10		0 2
T 7	15 41			16 42	1 58	6 31		19 16		14 47		22 28		20 49		21 41		13 15					9 43	0 1
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S 9	15 3	16 12	1 57	15 25	1 52	5 30	1 13	19 32	0 50	14 49	1 14	22 29	0 12	20 48	0 31	21 40	0 42	13 14	16 33	10 59	11 22	17 6	9 44	0 1
S 10	14 44	18 12	3 1	14 45	1 49	4 59	1 11	19 39	0 49	14 49		22 29	0 12	20 47	0 31	21 40		13 13					9 45	0 1
M11	14 25	19 7	3 55	14 4	1 44	4 28	1 9	19 47	0 49	14 50		22 30	0 12	20 46	0 32	21 40	0 42	13 13	16 32	10 58	11 20	17 4	9 46	0 1
T 12	-			13 21	1 39	3 57		19 54		14 51	-	22 30		20 45		21 39		13 12			-		9 47	0 1
	-			12 36	1 33	3 26		20 1		14 52	-	22 31		20 45		21 39	0 42	-			-		9 47	0 1
T 14	13 25		-	11 51	1 27	2 54		20 8		14 53		22 31		20 44		21 39		13 11			-		9 48	0 1
F 15	-		4 43		1 20	2 23		20 15		14 53		22 32		20 43		21 39		13 10					9 49	0 1
S 16	12 45	6 16	4 6	10 17	1 13	1 52	0 58	20 22	0 45	14 54	1 15	22 32	0 11	20 43	0 32	21 38	0 42	13 9	16 31	10 43	11 14	16 59	9 49	0 1
S 17	12 24	1 34	3 12	9 28	1 4	1 20	0 56	20 29	0 45	14 54	1 16	22 32	0 11	20 42	0 32	21 38	0 42	13 9	16 31	10 40	11 13	16 58	9 50	0 1
M18	12 3	3n 6	2 8	8 39	0 56	0 49	0 53	20 36	0 44	14 55	1 16	22 33	0 11	20 41	0 32	21 38	0 42	13 8	16 31	10 38	11 12	16 57	9 51	0 1
T 19	11 42	7 27	0 58	7 49	0 46	0 17	0 51	20 42		14 55		22 33	0 11	20 41		21 38	0 42	13 7	16 30	10 37	11 11	16 56	9 52	0 0
			0s13	6 58	0 36	0n14		20 48		14 55		22 34		20 40		21 38	0 42				-	16 54	9 53	0 0
T 21	10 59		1 21	6 8	0 25	0 46		20 55		14 56		22 34		20 39		21 37	0 42		16 30		-	16 53	9 53	0 0
F 22		-	2 24	5 17	0 13	1 17	0 43		0 41			22 34		20 39		21 37	0 42		16 30		-	16 52	9 54	0 0
S 23	10 16	18 21	3 18	4 26	0 1	1 49	0 40	21 7	0 40	14 56	1 17	22 35	0 10	20 38	0 32	21 37	0 42	13 5	16 30	10 38	11 6	16 51	9 55	0 0
S 24	9 54	19 2	4 2	3 37	0n11	2 20		21 13	0 40	14 56	1 17	22 35	0 10	20 38	0 32	21 37	0 42	-	16 29		-	16 50	9 56	0 0
M25			4 36	-	0 25	2 51		21 18		14 56		22 35		20 37		21 36			16 29			16 49	9 57	0 0
T 26			4 57		0 38	3 23		21 24		14 56		22 36		20 36		21 36			16 29		_	16 48	9 58	0 s 0
W27	8 47		5 6	1 14	0 52	3 54		21 29		14 56		22 36		20 36		21 36	0 42		16 29			16 47		0 0
T 28			5 2	0 29	1 6	4 25		21 35		14 56	-	22 36		20 35		21 36	0 42		16 29			16 46		0 0
F 29	8s 2	10n34	4 s44	0n13	1n21	4n56	0 s23	21 s40	0n35	14s56	1n18	22n37	0s10	20 s34	0 s32	21 s36	0n42	13 s 1	16 s 29	10 s24	11s 0	16n44	10n 1	0 s 0

Julian Day Number = 2388753.5, Delta T = 11.98 sec Ecliptic obliquity = 23°27'34, Nutation = $0^\circ00'10$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°20'23, Lahiri = 21°27'24

MARCH 1828 00:00 UT

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S 1	10 35 5	10 ∺ 26′00	1 m 26	28 ∺ 32	14 Y 36	12 × 34	14°R24	13°R30	0≈35	17 る 43	5 Υ 17	26°R50	28 ≏ 34	219520	25 Y 57	S 1
S 2	10 39 2	11°26'06	13°46	29°32	15°49	13° 6	14ML24	13929	0°37	17°44	5°19	26 ≏ 42	28°31	21°27	26° 0	S 2
M 3	10 42 58	12°26'11	26°16	0 Υ 23	17° 1	13°39	14°24	13°27	0°40	17°46	5°20	26°36	28°27	21°33	26° 3	M 3
T 4	10 46 55	13°26'14	8 ≏ 57	1° 6	18°14	14°11	14°23	13°26	0°43	17°47	5°22	26°32	28°24	21°40	26° 6	T 4
W 5	10 50 51	14°26'15	21°49	1°41	19°26	14°43	14°22	13°25	0°46	17°49	5°23	26°D31	28°21	21°47	26° 9	W 5
T 6	10 54 48	15°26'14	4 M .52	2° 7	20°38	15°15	14°21	13°24	0°49	17°50	5°24	26°31	28°18	21°54	26°12	T 6
F 7	10 58 44	16°26'12	18°10	2°24	21°50	15°47	14°20	13°23	0°51	17°52	5°26	26°32	28°15	22° 0	26°15	F 7
S 8	11 241	17°26'08	1 ∡7 41	2°R32	23° 2	16°19	14°19	13°22	0°54	17°53	5°27	26°34	28°12	22° 7	26°18	S 8
S 9	11 638	18°26'03	15°28	2°31	24°14	16°50	14°17	13°21	0°57	17°54	5°29	26°R35	28° 8	22°14	26°21	S 9
M10	11 10 34	19°25'56	29°31	2°22	25°26	17°22	14°15	13°20	0°59	17°56	5°30	26°34	28° 5	22°20	26°25	M10
T 11	11 14 31	20°25'47	13 る 50	2° 4	26°38	17°53	14°13	13°20	1° 2	17°57	5°31	26°32	28° 2	22°27	26°28	T 11
W12	11 18 27	21°25'37	28°20	1°38	27°50	18°25	14°11	13°20	1° 5	17°58	5°33	26°29	27°59	22°34	26°31	W12
T 13	11 22 24	22°25'25	12≈59	1° 6	29° 2	18°56	14° 9	13°19	1° 7	18° 0	5°34	26°24	27°56	22°41	26°34	T 13
F 14	11 26 20	23°25'11	27°39	0°27	0 8 13	19°27	14° 6	13°19	1°10	18° 1	5°36	26°19	27°53	22°47	26°38	F 14
S 15	11 30 17	24°24'55	12 ∺ 15	29) (42	1°25	19°58	14° 4	13°D19	1°12	18° 2	5°37	26°14	27°49	22°54	26°41	S 15
S 16	11 34 13	25°24'37	26°38	28°54	2°36	20°28	14° 1	13°19	1°15	18° 3	5°39	26°10	27°46	23° 1	26°44	S 16
M17	11 38 10	26°24'17	10 Ƴ 44	28° 2	3°47	20°59	13°58	13°19	1°17	18° 4	5°40	26° 8	27°43	23° 8	26°48	M17
T 18	11 42 7	27°23'55	24°28	27° 8	4°58	21°29	13°55	13°19	1°19	18° 5	5°42	26°D 7	27°40	23°14	26°51	T 18
W19	11 46 3	28°23'31	7 8 48	26°13	6°10	21°59	13°51	13°20	1°22	18° 6	5°43	26° 7	27°37	23°21	26°54	W19
T 20	11 50 0	29°23'05	20°44	25°18	7°21	22°29	13°48	13°20	1°24	18° 7	5°44	26° 9	27°33	23°28	26°58	T 20
F 21	11 53 56	0 Υ 22'37	3耳20	24°25	8°31	22°59	13°44	13°21	1°26	18° 8	5°46	26°10	27°30	23°34	27° 1	F 21
S 22	11 57 53	1°22'06	15°38	23°35	9°42	23°29	13°40	13°22	1°28	18° 9	5°47	26°12	27°27	23°41	27° 5	S 22
S 23	12 1 49	2°21'33	27°43	22°47	10°53	23°58	13°36	13°22	1°30	18°10	5°49	26°R13	27°24	23°48	27° 8	S 23
M24	12 5 46	3°20'58	9939	22° 4	12° 3	24°28	13°32	13°23	1°32	18°11	5°50	26°13	27°21	23°55	27°12	M24
T 25	12 9 42	4°20'20	21°32	21°25	13°14	24°57	13°27	13°24	1°35	18°12	5°52	26°12	27°18	24° 1	27°15	T 25
W26	12 13 39	5°19'40	3 Ω 25	20°52	14°24	25°26	13°23	13°26	1°37	18°13	5°53	26°10	27°14	24° 8	27°19	W26
T 27	12 17 36	6°18'58	15°23	20°24	15°34	25°54	13°18	13°27	1°38	18°14	5°55	26° 7	27°11	24°15	27°23	T 27
F 28	12 21 32	7°18'13	27°30	20° 1	16°45	26°23	13°13	13°28	1°40	18°15	5°56	26° 4	27° 8	24°22	27°26	F 28
S 29	12 25 29	8°17'27	9 m 48	19°44	17°55	26°51	13° 8	13°30	1°42	18°15	5°58	26° 1	27° 5	24°28	27°30	S 29
S 30	12 29 25	9°16'38	22°20	19°33	19° 4	27°20	13° 3	13°31	1°44	18°16	5°59	25°59	27° 2	24°35	27°33	S 30
M31	12 33 22	10 Y 15'46	5Ω 6	19°D28	20814	27 ∡ 748	12 M 58	13933	1≈46	18 ਰ 17	6 ℃ 1	25 ≏ 57	26 ≏ 58	249642	27 Y 37	M31

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S 1	7 s40	7n 2 4s	s13 0n5	2 1n35	5n27	0 s20	21 s45	0n35	14s56	1n18	22n37	0s10	20 s34	0 s32	21 s35	0n42	13 s 0	16 s28	10 s21	10 s58	16n43	10n 2	0 s 0
S 2	7 17	3 10 3	30 1 2	9 1 49	5 58	0 17	21 50	0 34	14 56	1 18	22 37	0 9	20 33	0 32	21 35	0 42	12 59	16 28	10 18	10 57	16 42	10 3	0 0
M 3	6 54	0s54 2	36 2	2 2 3	6 29	0 14	21 55	0 33	14 55	1 18	22 37	0 9	20 33	0 32	21 35	0 42	12 59	16 28	10 16	10 56	16 41	10 4	0 1
T 4	6 31		34 2 3		7 0	0 10	-		14 55		22 38		20 32		21 35	0 42		16 28					0 1
W 5	6 8		25 2 5	-		0 7	22 4	0 31	14 55		22 38		20 31		21 34	0 42		16 28					0 1
T 6			145 3 1			0 4	-		14 54		22 38		20 31		21 34	0 42		16 28					0 1
F 7	-		55 3 3			0 1	22 13		14 54		22 38		20 30		21 34	0 42		16 28					0 1
S 8	4 58	17 35 2	59 3 4	9 3 4	9 0	0n 3	22 18	0 28	14 53	1 19	22 39	0 9	20 30	0 32	21 34	0 42	12 55	16 28	10 15	10 50	16 35	10 9	0 1
S 9	4 35	18 47 3	55 3 5	7 3 13	9 30	0 6	22 22	0 27	14 53	1 19	22 39	0 9	20 29	0 32	21 34	0 42	12 55	16 27	10 16	10 49	16 34	10 10	0 1
M10	4 11	18 50 4	37 4	1 3 21	10 0	0 9	22 26	0 26	14 52	1 20	22 39	0 9	20 29	0 32	21 34	0 42	12 54	16 27	10 15	10 48	16 33	10 11	0 1
T 11	3 48	17 42 5	4 4	0 3 27	10 29	0 13	22 30	0 25	14 51	1 20	22 39	0 8	20 28	0 32	21 33	0 42	12 53	16 27	10 15	10 47	16 32	10 12	0 1
W12	3 24	15 26 5	11 3 5	4 3 32	10 58	0 16	22 34	0 24	14 50	1 20	22 39	0 8	20 28	0 32	21 33	0 42	12 53	16 27	10 13	10 46	16 31	10 13	0 1
T 13	3 1	12 10 4	58 3 4	3 3 3 5	11 27	0 20	22 37	0 23	14 50	1 20	22 39	0 8	20 27	0 32	21 33	0 42	12 52	16 27	10 12	10 45	16 30	10 14	0 1
F 14	2 37	8 8 4	26 3 2	9 3 36	11 55		22 41	0 21	14 49	1 20	22 40	0 8	20 26	0 32	21 33	0 42	12 52	16 27	10 10	10 44	16 29	10 15	0 1
S 15	2 13	3 38 3	37 3 1	0 3 35	12 24	0 27	22 45	0 20	14 48	1 20	22 40	0 8	20 26	0 32	21 33	0 42	12 51	16 27	10 8	10 42	16 27	10 17	0 1
S 16	1 50	1n 1 2	34 2 4	8 3 32	12 52	0 30	22 48	0 19	14 47	1 20	22 40	0 8	20 25	0 32	21 32	0 42	12 50	16 27	10 7	10 41	16 26	10 18	0 2
M17	1 26	5 32 1	23 2 2	3 27	13 19	0 34	22 51	0 18	14 46	1 21	22 40	0 8	20 25	0 32	21 32	0 42	12 50	16 27	10 6	10 40	16 25	10 19	0 2
T 18	1 2	9 38 0	9 1 5				22 54		14 45	1 21	22 40	0 8	20 24		21 32	0 42	-	16 27		10 39	16 24	10 20	0 2
W19	0 38		3 4 1 2				22 58		14 43		22 40		20 24		21 32	0 42		16 27		10 38			0 2
T 20			11 0 5			0 45			14 42	1 21	-		20 23		21 32	0 42		16 27		10 37			0 2
F 21	0n 9		10 0 2			0 48			14 41	1 21	-		20 23		21 32	0 42		16 27		10 36			0 2
S 22	0 33	18 43 3	59 0s	8 2 38	15 33	0 52	23 6	0 12	14 40	1 21	22 40	0 7	20 23	0 32	21 32	0 42	12 47	16 27	10 7	10 35	16 19	10 25	0 2
S 23	0 56	18 50 4	37 0 3	9 2 24	15 59	0 55	23 9	0 10	14 38	1 21	22 40	0 7	20 22	0 32	21 31	0 42	12 46	16 27	10 8	10 33	16 18	10 26	0 2
M24	1 20	18 6 5	2 1	9 2 10	16 24	0 59	23 12	0 9	14 37	1 22	22 40	0 7	20 22	0 32	21 31	0 42	12 45	16 27	10 8	10 32	16 17	10 27	0 2
T 25	1 44	16 34 5	14 1 3	9 1 55	16 49	1 3	23 14	0 8	14 36	1 22	22 40	0 7	20 21	0 33	21 31	0 42	12 45	16 27	10 7	10 31	16 16	10 28	0 2
W26	2 7	14 21 5	12 2	6 1 40	17 14	1 6	23 17	0 6	14 34	1 22	22 40	0 7	20 21	0 33	21 31	0 42	12 44	16 27	10 7	10 30	16 15	10 29	0 2
T 27	-	11 30 4	57 2 3	1 1 24	17 38			0 5	14 33	1 22	-	0 7	20 20	0 33	21 31	0 42		16 27		10 29	16 13	10 31	0 2
F 28	2 54		29 2 5				23 21	0 3	_	1 22			20 20		21 31	0 43		16 27		10 28			0 2
S 29	3 17	4 23 3	48 3 1	6 0 53	18 25	1 17	23 23	0 2	14 29	1 22	22 40	0 6	20 20	0 33	21 31	0 43	12 43	16 27	10 3	10 27	16 11	10 33	0 2
S 30	3 41	0 22 2	55 3 3	4 0 37	18 48	1 20	23 26	0 0	14 28	1 22	22 40	0 6	20 19	0 33	21 31	0 43	12 42	16 27	10 2	10 25	16 10	10 34	0 3
M31	4n 4	3 s45 1 s	s53 3 s5	0 0n22	19n10	1n24	23 s28	0 s 1	14 s26	1n22	22n40	0s 6	20 s19	0s33	21 s30	0n43	12 s42	16 s 27	10s 2	10 s24	16n 9	10n36	0 s 3

