

Astrodienst Ephemeris Tables for the year 1413

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 1413 JC 00:00 UT

UNITU	AVVI T.	413 OC													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	₽.	v	Ç	Ŗ	Day
S 1	7 16 5	19る34'35	25 × ⁷ 23	0 궁 13	6 ₹ 144	7≈11	9 m 32	3°R 5	11≈42	4°R35	16°R58	16°R29	17≈48	19 Ω 22	7 M .48	S 1
M 2	7 20 1	20°35'43	10る 9	1°38	7°26	7°59	9°40	3 II 2	11°45	4933	16 II 57	16≈25	17°45	19°29	7°52	M 2
T 3	7 23 58	21°36'49	25° 8	3° 4	8° 9	8°46	9°47	3° 0	11°48	4°32	16°56	16°23	17°41	19°35	7°57	T 3
W 4	7 27 55	22°37'55	10≈14	4°31	8°52	9°34	9°55	2°57	11°52	4°30	16°55	16°D22	17°38	19°42	8° 1	W 4
T 5	7 31 51	23°39'00	25°15	5°59	9°37	10°21	10° 3	2°55	11°55	4°28	16°54	16°22	17°35	19°48	8° 5	T 5
F 6	7 35 48	24°40'04	10 ∀ 5	7°27	10°23	11° 9	10°10	2°53	11°58	4°27	16°53	16°23	17°32	19°55	8° 9	F 6
S 7	7 39 44	25°41'07	24°37	8°56	11°10	11°56	10°17	2°51	12° 2	4°25	16°52	16°24	17°29	20° 2	8°13	S 7
S 8	7 43 41	26°42'09	8 Y 48	10°26	11°57	12°44	10°24	2°49	12° 5	4°24	16°51	16°25	17°26	20° 8	8°17	S 8
M 9	7 47 37	27°43'09	22°37	11°56	12°46	13°31	10°31	2°47	12° 8	4°22	16°51	16°R26	17°22	20°15	8°21	M 9
T 10	7 51 34	28°44'09	6 8 4	13°28	13°35	14°18	10°38	2°46	12°12	4°21	16°50	16°26	17°19	20°22	8°25	T 10
W11	7 55 30	29°45'07	19°10	14°59	14°25	15° 6	10°45	2°44	12°15	4°19	16°49	16°25	17°16	20°28	8°28	W11
T 12	7 59 27	0≈46'04	1 II 59	16°32	15°16	15°53	10°51	2°43	12°19	4°18	16°48	16°24	17°13	20°35	8°32	T 12
F 13	8 3 24	1°47'00	14°32	18° 5	16° 8	16°41	10°58	2°41	12°22	4°16	16°47	16°21	17°10	20°42	8°35	F 13
S 14	8 7 20	2°47'54	26°52	19°39	17° 0	17°28	11° 4	2°40	12°26	4°15	16°47	16°19	17° 7	20°48	8°38	S 14
S 15	8 11 17	3°48'48	995 2	21°14	17°53	18°16	11°10	2°39	12°29	4°13	16°46	16°17	17° 3	20°55	8°41	S 15
M16	8 15 13	4°49'40	21° 3	22°49	18°47	19° 3	11°16	2°38	12°32	4°12	16°45	16°16	17° 0	21° 2	8°45	M16
T 17	8 19 10	5°50'30	2 Ω 58	24°25	19°41	19°50	11°22	2°37	12°36	4°10	16°44	16°15	16°57	21° 8	8°47	T 17
W18	8 23 6	6°51'20	14°48	26° 1	20°36	20°38	11°27	2°36	12°39	4° 9	16°44	16°D14	16°54	21°15	8°50	W18
T 19	8 27 3	7°52'08	26°36	27°39	21°32	21°25	11°33	2°35	12°43	4° 8	16°43	16°15	16°51	21°21	8°53	T 19
F 20	8 31 0	8°52'55	8 m 24	29°17	22°28	22°13	11°38	2°35	12°46	4° 6	16°42	16°15	16°47	21°28	8°56	F 20
S 21	8 34 56	9°53'42	20°14	0≈56	23°24	23° 0	11°43	2°34	12°50	4° 5	16°42	16°16	16°44	21°35	8°58	S 21
S 22	8 38 53	10°54'26	2 ₽ 10	2°36	24°22	23°47	11°48	2°34	12°53	4° 4	16°41	16°17	16°41	21°41	9° 1	S 22
M23	8 42 49	11°55'10	14°15	4°16	25°19	24°35	11°53	2°34	12°57	4° 2	16°40	16°17	16°38	21°48	9° 3	M23
T 24	8 46 46	12°55'53	26°33	5°58	26°17	25°22	11°58	2°33	13° 0	4° 1	16°40	16°17	16°35	21°55	9° 5	T 24
W25	8 50 42	13°56'34	9 ™ 8	7°40	27°16	26°10	12° 2	2°D33	13° 4	4° 0	16°39	16°R18	16°32	22° 1	9° 7	W25
T 26	8 54 39	14°57'15	22° 4	9°23	28°15	26°57	12° 7	2°34	13° 7	3°59	16°39	16°18	16°28	22° 8	9° 9	T 26
F 27	8 58 35	15°57'54	5 ₹ 24	11° 7	29°15	27°44	12°11	2°34	13°11	3°58	16°38	16°D18	16°25	22°15	9°11	F 27
S 28	9 2 32	16°58'33	19°11	12°52	0 궁 14	28°32	12°15	2°34	13°14	3°56	16°37	16°18	16°22	22°21	9°13	S 28
S 29	9 6 29	17°59'10	3 ට 25	14°37	1°15	29°19	12°18	2°35	13°18	3°55	16°37	16°18	16°19	22°28	9°14	S 29
M30	9 10 25	18°59'46	18° 3	16°24	<u>2°</u> 16	0 米 6	12°22	2°35	13°21	3°54	16°36	16°18	16°16	22°35	9°16	M30
T 31	9 14 22	20≈ 0'20	3≈ 2	18 ≈ 11	3 る 17	0 ∺ 53	12 M 25	2 II 36	13≈25	3953	16 II 36	16≈18	16≈13	22 N 41	9 M .17	T 31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat		decl	lat	dec	el la	at	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22 s 5	27 s31	4s 5	23 s40	0s 9	16s51	4n44	19 s37	1 s	7 13	3 s37				1 s47	17 s57	0s39	22n29	0 s57	15n24	7 s 3 1		15 s33		1	0n47
M 2	21 56	26 13	3 6	23 47	0 16	16 58	4 43	19 24	1	7 13	39	1 9	19	5	1 47	17 57	0 39	22 29	0 57	15 24	7 31	15 58	15 34	14 53	13 26	0 47
T 3	21 47	23 3	1 54	23 53	0 24	17 6	4 42	19 12	1	7 13	42	1 10	19	5	1 47	17 56	0 39	22 29	0 57	15 24	7 31	15 59	15 35	14 50	13 27	0 48