Julian Day Number = 2388782.5, Delta T = 11.92 sec

Ecliptic obliquity = $23^{\circ}27'34$, Nutation = $0^{\circ}00'09$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}20'27$, Lahiri = $21^{\circ}27'28$

APRIL 1828 00:00 UT

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T 1	12 37 18	11 ° 14'53	18 ♀ 6	19) 28	21824	28 × 15	12°R53	13935	1≈48	18 궁 17	6 Υ 2	25°R56	26₽55	249548	27 Υ 41	T 1
W 2	12 41 15	12°13'58	1 M 21	19°33	22°33	28°43	12 M .47	13°37	1°49	18°18	6° 4	25°D56	26°52	24°55	27°44	W 2
T 3	12 45 11	13°13'01	14°49	19°44	23°42	29°10	12°41	13°39	1°51	18°19	6° 5	25 ≏ 56	26°49	25° 2	27°48	T 3
F 4	12 49 8	14°12'02	28°29	20° 0	24°52	29°37	12°35	13°41	1°53	18°19	6° 6	25°57	26°46	25° 9	27°52	F 4
S 5	12 53 4	15°11'01	12 × 20	20°21	26° 1	0중 4	12°29	13°43	1°54	18°20	6° 8	25°58	26°43	25°15	27°56	S 5
S 6	12 57 1	16° 9'59	26°20	20°47	27° 9	0°31	12°23	13°45	1°56	18°20	6° 9	25°59	26°39	25°22	27°59	S 6
M 7	13 0 58	17° 8'55	10 궁 28	21°17	28°18	0°57	12°17	13°48	1°57	18°21	6°11	26° 0	26°36	25°29	28° 3	M 7
T 8	13 4 54	18° 7'49	24°40	21°51	29°27	1°23	12°11	13°50	1°59	18°21	6°12	26°R 0	26°33	25°35	28° 7	T 8
W 9	13 8 51	19° 6'41	8≈56	22°29	0 Ⅱ 35	1°49	12° 4	13°53	2° 0	18°21	6°14	25°59	26°30	25°42	28°11	W 9
T 10	13 12 47	20° 5'32	23°12	23°11	1°44	2°15	11°58	13°56	2° 2	18°22	6°15	25°59	26°27	25°49	28°14	T 10
F 11	13 16 44	21° 4'20	7) €24	23°57	2°52	2°40	11°51	13°59	2° 3	18°22	6°17	25°58	26°24	25°56	28°18	F 11
S 12	13 20 40	22° 3'07	21°31	24°46	4° 0	3° 5	11°45	14° 2	2° 4	18°22	6°18	25°58	26°20	26° 2	28°22	S 12
S 13	13 24 37	23° 1'53	5 Υ 26	25°38	5° 8	3°30	11°38	14° 5	2° 5	18°23	6°19	25°57	26°17	26° 9	28°26	S 13
M14	13 28 33	24° 0'36	19° 9	26°34	6°15	3°54	11°31	14° 8	2° 6	18°23	6°21	25°57	26°14	26°16	28°29	M14
T 15	13 32 30	24°59'17	2 8 35	27°32	7°23	4°18	11°24	14°11	2° 8	18°23	6°22	25°D57	26°11	26°23	28°33	T 15
W16	13 36 27	25°57'57	15°44	28°34	8°30	4°42	11°17	14°14	2° 9	18°23	6°24	25°R57	26° 8	26°29	28°37	W16
T 17	13 40 23	26°56'34	28°35	29°38	9°37	5° 5	11°10	14°18	2°10	18°23	6°25	25°57	26° 4	26°36	28°41	T 17
F 18	13 44 20	27°55'10	11 II 9	0 Υ 44	10°44	5°29	11° 2	14°21	2°11	18°23	6°26	25°57	26° 1	26°43	28°45	F 18
S 19	13 48 16	28°53'43	23°27	1°53	11°51	5°51	10°55	14°25	2°11	18°23	6°28	25°57	25°58	26°49	28°48	S 19
S 20	13 52 13	29°52'14	5934	3° 5	12°58	6°14	10°48	14°29	2°12	18°R23	6°29	25°56	25°55	26°56	28°52	S 20
M21	13 56 9	0 8 50'43	17°31	4°19	14° 4	6°36	10°40	14°32	2°13	18°23	6°31	25°56	25°52	27° 3	28°56	M21
T 22	14 0 6	1°49'10	29°25	5°35	15°10	6°58	10°33	14°36	2°14	18°23	6°32	25°D56	25°49	27°10	29° 0	T 22
W23	14 4 2	2°47'34	11 Ω 19	6°53	16°16	7°19	10°25	14°40	2°15	18°23	6°33	25°56	25°45	27°16	29° 4	W23
T 24	14 7 59	3°45'57	23°18	8°13	17°22	7°40	10°18	14°44	2°15	18°23	6°35	25°56	25°42	27°23	29° 7	T 24
F 25	14 11 56	4°44'17	5 Mp 26	9°36	18°28	8° 1	10°10	14°49	2°16	18°23	6°36	25°57	25°39	27°30	29°11	F 25
S 26	14 15 52	5°42'36	17°47	11° 0	19°33	8°21	10° 3	14°53	2°16	18°23	6°37	25°58	25°36	27°36	29°15	S 26
S 27	14 19 49	6°40'52	0 ჲ 26	12°27	20°38	8°41	9°55	14°57	2°17	18°23	6°39	25°59	25°33	27°43	29°19	S 27
M28	14 23 45	7°39'06	13°23	13°55	21°43	9° 1	9°47	15° 2	2°17	18°22	6°40	26° 0	25°30	27°50	29°23	M28
T 29	14 27 42	8°37'19	26°40	15°26	22°47	9°20	9°40	15° 6	2°18	1 <u>8</u> °22	6°41	26°R 0	25°26	27°57	29°26	T 29
W30	14 31 38	9 8 35'30	10 M .17	16 Y 58	23 Ⅱ 52	9 云 38	9M32	159511	2≈18	18 궁 22	6 Υ 42	25 ≏ 59	25 ≏ 23	2895 3	29 Y 30	W30

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T 1	4n27	7 s46 0 s4	13 4s 4	0n 7 19n32	1n27 23 s30	0s 3	14 s24	1n22	22n40	0s 6	20 s19	0s33	21 s30	0n43	12 s41	16 s27	10s 2	10 s23	16n 7	10n37	0 s 3
W 2	4 50	11 29 0n3	30 4 15	0s 7 19 53	1 31 23 32	0 4	14 23	1 23	22 40	0 6	20 18	0 33	21 30	0 43	12 40	16 27	10 2	10 22	16 6	10 38	0 3
T 3	5 13	14 40 1 4	43 4 23	0 21 20 14	1 34 23 33	0 6	14 21	1 23	22 40	0 6	20 18	0 33	21 30	0 43	12 40	16 27	10 2	10 21	16 5	10 39	0 3
F 4	5 36	17 4 2 5	51 4 29	0 34 20 35	1 38 23 35	0 8	14 19	1 23	22 40	0 6	20 17	0 33	21 30	0 43	12 39	16 27	10 2	10 20	16 4	10 41	0 3
S 5	5 59	18 30 3 3	50 4 32	0 47 20 55	1 41 23 37	0 9	14 17	1 23	22 40	0 6	20 17	0 33	21 30	0 43	12 39	16 27	10 2	10 18	16 3	10 42	0 3
S 6	6 22	18 49 4 3	35 4 33	0 59 21 14	1 44 23 39	0 11	14 15	1 23	22 39	0 5	20 17	0 33	21 30	0 43	12 38	16 27	10 3	10 17	16 1	10 43	0 3
M 7	6 44	17 58 5	5 4 32	1 10 21 33	1 48 23 40	0 13	14 13	1 23	22 39	0 5	20 17	0 33	21 30	0 43	12 38	16 27	10 3	10 16	16 0	10 44	0 3
T 8	7 7	16 1 5	17 4 29	1 21 21 51	1 51 23 42	0 15	14 11	1 23	22 39	0 5	20 16	0 33	21 30	0 43	12 37	16 27	10 3	10 15	15 59	10 46	0 3
W 9	7 29	13 4 5	9 4 23	1 31 22 9	1 54 23 43	0 16	14 9		22 39	0 5	20 16	0 33	21 30	0 43	12 37	16 27	10 3	10 14	15 58	10 47	0 3
T 10	7 52	9 21 4 4	4 15	1 41 22 27	1 58 23 45	0 18	14 7		22 39	0 5	20 16	0 33	21 30	0 43			10 3	10 13	15 57	10 48	0 3
F 11	8 14	5 7 3 5	58 4 5	1 50 22 43	2 1 23 46	0 20	14 5		22 39		20 15	0 33	21 30	0 43				10 12			0 3
S 12	8 36	0 37 3	0 3 53	1 58 23 0	2 4 23 48	0 22	14 3	1 23	22 38	0 5	20 15	0 33	21 30	0 43	12 35	16 27	10 2	10 10	15 54	10 51	0 4
S 13	8 58	3n52 1 3	3 39	2 5 23 15	2 7 23 49	0 24	14 1	1 23	22 38	0 5	20 15	0 33	21 30	0 43	12 35	16 28	10 2	10 9	15 53	10 52	0 4
M14	9 19	8 5 0 3	38 3 23	2 12 23 30	2 10 23 50	0 26	13 59	1 23	22 38	0 5	20 15	0 33	21 29	0 43	12 35	16 28	10 2	10 8	15 52	10 53	0 4
T 15	9 41	11 48 0s3	37 3 6	2 19 23 45	2 13 23 51	0 28	13 56	1 23	22 38	0 5	20 15	0 33	21 29	0 43	12 34	16 28	10 2	10 7	15 50	10 55	0 4
W16	10 2	14 51 1 4	18 2 47	2 24 23 59	2 16 23 53	0 30	13 54	1 23	22 37	0 4	20 14	0 33	21 29	0 43	12 34	16 28	10 2	10 6	15 49	10 56	0 4
T 17	10 24	17 5 2 5	51 2 26	2 29 24 12	2 19 23 54	0 32	13 52	1 23	22 37	0 4	20 14	0 33	21 29	0 43	12 33	16 28	10 2	10 5	15 48	10 57	0 4
F 18	10 45	18 25 3 4	15 2 3	2 34 24 24	2 21 23 55	0 34	13 50	1 23	22 37	0 4	20 14	0 33	21 29	0 43	12 33	16 28	10 2	10 3	15 47	10 58	0 4
S 19	11 5	18 51 4 2	28 1 39	2 38 24 36	2 24 23 56	0 37	13 48	1 23	22 37	0 4	20 14	0 33	21 29	0 43	12 32	16 28	10 2	10 2	15 45	11 0	0 4
S 20	11 26	18 24 4 5	57 1 14	2 41 24 48	2 27 23 58	0 39	13 45	1 23	22 36	0 4	20 14	0 33	21 29	0 43	12 32	16 28	10 2	10 1	15 44	11 1	0 4
M21	11 47	17 8 5	14 0 47	2 43 24 59	2 29 23 59	0 41	13 43	1 23	22 36	0 4	20 13	0 33	21 29	0 43	12 32	16 29	10 2	10 0	15 43	11 2	0 4
T 22	12 7	15 8 5	16 0 19	2 45 25 9	2 32 24 0	0 43	13 41	1 23	22 36	0 4	20 13	0 33	21 29	0 43	12 31	16 29	10 1	9 59	15 42	11 4	0 4
W23	12 27	12 30 5	6 0n11	2 47 25 19	2 34 24 1	0 46	13 38	1 23	22 35	0 4	20 13	0 33	21 29	0 43	12 31	16 29	10 2	9 58	15 40	11 5	0 4
T 24	12 47	9 20 4 4	12 0 42	2 48 25 27	2 37 24 2	0 48	13 36	1 23	22 35	0 4	20 13	0 34	21 29	0 43	12 30	16 29	10 2	9 57	15 39	11 6	0 4
F 25	13 7	5 44 4	5 1 14	2 48 25 36	2 39 24 4	0 51	13 34	1 23	22 35	0 4	20 13	0 34	21 29	0 43	12 30	16 29	10 2	9 55	15 38	11 7	0 5
S 26	13 26	1 49 3	16 1 47	2 48 25 43	2 41 24 5	0 53	13 31	1 23	22 34	0 3	20 13	0 34	21 29	0 43	12 30	16 29	10 2	9 54	15 37	11 9	0 5
S 27	13 45	2s16 2	17 2 22	2 47 25 51	2 43 24 6	0 56	13 29	1 23	22 34	0 3	20 13	0 34	21 29	0 43	12 29	16 30	10 3	9 53	15 35	11 10	0 5
M28	14 4	6 21 1	9 2 57	2 45 25 57	2 45 24 7	0 58	13 27	1 23	22 34	0 3	20 13	0 34	21 29	0 43	12 29	16 30	10 3	9 52	15 34	11 11	0 5
T 29	14 23	10 14 0n	4 3 34	2 43 26 3	2 47 24 9	1 1	13 24		22 33	0 3	20 13	0 34	21 29	0 43	12 29	16 30	10 3	9 51	15 33	11 12	0 5
W30	14n42	13 s41 1n	18 4n12	2 s41 26n 8	2n49 24s10	1 s 4	13 s22	1n23	22n33	0s 3	20 s13	0s34	21 s29	0n43	12 s28	16 s 30	10s 3	9s50	15n32	11n14	0 s 5

Julian Day Number = 2388813.5, Delta T = 11.86 sec Ecliptic obliquity = $23^{\circ}27'34$, Nutation = $0^{\circ}00'07$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}20'31$, Lahiri = $21^{\circ}27'32$