W 4	21 37	18 17	0 34	23 57	0 31	17 13	4 41	18 59	1	7 13	44	1 10	19	5	1 46	17 55	0 39	22 30	0 57	15 24	7 30	15 59	15 36	14 47	13 28	0 48
T 5	21 26	12 23	0n49	24 1	0 38	17 21	4 40	18 46	1	6 13	46	1 10	19	5	1 46	17 54	0 39	22 30	0 57	15 24	7 30	15 59	15 37	14 44	13 29	0 48
F 6	21 16	5 51	2 7	24 3	0 45	17 29	4 38	18 33	1	6 13	48	1 10	19	4	1 46	17 53	0 39	22 30	0 57	15 24	7 30	15 59	15 38	14 41	13 30	0 49
S 7	21 5	0n51	3 16	24 4	0 51	17 37	4 37	18 20	1	6 13	51	1 10	19	4	1 46	17 52	0 39	22 30	0 57	15 24	7 30	15 58	15 39	14 38	13 31	0 49
S 8	20 53	7 20	4 11	24 4	0 58	17 45	4 35	18 6	1	6 13	53	1 10	19	4	1 45	17 51	0 39	22 30	0 57	15 24	7 30	15 58	15 40	14 35	13 32	0 50
M 9	20 41	13 18	4 49	24 2	1 4	17 53	4 33	17 52	1	6 13	55	1 10	19	4	1 45	17 50	0 39	22 30	0 57	15 24	7 30	15 58	15 41	14 32	13 33	0 50
T 10	20 29	18 28	5 11	23 59	1 10	18 2	4 31	17 38	1	6 13	57	1 11	19	4	1 45	17 49	0 39	22 30	0 57	15 24	7 29	15 58	15 42	14 29	13 34	0 50
W11	20 16	22 38	5 16	23 55	1 15	18 10	4 28	17 24	1	5 13	59	1 11	19	4	1 45	17 48	0 39	22 30	0 57	15 24	7 29	15 58	15 43	14 26	13 34	0 51
T 12	20 3	25 36	5 5	23 49	1 21	18 18	4 26	17 10	1	5 14	1	1 11	19	4	1 44	17 47	0 39	22 30	0 57	15 25	7 29	15 58	15 44	14 23	13 35	0 51
F 13	19 50	27 14	4 39	23 42	1 26	18 26	4 23	16 55	1	5 14	1 2	1 11	19	4	1 44	17 46	0 39	22 30	0 57	15 25	7 29	15 59	15 45	14 20	13 36	0 52
S 14	19 36	27 30	4 1	23 34	1 30	18 34	4 20	16 41	1	5 14	4	1 11	19	4	1 44	17 45	0 39	22 30	0 57	15 25	7 29	16 0	15 45	14 17	13 36	0 52
S 15	19 22	26 24	3 12	23 24	1 35	18 42	4 17	16 26	1	5 14	1 6	1 11	19	4	1 44	17 44	0 39	22 30	0 57	15 25	7 29	16 0	15 46	14 15	13 37	0 52
M16	19 7	24 5	2 15	23 13	1 39	18 49	4 14	16 11	1	4 14	1 8	1 12	19	4	1 43	17 43	0 39	22 30	0 57	15 25	7 28	16 1	15 47	14 12	13 38	0 53
T 17	18 52	20 45	1 13	23 0	1 43	18 57	4 11	15 56	1	4 14	1 9	1 12	19	4	1 43	17 42	0 39	22 30	0 57	15 25	7 28	16 1	15 48	14 9	13 38	0 53
W18	18 37	16 34	0 8	22 46	1 47	19 4	4 8	15 40	1	4 14	11	1 12	19	4	1 43	17 41	0 39	22 31	0 57	15 25	7 28	16 1	15 49	14 6	13 39	0 54
T 19	18 22	11 48	0s57	22 30	1 50	19 11	4 4	15 25	1	4 14	12	1 12	19	4	1 42	17 40	0 39	22 31	0 57	15 25	7 28	16 1	15 50	14 3	13 39	0 54
F 20	18 6	6 36	2 0	22 13	1 53	19 18	4 1	15 9	1	3 14	14	1 12	19	4	1 42	17 39	0 39	22 31	0 57	15 25	7 28	16 1	15 51	14 0	13 40	0 54
S 21	17 50	1 9	2 58	21 54	1 56	19 25	3 57	14 53	1	3 14	15	1 12	19	5	1 42	17 38	0 39	22 31	0 57	15 26	7 28	16 1	15 52	13 57	13 40	0 55
S 22	17 33	4 s 2 1	3 49	21 34	1 59	19 31	3 53	14 37	1	3 14	17	1 13	19	5	1 42	17 37	0 39	22 31	0 56	15 26	7 27	16 1	15 53	13 54	13 40	0 55
M23	17 16	9 46	4 30	21 12	2 1	19 37	3 49	14 21	1	3 14	18	1 13	19	5	1 41	17 36	0 39	22 31	0 56	15 26	7 27	16 0	15 54	13 51	13 41	0 56
T 24	16 59	14 55	4 59	20 49	2 2	19 43	3 45	14 5	1	2 14	19	1 13	19	5	1 41	17 35	0 39	22 31	0 56	15 26	7 27	16 0	15 55	13 48	13 41	0 56
W25	16 42	19 34	5 16	20 24	2 3	19 48	3 41	13 49	1	2 14	1 20	1 13	19	5	1 41	17 34	0 39	22 31	0 56	15 26	7 27	16 0	15 56	13 45	13 41	0 56
T 26	16 24	23 26	5 16	19 58	2 4	19 53	3 37	13 32	1	2 14	1 21	1 13	19	6	1 41	17 33	0 39	22 31	0 56	15 26	7 27	16 0	15 57	13 42	13 42	0 57
F 27	16 6	26 12	5 1	19 29	2 5	19 58	3 33	13 16	1	1 14	1 23	1 13	19	6	1 40	17 32	0 39	22 31	0 56	15 26	7 26	16 0	15 58	13 39	13 42	0 57
S 28	15 48	27 31	4 27	19 0	2 5	20 2	3 29	12 59	1	1 14	1 24	1 14	19	6	1 40	17 31	0 39	22 31	0 56	15 26	7 26	16 0	15 59	13 36	13 42	0 58
S 29	15 29	27 5	3 37	18 29	2 4	20 6	3 24	12 42	1	1 14	1 25	1 14	19	7	1 40	17 30	0 39	22 31	0 56	15 27	7 26	16 0	16 0	13 33	13 42	0 58
M30	15 11	24 47	2 31	17 56	2 3	20 10	3 20	12 25	1	1 14	1 26	1 14	19	7	1 40	17 29	0 39	22 31	0 56	15 27	7 26	16 0	16 1	13 30	13 42	0 59
T 31	14 s52	20 s44	1 s 1 3	17 s22	2 s 2	20s13	3n16	12 s 8	1 s	0 14	ls26	1n14	19n	7	1 s39	17 s28	0s39	22n31	0 s 5 6	15n27	7 s 2 6	16s 0	16s 2	13n27	13 s42	0n59

Julian Day Number = 2237156.5, Delta T = 07m32s

Ecliptic obliquity = $23^{\circ}31'02$, Nutation = $0^{\circ}00'12$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'06, Lahiri = 15°40'06 Julian Calendar 1 Jan. 1413 == Greg. Calendar 10 Jan. 1413

FEBRUARY 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)f(¥	Р	n	v	Ç	ķ	Day
W 1	9 18 18	21≈ 0'53	18≈13	20≈ 0	4 る 18	1) (41	12 M 29	2 Ц 37	13 ≈ 28	3°R52	16°R36	16°R18	16≈ 9	22 Ω 48	9 ™ 18	W 1
T 2	9 22 15	22° 1'24	3 ∺ 26	21°49	5°20	2°28	12°32	2°37	13°32	3951	16耳35	16≈18	16° 6	22°55	9°20	T 2
F 3	9 26 11	23° 1'53	18°33	23°39	6°22	3°15	12°35	2°38	13°35	3°50	16°35	16°17	16° 3	23° 1	9°21	F 3
S 4	9 30 8	24° 2'21	3 ℃ 24	25°29	7°24	4° 2	12°37	2°40	13°38	3°49	16°34	16°17	16° 0	23° 8	9°22	S 4
S 5	9 34 4	25° 2'47	17°53	27°21	8°27	4°50	12°40	2°41	13°42	3°48	16°34	16°16	15°57	23°14	9°22	S 5
M 6	9 38 1	26° 3'11	1 8 56	29°13	9°30	5°37	12°42	2°42	13°45	3°47	16°34	16°15	15°53	23°21	9°23	M 6
T 7	9 41 58	27° 3'33	15°31	1 ∀ 6	10°33	6°24	12°45	2°44	13°49	3°46	16°33	16°14	15°50	23°28	9°24	T 7
W 8	9 45 54	28° 3'53	28°40	3° 0	11°37	7°11	12°47	2°45	13°52	3°45	16°33	16°D14	15°47	23°34	9°24	W 8
T 9	9 49 51	29° 4'10	11 Ⅱ 27	4°54	12°40	7°58	12°48	2°47	13°56	3°45	16°33	16°14	15°44	23°41	9°25	T 9
F 10	9 53 47	0 光 4'26	23°53	6°48	13°44	8°45	12°50	2°49	13°59	3°44	16°33	16°15	15°41	23°48	9°25	F 10
S 11	9 57 44	1° 4'40	6 9 5	8°42	14°49	9°32	12°51	2°51	14° 2	3°43	16°32	16°16	15°38	23°54	9°25	S 11
S 12	10 140	2° 4'52	18° 5	10°37	15°53	10°19	12°53	2°53	14° 6	3°42	16°32	16°18	15°34	24° 1	9°R25	S 12
M13	10 5 37	3° 5'02	29°58	12°31	16°58	11° 6	12°54	2°55	14° 9	3°42	16°32	16°19	15°31	24° 8	9°25	M13
T 14	10 9 33	4° 5'10	11 Ω 46	14°25	18° 3	11°53	12°55	2°57	14°12	3°41	16°32	16°R20	15°28	24°14	9°25	T 14
W15	10 13 30	5° 5'15	23°33	16°18	19°8	12°40	12°55	2°59	14°16	3°40	16°32	16°19	15°25	24°21	9°24	W15
T 16	10 17 27	6° 5'19	5 m 22	18°10	20°14	13°27	12°56	3° 2	14°19	3°40	16°32	16°18	15°22	24°28	9°24	T 16
F 17	10 21 23	7° 5'21	17°14	20° 0	21°19	14°14	12°56	3° 4	14°22	3°39	16°32	16°16	15°19	24°34	9°23	F 17
S 18	10 25 20	8° 5'21	29°11	21°49	22°25	15° 1	12°R56	3° 7	14°26	3°38	16°32	16°13	15°15	24°41	9°23	S 18
S 19	10 29 16	9° 5'19	11 ≏ 15	23°35	23°31	15°48	12°56	3°10	14°29	3°38	16°31	16° 9	15°12	24°48	9°22	S 19
M20	10 33 13	10° 5'16	23°28	25°19	24°37	16°34	12°56	3°13	14°32	3°37	16°D31	16° 5	15° 9	24°54	9°21	M20
T 21	10 37 9	11° 5'10	5 M 53	26°59	25°44	17°21	12°56	3°15	14°35	3°37	16°31	16° 2	15° 6	25° 1	9°20	T 21
W22	10 41 6	12° 5'03	18°32	28°35	26°51	18° 8	12°55	3°19	14°38	3°37	16°31	15°59	15° 3	25° 7	9°19	W22
T 23	10 45 2	13° 4'55	1 , ₹28	0 Υ 7	27°57	18°55	12°54	3°22	14°42	3°36	16°32	15°57	14°59	25°14	9°18	T 23
F 24	10 48 59	14° 4'45	14°42	1°34	29° 4	19°41	12°53	3°25	14°45	3°36	16°32	15°D56	14°56	25°21	9°17	F 24
S 25	10 52 55	15° 4'33	28°18	2°56	0≈11	20°28	12°52	3°28	14°48	3°35	16°32	15°57	14°53	25°27	9°15	S 25
S 26	10 56 52	16° 4'19	12 る 17	4°12	1°19	21°15	12°51	3°32	14°51	3°35	16°32	15°58	14°50	25°34	9°14	S 26
M27	11 0 49	17° 4'04	26°39	5°22	2°26	22° 1	12°49	3°35	14°54	3°35	16°32	16° 0	14°47	25°41	9°12	M27
T 28	11 4 45	18 米 3'46	11≈22	6 Υ 25	3≈34	22) (48	12 M 47	3 Ⅱ 39	14≈57	3 9 35	16Ⅲ32	16°R 1	14≈44	25 Ω 47	9 M .11	T 28