MAY 1828 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ ¹	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
T 1	14 35 35	10833'39	24ML12	18 Y 33	24 II 56	9 ප 57	9°R24	159915	2≈18	18°R22	6 Υ 44	25°R58	25 ₽ 20	289510	29 Y 34	T 1
F 2	14 39 31	11°31'46	8 ∡ 120	20° 9	26° 0	10°14	9 ™ 17	15°20	2°19	18 궁 21	6°45	25 ≏ 57	25°17	28°17	29°38	F 2
S 3	14 43 28	12°29'52	22°38	21°47	27° 3	10°32	9° 9	15°25	2°19	18°21	6°46	25°55	25°14	28°24	29°41	S 3
S 4	14 47 25	13°27'56	7 ට 2	23°27	28° 7	10°48	9° 2	15°30	2°19	18°20	6°47	25°52	25°10	28°30	29°45	S 4
M 5	14 51 21	14°25'59	21°25	25° 9	29°10	11° 5	8°54	15°35	2°19	18°20	6°49	25°51	25° 7	28°37	29°49	M 5
T 6	14 55 18	15°24'01	5≈44	26°53	09512	11°21	8°46	15°40	2°19	18°19	6°50	25°50	25° 4	28°44	29°53	T 6
W 7	14 59 14	16°22'01	19°57	28°39	1°15	11°36	8°39	15°45	2°R19	18°19	6°51	25°D49	25° 1	28°50	29°56	W 7
T 8	15 3 11	17°20'00	4) € 0	0 8 27	2°17	11°51	8°31	15°50	2°19	18°18	6°52	25°50	24°58	28°57	29°59	T 8
F 9	15 7 7	18°17'58	17°52	2°17	3°19	12° 5	8°24	15°55	2°19	18°18	6°53	25°51	24°55	29° 4	0 8 4	F 9
S 10	15 11 4	19°15'54	1 Y 33	4° 8	4°20	12°19	8°16	16° 1	2°19	18°17	6°55	25°53	24°51	29°11	0° 7	S 10
S 11	15 15 0	20°13'49	15° 2	6° 2	5°21	12°32	8° 9	16° 6	2°19	18°17	6°56	25°54	24°48	29°17	0°11	S 11
M12	15 18 57	21°11'43	28°19	7°58	6°22	12°45	8° 2	16°12	2°19	18°16	6°57	25°R54	24°45	29°24	0°14	M12
T 13	15 22 53	22° 9'35	11823	9°55	7°22	12°57	7°54	16°17	2°18	18°15	6°58	25°53	24°42	29°31	0°18	T 13
W14	15 26 50	23° 7'26	24°13	11°54	8°23	13° 8	7°47	16°23	2°18	18°14	6°59	25°51	24°39	29°37	0°22	W14
T 15	15 30 47	24° 5'15	6 I I51	13°55	9°22	13°19	7°40	16°29	2°18	18°14	7° 0	25°48	24°35	29°44	0°25	T 15
F 16	15 34 43	25° 3'03	19°16	15°58	10°22	13°30	7°33	16°34	2°17	18°13	7° 1	25°43	24°32	29°51	0°29	F 16
S 17	15 38 40	26° 0'50	19530	18° 2	11°21	13°39	7°26	16°40	2°17	18°12	7° 2	25°38	24°29	29°58	0°32	S 17
S 18	15 42 36	26°58'35	13°34	20° 8	12°19	13°48	7°19	16°46	2°16	18°11	7° 3	25°33	24°26	0 Ω 4	0°36	S 18
M19	15 46 33	27°56'18	25°31	22°16	13°17	13°57	7°12	16°52	2°16	18°10	7° 4	25°28	24°23	0°11	0°39	M19
T 20	15 50 29	28°54'00	7 Ω 23	24°24	14°15	14° 4	7° 6	16°58	2°15	18° 9	7° 5	25°25	24°20	0°18	0°43	T 20
W21	15 54 26	29°51'40	19°16	26°34	15°12	14°11	6°59	17° 4	2°14	18° 9	7° 6	25°23	24°16	0°25	0°46	W21
T 22	15 58 23	0 Ⅱ 49'19	1 m) 14	28°45	16° 9	14°18	6°53	17°10	2°14	18° 8	7° 7	25°D22	24°13	0°31	0°50	T 22
F 23	16 2 19	1°46'56	13°20	0Ⅲ56	17° 5	14°24	6°46	17°16	2°13	18° 7	7° 8	25°23	24°10	0°38	0°53	F 23
S 24	16 6 16	2°44'32	25°41	3° 8	18° 1	14°29	6°40	17°23	2°12	18° 6	7° 9	25°24	24° 7	0°45	0°56	S 24
S 25	16 10 12	3°42'06	8 ₾ 20	5°20	18°56	14°33	6°34	17°29	2°11	18° 5	7°10	25°26	24° 4	0°51	1° 0	S 25
M26	16 14 9	4°39'39	21°22	7°32	19°51	14°37	6°28	17°35	2°10	18° 4	7°11	25°R27	24° 1	0°58	1° 3	M26
T 27	16 18 5	5°37'11	4 M .48	9°43	20°45	14°39	6°22	17°42	2° 9	18° 3	7°12	25°26	23°57	1° 5	1° 6	T 27
W28	16 22 2	6°34'41	18°39	11°54	21°38	14°42	6°16	17°48	2° 8	18° 1	7°13	25°24	23°54	1°12	1°10	W28
T 29	16 25 58	7°32'10	2 ₹ 54	14° 3	22°31	14°43	6°10	17°55	2° 7	18° 0	7°13	25°20	23°51	1°18	1°13	T 29
F 30	16 29 55	8°29'38	1 <u>7°</u> 27	16°12	23°23	14°44	6° 5	18° 1	2° 6	1 <u>7</u> °59	7°14	25°15	23°48	1°25	1°16	F 30
S 31	16 33 52	9∏27'05	2 ට 13	18 II 19	249915	14°R44	5 M .59	1895 8	2 ≈ 5	17 云 58	7 Υ 15	25 ♀ 9	23 ≏ 45	1 Q 32	1819	S 31

Day	0	D	ğ	·	ď	4	ħ)Å(¥	Р	n	Ω	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
T 1 F 2 S 3	15n 0 15 18 15 36	18 12 3 33	5 30 2	34 26 16 2 52	24 13 1 9	13 17 1 23	22 32 0 3	20 13 0 34	21 s29 0n43 21 29 0 43 21 29 0 43	12 28 16 31	10 2	9 47	15 29	11n15
S 4 M 5 T 6 W 7 T 8	16 11 16 28 16 45 17 1	10 17 4 48 6 12 4 8	4 7 34 2 1 8 17 2 3 9 0 2 3 9 44 2	20 26 24 2 57 15 26 25 2 58 8 26 26 2 59 2 26 26 3 0	24 17 1 18 24 19 1 21 24 20 1 24 24 22 1 27	13 10 1 23 13 8 1 23 13 6 1 23 13 3 1 22	22 30 0 3 22 30 0 2 22 29 0 2 22 29 0 2	20 13 0 34 20 13 0 34 20 13 0 34 20 13 0 34	21 30 0 43 21 30 0 43 21 30 0 43 21 30 0 43 21 30 0 43	12 27 16 31 12 27 16 31 12 26 16 32 12 26 16 32	10 0 9 59 9 59 9 59	9 45 9 44 9 43 9 41 9 40	15 25 15 24 15 23 15 22	11 20 0 5 11 21 0 5 11 22 0 5 11 24 0 6
F 9 S 10 S 11	17 17 17 33 17 49	2n36 2 10	11 14 1	47 26 25 3 1	24 26 1 33		22 28 0 2	20 13 0 34	21 30 0 43	12 26 16 32 12 26 16 32 12 25 16 33	10 0	9 39 9 38 9 37	15 19	
M12 T 13 W14 T 15 F 16 S 17	18 4 18 19 18 34 18 49 19 3	10 41 0s13 13 56 1 24 16 26 2 29 18 6 3 26 18 51 4 11	3 12 45 1 4 13 31 1 9 14 16 1 5 15 2 1 1 15 47 0	30 26 20 3 2 21 26 18 3 3 12 26 14 3 3 3 26 10 3 3 53 26 5 3 3	24 30 1 40 24 32 1 43 24 34 1 46 24 37 1 50 24 39 1 53	12 54 1 22 12 52 1 22 12 50 1 22 12 48 1 22 12 45 1 21	22 27 0 2 22 26 0 2 22 26 0 2 22 25 0 2 22 24 0 1	20 13 0 34 20 13 0 34	21 30 0 43 21 30 0 43 21 30 0 43 21 30 0 43 21 30 0 43	12 25 16 33 12 25 16 33 12 25 16 33 12 25 16 34	10 1 10 1 10 0 9 59 9 57	9 36 9 34 9 33	15 16 15 15 15 14 15 13 15 11	11 29 0 6 11 30 0 6 11 31 0 6 11 32 0 6 11 33 0 6
S 18 M19 T 20 W21 T 22 F 23 S 24	19 30 19 43 19 56 20 8 20 20 20 32 20 44	15 57 5 12 13 31 5 5 10 32 4 45 7 6 4 13 3 20 3 29	2 18 0 0 5 18 42 0 5 19 24 0 8 20 3 0r 9 20 42 0	22 25 48 3 2 0 11 25 42 3 1 0 1 25 34 3 0 0 10 25 27 2 59	24 56 2 15 24 59 2 19	12 39 1 21 12 37 1 21 12 35 1 21 12 33 1 20 12 31 1 20	22 22 0 1 22 22 0 1 22 21 0 1 22 20 0 1	20 14 0 34 20 14 0 34 20 14 0 34 20 14 0 34 20 15 0 35	21 31 0 43 21 31 0 43	12 24 16 35 12 24 16 35 12 24 16 35 12 24 16 36 12 24 16 36	9 53 9 51 9 50 9 49 9 49 9 49 9 50	9 27 9 26 9 25 9 24 9 23	15 7 15 6 15 5 15 3 15 2	11 36 0 6 11 37 0 6 11 38 0 6 11 39 0 7 11 40 0 7 11 41 0 7 11 42 0 7
T 27 W28 T 29 F 30	20 55 21 5 21 16 21 26 21 35 21 44 21n53	8 41 0 22 12 20 0n51 15 26 2 3 17 40 3 9 18 49 4 4	2 22 25 0 1 22 55 1 3 23 22 1 9 23 47 1 4 24 9 1	9 24 30 2 49 17 24 19 2 47 25 24 8 2 44	25 9 2 31 25 13 2 35 25 17 2 39 25 21 2 43 25 25 2 47	12 24 1 19 12 22 1 19 12 21 1 19 12 19 1 19	22 18 0 1 22 17 0 0 22 16 0 0 22 15 0 0 22 14 0 0	20 15 0 35 20 15 0 35 20 16 0 35 20 16 0 35 20 16 0 35	21 31 0 43 21 32 0 043 21 s32 0 043	12 23 16 37 12 23 16 37 12 23 16 37 12 23 16 38	9 51 9 51 9 50 9 49	9 19 9 18 9 17 9 16 9 15	14 58 14 57 14 56 14 54 14 53	11 46 0 7 11 47 0 7 11 48 0 7

Julian Day Number = 2388843.5, Delta T = 11.80 sec Ecliptic obliquity = 23°27'33, Nutation = 0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}20'36$, Lahiri = $21^{\circ}27'36$

JUNE 1828 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	♂ [™]	4	ħ)ţ(卉	В	v	v	Ç	Ŗ	Day
S 1	16 37 48	10∏24'32	17중 3	20∏25	2595 6	14°R43	5°R54	189915	2°R 4	17°R57	7 Υ 16	25°R 2	23 ≏ 41	1 Ω 39	1822	S 1
M 2	16 41 45	11°21'57	1≈49	22°28	25°56	14 궁 42	5 M 49	18°21	2≈ 3	17 ප 56	7°17	24 Ω 56	23°38	1°45	1°26	M 2
T 3	16 45 41	12°19'22	16°24	24°30	26°46	14°40	5°44	18°28	2° 2	17°54	7°17	24°52	23°35	1°52	1°29	T 3
W 4	16 49 38	13°16'46	0) €44	26°30	27°35	14°37	5°39	18°35	2° 0	17°53	7°18	24°49	23°32	1°59	1°32	W 4
T 5	16 53 34	14°14'09	14°46	28°27	28°23	14°33	5°34	18°42	1°59	17°52	7°19	24°D48	23°29	2° 5	1°35	T 5
F 6	16 57 31	15°11'32	28°30	0923	29°10	14°29	5°30	18°49	1°58	17°51	7°20	24°49	23°26	2°12	1°38	F 6
S 7	17 1 27	16° 8'54	11 Y 55	2°15	29°56	14°23	5°26	18°56	1°56	17°49	7°20	24°50	23°22	2°19	1°41	S 7
S 8	17 5 24	17° 6'16	25° 5	4° 6	0 Ω 42	14°17	5°21	19° 3	1°55	17°48	7°21	24°R51	23°19	2°26	1°44	S 8
M 9	17 9 21	18° 3'38	8 8 1	5°54	1°27	14°11	5°17	19°10	1°53	17°47	7°21	24°50	23°16	2°32	1°47	M 9
T 10	17 13 17	19° 0'58	20°44	7°40	2°10	14° 3	5°13	19°17	1°52	17°45	7°22	24°47	23°13	2°39	1°49	T 10
W11	17 17 14	19°58'19	3 Ⅱ 16	9°23	2°53	13°55	5°10	19°24	1°50	17°44	7°23	24°41	23°10	2°46	1°52	W11
T 12	17 21 10	20°55'38	15°39	11° 3	3°35	13°46	5° 6	19°31	1°49	17°43	7°23	24°34	23° 7	2°52	1°55	T 12
F 13	17 25 7	21°52'57	27°53	12°41	4°16	13°36	5° 3	19°38	1°47	17°41	7°24	24°24	23° 3	2°59	1°58	F 13
S 14	17 29 3	22°50'16	9958	14°17	4°56	13°26	4°59	19°45	1°45	17°40	7°24	24°13	23° 0	3° 6	2° 1	S 14
S 15	17 33 0	23°47'34	21°57	15°50	5°34	13°15	4°56	19°53	1°44	17°38	7°25	24° 2	22°57	3°13	2° 3	S 15
M16	17 36 56	24°44'51	3 Ω 51	17°20	6°12	13° 3	4°53	20° 0	1°42	17°37	7°25	23°52	22°54	3°19	2° 6	M16
T 17	17 40 53	25°42'07	15°42	18°48	6°48	12°51	4°51	20° 7	1°40	17°35	7°26	23°44	22°51	3°26	2° 8	T 17
W18	17 44 50	26°39'23	27°34	20°13	7°23	12°38	4°48	20°15	1°38	17°34	7°26	23°38	22°47	3°33	2°11	W18
T 19	17 48 46	27°36'38	9 m 29	21°35	7°57	12°24	4°46	20°22	1°36	17°32	7°27	23°34	22°44	3°40	2°14	T 19
F 20	17 52 43	28°33'52	21°33	22°55	8°29	12°10	4°44	20°29	1°35	17°31	7°27	23°32	22°41	3°46	2°16	F 20
S 21	17 56 39	29°31'06	3 ≏ 51	24°12	9° 0	11°56	4°42	20°37	1°33	17°29	7°27	23°D32	22°38	3°53	2°18	S 21
S 22	18 0 36	09528'19	16°27	25°26	9°30	11°41	4°40	20°44	1°31	17°28	7°28	23°32	22°35	4° 0	2°21	S 22
M23	18 4 32	1°25'31	29°27	26°37	9°58	11°25	4°38	20°52	1°29	17°26	7°28	23°R32	22°32	4° 6	2°23	M23
T 24	18 8 29	2°22'43	12 M .53	27°45	10°24	11°10	4°37	20°59	1°27	17°25	7°28	23°31	22°28	4°13	2°25	T 24
W25	18 12 25	3°19'54	26°49	28°51	10°49	10°53	4°35	21° 7	1°25	17°23	7°29	23°27	22°25	4°20	2°28	W25
T 26	18 16 22	4°17'05	11 × 12	29°53	11°12	10°37	4°34	21°14	1°23	17°22	7°29	23°21	22°22	4°27	2°30	T 26
F 27	18 20 19	5°14'16	25°59	0 Ω 52	11°33	10°20	4°33	21°22	1°21	17°20	7°29	23°13	22°19	4°33	2°32	F 27
S 28	18 24 15	6°11'27	11 궁 3	1°48	11°53	10° 3	4°33	21°29	1°19	17°19	7°29	23° 3	22°16	4°40	2°34	S 28
S 29	18 28 12	7° 8'37	26°14	2°40	12°11	9°45	4°32	21°37	1°17	17°17	7°30	22°53	22°13	4°47	2°36	S 29
M30	18 32 8	895 5'47	11≈22	3 Ω 29	$12\Omega_{26}$	9 る 28	4MJ32	219545	1≈14	17 궁 15	7 Υ 30	22 <u>Ω</u> 44	22 º 9	$4\Omega53$	2 8 38	M30