Day	0	Ş)	ğ	5	ς	2	ď	1	2	ļ.	Ť	ì);	ξ(ř	ħ	Е)	n	S	Ç	Š	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14 s32	15 s15	0n11	16 s46	2s 0	20s16	3n11	11 s51	1 s 0	14 s27	1n14	19n 8	1 s39	17 s27	0s39	22n32	0 s56	15n27	7 s25	16s 0	16s 3	13n24	13 s42	0n59
T 2	14 13	8 49	1 34	16 8	1 58	20 18	3 7	11 33	1 0	14 28	1 14	19 8	1 39	17 26	0 39	22 32	0 56	15 27	7 25	16 0	16 4	13 21	13 42	1 0
F 3	13 53	1 56	2 50	15 29	1 55	20 20	3 2	11 16	0 59	14 29	1 15	19 9	1 39	17 25	0 39	22 32	0 56	15 27	7 25	16 0	16 5	13 18	13 42	1 0
S 4	13 33	4n55	3 53	14 49	1 52	20 22	2 57	10 58	0 59	14 29	1 15	19 9	1 38	17 24	0 39	22 32	0 56	15 28	7 25	16 1	16 6	13 15	13 42	1 1
S 5	13 13	11 20	4 40	14 7	1 48	20 23	2 53	10 41	0 59	14 30	1 15	19 10	1 38	17 23	0 39	22 32	0 56	15 28	7 25	16 1	16 7	13 12	13 42	1 1
M 6	12 52	16 59	5 8	13 23	1 43	20 23	2 48	10 23	0 58	14 31	1 15	19 10	1 38	17 22	0 39	22 32	0 56	15 28	7 24	16 1	16 7	13 9	13 42	1 2
T 7	12 32	21 36	5 17	12 39	1 38	20 23	2 43	10 5	0 58	14 31	1 15	19 11	1 37	17 21	0 39	22 32	0 56	15 28	7 24	16 1	16 8	13 6	13 41	1 2
W 8	12 11	24 58	5 10	11 52	1 32	20 23	2 38	9 47	0 57	14 31	1 15	19 11	1 37	17 20	0 39	22 32	0 56	15 28	7 24	16 1	16 9	13 3	13 41	1 2
T 9	11 50	26 58	4 47	11 5	1 26	20 22	2 34	9 29	0 57	14 32	1 16	19 12	1 37	17 19	0 39	22 32	0 56	15 28	7 24	16 1	16 10	13 0	13 41	1 3
F 10	11 29	27 34	4 12	10 16	1 19	20 20	2 29	9 11	0 57	14 32	1 16	19 13	1 37	17 18	0 39	22 32	0 56	15 29	7 24	16 1	16 11	12 57	13 41	1 3
S 11	11 8	26 48	3 25	9 26	1 12	20 18	2 24	8 53	0 56	14 32	1 16	19 13	1 36	17 17	0 39	22 32	0 56	15 29	7 23	16 1	16 12	12 54	13 40	1 4
S 12	10 46	24 46	2 30	8 35	1 3	20 16	2 19	8 35	0 56	14 33	1 16	19 14	1 36	17 17	0 39	22 32	0 56	15 29	7 23	16 0	16 13	12 51	13 40	1 4
M13	10 24	21 41	1 29	7 43	0 55	20 13	2 14	8 17	0 56	14 33	1 16	19 14	1 36	17 16	0 39	22 32	0 56	15 29	7 23	16 0	16 14	12 48	13 39	1 5
T 14	10 3	17 43	0 25	6 51	0 45	20 10	2 9	7 59	0 55	14 33	1 17	19 15	1 36	17 15	0 39	22 32	0 56	15 29	7 23	16 0	16 15	12 45	13 39	1 5
W15	9 41	13 5	0 s40	5 58	0 35	20 6	2 4	7 40	0 55	14 33	1 17	19 16	1 35	17 14	0 39	22 32	0 56	15 30	7 23	16 0	16 16	12 42	13 38	1 5
T 16	9 18	7 58	1 43	5 4	0 25	20 1	2 0	7 22	0 54	14 33	1 17	19 17	1 35	17 13	0 39	22 32	0 56	15 30	7 22	16 0	16 17	12 39	13 38	1 6
F 17	8 56	2 34	2 42	4 11	0 13	19 56	1 55	7 3	0 54	14 33	1 17	19 17	1 35	17 12	0 39	22 32	0 56	15 30	7 22	16 1	16 18	12 36	13 37	1 6
S 18	8 34	2 s 5 7	3 35	3 17	0 2	19 50	1 50	6 45	0 54	14 33	1 17	19 18	1 35	17 11	0 39	22 33	0 56	15 30	7 22	16 2	16 19	12 32	13 37	1 7
S 19	8 11	8 25	4 18	2 24	0n10	19 44	1 45	6 26	0 53	14 33	1 17	19 19	1 34	17 10	0 39	22 33	0 55	15 30	7 22	16 3	16 20	12 29	13 36	1 7
M20	7 49	13 38	4 50	1 31	0 23	19 38	1 40	6 7	0 53	14 32	1 18	19 20	1 34	17 9	0 39	22 33	0 55	15 31	7 22	16 4	16 21	12 26	13 35	1 8
T 21	7 26	18 23	5 9	0 40	0 36	19 31	1 35	5 49	0 52	14 32	1 18	19 20	1 34	17 8	0 39	22 33	0 55	15 31	7 21	16 5	16 22	12 23	13 35	1 8
W22	7 3	22 25	5 14	0n11	0 49	19 23	1 30	5 30	0 52	14 32	1 18	19 21	1 34	17 7	0 39	22 33	0 55	15 31	7 21	16 6	16 23	12 20	13 34	1 8
T 23	6 40	25 27	5 3	1 0	1 2	19 15	1 25	5 11	0 51	14 31	1 18	19 22	1 33	17 6	0 39	22 33	0 55	15 31	7 21	16 7	16 23	12 17	13 33	1 9
F 24	6 17	27 12	4 36	1 47	1 16	19 6	1 21	4 53	0 51	14 31	1 18	19 23	1 33	17 5	0 39	22 33	0 55	15 31	7 21	16 7	16 24	12 14	13 32	1 9
S 25	5 54	27 23	3 52	2 32	1 29	18 56	1 16	4 34	0 50	14 30	1 18	19 24	1 33	17 4	0 39	22 33	0 55	15 32	7 20	16 7	16 25	12 11	13 31	1 10
S 26	5 31	25 51	2 54	3 14		18 47	1 11	4 15		14 30		19 25		17 3		22 33		15 32					13 30	1 10
M27	5 7	22 36	1 44	3 54	1 55	18 36	1 6	3 56	0 50	14 29	1 19	19 26	_	17 3		22 33		15 32	7 20	16 6	16 27	12 5	13 30	1 11
T 28	4 s44	17 s50	0 s25	4n31	2n 8	18 s25	1n 2	$3 \mathrm{s} 37$	0 s49	14 s28	1n19	19n26	1 s32	17 s 2	0s39	22n33	0 s55	15n32	7 s20	16s 5	16 s28	12n 2	13 s29	1n11

Julian Day Number = 2237187.5, Delta T = 07m32s

Ecliptic obliquity = 23°31'03, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°33'10, Lahiri = 15°40'11 Julian Calendar 1 Feb. 1413 == Greg. Calendar 10 Feb. 1413