Day	0	D		ğ		φ		ď	7	2	4	ŧ	1)į	j(4	(Р		ß	Ω	Ç	Ł	
	decl	decl lat		decl	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	lat	decl	decl	decl	decl	lat
S 1	22n 2	17s19 5ı	n 5 24	4n45	1n38	23n44	2n39	25 s33	2 s 5 6	12s16	1n18	22n13	0s 0	20 s17	0s35	21 s32	0n43	12 s23	16s39	9 s42	9s12	14n50	11n51	0 s 7
M 2	22 10	14 48 5	6 2	4 59	1 44	23 32	2 36	25 38	3 0	12 15	1 18	22 12	0n 0	20 17	0 35	21 33	0 43	12 23	16 39	9 40	9 11	14 49	11 52	0 8
T 3	22 17	11 22 4	47 2:	5 10	1 49	23 19	2 32	25 42	3 4	12 13	1 18	22 11	0 0	20 17	0 35	21 33	0 43	12 23	16 39	9 38	9 10	14 48	11 53	0 8
W 4	22 25	7 19 4	10 2:	5 18	1 54	23 6	2 29	25 47	3 8	12 12	1 18	22 10	0 0	20 18	0 35	21 33	0 43	12 23	16 40	9 37	9 9	14 46	11 54	0 8
T 5	22 32	2 57 3	19 2:	5 24	1 57	22 52	2 25	25 51	3 13	12 10	1 18	22 10	0 0	20 18	0 35	21 33	0 43	12 23	16 40	9 37	9 8	14 45	11 55	0 8
F 6	22 38	1n30 2	17 2:	5 28	2 0	22 39	2 21	25 56	3 17	12 9	1 17	22 9	0 0	20 18	0 35	21 33	0 43	12 23	16 40	9 37	9 6	14 44	11 56	0 8
S 7	22 44	5 47 1	9 2:	5 28	2 2	22 25	2 17	26 1	3 21	12 8	1 17	22 8	0 0	20 19	0 35	21 33	0 43	12 23	16 41	9 38	9 5	14 42	11 57	0 8
S 8	22 50	9 42 0	s 1 2:	5 27	2 3	22 10	2 13	26 6	3 26	12 7	1 17	22 7	0 1	20 19	0 35	21 34	0 43	12 23	16 41	9 38	9 4	14 41	11 58	0 8
M 9	22 55	13 5 1	10 2:	5 23	2 4	21 56	2 8	26 11	3 30	12 6	1 17	22 6	0 1	20 19	0 35	21 34	0 43	12 24	16 41	9 37	9 3	14 40	11 58	0 8
T 10	23 0	15 48 2	14 2:	5 18	2 4	21 41	2 3	26 16	3 34	12 4	1 16	22 5	0 1	20 20	0 35	21 34	0 43	12 24	16 42	9 36	9 2	14 38	11 59	0 8
W11	23 5	17 42 3	11 2:	5 10	2 3	21 26	1 58	26 22	3 39	12 3	1 16	22 4	0 1	20 20	0 35	21 34	0 43	12 24	16 42	9 34	9 1	14 37	12 0	0 8
T 12	23 9	18 45 3	57 2:	5 1	2 1	21 11	1 52	26 27	3 43	12 3	1 16	22 3	0 1	20 21	0 35	21 34	0 43	12 24	16 42	9 32	8 59	14 36	12 1	0 8
F 13	23 13	18 54 4	32 24	4 49	1 59	20 56	1 47	26 32	3 48	12 2	1 16	22 2	0 1	20 21	0 35	21 34	0 43	12 24	16 43	9 28	8 58	14 34	12 2	0 8
S 14	23 16	18 11 4	55 24	4 37	1 56	20 41	1 41	26 38	3 52	12 1	1 15	22 1	0 1	20 21	0 35	21 35	0 43	12 24	16 43	9 24	8 57	14 33	12 3	0 9
S 15	23 19	16 40 5	4 2	4 22	1 52	20 25	1 35	26 43	3 56	12 0	1 15	22 0	0 1	20 22	0 35	21 35	0 43	12 24	16 43	9 20		14 32		0 9
M16	23 21	-	59 24	-	-	20 10	1 28			11 59		21 59	0 1	20 22		21 35	0 43		-	9 16		14 30		0 9
T 17	23 23	11 39 4	42 2	3 50		19 54		26 54		11 59		21 58	0 1	20 23		21 35	0 43			9 13		14 29		0 9
	23 25	-	13 2			19 38	1 14			11 58		21 57		20 23		21 35		-		9 11		14 27		0 9
1	23 26	_	32 23			19 23		27 5		11 57		21 56		20 24		21 36	0 43			9 9		14 26		0 9
	23 27		42 2			19 7	0 59			11 57		21 55		20 24		21 36	0 43			9 9		14 25		0 9
S 21	23 27	3 s 6 1	43 22	2 32	1 15	18 51	0 51	27 15	4 21	11 57	1 14	21 54	0 2	20 24	0 35	21 36	0 43	12 25	16 46	9 9	8 49	14 23	12 9	0 9
S 22	23 27	7 3 0	38 22	2 10	1 7	18 35	0 43	27 21	4 25	11 56	1 13	21 53	0 2	20 25	0 35	21 36	0 43	12 25	16 46	9 9	8 48	14 22	12 9	0 9
M23	23 27	10 48 01	n31 2	1 48	0 58	18 19	0 35	27 26	4 29	11 56	1 13	21 52	0 2	20 25	0 35	21 36	0 43	12 26	16 46	9 9	8 46	14 21	12 10	0 9
T 24	23 26	14 7 1	41 2	1 25	0 49	18 4	0 26	27 31	4 33	11 56	1 13	21 51	0 2	20 26	0 35	21 37	0 43	12 26	16 47	9 8	8 45	14 19	12 11	0 9
W25	23 25	16 45 2	47 2	1 2	0 39	17 48	0 17	27 36	4 36	11 55	1 12	21 50	0 2	20 26	0 35	21 37	0 43	12 26	16 47	9 7	8 44	14 18	12 11	0 9
T 26	23 23	18 26 3	44 20	0 39	0 28	17 33	0 7	27 41	4 40	11 55	1 12	21 49	0 2	20 27	0 35	21 37	0 43	12 26	16 47	9 5	8 43	14 16	12 12	0 10
F 27	23 21	18 55 4	29 20	0 16	0 17	17 17	0s 3	27 46	4 44	11 55	1 12	21 48		20 27	0 35	21 37	0 43	12 26	16 48	9 2	8 42	14 15	12 13	0 10
S 28	23 19	18 6 4	55 19	9 52	0 6	17 2	0 13	27 51	4 47	11 55	1 12	21 47	0 2	20 28	0 35	21 37	0 43	12 27	16 48	8 58	8 40	14 14	12 13	0 10
S 29	23 16	15 59 5	1 19	9 29	0s 6	16 47	0 23	27 56	4 50	11 55	1 11	21 46	0 2	20 28	0 36	21 38	0 43	12 27	16 49	8 54	8 39	14 12	12 14	0 10
1			n46 19	-	0s19			28 s 0		11 s55		21n45		20 s29		21 s38		12 s27					12n15	-

 $\label{eq:Julian Day Number = 2388874.5, Delta T = 11.74 sec} \\ Ecliptic obliquity = 23°27'33, Nutation = 0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°20'40, Lahiri = 21°27'40} \\$

JULY 1828 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
T 1	18 36 5	995 2'58	26≈16	4 Ω 15	12 Ω 40	9°R10	4°R31	21952	1°R12	17°R14	7 Y 30	22°R36	22 <u>₽</u> 6	5 Ω 0	2 8 40	T 1
W 2	18 40 1	10° 0'08	10 米 50	4°56	12°52	8 궁 52	4°D31	22° 0	1≈10	17 る 12	7°30	22 ≏ 31	22° 3	5° 7	2°42	W 2
T 3	18 43 58	10°57'19	24°59	5°34	13° 2	8°34	4 M .32	22° 8	1°8	17°11	7°30	22°29	22° 0	5°14	2°44	T 3
F 4	18 47 54	11°54'30	8 Ƴ 44	6° 8	13° 9	8°16	4°32	22°15	1° 6	17° 9	7°30	22°D28	21°57	5°20	2°46	F 4
S 5	18 51 51	12°51'42	22° 5	6°38	13°14	7°58	4°32	22°23	1° 4	17° 7	7°30	22°R28	21°53	5°27	2°48	S 5
S 6	18 55 48	13°48'54	5 8 6	7° 4	13°18	7°41	4°33	22°31	1° 1	17° 6	7°30	22°28	21°50	5°34	2°50	S 6
M 7	18 59 44	14°46'06	17°49	7°25	13°R18	7°23	4°34	22°38	0°59	17° 4	7°30	22°26	21°47	5°40	2°51	M 7
T 8	19 3 41	15°43'19	0 耳 19	7°42	13°17	7° 5	4°35	22°46	0°57	17° 2	7°R30	22°21	21°44	5°47	2°53	T 8
W 9	19 7 37	16°40'32	12°37	7°54	13°13	6°48	4°36	22°54	0°54	17° 1	7°30	22°14	21°41	5°54	2°55	W 9
T 10	19 11 34	17°37'46	24°47	8° 1	13° 7	6°31	4°38	23° 2	0°52	16°59	7°30	22° 4	21°38	6° 1	2°56	T 10
F 11	19 15 30	18°35'00	6951	8°R 4	12°59	6°14	4°39	23° 9	0°50	16°58	7°30	21°52	21°34	6° 7	2°58	F 11
S 12	19 19 27	19°32'14	18°49	8° 2	12°48	5°58	4°41	23°17	0°47	16°56	7°30	21°38	21°31	6°14	2°59	S 12
S 13	19 23 23	20°29'29	0 Ω 43	7°55	12°34	5°42	4°43	23°25	0°45	16°54	7°30	21°24	21°28	6°21	3° 1	S 13
M14	19 27 20	21°26'44	12°34	7°44	12°19	5°27	4°45	23°33	0°43	16°53	7°30	21°11	21°25	6°28	3° 2	M14
T 15	19 31 17	22°23'59	24°25	7°27	12° 1	5°12	4°47	23°41	0°40	16°51	7°30	21° 0	21°22	6°34	3° 3	T 15
W16	19 35 13	23°21'14	6 m)17	7° 7	11°41	4°57	4°50	23°48	0°38	16°50	7°30	20°51	21°19	6°41	3° 4	W16
T 17	19 39 10	24°18'30	18°13	6°41	11°18	4°43	4°52	23°56	0°36	16°48	7°29	20°46	21°15	6°48	3° 6	T 17
F 18	19 43 6	25°15'46	0 ჲ 18	6°12	10°54	4°30	4°55	24° 4	0°33	16°46	7°29	20°43	21°12	6°54	3° 7	F 18
S 19	19 47 3	26°13'02	12°34	5°39	10°27	4°17	4°58	24°12	0°31	16°45	7°29	20°41	21° 9	7° 1	3° 8	S 19
S 20	19 50 59	27°10'18	25° 8	5° 3	9°58	4° 5	5° 1	24°19	0°28	16°43	7°29	20°41	21° 6	7°8	3° 9	S 20
M21	19 54 56	28° 7'35	8M 3	4°24	9°28	3°54	5° 5	24°27	0°26	16°42	7°28	20°41	21° 3	7°15	3°10	M21
T 22	19 58 52	29° 4'52	21°24	3°44	8°56	3°43	5° 8	24°35	0°24	16°40	7°28	20°40	20°59	7°21	3°11	T 22
W23	20 2 49	0 Ω 2'10	5 ₹ 15	3° 1	8°23	3°33	5°12	24°43	0°21	16°38	7°28	20°36	20°56	7°28	3°12	W23
T 24	20 6 46	0°59'28	19°35	2°18	7°48	3°24	5°15	24°50	0°19	16°37	7°27	20°30	20°53	7°35	3°12	T 24
F 25	20 10 42	1°56'46	4 궁 21	1°35	7°13	3°15	5°19	24°58	0°16	16°35	7°27	20°22	20°50	7°41	3°13	F 25
S 26	20 14 39	2°54'05	19°29	0°52	6°36	3° 8	5°24	25° 6	0°14	16°34	7°27	20°12	20°47	7°48	3°14	S 26
S 27	20 18 35	3°51'25	4≈48	0°12	5°59	3° 1	5°28	25°14	0°12	16°32	7°26	20° 2	20°44	7°55	3°15	S 27
M28	20 22 32	4°48'45	20° 6	29933	5°22	2°55	5°32	25°21	0° 9	16°31	7°26	19°52	20°40	8° 2	3°15	M28
T 29	20 26 28	5°46'07	5 ₩ 13	28°58	4°44	2°49	5°37	25°29	0° 7	16°29	7°25	19°44	20°37	8° 8	3°16	T 29
W30	20 30 25	6°43'29	20° 0	28°26	4° 7	<u>2°45</u>	5°42	25°37	0° 5	1 <u>6</u> °28	7°25	19°39	20°34	8°15	3°16	W30
T 31	20 34 21	$7\Omega 40'52$	4 Υ 21	279559	3 Ω 30	2 ප් 41	5 M .47	259644	0≈ 2	16 පි 26	7 Y 25	19 ≏ 36	20 ≏ 31	8Ω 22	3 8 17	T 31