MARCH 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)∤(¥	В	R	Ω	Ç	ķ	Day
W 1	11 8 42	19 ¥ 3'27	26≈20	7 Υ 21		23 \ 34	12°R45	3 II 43	15≈ 0	3°R35	16 II 32	16°R 0	14≈40	25 Ω 54	9°R 9	W 1
T 2	11 12 38	20° 3'06	11) 27	8° 9	5°49	24°21	12ML43	3°47	15° 3	3934	16°33	15≈58	14°37	26° 1	9 m 7	T 2
F 3	11 16 35	21° 2'43	26°33	8°50	6°57	25° 7	12°41	3°50	15° 6	3°34	16°33	15°55	14°34	26° 7	9° 5	F 3
S 4	11 20 31	22° 2'18	11 Y 30	9°24	8° 5	25°54	12°39	3°54	15° 9	3°34	16°33	15°50	14°31	26°14	9° 3	S 4
S 5	11 24 28	23° 1'51	26° 8	9°49	9°13	26°40	12°36	3°59	15°12	3°34	16°33	15°44	14°28	26°21	9° 0	S 5
M 6	11 28 24	24° 1'21	10821	10° 6	10°21	27°26	12°33	4° 3	15°15	3°D34	16°34	15°38	14°24	26°27	8°58	M 6
T 7	11 32 21	25° 0'49	24° 6	10°16	11°30	28°13	12°30	4° 7	15°18	3°34	16°34	15°33	14°21	26°34	8°56	T 7
W 8	11 36 18	26° 0'15	7Ⅱ23	10°R18	12°38	28°59	12°27	4°11	15°21	3°34	16°34	15°30	14°18	26°41	8°53	W 8
T 9	11 40 14	26°59'39	20°13	10°12	13°47	29°45	12°23	4°16	15°24	3°34	16°35	15°28	14°15	26°47	8°51	T 9
F 10	11 44 11	27°59'00	29541	9°58	14°56	0 Υ 31	12°20	4°21	15°26	3°34	16°35	15°D28	14°12	26°54	8°48	F 10
S 11	11 48 7	28°58'19	14°51	9°38	16° 5	1°17	12°16	4°25	15°29	3°35	16°35	15°29	14° 9	27° 0	8°45	S 11
S 12	11 52 4	29°57'36	26°49	9°12	17°13	2° 3	12°12	4°30	15°32	3°35	16°36	15°31	14° 5	27° 7	8°42	S 12
M13	11 56 0	0 Ƴ 56'50	8 Ω 38	8°40	18°22	2°49	12° 8	4°35	15°34	3°35	16°36	15°32	14° 2	27°14	8°39	M13
T 14	11 59 57	1°56'02	20°24	8° 2	19°32	3°35	12° 4	4°40	15°37	3°35	16°37	15°R32	13°59	27°20	8°36	T 14
W15	12 3 53	2°55'12	2 Mp 12	7°21	20°41	4°21	12° 0	4°45	15°40	3°35	16°37	15°30	13°56	27°27	8°33	W15
T 16	12 7 50	3°54'19	14° 3	6°37	21°50	5° 7	11°55	4°50	15°42	3°36	16°38	15°26	13°53	27°34	8°30	T 16
F 17	12 11 47	4°53'25	26° 2	5°50	22°59	5°53	11°50	4°55	15°45	3°36	16°38	15°20	13°50	27°40	8°27	F 17
S 18	12 15 43	5°52'28	8 亚 9	5° 2	24° 9	6°39	11°46	5° 0	15°47	3°36	16°39	15°12	13°46	27°47	8°24	S 18
S 19	12 19 40	6°51'29	20°27	4°13	25°18	7°25	11°41	5° 5	15°50	3°37	16°39	15° 3	13°43	27°54	8°20	S 19
M20	12 23 36	7°50'28	2 M 55	3°25	26°28	8°10	11°36	5°11	15°52	3°37	16°40	14°53	13°40	28° 0	8°17	M20
T 21	12 27 33	8°49'25	15°35	2°38	27°38	8°56	11°30	5°16	15°55	3°38	16°41	14°44	13°37	28° 7	8°13	T 21
W22	12 31 29	9°48'21	28°27	1°54	28°47	9°42	11°25	5°22	15°57	3°38	16°41	14°36	13°34	28°14	8°10	W22
T 23	12 35 26	10°47'14	11 × 32	1°13	29°57	10°27	11°19	5°27	16° 0	3°39	16°42	14°30	13°30	28°20	8° 6	T 23
F 24	12 39 22	11°46'06	24°50	0°35	1) 7	11°13	11°14	5°33	16° 2	3°40	16°43	14°26	13°27	28°27	8° 2	F 24
S 25	12 43 19	12°44'56	8 궁 24	0° 2	2°17	11°58	11° 8	5°38	16° 4	3°40	16°43	14°D25	13°24	28°34	7°58	S 25
S 26	12 47 16	13°43'45	22°14	29 ∺ 33	3°27	12°44	11° 2	5°44	16° 6	3°41	16°44	14°25	13°21	28°40	7°55	S 26
M27	12 51 12	14°42'32	6≈21	29° 9	4°37	13°29	10°56	5°50	16° 9	3°41	16°45	14°26	13°18	28°47	7°51	M27
T 28	12 55 9	15°41'17	20°44	28°50	5°48	14°15	10°50	5°56	16°11	3°42	16°46	14°R26	13°15	28°53	7°47	T 28
W29	12 59 5	16°40'00	5 ¥ 21	28°36	6°58	15° 0	10°43	6° 2	16°13	3°43	16°46	14°24	13°11	29° 0	7°43	W29
T 30	13 3 2	17°38'41	20° 8	28°27	8° 8	15°45	10°37	6° 8	16°15	3°44	16°47	14°20	13° 8	29° 7	7°39	T 30
F 31	13 6 58	18 ° 37'21	4Υ 57	28°D24	9 米 19	16 Y 31	10 M .30	6 Ⅱ 14	16≈17	3 95 45	16∏48	14≈13	13 ≈ 5	29 Ω 13	7 M .34	F 31

Day	0	D	ğ	φ	ď	4	ħ)Å(并	Р	n	ນ €	Š.
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
W 1 T 2	4 s21 3 57	11 s54 0n56 5 13 2 15	5 34 2	n20 18 s14 0n57 32 18 2 0 52	2 59 0 48	14s28 1n19 14 27 1 19	19 28 1 32	17 0 0 39	22n33 0s55 22 33 0 55	15 33 7 19	16 6 16	s29 11n59 30 11 56	13 27 1 12
F 3 S 4	3 34 3 10	1n44 3 23 8 30 4 17		42 17 50 0 48 52 17 37 0 43	2 40 0 48 2 22 0 47	14 26 1 19 14 25 1 20		16 58 0 39	22 33 0 55 22 33 0 55			31 11 53 32 11 50	
S 5 M 6 T 7				9 17 9 0 34		14 24 1 20 14 23 1 20 14 22 1 20	19 32 1 31	16 57 0 39	22 33 0 55 22 33 0 55 22 33 0 55	15 34 7 19	16 12 16	33 11 47 34 11 44 35 11 41	13 22 1 14
W 8 T 9	1 36	26 22 4 49 27 25 4 16	7 10 3 7 11 3	21 16 40 0 25 25 16 25 0 21	1 6 0 45 0 47 0 45	14 21 1 20 14 20 1 20	19 34 1 30 19 35 1 30	16 55 0 39 16 54 0 39	22 33 0 55 22 33 0 55	15 34 7 18 15 34 7 18	16 14 16 16 15 16	36 11 37 37 11 34	13 20 1 15 13 19 1 15
F 10 S 11	0 48 0 25		7 1 3	28 15 52 0 12		14 17 1 21	19 38 1 30	16 53 0 40	22 33 0 55 22 33 0 55	15 35 7 18	16 15 16	37 11 31 38 11 28	13 16 1 16
S 12 M13 T 14	0n23	22 30 1 40 18 46 0 37 14 19 0s26	6 34 3	27 15 36 0 8 24 15 18 0 4 19 15 1 0s 0	0n10 0 43 0 29 0 43 0 47 0 42	-	19 39 1 29 19 40 1 29 19 41 1 29	16 51 0 40	22 34 0 55 22 34 0 55 22 34 0 55	15 35 7 17	16 14 16	39 11 25 40 11 22 41 11 19	13 13 1 17
W15 T 16 F 17	1 10 1 33	9 21 1 29 4 1 2 28	5 28 3		1 6 0 42 1 25 0 41	14 12 1 21 14 10 1 21	19 42 1 29 19 43 1 29	16 49 0 40	22 34 0 55 22 34 0 54	15 36 7 16	16 16 16	42 11 16	13 9 1 18
S 18	1 57 2 20	1 s 2 9 3 2 1 7 0 4 5 1 2 1 9 4 3 9	4 31 2	45 13 46 0 16	1 44 0 40 2 2 0 40	14 7 1 21		16 47 0 40		15 37 7 16	16 20 16	44 11 10 45 11 7	13 6 1 19
S 19 M20 T 21	3 7	12 18 4 38 17 12 4 59 21 26 5 6			2 21 0 39 2 39 0 39 2 58 0 38	14 4 1 22	19 48 1 28	16 46 0 40	22 34 0 54 22 34 0 54 22 34 0 54	15 37 7 16	16 22 16 16 25 16 16 28 16	-	13 3 1 20
W22 T 23 F 24		24 42 4 57 26 44 4 33 27 18 3 53	1 55 1	50 12 25 0 30 34 12 3 0 34 18 11 42 0 37	3 17 0 38 3 35 0 37 3 53 0 37	13 59 1 22	19 51 1 27	16 44 0 40	22 34 0 54 22 34 0 54 22 34 0 54	15 38 7 15	16 32 16	48 10 54 49 10 51 50 10 48	12 59 1 21
S 25	5 3	26 15 3 0	0 57 1	2 11 20 0 41	4 12 0 36	13 55 1 22	19 53 1 27	16 42 0 40	22 34 0 54	15 39 7 15	16 34 16	51 10 45	12 55 1 22
S 26 M27 T 28	5 49	19 26 0 43	0 6 0	45 10 57 0 44 29 10 35 0 47 13 10 12 0 50		13 53 1 22 13 51 1 22 13 49 1 22	19 56 1 26	16 41 0 40	22 34 0 54 22 34 0 54 22 34 0 54	15 39 7 14	16 33 16	52 10 42 53 10 39 54 10 36	12 52 1 22
W29 T 30 F 31	6 34 6 57	7 53 1 49 1 11 2 58	0 53 0	s 3 9 49 0 53 18 9 25 0 56		13 45 1 22	20 0 1 26	16 39 0 40	22 34 0 54 22 34 0 54	15 40 7 14	16 35 16	55 10 32 56 10 29	12 47 1 24
1. 21	7n19	5n34 3n55	1s 8 0s	s32 9s 1 0s59	6n 1 0s33	13 s43 1n22	20n 1 1 s26	16 s 39 0 s 40	22n34 0s54	15n40 7s14	1085/ 10	s57 10n26	12 s45 1n24

Julian Day Number = 2237215.5, Delta T = 07m32s

Ecliptic obliquity = $23^{\circ}31'03$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'14, Lahiri = 15°40'14 Julian Calendar 1 March 1413 == Greg. Calendar 10 March 1413

APRIL 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	Р	r	v	Ç	ķ	Day
S 1	13 10 55	19 Y 35'58	19 Y 41	28 米 25	10 ∺ 29	17 Y 16	10°R24	6П20	16≈19	3 9 45	16 Ⅱ 49	14°R 4	13≈ 2	29 Ω 20	7°R30	S 1
S 2	13 14 51	20°34'34	4813	28°32	11°39	18° 1	10 M .17	6°27	16°21	3°46	16°50	13≈54	12°59	29°27	7 M 26	S 2
M 3	13 18 48	21°33'08	18°24	28°44	12°50	18°46	10°10	6°33	16°23	3°47	16°51	13°44	12°56	29°33	7°22	M 3
T 4	13 22 45	22°31'39	2 I I10	29° 0	14° 1	19°31	10° 3	6°39	16°25	3°48	16°51	13°34	12°52	29°40	7°17	T 4
W 5	13 26 41	23°30'09	15°30	29°22	15°11	20°16	9°56	6°46	16°27	3°49	16°52	13°27	12°49	29°47	7°13	W 5
T 6	13 30 38	24°28'37	28°24	29°47	16°22	21° 1	9°49	6°52	16°28	3°50	16°53	13°21	12°46	29°53	7° 9	T 6
F 7	13 34 34	25°27'02	10955	0 Υ 17	17°33	21°46	9°42	6°59	16°30	3°51	16°54	13°19	12°43	29°59	7° 4	F 7
S 8	13 38 31	26°25'25	23° 6	0°51	18°43	22°31	9°35	7° 5	16°32	3°52	16°55	13°D18	12°40	0 m) 7	7° 0	S 8
S 9	13 42 27	27°23'46	5 N 5	1°29	19°54	23°15	9°27	7°12	16°34	3°53	16°56	13°18	12°36	0°13	6°55	S 9
M10	13 46 24	28°22'05	16°55	2°11	21° 5	24° 0	9°20	7°18	16°35	3°54	16°57	13°R18	12°33	0°20	6°51	M10
T 11	13 50 20	29°20'22	28°42	2°56	22°16	24°45	9°13	7°25	16°37	3°55	16°58	13°17	12°30	0°27	6°47	T 11
W12	13 54 17	0 8 18'37	10 m 32	3°45	23°27	25°30	9° 5	7°32	16°38	3°57	16°59	13°14	12°27	0°33	6°42	W12
T 13	13 58 13	1°16'49	22°28	4°37	24°38	26°14	8°58	7°39	16°40	3°58	17° 0	13° 8	12°24	0°40	6°38	T 13
F 14	14 2 10	2°15'00	4 ₽ 34	5°33	25°49	26°59	8°50	7°46	16°41	3°59	17° 1	13° 0	12°21	0°47	6°33	F 14
S 15	14 6 7	3°13'09	16°52	6°31	27° 0	27°43	8°43	7°53	16°43	4° 0	17° 2	12°50	12°17	0°53	6°28	S 15
S 16	14 10 3	4°11'16	29°24	7°32	28°11	28°27	8°35	8° 0	16°44	4° 2	17° 3	12°37	12°14	1° 0	6°24	S 16
M17	14 14 0	5° 9'22	12 M .11	8°37	29°22	29°12	8°28	8° 7	16°45	4° 3	17° 4	12°24	12°11	1° 7	6°19	M17
T 18	14 17 56	6° 7'25	25°10	9°43	0 Υ 33	29°56	8°20	8°14	16°47	4° 4	17° 6	12°12	12° 8	1°13	6°15	T 18
W19	14 21 53	7° 5'28	8 ∡ 23	10°53	1°44	0840	8°12	8°21	16°48	4° 6	17° 7	12° 1	12° 5	1°20	6°10	W19
T 20	14 25 49	8° 3'28	21°46	12° 5	2°56	1°25	8° 5	8°28	16°49	4° 7	17° 8	11°52	12° 1	1°26	6° 6	T 20
F 21	14 29 46	9° 1'28	5 云 20	13°20	4° 7	2° 9	7°57	8°35	16°50	4° 8	17° 9	11°47	11°58	1°33	6° 1	F 21
S 22	14 33 43	9°59'26	19° 3	14°37	5°18	2°53	7°49	8°42	16°51	4°10	17°10	11°44	11°55	1°40	5°57	S 22
S 23	14 37 39	10°57'22	2≈56	15°56	6°30	3°37	7°42	8°49	16°52	4°11	17°11	11°43	11°52	1°46	5°52	S 23
M24	14 41 36	11°55'18	16°58	17°18	7°41	4°21	7°34	8°57	16°53	4°13	17°12	11°43	11°49	1°53	5°48	M24
T 25	14 45 32	12°53'12	1 ∀ 8	18°42	8°52	5° 5	7°26	9° 4	16°54	4°14	17°14	11°43	11°46	2° 0	5°43	T 25
W26	14 49 29	13°51'04	15°26	20° 9	10° 4	5°49	7°19	9°11	16°55	4°16	17°15	11°40	11°42	2° 6	5°39	W26
T 27	14 53 25	14°48'56	29°50	21°37	11°15	6°33	7°11	9°19	16°56	4°17	17°16	11°36	11°39	2°13	5°34	T 27
F 28	14 57 22	15°46'46	14 Y 14	23° 8	12°27	7°17	7° 4	9°26	16°56	4°19	17°17	11°28	11°36	2°20	5°30	F 28
S 29	15 1 18	16°44'35	28°34	24°41	13°38	8° 0	6°56	9°34	16°57	4°21	17°19	11°18	11°33	2°26	5°25	S 29
S 30	15 5 15	17842'22	12 8 45	26 Y 16	14 Y 50	8 8 44	6 M .49	9 Ⅱ 41	16≈58	49522	17 Ⅲ 20	11≈ 6	11≈30	2 Mg 33	5 M 21	S 30