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T 1 W 2 T 3 F 4 S 5	23n 9 23 5 23 0 22 56 22 50	4 24 3 21 0n 9 2 20 4 34 1 12 8 38 0 2	18 19 0 17 57 0 17 35 1 17 14 1	45 16 4 0 56 59 15 50 1 8 13 15 36 1 20 27 15 23 1 32	28 9 5 0 3 28 13 5 3 28 17 5 5 2 28 20 5 8	11 56 1 11 11 56 1 10 11 57 1 10 11 57 1 10	21 42 0 3 21 41 0 3 21 40 0 3 21 39 0 3	20 30 0 36 20 30 0 36 20 31 0 36 20 31 0 36	21 s38	12 28 16 50 12 28 16 50 12 29 16 51	8 46 8 45 8 45 8 45	8 36 14 8 35 14 8 33 14 8 32 14	0 12n15 0s10 8 12 16 0 10 7 12 16 0 10 5 12 17 0 10 4 12 17 0 10
S 6 M 7 T 8 W 9 T 10 F 11 S 12	22 38 22 32 22 25 22 18 22 10	15 5 2 10 17 12 3 6 18 30 3 52 18 55 4 27 18 28 4 50	16 34 1 16 15 2 15 58 2 15 41 2 15 27 2	56 14 57 1 58 11 14 45 2 11 26 14 34 2 24 41 14 22 2 38 55 14 12 2 55	3 28 27 5 13 28 30 5 15	11 58 1 9 11 59 1 9 11 59 1 9 12 0 1 8 12 1 1 8	21 36 0 3 21 35 0 3 21 34 0 3 21 33 0 3 21 32 0 3	20 32 0 36 20 33 0 36 20 33 0 36 20 34 0 36 20 34 0 36	21 39 0 43 21 39 0 43 21 39 0 43 21 40 0 43 21 40 0 43 21 40 0 43 21 40 0 43	12 29 16 51 12 30 16 52 12 30 16 52 12 30 16 53 12 31 16 53	8 44 8 43 8 40 8 36 8 32	8 30 14 8 29 14 8 27 13 5 8 26 13 5	57 12 20 0 11 56 12 20 0 11
S 13 M14 T 15 W16 T 17 F 18 S 19	21 54 21 45 21 36 21 26 21 16 21 6 20 55	12 34 4 39 9 27 4 11 5 56 3 32 2 10 2 43 1 s44 1 46	14 51 3 14 43 3 14 36 4 14 31 4 14 28 4	37 13 42 3 33 50 13 34 3 47 2 13 26 4 1 14 13 18 4 15 24 13 12 4 29	28 43 5 23 28 45 5 25 28 47 5 26 28 48 5 27 28 50 5 27 28 51 5 28 5 28 52 5 29	12 3 1 7 12 4 1 7 12 6 1 7 12 7 1 7 12 8 1 6	21 28 0 4 21 27 0 4 21 25 0 4 21 24 0 4 21 23 0 4	20 36 0 36 20 36 0 36 20 37 0 36 20 37 0 36 20 38 0 36	21 41 0 43 21 42 0 43 21 42 0 43	12 32 16 54 12 32 16 54 12 33 16 55 12 33 16 55 12 33 16 55	8 16 8 12 8 9 8 7 8 6	8 21 13 5 8 20 13 5	16 12 23 0 11
S 20 M21 T 22 W23 T 24 F 25 S 26	20 22	12 46 1 31 15 38 2 35 17 42 3 33 18 45 4 19 18 34 4 50	14 31 4 14 36 4 14 42 4 14 50 4 15 0 4	47 12 55 5 10 52 12 51 5 23 56 12 47 5 35 57 12 44 5 43 57 12 42 5 559	28 53 5 29 5 28 54 5 29 7 28 54 5 29 7 28 54 5 29 9 28 54 5 29	12 18 1 4	21 19 0 4 21 18 0 4 21 16 0 4 21 15 0 5 21 14 0 5	20 39 0 36 20 40 0 36 20 40 0 36 20 41 0 36 20 42 0 36	21 42 0 43 21 42 0 43 21 42 0 43 21 43 0 43 21 43 0 43 21 43 0 43 21 43 0 43	12 35 16 57 12 36 16 57 12 36 16 58 12 37 16 58	8 5 8 4 8 3 8 1 7 58	8 12 13 4 8 11 13 3 8 10 13 3 8 8 13 3	13 12 23 0 12 12 12 24 0 12 10 12 24 0 12 19 12 24 0 12 17 12 24 0 12 16 12 24 0 12 14 12 25 0 12
S 27 M28 T 29 W30 T 31	19 18 19 5 18 51 18 36 18n22	10 40 4 21 6 19 3 32 1 40 2 30	15 36 4 15 50 4 16 5 4	46 12 38 6 30 38 12 38 6 39 30 12 38 6 47	28 53 5 28 28 53 5 27 28 52 5 26	12 23 1 4 12 24 1 3 12 26 1 3	21 10 0 5 21 9 0 5 21 7 0 5	20 43 0 36 20 44 0 36 20 44 0 36	21 44 0 43 21 44 0 43 21 44 0 43 21 44 0 43 21 s44 0n43	12 38 16 59 12 38 16 59	7 47 7 44 7 42	8 5 13 3 8 4 13 3	33 12 25 0 12 32 12 25 0 12 30 12 25 0 12 49 12 25 0 13 47 12n25 0 s13

Julian Day Number = 2388904.5, Delta T = 11.69 sec Ecliptic obliquity = 23°27'33, Nutation = 0°00'07, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}20'44$, Lahiri = $21^{\circ}27'44$

AUGUST 1828 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	n	v	Ç	ę,	Day
F 1	20 38 18	8 Ω 38'17	18 Y 13	27°R37	2°R54	2°R38	5 M .52	25952	29°R59	16°R25	7°R24	19°D36	20 <u>ჲ</u> 28	8 Ω 28	3 8 17	F 1
S 2	20 42 15	9°35'43	1839	279520	2 Ω 18	2 ප 36	5°57	26° 0	29 궁 57	16 궁 23	7 Ƴ 23	19 ≏ 36	20°25	8°35	3°17	S 2
S 3	20 46 11	10°33'10	14°40	27° 9	1°44	2°35	6° 2	26° 7	29°55	16°22	7°23	19°R36	20°21	8°42	3°17	S 3
M 4	20 50 8	11°30'38	27°20	27°D 4	1°11	2°D35	6°8	26°15	29°53	16°20	7°22	19°35	20°18	8°49	3°18	M 4
T 5	20 54 4	12°28'08	9 Ⅱ 43	27° 6	0°39	2°35	6°14	26°23	29°50	16°19	7°22	19°32	20°15	8°55	3°18	T 5
W 6	20 58 1	13°25'39	21°55	27°15	0° 9	2°36	6°19	26°30	29°48	16°17	7°21	19°26	20°12	9° 2	3°18	W 6
T 7	21 1 57	14°23'12	3957	27°30	299541	2°39	6°25	26°38	29°46	16°16	7°21	19°18	20° 9	9° 9	3°R18	T 7
F 8	21 5 54	15°20'45	15°54	27°52	29°14	2°42	6°31	26°45	29°43	16°15	7°20	19° 7	20° 5	9°15	3°18	F 8
S 9	21 9 50	16°18'20	27°47	28°21	28°50	2°45	6°38	26°53	29°41	16°13	7°19	18°56	20° 2	9°22	3°18	S 9
S 10	21 13 47	17°15'56	9 Ω 38	28°57	28°28	2°50	6°44	27° 0	29°39	16°12	7°19	18°44	19°59	9°29	3°18	S 10
M11	21 17 44	18°13'33	21°30	29°40	28° 8	2°55	6°51	27° 8	29°37	16°11	7°18	18°33	19°56	9°36	3°17	M11
T 12	21 21 40	19°11'12	3 m 23	$0\Omega^{29}$	27°50	3° 2	6°57	27°15	29°34	16° 9	7°17	18°24	19°53	9°42	3°17	T 12
W13	21 25 37	20° 8'52	15°20	1°25	27°35	3° 9	7° 4	27°22	29°32	16° 8	7°16	18°16	19°50	9°49	3°17	W13
T 14	21 29 33	21° 6'32	27°22	2°28	27°22	3°17	7°11	27°30	29°30	16° 7	7°16	18°12	19°46	9°56	3°16	T 14
F 15	21 33 30	22° 4'14	9 <u>₽</u> 31	3°37	27°11	3°25	7°18	27°37	29°28	16° 6	7°15	18°10	19°43	10° 2	3°16	F 15
S 16	21 37 26	23° 1'57	21°52	4°51	27° 3	3°35	7°26	27°44	29°26	16° 4	7°14	18°D 9	19°40	10° 9	3°16	S 16
S 17	21 41 23	23°59'42	4ML28	6°12	26°57	3°45	7°33	27°52	29°24	16° 3	7°13	18°10	19°37	10°16	3°15	S 17
M18	21 45 19	24°57'27	17°23	7°37	26°53	3°56	7°40	27°59	29°22	16° 2	7°13	18°11	19°34	10°23	3°14	M18
T 19	21 49 16	25°55'14	0 √ 40	9° 8	26°D52	4° 8	7°48	28° 6	29°19	16° 1	7°12	18°R11	19°30	10°29	3°14	T 19
W20	21 53 13	26°53'01	14°23	10°43	26°53	4°20	7°56	28°13	29°17	16° 0	7°11	18°10	19°27	10°36	3°13	W20
T 21	21 57 9	27°50'50	28°32	12°22	26°57	4°33	8° 4	28°21	29°15	15°59	7°10	18° 6	19°24	10°43	3°12	T 21
F 22	22 1 6	28°48'40	13중 7	14° 5	27° 2	4°47	8°12	28°28	29°13	15°58	7° 9	18° 1	19°21	10°49	3°11	F 22
S 23	22 5 2	29°46'31	28° 3	15°51	27°10	5° 2	8°20	28°35	29°11	15°56	7° 8	17°54	19°18	10°56	3°11	S 23
S 24	22 8 59	0 m 44'24	13≈13	17°40	27°20	5°17	8°28	28°42	29°10	15°55	7° 7	17°47	19°15	11° 3	3°10	S 24
M25	22 12 55	1°42'18	28°27	19°32	27°33	5°33	8°36	28°49	29° 8	15°54	7° 6	17°41	19°11	11°10	3° 9	M25
T 26	22 16 52	2°40'14	13) 34	21°25	27°47	5°49	8°45	28°56	29° 6	15°53	7° 6	17°36	19° 8	11°16	3° 8	T 26
W27	22 20 48	3°38'11	28°24	23°20	28° 3	6° 7	8°53	29° 2	29° 4	15°52	7° 5	17°32	19° 5	11°23	3° 7	W27
T 28	22 24 45	4°36'10	12 Y 52	25°16	28°21	6°24	9° 2	29° 9	29° 2	15°52	7° 4	17°D31	19° 2	11°30	3° 5	T 28
F 29	22 28 42	5°34'10	26°52	27°13	28°41 29° 3	6°43	9°11	29°16	29° 0	15°51	7° 3	17°31	18°59	11°36	3° 4 3° 3	F 29
S 30	22 32 38	6°32'13	10825	29°10		7° 2	9°20	29°23	28°59	15°50	7° 2	17°32	18°56	11°43		S 30
S 31	22 36 35	7 m 30'17	23831	1 m) 7	299526	7 ට 21	9 M 29	29930	28 궁 57	15 る 49	7 ℃ 1	17 ≏ 34	18 ≏ 52	11 Ω 50	3 8 2	S 31

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F 1 S 2	18n 7 17 52	7n16 0n 1	7 16n36 4 16 52				12 s 3 0 12 3 2		21n 5 21 3		20 s45 20 46		21 s45 0n43 21 45 0 43		7 s40 7 40		13n26 13 24	12n25 0s13 12 25 0 13
S 3 M 4 T 5 W 6 T 7	16 32	16 33 3 6 18 5 3 5 18 44 4 2 18 32 4 5	2 18 4	3 27 12 48 3 12 12 51 2 56 12 54 2 40 12 58	7 17 28 4 7 21 28 4 7 23 28 4 7 25 28 4	7 5 21 6 5 20 4 5 18 3 5 17	12 38 12 40 12 43	1 1 1 1	21 1 20 59 20 58 20 57	0 6 0 6 0 6 0 6	20 47 20 48 20 48	0 36 0 36 0 36 0 36	21 45 0 43 21 45 0 43 21 45 0 43 21 46 0 43	12 42 17 2 12 42 17 2 12 43 17 2	7 40 7 40 7 39 7 37 7 33	7 56 7 55 7 54 7 53	13 21 13 20 13 19 13 17	12 25 0 13 12 25 0 13 12 25 0 13
F 8 S 9	15 58	15 44 4 59	2 18 16 9 18 27	2 6 13 7	7 27 28 3	9 5 14	12 45 12 47	1 1		0 6	20 49 20 49	0 36	21 46 0 43 21 46 0 43	12 44 17 3	7 30 7 25	7 50		12 25 0 14
S 10 M11 T 12 W13 T 14 F 15 S 16	15 40 15 23 15 5 14 47 14 28 14 10 13 51	10 19 4 13 6 55 3 36 3 14 2 46 0 s 3 7 1 4 9	5 18 49 5 18 53 9 18 54 6 18 53	1 33 13 16 1 17 13 21 1 0 13 25 0 45 13 30 0 29 13 36	7 26 28 3 7 25 28 3 7 23 28 3 7 20 28 3 7 17 28 2	6 5 10 4 5 8 2 5 7 0 5 5 8 5 3	12 59 13 2	1 0 1 0 1 0 1 0 0 59	20 50 20 48 20 47	0 6 0 6 0 6 0 6 0 7	20 50 20 50 20 50 20 51 20 51 20 52 20 52	0 36 0 36 0 36 0 36 0 36	21 46 0 43 21 46 0 43 21 47 0 43 21 47 0 43 21 47 0 43 21 47 0 42 21 47 0 42	12 45 17 3 12 46 17 4 12 46 17 4 12 47 17 4 12 47 17 5	7 21 7 17 7 13 7 10 7 8 7 8 7 8	7 48	13 11 13 10 13 8 13 7 13 5	12 25 0 14 12 24 0 14 12 23 0 14
S 17 M18 T 19 W20 T 21 F 22 S 23	13 13 12 53 12 34 12 14 11 54	18 37 4 50 17 44 5	18 35	0n13 13 51 0 26 13 56 0 37 14 1 0 48 14 6 0 58 14 10	7 5 28 2 7 0 28 1 6 54 28 1 6 6 49 28 1 6 6 43 28 1	1 4 57 8 4 55 6 4 53 3 4 51 1 4 48		0 59 0 58 0 58 0 58 0 58	20 43 20 42 20 40 20 39 20 38 20 36 20 35	0 7 0 7 0 7 0 7 0 7	20 53 20 53 20 54 20 54 20 54 20 55 20 55	0 36 0 36 0 36 0 36 0 36	21 47 0 42 21 48 0 42	12 49 17 5 12 49 17 6 12 50 17 6 12 51 17 6 12 51 17 6	7 8 7 8 7 8 7 8 7 6 7 4 7 2	7 36 7 35	13 1 13 0 12 58	12 22 0 15 12 21 0 15
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	10 53 10 32 10 11 9 50 9 29 9 7	8 22 3 5 3 48 2 5 5 0n55 1 4 5 28 0 2 9 35 0s5 13 2 2	15 46	1 22 14 24 1 29 14 28 1 34 14 32 1 38 14 35 1 41 14 38 1 44 14 41	6 24 28 6 17 27 5 6 10 27 5 6 6 3 27 5 5 5 55 27 5 5 48 27 4	2 4 42 9 4 40 6 4 37 3 4 35 0 4 33 6 4 31	13 26 13 29 13 32 13 35 13 38 13 41 13 44 13 s47	0 57 0 57 0 57 0 57 0 56 0 56	20 34 20 32 20 31 20 30 20 28 20 27 20 26 20n24	0 8 0 8 0 8 0 8 0 8	20 56 20 56 20 56 20 57 20 57 20 57 20 58 20 s58	0 36 0 36 0 36 0 36 0 36 0 36	21 49 0 42 21 49 0 42	12 53 17 7 12 54 17 7	6 59 6 57 6 55 6 53 6 53 6 53 6 53	7 31 7 30 7 29 7 28 7 26 7 25	12 48 12 46 12 45 12 43	12 20 0 15 12 20 0 15 12 19 0 15 12 19 0 15