Day	0	D		ğ		φ		ď	7	2	4	ŧ	1);	j (4	(E)	n	v	Ç	ď	;
	decl	decl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n42	11n59	4n36	1 s20	0 s47	8 s 3 7	1 s 2	6n18	0 s32	13 s41	1n22	20n 2	1 s25	16 s38	0 s40	22n34	0 s54	15n40	7s13	16 s40	16 s58	10n23	12 s44	1n24
S 2	8 4		4 59	1 30	1 0	8 13	1 5	6 36		13 39				16 38		22 34	0 54	15 41					12 42	1 25
M 3	8 26		5 2	1 37	1 13	7 48	1 8	6 54	0 31	13 37	1 22		1 25			-	0 54	-				10 17	-	1 25
T 4	-	-	4 47	1 42	1 25	7 23	1 10	7 12		13 34				16 37		22 34	0 54	-		16 48		-	12 39	1 26
W 5	9 9		4 17	1 44	1 36	6 58	1 13	7 29		13 32	1 22		1 25			22 34	0 54	15 41		16 50		10 11		1 26
T 6 F 7	9 31		3 35 2 43	1 43 1 40	1 47 1 57	6 33	1 15 1 17	7 47 8 4	0 29 0 29		1 22 1 22		1 25 1 24			22 34	0 54 0 54	15 42 15 42		16 52 16 53		10 8 10 4		1 26 1 27
S 8			1 45	1 40	1 57	6 7 5 42	1 17	8 21		13 28 13 25		20 9		16 34		22 34 22 34	0 54	-		16 53		-	12 33	1 27
S 9	10 35		0 44	1 28	2 14	5 16	1 22	8 39			1 22	-		16 34		22 34	0 54			16 53			12 30	1 27
M10	10 56		0s19	1 18	2 22	4 50	1 24	8 56	0 27		1 22	-	1 24			22 34	0 53	-		16 53		9 55		1 28
T 11	11 16		1 21	1 6	2 29	4 24	1 26	9 13	0 26	-	1 22	-	1 24			22 34	0 53			16 53		9 52	-	1 28
W12	11 37	5 30	2 19	0 52	2 35	3 57	1 28	9 30	0 26	13 16	1 22	20 16	1 24	16 33	0 41	22 34	0 53	15 43	7 11	16 54	17 7	9 49	12 24	1 29
T 13	11 57	0 4	3 12	0 37	2 41	3 31	1 30	9 46	0 25	13 14	1 22	20 17	1 23	16 32	0 41	22 34	0 53	15 43	7 11	16 56	17 8	9 46	12 22	1 29
F 14	12 18	5 s26	3 56	0 19	2 45	3 4	1 31	10 3	0 24	13 11	1 22	20 18	1 23	16 32	0 41	22 34	0 53	15 44	7 11	16 58	17 9	9 43	12 21	1 29
S 15	12 38	10 49	4 31	0n 0	2 49	2 37	1 33	10 20	0 24	13 9	1 22	20 20	1 23	16 32	0 41	22 34	0 53	15 44	7 11	17 1	17 10	9 39	12 19	1 30
S 16	12 57	15 51	4 53	0 21	2 53	2 10	1 35	10 36	0 23	13 7	1 22	20 21	1 23	16 31	0 41	22 34	0 53	15 44	7 11	17 5	17 11	9 36	12 17	1 30
M17	13 17		5 0	0 44	2 55	1 43		10 52	0 22			20 22		16 31	0 41	22 34	0 53		7 11		17 12		12 15	1 30
T 18	13 36		4 53	1 9	2 57	1 16		11 9	0 22					16 30		22 34	0 53		7 11		17 13		12 13	1 31
W19	13 55		4 30	1 35	2 59	0 49		11 25	0 21	12 59				16 30		22 34	0 53			17 15			12 11	1 31
T 20 F 21	14 14		3 51	2 2	2 59	0 22		11 41	0 21	12 57	1 22			16 30		22 34	0 53			17 17			12 10	1 31
S 22	14 33 14 52		3 0 1 57	2 31 3 2	2 59 2 59	0n 6 0 33		11 57 12 12		12 55 12 52	1 22	20 27 20 28		16 29 16 29		22 34 22 34	0 53 0 53	-		17 19 17 19		9 21 9 17	-	1 32
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S 23			0 46	3 33	2 58	1 1	-	12 28		12 50	1 22		1 22	-		-	0 53	15 46		17 20		9 14		1 32
M24	15 28	-	0n28	4 6	2 56	1 28		12 44	0 18		1 22	20 31	1 22	-		22 34	0 53	15 46				9 11	12 2	1 32
T 25	15 45	9 32	1 41	4 41	2 54	1 55	-	12 59		12 45	1 22		1 22			22 34	0 53	15 46		17 20		9 8	12 1	1 33
W26 T 27	16 3 16 20		2 48	5 16 5 52	2 51 2 47	2 23 2 50		13 14 13 29		12 43 12 40	1 22 1 21		1 22	16 28 16 28		22 34 22 34	0 53 0 53	15 47 15 47	7 9 7 9	17 20 17 22		9 5 9 2	11 59 11 57	1 33
F 28	16 20	-	4 28	6 30	2 47	3 18		13 44		12 40		20 35		16 28		22 34	0 53			17 24			11 57	1 33
S 29			4 53	7 8	2 38	3 45	1 47			12 36		20 30		16 28		22 34		15 47		17 27			11 54	1 34
			5n 0	7n48		4n13		14n14		12 s33		20n38		16 s27		22n34		15n48		17 s30			11 s52	
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Julian Day Number = 2237246.5, Delta T = 07m32s

Ecliptic obliquity = $23^{\circ}31'03$, Nutation = $0^{\circ}00'11$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'18, Lahiri = 15°40'19 Julian Calendar 1 Apr. 1413 == Greg. Calendar 10 Apr. 1413