Julian Day Number = 2388935.5, Delta T = 11.63 sec Ecliptic obliquity = 23°27'33, Nutation = $0^\circ00'07$, out-of-bounds declination in red

SEPTEMBER 1828 00:00 UT

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Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)ਮੂ(并	В	n	v	Ç	Ŷ,	Day
M 1	22 40 31	8 mg 28'24	6 I I14	3 mg 5	29952	7 云 42	9 M .38	29936	28°R55	15°R48	7°R 0	17°R34	18 ≏ 49	11 Ω 57	3°R 0	M 1
T 2	22 44 28	9°26'33	18°39	5° 2	$0\Omega 19$	8° 2	9°47	29°43	28 궁 54	15 る 47	6 Y 59	17 ≏ 34	18°46	12° 3	2 8 59	T 2
W 3	22 48 24	10°24'43	09549	6°59	0°47	8°24	9°57	29°49	28°52	15°46	6°58	17°32	18°43	12°10	2°58	W 3
T 4	22 52 21	11°22'56	12°49	8°55	1°17	8°45	10° 6	29°56	28°50	15°46	6°57	17°28	18°40	12°17	2°56	T 4
F 5	22 56 17	12°21'10	24°42	10°50	1°49	9° 8	10°16	0Ω 2	28°49	15°45	6°56	17°23	18°36	12°23	2°54	F 5
S 6	23 0 14	13°19'27	6 Ω 34	12°45	2°22	9°31	10°25	0° 9	28°47	15°44	6°55	17°17	18°33	12°30	2°53	S 6
S 7	23 4 10	14°17'45	18°25	14°38	2°56	9°54	10°35	0°15	28°46	15°44	6°53	17°11	18°30	12°37	2°51	S 7
M 8	23 8 7	15°16'06	0 Mp 20	16°31	3°31	10°18	10°45	0°21	28°44	15°43	6°52	17° 6	18°27	12°44	2°50	M 8
T 9	23 12 4	16°14'28	12°19	18°23	4° 8	10°43	10°55	0°28	28°43	15°42	6°51	17° 1	18°24	12°50	2°48	T 9
W10	23 16 0	17°12'52	24°24	20°13	4°46	11° 7	11° 5	0°34	28°42	15°42	6°50	16°57	18°21	12°57	2°46	W10
T 11	23 19 57	18°11'18	6 ≏ 37	22° 3	5°25	11°33	11°15	0°40	28°40	15°41	6°49	16°55	18°17	13° 4	2°44	T 11
F 12	23 23 53	19° 9'45	19° 0	23°51	6° 6	11°59	11°25	0°46	28°39	15°41	6°48	16°D55	18°14	13°10	2°42	F 12
S 13	23 27 50	20° 8'15	1 M .33	25°39	6°47	12°25	11°36	0°52	28°38	15°40	6°47	16°56	18°11	13°17	2°40	S 13
S 14	23 31 46	21° 6'46	14°21	27°25	7°30	12°52	11°46	0°58	28°37	15°40	6°46	16°57	18° 8	13°24	2°38	S 14
M15	23 35 43	22° 5'19	27°23	29°11	8°13	13°19	11°57	1° 4	28°36	15°39	6°45	16°59	18° 5	13°31	2°36	M15
T 16	23 39 39	23° 3'54	10 ∡ 144	0 ჲ 55	8°58	13°47	12° 7	1°10	28°35	15°39	6°44	17° 0	18° 2	13°37	2°34	T 16
W17	23 43 36	24° 2'30	24°23	2°38	9°43	14°15	12°18	1°15	28°34	15°39	6°42	17°R 0	17°58	13°44	2°32	W17
T 18	23 47 33	25° 1'08	8 云 23	4°20	10°29	14°43	12°29	1°21	28°33	15°38	6°41	17° 0	17°55	13°51	2°30	T 18
F 19	23 51 29	25°59'47	22°42	6° 2	11°16	15°12	12°40	1°27	28°32	15°38	6°40	16°58	17°52	13°57	2°28	F 19
S 20	23 55 26	26°58'29	7≈19	7°42	12° 4	15°41	12°51	1°32	28°31	15°38	6°39	16°56	17°49	14° 4	2°26	S 20
S 21	23 59 22	27°57'12	22° 7	9°21	12°53	16°11	13° 2	1°38	28°30	15°38	6°38	16°54	17°46	14°11	2°23	S 21
M22	0 3 19	28°55'56	7 ∺ 0	10°59	13°43	16°41	13°13	1°43	28°29	15°37	6°37	16°51	17°42	14°17	2°21	M22
T 23	0 7 15	29°54'43	21°51	12°37	14°33	17°11	13°24	1°48	28°28	15°37	6°35	16°50	17°39	14°24	2°19	T 23
W24	0 11 12	0 ჲ 53'31	6 Υ 31	14°13	15°24	17°42	13°35	1°53	28°28	15°37	6°34	16°49	17°36	14°31	2°16	W24
T 25	0 15 8	1°52'22	20°54	15°48	16°16	18°13	13°46	1°59	28°27	15°37	6°33	16°D48	17°33	14°38	2°14	T 25
F 26	0 19 5	2°51'14	4 8 55	17°23	17° 8	18°44	13°58	2° 4	28°26	15°37	6°32	16°49	17°30	14°44	2°12	F 26
S 27	0 23 2	3°50'09	18°31	18°57	18° 1	19°16	14° 9	2° 9	28°26	15°D37	6°31	16°50	17°27	14°51	2° 9	S 27
S 28	0 26 58	4°49'07	1 Ⅱ 42	20°29	18°55	19°47	14°21	2°14	28°25	15°37	6°30	16°51	17°23	14°58	2° 7	S 28
M29	0 30 55	5°48'06	14°30	22° 1	19°50	20°20	14°32	2°18	28°25	15°37	6°28	16°52	17°20	15° 4	2° 4	M29
T 30	0 34 51	6 ₽ 47'08	26耳59	23 ॒ 32	20 Ω 45	20 궁 52	14 M .44	$2\Omega 23$	28 궁 24	15 云 37	6 ℃ 27	16 ♀ 53	17 ♀ 17	15 Ω 11	2 8 2	T 30

Day	· O	D		ğ	5	ς	2	ð	1	2	ł	ħ	l);	j (j	ŧ,	E	2	ก	Ω	Ç	ķ
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M 1	8n24	17n32	3 s54	12n 3	1n47	14n46	5 s33	27 s40	4 s 2 6	13 s50	0n56	20n23	0n 8	20 s58	0s36	21 s50	0n42	12 s57	17s 8	6s54	7 s23	12n40	12n17 0s16
T 2	8 2	18 27	4 32	11 20	1 47	14 48	5 25	27 36	4 24	13 53	0 56	20 22	0 8	20 59	0 36	21 50	0 42	12 57	17 9	6 54	7 21	12 39	12 16 0 16
W 3	7 40	18 29	4 58	10 36	1 47	14 50	5 17	27 32	4 21	13 56	0 55	20 20	0 8	20 59	0 36	21 50	0 42	12 58	17 9	6 53	7 20	12 37	12 16 0 16
T 4	7 18	17 42	5 10	9 52	1 46	14 51	5 10	27 29	4 19	13 59	0 55	20 19	0 8	20 59	0 36	21 50	0 42	12 58	17 9	6 52	7 19	12 36	12 15 0 16
F 5	6 56	16 8 3	5 8	9 7	1 44	14 52	5 2	27 25	4 17	14 2	0 55	20 18	0 9	21 0	0 36	21 50	0 42	12 59	17 9	6 50	7 18	12 34	12 14 0 16
S 6	6 34	13 54	4 54	8 21	1 42	14 53	4 54	27 21	4 14	14 5	0 55	20 17	0 9	21 0	0 36	21 50	0 42	13 0	17 9	6 48	7 17	12 33	12 14 0 16
S 7	6 11	11 5	4 26	7 34	1 39	14 53	4 46	27 16	4 12	14 9	0 55	20 15	0 9	21 0	0 36	21 50	0 42	13 0	17 9	6 45	7 15	12 31	12 13 0 16
M 8	5 49	7 49	3 47	6 48	1 36	14 52	4 38	27 12	4 9	14 12	0 54	20 14	0 9	21 1	0 36	21 50	0 42	13 1	17 10	6 43	7 14	12 30	12 12 0 16
T 9	5 26	4 12	2 58	6 1	1 32	14 52	4 30	27 8	4 7	14 15	0 54	20 13	0 9	21 1	0 36	21 51	0 42	13 1	17 10	6 41	7 13	12 28	12 12 0 17
W10	5 3	0 23 2	2 0	5 13	1 28	14 51	4 22	27 3	4 5	14 19	0 54	20 12	0 9	21 1	0 35	21 51	0 42	13 2	17 10	6 40	7 12	12 27	12 11 0 17
T 11	4 40	3 s29	0 56	4 26	1 23	14 49	4 14	26 59	4 2	14 22	0 54	20 10	0 9	21 1	0 35	21 51	0 42	13 2	17 10	6 39	7 11	12 25	12 10 0 17
F 12	4 18	7 16	0n11	3 39	1 19	14 47	4 6	26 54	4 0	14 25	0 54	20 9	0 9	21 2	0 35	21 51	0 42	13 3	17 10	6 39	7 9	12 24	12 9 0 17
S 13	3 55	10 47	1 20	2 51	1 13	14 45	3 58	26 49	3 58	14 29	0 54	20 8	0 9	21 2	0 35	21 51	0 42	13 3	17 10	6 39	7 8	12 22	12 9 0 17
S 14	3 32	13 51 2	2 25	2 4	1 8	14 42	3 50	26 44	3 55	14 32	0 53	20 7	0 9	21 2	0 35	21 51	0 42	13 4	17 10	6 40	7 7	12 21	12 8 0 17
M15	3 8	16 16	3 25	1 17	1 2	14 38	3 43	26 39	3 53	14 35	0 53	20 6	0 10	21 2	0 35	21 51	0 42	13 4	17 10	6 41	7 6	12 19	12 7 0 17
T 16	2 45	17 53	4 14	0 30	0 56	14 35	3 35	26 34	3 51	14 39	0 53	20 4	0 10	21 2	0 35	21 51	0 42	13 5	17 11	6 41	7 5	12 18	12 6 0 17
W17	2 22	18 30	4 51	0s17	0 50	14 30	3 27	26 29	3 48	14 42	0 53		0 10	21 3	0 35	21 51	0 42	13 5	17 11	6 41	7 3	12 16	12 6 0 17
T 18	1 59	18 1	5 12	1 3	0 44	14 26	3 19	26 23	3 46	14 46	0 53	20 2	0 10	21 3	0 35	21 51	0 41	13 6	17 11	6 41	7 2	12 15	12 5 0 17
F 19	1 36	16 23	5 14	1 49	0 37	14 20	3 12	26 18	3 43	14 49	0 53	20 1	0 10	21 3	0 35	21 51	0 41	13 7	17 11	6 40	7 1	12 13	12 4 0 17
S 20	1 12	13 41	4 56	2 35	0 31	14 15	3 4	26 12	3 41	14 52	0 52	20 0	0 10	21 3	0 35	21 51	0 41	13 7	17 11	6 40	7 0	12 12	12 3 0 18
S 21	0 49	10 5	4 18	3 20	0 24	14 8	2 56	26 6	3 39	14 56	0 52	19 59	0 10	21 3	0 35	21 52	0 41	13 8	17 11	6 39	6 58	12 10	12 2 0 18
M22	0 26	5 49	3 22	4 5	0 17	14 2	2 49	26 0	3 36	14 59	0 52	19 58	0 10	21 3	0 35	21 52	0 41	13 8	17 11	6 38	6 57	12 9	12 1 0 18
T 23	0 2	1 11 2	2 14	4 50	0 10	13 55	2 41	25 54	3 34	15 3	0 52	19 57	0 10	21 4	0 35	21 52	0 41	13 9	17 11	6 37	6 56	12 7	12 0 0 18
W24	0 s21	3n27	0 57	5 34	0 3	13 47	2 34	25 47	3 32	15 6	0 52	19 56	0 11	21 4	0 35	21 52	0 41	13 9	17 11	6 37	6 55	12 6	12 0 0 18
T 25	0 45	7 49 (0 s23	6 17	0s 4	13 39	2 26	25 41	3 29	15 10	0 52	19 55	0 11	21 4	0 35	21 52	0 41	13 10	17 11	6 37	6 54	12 4	11 59 0 18
F 26	1 8	11 37	1 39	7 0	0 11	13 30	2 19	25 34	3 27	15 13	0 51	19 54	0 11	21 4	0 35	21 52	0 41	13 10	17 11	6 37	6 52	12 3	11 58 0 18
S 27	1 32	14 41 2	2 47	7 43	0 18	13 21	2 12	25 27	3 25	15 17	0 51	19 52	0 11	21 4	0 35	21 52	0 41	13 11	17 11	6 37	6 51	12 1	11 57 0 18
S 28	1 55	16 52	3 44	8 24	0 26	13 11	2 5	25 20	3 23	15 21	0 51	19 51	0 11	21 4	0 35	21 52	0 41	13 11	17 11	6 38	6 50	12 0	11 56 0 18
M29	2 18	18 7	4 28	9 6	0 33	13 1	1 58	25 13	3 20	15 24	0 51	19 50	0 11	21 4	0 35	21 52	0 41	13 11	17 11	6 38	6 49	11 58	11 55 0 18
T 30	2 s42	18n27	4 s 5 8	9 s46	0 s40	12n50	1 s 5 1	25 s 6	3 s 1 8	15 s28	0n51	19n50	0n11	21 s 4	0s35	21 s52	0n41	13 s12	17s11	6s38	6 s48	11n57	11n54 0s19

Julian Day Number = 2388966.5, Delta T = 11.57 sec Ecliptic obliquity = 23°27'33, Nutation = 0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 22°20'52, Lahiri = 21°27'53

OCTOBER 1828 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(,	Р	R	ດ	Ç	ķ	Day
W 1	0 38 48	7 ≏ 46'12	99511	25 ♀ 3	21 Ω 40	21 중 25	14ML56	2 Ω 28	28°R24	15 ට 37	6°R26	16°R53	17 ♀ 14	15 Ω 18	1°R59	W 1
T 2	0 38 48	8°45'19	21°12	26°32	22°37	21°58	15° 8	2°33	28 K24 28 3 24	15°37	6Υ25	16 R33 16 Ω 52	17°11	15°25	1 8 39	T 2
F 3	0 46 41	9°44'27	3 \Omega 5	28° 1	23°33	22°31	15°20	2°37	28°23	15°37	6°24	16°52	17° 7	15°31	1°54	F 3
S 4	0 50 37	10°43'38	14°57	29°28	24°31	23° 5	15°31	2°42	28°23	15°38	6°23	16°51	17° 4	15°38	1°51	S 4
S 5	0 54 34	11°42'51	26°49	0 M .55	25°28	23°39	15°43	2°46	28°23	15°38	6°21	16°50	17° 1	15°45	1°48	S 5
M 6	0 58 30	12°42'07	8 Mp 47	2°21	26°27	24°13	15°56	2°50	28°23	15°38	6°20	16°50	16°58	15°51	1°46	M 6
1 '	1 2 27	13°41'25	20°53	3°46	27°25	24°48	16° 8	2°54	28°23	15°38	6°19	16°49	16°55	15°58	1°43	T 7
W 8 T 9	1 6 24 1 10 20	14°40'44 15°40'06	3 <u>Ω</u> 9 15°37	5°10 6°33	28°25 29°24	25°22 25°57	16°20 16°32	2°58 3° 2	28°D23 28°23	15°39 15°39	6°18 6°17	16°49 16°D49	16°52 16°48	16° 5 16°11	1°40 1°37	W 8 T 9
F 10	1 10 20	16°39'30	28°18	7°55	0 m 24	26°32	16°32	3° 6	28°23	15°39	6°17	16°R49	16°48	16°11	1°37	F 10
S 11	1 14 17	10 39 30 17°38'56	11 M 12	9°16	1°25	20° 32 27° 8	16°57	3°10	28°23	15°40	6°14	16°49	16°42	16°25	1°32	S 11
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S 12	1 22 10	18°38'24	24°20	10°36	2°26	27°43	17° 9	3°14	28°23	15°40	6°13	16°49	16°39	16°32	1°29	S 12
M13	1 26 6	19°37'54	7 . ₹42	11°55	3°27	28°19	17°21	3°17	28°23	15°41	6°12	16°49	16°36	16°38	1°26	M13
T 14	1 30 3	20°37'26	21°16	13°12	4°29	28°55	17°34	3°21	28°23	15°41	6°11	16°48	16°33	16°45	1°23	T 14
W15	1 33 59	21°37'00	5 궁 3	14°29	5°31	29°32	17°46	3°24	28°24	15°42	6°10	16°48	16°29	16°52	1°20	W15
T 16	1 37 56	22°36'35	19° 2	15°43	6°33	0≈ 8	17°59	3°28	28°24	15°43	6° 9	16°D48	16°26	16°58	1°17	T 16
F 17	1 41 53	23°36'12	3≈11	16°57	7°36	0°45	18°12	3°31	28°25	15°43	6° 8	16°48	16°23	17° 5	1°15	F 17
S 18	1 45 49	24°35'51	17°29	18° 8	8°39	1°22	18°24	3°34	28°25	15°44	6° 6	16°48	16°20	17°12	1°12	S 18
S 19	1 49 46	25°35'31	1) 53	19°18	9°42	1°59	18°37	3°37	28°26	15°45	6° 5	16°49	16°17	17°19	1° 9	S 19
M20	1 53 42	26°35'13	16°19	20°26	10°46	2°36	18°50	3°40	28°26	15°45	6° 4	16°50	16°13	17°25	1° 6	M20
T 21	1 57 39	27°34'57	0 Υ 42	21°32	11°50	3°13	19° 2	3°43	28°27	15°46	6° 3	16°50	16°10	17°32	1° 3	T 21
W22	2 1 35	28°34'43	14°59	22°36	12°54	3°51	19°15	3°46	28°28	15°47	6° 2	16°R51	16° 7	17°39	1° 0	W22
T 23	2 5 32	29°34'30	29° 4	23°36	13°59	4°29	19°28	3°48	28°28	15°48	6° 1	16°51	16° 4	17°45	0°57	T 23
F 24	2 9 28	0MJ34'20	12853	24°34	15° 4	5° 7	19°41	3°51	28°29	15°49	6° 0	16°50	16° 1	17°52	0°54	F 24
S 25	2 13 25	1°34'11	26°23	25°29	16° 9	5°45	19°54	3°53	28°30	15°49	5°59	16°48	15°58	17°59	0°51	S 25
S 26	2 17 22	2°34'05	9П33	26°20	17°15	6°23	20° 7	3°55	28°31	15°50	5°58	16°46	15°54	18° 5	0°48	S 26
M27	2 21 18	3°34'01	22°22	27° 8	18°21	7° 1	20°20	3°58	28°32	15°51	5°57	16°43	15°51	18°12	0°45	M27
T 28	2 25 15	4°33'59	4953	27°51	19°27	7°40	20°33	4° 0	28°33	15°52	5°56	16°41	15°48	18°19	0°42	T 28
W29	2 29 11	5°33'59	17° 7	28°29	20°33	8°18	20°46	4° 2	28°34	15°53	5°55	16°39	15°45	18°26	0°39	W29
T 30	2 33 8	6°34'02	29° 9	29° 2	21°39	8°57	20°59	4° 4	28°35	15°54	5°54	16°38	15°42	18°32	0°36	T 30
F 31	2 37 4	7 M 34'06	11 0 3	29M28	22 Mp 46	9 ≈ 36	21 M 12	4 Ω 6	28 궁 36	15 る 55	5 Ƴ 53	16°D38	15 ≏ 38	18 Ω 39	0 8 34	F 31

Day	0	D	ğ	φ	ð	4	ħ)Å(卉	Р	ß	Ω	₿ &
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	ecl decl lat
W 1 T 2	3 s 5 3 28	16 35 5 16		5 12 28 1 37 <mark>24</mark>	51 3 13		19 48 0 11	21 4 0 35	21 s52 0n41 21 52 0 41		6 38	6 45 11	155 11n53 0s19 53 11 52 0 19
F 3 S 4		11 54 4 40	11 44 1 2 12 22 1 9	12 3 1 23 24	35 3 9	15 42 0 50	19 47 0 12 19 46 0 12	21 4 0 35	21 52 0 41 21 52 0 41	13 14 17 11	6 38	6 43 11	52 11 51 0 19 50 11 50 0 19
S 5 M 6 T 7	4 38 5 1 5 24		13 36 1 23		19 3 4	15 49 0 50	19 45 0 12 19 44 0 12 19 43 0 12	21 4 0 35	21 52 0 41 21 52 0 41 21 52 0 41	13 15 17 11	6 37	6 40 11	49 11 49 0 19 47 11 48 0 19 46 11 47 0 19
W 8 T 9	5 47 6 10	2 s 2 4	14 46 1 37 15 20 1 43	7 11 8 0 58 24 3 10 53 0 51 23	2 3 0 53 2 58	15 56 0 50 16 0 0 50	19 42 0 12 19 42 0 12	21 4 0 35 21 4 0 35	21 52 0 41 21 52 0 41	13 15 17 11 13 16 17 11	6 37 6 37	6 38 11 6 37 11	44 11 46 0 19 43 11 45 0 19
F 10 S 11	6 33 6 56	13 7 2 11	16 26 1 56		35 2 53	16 7 0 49	19 41 0 12 19 40 0 12	21 4 0 35	21 52 0 41 21 52 0 41	13 17 17 11	6 37	6 34 11	41 11 44 0 19 40 11 43 0 20
S 12 M13 T 14	, -,	15 44 3 14 17 33 4 6 18 25 4 46		9 50 0 27 23	16 2 49	16 14 0 49	19 39 0 13 19 39 0 13 19 38 0 13	21 4 0 35	21 52 0 41 21 52 0 41 21 52 0 41	13 17 17 11	6 37	6 32 11	38 11 42 0 20 36 11 40 0 20 35 11 39 0 20
W15 T 16 F 17	8 26 8 48 9 10	16 52 5 17	18 52 2 25	8 57 0 10 22	47 2 42	16 22 0 49 16 25 0 49 16 29 0 49	19 36 0 13	21 4 0 35	21 52 0 41 21 52 0 41 21 52 0 41		6 36	6 28 11	33 11 38 0 20 32 11 37 0 20 30 11 36 0 20
S 18 S 19	9 32 9 54	11 16 4 33 7 19 3 44	19 44 2 35 20 7 2 39			16 32 0 49 16 36 0 49	19 35 0 13 19 35 0 13						29 11 35 0 20 27 11 34 0 20
M20 T 21 W22	10 16 10 37 10 59	2 56 2 41 1n38 1 28 6 4 0 10		7 7 23 0 16 21	55 2 32		19 34 0 13 19 34 0 14 19 33 0 14	21 3 0 35	21 52 0 40 21 52 0 40 21 51 0 40	13 20 17 10	6 37	6 22 11	26 11 33 0 20 24 11 32 0 20 22 11 31 0 21
T 23 F 24 S 25	11 20 11 41	10 6 1s 7 13 30 2 19	21 29 2 53 21 45 2 55	3 6 42 0 26 21 5 6 22 0 31 21	33 2 28 22 2 26	16 50 0 48 16 54 0 48		21 3 0 35 21 3 0 35	21 51 0 40 21 51 0 40 21 51 0 40	13 21 17 10 13 21 17 9	6 37 6 37	6 19 11 6 18 11	21 11 30 0 21 19 11 28 0 21
S 26	12 22	17 45 4 12	22 14 2 58	5 39 0 40 20	59 2 22	17 1 0 48	19 31 0 14	21 2 0 34	21 51 0 40	13 21 17 9	6 36	6 16 11	16 11 26 0 21
M27 T 28 W29	-	18 13 5 9	22 25 2 58 22 35 2 57 22 42 2 56	7 4 56 0 48 20	35 2 18	17 8 0 48	19 31 0 14 19 30 0 14 19 30 0 15	21 2 0 34	21 51 0 40 21 51 0 40 21 51 0 40	13 22 17 9	6 34	6 13 11	15 11 25 0 21 13 11 24 0 21 11 11 23 0 21
T 30 F 31	13 43 14 s 3		22 47 2 54 22 s50 2 s50				19 30 0 15 19n29 0n15		21 51 0 40 21 s51 0n40				10 11 22 0 21 n 8 11n21 0 s21

Julian Day Number = 2388996.5, Delta T = 11.51 sec Ecliptic obliquity = 23°27'33, Nutation = 0°00'05, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}20'57$, Lahiri = $21^{\circ}27'57$

NOVEMBER 1828 00:00 UT

1101	HIDEN 1	.020													00.0	0 01
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(卉	В	S.	Ω	Ç	ę,	Day
S 1	2 41 1	8 M .34'13	22 N 55	29 M 48	23 m 53	10≈15	21 M 25	4 Ω 7	28 궁 37	15 る 57	5°R52	16 ₽ 39	15 ≏ 35	18 Ω 46	0°R31	S 1
S 2	2 44 57	9°34'21	4 Mp 48	0 √ 1	25° 1	10°54	21°38	4° 9	28°38	15°58	5 Υ 51	16°40	15°32	18°52	0 8 28	S 2
M 3	2 48 54	10°34'32	16°47	0°R 6	26° 8	11°33	21°51	4°10	28°40	15°59	5°50	16°42	15°29	18°59	0°25	M 3
T 4	2 52 51	11°34'45	28°57	0° 3	27°16	12°13	22° 4	4°12	28°41	16° 0	5°49	16°43	15°26	19° 6	0°22	T 4
W 5	2 56 47	12°34'59	11 ≏ 22	29M50	28°24	12°52	22°18	4°13	28°42	16° 1	5°48	16°R44	15°23	19°12	0°19	W 5
T 6	3 0 44	13°35'16	24° 3	29°28	29°32	13°32	22°31	4°14	28°44	16° 3	5°47	16°44	15°19	19°19	0°16	T 6
F 7	3 4 40	14°35'34	7 m 3	28°56	0 ჲ 40	14°12	22°44	4°15	28°45	16° 4	5°46	16°43	15°16	19°26	0°13	F 7
S 8	3 8 37	15°35'55	20°21	28°14	1°49	14°52	22°57	4°16	28°47	16° 5	5°45	16°40	15°13	19°33	0°11	S 8
S 9	3 12 33	16°36'17	3 ₹ 55	27°22	2°57	15°32	23°11	4°17	28°48	16° 7	5°45	16°36	15°10	19°39	0° 8	S 9
M10	3 16 30	17°36'40	17°44	26°21	4° 6	16°12	23°24	4°17	28°50	16° 8	5°44	16°31	15° 7	19°46	0° 5	M10
T 11	3 20 26	18°37'06	1 る 44	25°13	5°15	16°52	23°37	4°18	28°52	16° 9	5°43	16°26	15° 4	19°53	0° 2	T 11
W12	3 24 23	19°37'32	15°51	23°58	6°24	17°32	23°51	4°18	28°53	16°11	5°42	16°21	15° 0	19°59	29 Y 59	W12
T 13	3 28 20	20°38'00	0≈ 1	22°39	7°34	18°13	24° 4	4°19	28°55	16°12	5°41	16°18	14°57	20° 6	29°57	T 13
F 14	3 32 16	21°38'30	14°12	21°18	8°43	18°53	24°17	4°19	28°57	16°14	5°41	16°17	14°54	20°13	29°54	F 14
S 15	3 36 13	22°39'00	28°22	19°58	9°53	19°34	24°31	4°R19	28°59	16°15	5°40	16°D16	14°51	20°19	29°51	S 15
S 16	3 40 9	23°39'32	12 ∺ 28	18°41	11° 3	20°15	24°44	4°19	29° 1	16°17	5°39	16°17	14°48	20°26	29°49	S 16
M17	3 44 6	24°40'05	26°30	17°31	12°13	20°55	24°57	4°19	29° 3	16°18	5°38	16°19	14°44	20°33	29°46	M17
T 18	3 48 2	25°40'39	10 Υ 26	16°29	13°23	21°36	25°10	4°19	29° 5	16°20	5°38	16°R20	14°41	20°39	29°44	T 18
W19	3 51 59	26°41'15	24°14	15°36	14°33	22°17	25°24	4°18	29° 7	16°21	5°37	16°20	14°38	20°46	29°41	W19
T 20	3 55 55	27°41'51	7 8 52	14°55	15°44	22°58	25°37	4°18	29° 9	16°23	5°36	16°18	14°35	20°53	29°39	T 20
F 21	3 59 52	28°42'30	21°20	14°25	16°54	23°39	25°50	4°17	29°11	16°25	5°36	16°14	14°32	21° 0	29°36	F 21
S 22	4 3 48	29°43'09	4 ∏ 34	14° 7	18° 5	24°20	26° 4	4°17	29°13	16°26	5°35	16° 8	14°29	21° 6	29°34	S 22
S 23	4 7 45	0 ₹ 43'50	17°32	14°D 0	19°16	25° 1	26°17	4°16	29°15	16°28	5°34	16° 0	14°25	21°13	29°31	S 23
M24	4 11 42	1°44'33	09515	14° 4	20°27	25°43	26°30	4°15	29°17	16°30	5°34	15°51	14°22	21°20	29°29	M24
T 25	4 15 38	2°45'17	12°43	14°18	21°38	26°24	26°44	4°14	29°20	16°32	5°33	15°43	14°19	21°26	29°26	T 25
W26	4 19 35	3°46'02	24°56	14°42	22°49	27° 5	26°57	4°13	29°22	16°33	5°33	15°35	14°16	21°33	29°24	W26
T 27	4 23 31	4°46'49	6Ω 58	15°14	24° 0	27°47	27°10	4°12	29°24	16°35	5°32	15°29	14°13	21°40	29°22	T 27
F 28	4 27 28	5°47'37	18°52	15°54	25°12	28°28	27°24	4°10	29°27	16°37	5°32	15°25	14°10	21°46	29°20	F 28
S 29	4 31 24	6°48'27	0 Mp 42	16°40	26°23	29°10	27°37	4° 9	29°29	16°39	5°31	15°23	14° 6	21°53	29°17	S 29
S 30	4 35 21	7 ∡7 49'18	12 m 33	17 M 33	27 ≙ 35	29≈51	27 M 50	4 Ω 7	29 궁 32	16 පි 41	5 Υ 31	15°D23	14 ♀ 3	22 N 0	29 Υ 15	S 30

Day	0	D	ğ	·	♂	4	ħ)Å(4	Р	n	v t	ķ
	decl	decl lat	decl lat	decl lat dec	l lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1	14 s22	9n53 4s15	22 s50 2 s46	3n25 1n 5 19s4	6 2s10 17	7 s22 0n47	19n29 0n15	21 s 1 0 s 34	21 s51 0n40	13 s23 17 s 8	6 s33	6s 8 11n 7	11n20 0s21
S 2	14 41		22 47 2 40				19 29 0 15					6 7 11 5	
M 3	15 0	2 48 2 37					19 29 0 15		21 50 0 40			-	11 17 0 22
T 4	15 19		22 32 2 25				19 28 0 15		21 50 0 40				11 16 0 22
W 5 T 6	15 38 15 56	4 57 0 30 8 43 0n40	22 19 2 14 22 3 2 3						21 50 0 40 21 50 0 40				11 15 0 22 11 14 0 22
F 7			21 43 1 49						21 50 0 40			6 1 10 57	
S 8	16 31	/ /	21 19 1 34						21 50 0 40				11 12 0 22
S 9	16 49	17 11 3 50	20 51 1 18	0 13 1 31 18	0 1 54 17	7 50 0 47	19 28 0 16	20 58 0 34	21 50 0 40	13 24 17 6	6 32	5 59 10 54	11 11 0 22
M10	17 6	18 21 4 34	20 19 1 0	0s12 1 34 17 4	7 1 52 17	7 53 0 46	19 28 0 16	20 58 0 34	21 50 0 40	13 24 17 6	6 30	5 57 10 53	11 10 0 22
T 11	17 23	18 25 5 2		0 37 1 37 17 3					21 49 0 40	13 24 17 6	-	5 56 10 51	
W12		17 21 5 12		1 2 1 39 17 1					21 49 0 40			5 55 10 49	
T 13		15 13 5 3			4 1 47 18				21 49 0 40			5 54 10 48	
F 14	-	12 11 4 36		1 52 1 44 16 5					21 49 0 40		-	5 53 10 46	
S 15	18 27	8 26 3 52	17 5 0 41	2 17 1 46 16 3	5 1 43 18	8 10 0 46	19 28 0 17	20 56 0 34	21 49 0 40	13 24 17 5	6 24	5 51 10 45	11 5 0 23
S 16	18 42	4 12 2 54	16 26 1 0	2 43 1 49 16 2					21 49 0 40			5 50 10 43	
M17	18 57	0n14 1 46			6 1 39 18				21 48 0 40	-	-	5 49 10 41	
_	19 12	4 37 0 32							21 48 0 40	-		5 48 10 40	
W19 T 20	19 26 19 40		14 48 1 48 14 24 2 1						21 48 0 40 21 48 0 39	-		5 46 10 38	
F 21		12 21 1 54 15 15 2 58		4 25 1 56 15 2 4 50 1 58 15					21 48 0 39 21 48 0 39			5 45 10 37 5 44 10 35	
S 22		17 17 3 51							21 48 0 39			5 43 10 33	
S 23 M24	20 19								21 47 0 39	-	-	5 41 10 32	
T 25	20 32 20 44		13 42 2 29 13 43 2 32			8 39 0 46 8 42 0 46			21 47 0 39 21 47 0 39	-		5 40 10 30 5 39 10 29	
	20 44		13 49 2 33						21 47 0 39	13 24 17 2			10 53 0 23
		13 55 4 46							21 47 0 39	13 24 17 1			10 54 0 23
		11 6 4 17	14 11 2 32						21 46 0 39	13 24 17 1			10 53 0 23
	21 28	-	14 27 2 29		0 1 19 18				21 46 0 39	-	-	5 34 10 22	
S 30	21 s38	4n17 2s47	14s45 2n26	8 s 3 9 2 n 7 12 s 4	4 1 s 1 7 1 8	8 s 58 0 n 4 5	19n33 0n19	20 s49 0 s34	21 s46 0n39	13 s24 17 s 0	6s 4	5 s33 10n20	10n51 0s24

Julian Day Number = 2389027.5, Delta T = 11.45 sec Ecliptic obliquity = 23°27'33, Nutation = $0^\circ00'03$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = $22^{\circ}21'01$, Lahiri = $21^{\circ}28'01$

DECEMBER 1828 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	R	v	Ç	ķ	Day
M 1	4 39 18	8 ৴ 50'10	24 m/31	18 M .31	28 ≙ 47	0 ∺ 33	28M 3	4°R 6	29 る 34	16 ප 43	5°R30	15 ≏ 24	14 <u>₽</u> 0	22 0 7	29°R13	M 1
T 2	4 43 14	9°51'04	6 ₾ 41	19°33	29°59	1°15	28°17	4Ω 4	29°37	16°44	5 Y 30	15°25	13°57	22°13	29 Y 11	T 2
W 3	4 47 11	10°51'59	19° 8	20°39	1 m 11	1°56	28°30	4° 2	29°39	16°46	5°30	15°R25	13°54	22°20	29° 9	W 3
T 4	4 51 7	11°52'56	1 M .56	21°49	2°23	2°38	28°43	4° 0	29°42	16°48	5°29	15°24	13°50	22°27	29° 7	T 4
F 5	4 55 4	12°53'53	15° 7	23° 2	3°35	3°20	28°56	3°58	29°45	16°50	5°29	15°20	13°47	22°33	29° 5	F 5
S 6	4 59 0	13°54'52	28°43	24°17	4°47	4° 2	29° 9	3°56	29°47	16°52	5°29	15°14	13°44	22°40	29° 3	S 6
S 7	5 2 57	14°55'52	12 √ 41	25°35	5°59	4°44	29°23	3°53	29°50	16°54	5°28	15° 5	13°41	22°47	29° 1	S 7
M 8	5 6 53	15°56'53	2 <u>6</u> °58	26°54	7°12	5°26	29°36	3°51	29°53	16°56	5°28	14°55	13°38	22°53	29° 0	M 8
T 9	5 10 50	16°57'55	11 궁 27	28°15	8°24	6° 8	29°49	3°48	29°55	16°58	5°28	14°45	13°35	23° 0	28°58	T 9
W10	5 14 47	17°58'57	26° 3	29°38	9°37	6°50	0 x ⁷ 2	3°46	29°58	17° 0	5°27	14°35	13°31	23° 7	28°56	W10
T 11	5 18 43	19° 0'00	10≈37	1 × 7 2	10°50	7°32	0°15	3°43	0 ≈ 1	17° 2	5°27	14°28	13°28	23°13	28°55	T 11
F 12	5 22 40	20° 1'04	25° 3	2°26	12° 2	8°14	0°28	3°40	0° 4	17° 4	5°27	14°22	13°25	23°20	28°53	F 12
S 13	5 26 36	21° 2'07	9 ∺ 19	3°52	13°15	8°56	0°41	3°37	0° 7	17° 7	5°27	14°20	13°22	23°27	28°51	S 13
S 14	5 30 33	22° 3'12	23°22	5°19	14°28	9°38	0°54	3°34	0°10	17° 9	5°27	14°D19	13°19	23°34	28°50	S 14
M15	5 34 29	23° 4'16	7 Υ 12	6°46	15°41	10°20	1° 7	3°31	0°13	17°11	5°27	14°R20	13°16	23°40	28°48	M15
T 16	5 38 26	24° 5'21	20°49	8°14	16°54	11° 2	1°19	3°28	0°16	17°13	5°26	14°20	13°12	23°47	28°47	T 16
W17	5 42 22	25° 6'26	4813	9°42	18° 7	11°45	1°32	3°25	0°19	17°15	5°26	14°18	13° 9	23°54	28°46	W17
T 18	5 46 19	26° 7'32	17°27	11°11	19°20	12°27	1°45	3°22	0°22	17°17	5°26	14°14	13° 6	24° 0	28°45	T 18
F 19	5 50 16	27° 8'37	0 Ⅱ 31	12°41	20°33	13° 9	1°58	3°18	0°25	17°19	5°26	14° 7	13° 3	24° 7	28°43	F 19
S 20	5 54 12	28° 9'44	13°23	14°10	21°46	13°51	2°10	3°15	0°28	17°21	5°D26	13°57	13° 0	24°14	28°42	S 20
S 21	5 58 9	29°10'50	26° 5	15°41	22°59	14°34	2°23	3°11	0°31	17°24	5°26	13°44	12°56	24°20	28°41	S 21
M22	6 2 5	0 ਰ 11'57	8935	17°11	24°13	15°16	2°36	3° 7	0°34	17°26	5°26	13°30	12°53	24°27	28°40	M22
T 23	6 6 2	1°13'05	20°53	18°42	25°26	15°58	2°48	3° 4	0°37	17°28	5°26	13°16	12°50	24°34	28°39	T 23
W24	6 9 58	2°14'13	3 Ω 1	20°13	26°39	16°40	3° 1	3° 0	0°41	17°30	5°27	13° 3	12°47	24°40	28°38	W24
T 25	6 13 55	3°15'21	15° 0	21°45	27°53	17°23	3°13	2°56	0°44	17°32	5°27	12°52	12°44	24°47	28°37	T 25
F 26	6 17 51	4°16'29	26°52	23°17	29° 6 0 × 720	18° 5	3°26 3°38	2°52 2°48	0°47 0°50	17°35 17°37	5°27	12°44 12°39	12°41 12°37	24°54 25° 1	28°36 28°36	F 26 S 27
S 27	6 21 48	5°17'38	8 Mp 40	24°49		18°47					5°27			_		
S 28	6 25 45	6°18'48	20°29	26°21	1°34	19°30	3°50	2°44	0°53	17°39	5°27	12°36	12°34	25° 7	28°35	S 28
M29	6 29 41	7°19'58	2 <u>₽</u> 24	27°54	2°47	20°12	4° 2	2°40	0°57	17°41	5°27	12°36	12°31	25°14	28°34	M29
T 30	6 33 38	8°21'08	14°31	29°27	4° 1	20°55	4°15	2°36	1° 0	17°44	5°28	12°35	12°28	25°21	28°34	T 30
W31	6 37 34	9 ට 22'18	26 ≏ 55	1る 0	5 ₹ 15	21 米 37	4 ₹ 27	2 Ω 31	1≈ 3	17 云 46	5 Ƴ 28	12 ≏ 35	12 ≏ 25	25 Ω 27	28 Y 33	W31

Day	0	D	Š	2	φ	ď	2	+	ħ	<u>ι</u>)į	β(并		Р	n	Ω	Ç	ķ	
	decl	decl lat	decl	lat dec	l lat de	cl lat	decl	lat	decl	lat	decl	lat	decl lat	d	decl lat	decl	decl	decl	decl	lat
M 1 T 2	21 s48 21 57	0n30 1s5 3s22 0 4	0 15s 4 7 15 26			-	19s 1	0n45 0 45			20 s48 20 48				s24 17s 0 23 16 59	6s 4 6 5		10n19 10 17		0 s24 0 24
W 3 T 4	22 6 22 14	7 11 0n2 10 47 1 2				55 1 12 38 1 11		0 45 0 45			20 47 20 47				23 16 59 23 16 59	6 5 6 4	5 29 5 28	10 16 10 14		0 24 0 24
F 5	22 22	13 58 2 3	2 16 36	2 0 10 4	3 2 8 11	22 1 9	19 12	0 45	19 36	0 19	20 46	0 34	21 45 0	39 13	23 16 58	6 3	5 27	10 12	10 47	0 24
S 6 S 7			0 17 1 7 17 26	_	7 2 8 11 1 2 8 10	5 1 7 48 1 6	19 15 19 18	0 45	19 36 19 37		20 46 20 45				23 16 58 23 16 58	6 0 5 57	5 25 5 24		10 46	0 24
M 8 T 9	22 43 22 49		9 17 52 3 18 17						19 38 19 38		20 44 20 44				22 16 57 22 16 57	5 53 5 49	5 23 5 22		10 45 10 44	0 24 0 24
W10 T 11	22 55		8 18 42	1 25 12 4		58 1 1	19 27		19 39	0 20	20 43 20 43	0 34	21 44 0	39 13	22 16 57 22 16 56	5 45 5 42			10 44	0 24
F 12 S 13	23 5 23 9	9 33 3 5	5 17 /	1 10 13 2	8 2 6 9	23 0 58	19 32	0 45		0 20	20 42 20 41	0 34	21 43 0	39 13	21 16 56 21 16 56	5 40 5 39	5 18 5 17	10 1	10 42 10 42	0 24 0 24
S 14 M15	23 13 23 17		9 20 18 8 20 40		-		19 37 19 40	0 45 0 45	-	0 21 0 21	20 41 20 40				21 16 55 21 16 55	5 39 5 39	5 16 5 14		10 41 10 41	0 25 0 25
T 16 W17	23 20	7 36 0s3	4 21 2 4 21 23	0 40 14 5	6 2 3 8	0 52	19 43	0 45 0 45 0 45	19 44	0 21	20 39	0 34	21 42 0	39 13	20 16 55 20 16 54	5 39 5 39	5 13 5 12	9 55	10 41 10 40 10 39	0 25 0 25 0 25
T 18 F 19	23 24	14 24 2 4	6 21 43	0 25 15 3	8 2 1 7	39 0 49	19 48	0 45	19 46	0 21	20 38	0 34	21 42 0	39 13	20 16 54	5 37	5 11	9 51	10 39	0 25 0 25 0 25
S 20	23 26 23 27		9 22 3 9 22 21	0 18 15 5 0 10 16 1			19 51 19 53	0 45 0 45	19 47 19 48		20 37 20 37				19 16 54 19 16 53	5 34 5 30	5 9 5 8		10 38 10 38	0 25
S 21 M22	23 27 23 28		7 22 38 9 22 55				19 56 19 58	0 45 0 45			20 36 20 35				19 16 53 18 16 52	5 25 5 20	5 7 5 6		10 38 10 37	0 25 0 25
T 23 W24			8 23 10 3 23 24			-		0 45 0 45	19 51 19 52		20 35 20 34				18 16 52 18 16 52	5 15 5 10	5 4 5 3		10 37 10 36	0 25 0 25
T 25 F 26	23 25 23 23		5 23 37 7 23 49		4 1 51 5				19 53 19 54		20 33 20 33				17 16 51 17 16 51	5 5 5 2	5 2 5 1		10 36 10 36	0 25 0 25
S 27	23 21	5 43 2 4	9 24 0	0 38 18 2	9 1 47 5	0 0 37	20 10	0 45	19 55	0 22	20 32	0 33	21 40 0	39 13	17 16 51	5 0	4 59	9 36	10 35	0 25
S 28 M29	23 18 23 15	-	4 24 9 4 24 17	0 .5 10 .	6 1 45 4 3 1 43 4	25 0 34	20 12 20 15		19 56 19 57		20 31 20 30			39 13	16 16 50 16 16 50	4 59 4 59	4 58 4 57		10 35 10 35	0 25 0 25
	23 12 23 s 8		0 24 24 5 24 s30				20 17 20 s19		19 58 19n59		20 30 20 s29				15 16 50 s15 16 s49	4 59 4 s59	4 56 4 s55		10 34 10n34	0 26 0 s26

Julian Day Number = 2389057.5, Delta T = 11.40 sec Ecliptic obliquity = 23°27'32, Nutation = $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $22^{\circ}21'05$, Lahiri = $21^{\circ}28'05$