MAY 1413 JC 00:00 UT

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M 1	15 9 11	18840'09	26840	27 Y 53	16 Y 2	9 8 28	6°R42	9 Ⅱ 49	16≈59	49524	17 II 21	10°R55	11≈27	2 Mp 40	5°R17	M 1
T 2	15 13 8	19°37'54	10 Ⅱ 16	29°33	17°13	10°11	6 M .34	9°56	16°59	4°26	17°22	10≈44	11°23	2°46	5 M .12	T 2
W 3	15 17 5	20°35'37	23°29	1814	18°25	10°55	6°27	10° 4	17° 0	4°27	17°24	10°35	11°20	2°53	5° 8	W 3
T 4	15 21 1	21°33'19	6920	2°58	19°37	11°38	6°20	10°11	17° 0	4°29	17°25	10°28	11°17	3° 0	5° 4	T 4
F 5	15 24 58	22°30'59	18°50	4°44	20°48	12°22	6°13	10°19	17° 1	4°31	17°26	10°24	11°14	3° 6	4°59	F 5
S 6	15 28 54	23°28'38	1 Ω 2	6°32	22° 0	13° 5	6° 6	10°26	17° 1	4°33	17°28	10°22	11°11	3°13	4°55	S 6
S 7	15 32 51	24°26'15	13° 1	8°23	23°12	13°48	5°59	10°34	17° 1	4°34	17°29	10°D22	11° 7	3°20	4°51	S 7
M 8	15 36 47	25°23'51	24°53	10°15	24°24	14°32	5°52	10°42	17° 2	4°36	17°30	10°R22	11° 4	3°26	4°47	M 8
T 9	15 40 44	26°21'25	6Mp42	12° 9	25°35	15°15	5°45	10°49	17° 2	4°38	17°32	10°22	11° 1	3°33	4°43	T 9
W10	15 44 41	27°18'58	18°33	14° 6	26°47	15°58	5°38	10°57	17° 2	4°40	17°33	10°20	10°58	3°40	4°39	W10
T 11	15 48 37	28°16'30	0 ჲ 33	16° 4	27°59	16°41	5°32	11° 5	17° 2	4°42	17°34	10°16	10°55	3°46	4°35	T 11
F 12	15 52 34	29°14'00	12°44	18° 5	29°11	17°24	5°25	11°13	17° 2	4°44	17°36	10° 9	10°52	3°53	4°31	F 12
S 13	15 56 30	0П11'28	25°11	20° 7	0823	18° 7	5°19	11°20	17°R 2	4°45	17°37	10° 0	10°48	4° 0	4°28	S 13
S 14	16 0 27	1° 8'56	7 M 56	22°12	1°35	18°50	5°12	11°28	17° 2	4°47	17°38	9°49	10°45	4° 6	4°24	S 14
M15	16 4 23	2° 6'22	20°59	24°18	2°47	19°33	5° 6	11°36	17° 2	4°49	17°40	9°38	10°42	4°13	4°20	M15
T 16	16 8 20	3° 3'48	4 ₹ 19	26°25	3°59	20°16	5° 0	11°44	17° 2	4°51	17°41	9°27	10°39	4°20	4°17	T 16
W17	16 12 16	4° 1'12	17°54	28°34	5°11	20°58	4°54	11°51	17° 2	4°53	17°42	9°18	10°36	4°26	4°13	W17
T 18	16 16 13	4°58'36	1 石 42	0 Ⅱ 44	6°23	21°41	4°49	11°59	17° 2	4°55	17°44	9°11	10°33	4°33	4°10	T 18
F 19	16 20 10	5°55'59	15°39	2°55	7°35	22°24	4°43	12° 7	17° 1	4°57	17°45	9° 6	10°29	4°39	4° 6	F 19
S 20	16 24 6	6°53'21	29°42	5° 6	8°47	23° 6	4°37	12°15	17° 1	4°59	17°47	9° 4	10°26	4°46	4° 3	S 20
S 21	16 28 3	7°50'42	13≈48	7°18	9°59	23°49	4°32	12°23	17° 1	5° 1	17°48	9°D 4	10°23	4°53	4° 0	S 21
M22	16 31 59	8°48'03	27°57	9°30	11°11	24°32	4°27	12°31	17° 0	5° 3	17°49	9° 5	10°20	4°59	3°56	M22
T 23	16 35 56	9°45'23	12 米 6	11°42	12°23	25°14	4°21	12°38	17° 0	5° 5	17°51	9°R 5	10°17	5° 6	3°53	T 23
W24	16 39 52	10°42'43	26°14	13°53	13°35	25°56	4°16	12°46	17° 0	5° 7	17°52	9° 4	10°13	5°13	3°50	W24
T 25	16 43 49	11°40'02	10 Y 20	16° 4	14°47	26°39	4°12	12°54	16°59	5° 9	17°54	9° 1	10°10	5°19	3°47	T 25
F 26	16 47 45	12°37'21	24°22	18°14	16° 0	27°21	4° 7	13° 2	16°58	5°11	17°55	8°55	10° 7	5°26	3°45	F 26
S 27	16 51 42	13°34'40	8816	20°23	17°12	28° 3	4° 2	13°10	16°58	5°14	17°57	8°48	10° 4	5°33	3°42	S 27
S 28	16 55 39	14°31'58	22° 1	22°30	18°24	28°45	3°58	13°18	16°57	5°16	17°58	8°40	10° 1	5°39	3°39	S 28
M29	16 59 35	15°29'15	5 Ⅱ 32	24°36	19°37	29°28	3°54	13°26	16°56	5°18	17°59	8°31	9°58	5°46	3°36	M29
T 30	17 3 32	16°26'32	18°47	26°40	20°49	0 П 10	3°50	13°33	16°56	5°20	18° 1	8°22	9°54	5°53	3°34	T 30
W31	17 7 28	17 Ⅲ 23'49	19545	28 Ⅱ 43	228 1	0 Ⅱ 52	3 M .46	13 Ⅱ 41	16≈55	59522	18 I I 2	8≈16	9≈51	5 m 59	3 M .31	W31

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W 3 17 57					12 27 1 21	-				17 39 17 26	8 43	
T 4 18 13	-				12 24 1 21					17 40 17 27	8 40	
F 5 18 28 S 6 18 42	-				12 22 1 20 12 20 1 20			22 34 0 53 22 34 0 53		17 41 17 28 17 42 17 29	8 36 8 33	
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M 8 19 10 T 9 19 24	-		1 34 7 49 1 47 1 24 8 16 1 47		12 16 1 20 12 14 1 20			22 34 0 53 22 34 0 53		17 42 17 30 17 42 17 31	8 27 8 24	
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M15 20 39 T 16 20 50				17 36 0 5 17 48 0 4				22 33 0 52 22 33 0 52		17 54 17 36 17 57 17 37	-	11 28 1 38 11 27 1 38
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S 21 21 41	1 16 20 On	On25 22 15	0 40 13 19 1 37	18 46 0 1	11 51 1 17	21 3 1 19	16 27 0 42	22 33 0 52	15 52 7 7	18 3 17 42	7 46	11 20 1 40
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T 25 22 15					11 45 1 17			22 33 0 52		18 4 17 45	7 33	
F 26 22 23					11 44 1 16			22 33 0 52	15 53 7 6	18 5 17 46	7 30	
S 27 22 30	0 19 7 5	5 5 24 40	1 30 15 36 1 29	19 50 0 3	11 43 1 16	21 9 1 18	16 28 0 42	22 33 0 52	15 53 7 6	18 7 17 47	7 27	11 13 1 41
S 28 22 37			1 36 15 58 1 27							18 9 17 48		
S 21 21 41 M22 21 50 T 23 21 59 W24 22 7 T 25 22 15 F 26 22 23 S 27 22 30 S 28 22 37 M29 22 43 T 30 22 49	1 16 20 On. 0 10 40 1 9 4 28 2 7 1n56 3 5 8 13 4 3 14 3 4 0 19 7 5 7 23 7 4 3 25 46 4 9 26 55 3	On25 22 15 1 39 22 46 2 47 23 14 3 45 23 39 4 28 24 2 4 56 24 22 5 5 24 40 4 57 24 54 4 33 25 6 3 54 25 15	0 40 13 19 1 37 0 50 13 43 1 36 0 59 14 6 1 35 1 7 14 29 1 33 1 15 14 52 1 32 1 23 15 14 1 30 1 30 15 36 1 29 1 36 15 58 1 27 1 41 16 19 1 25 1 46 16 40 1 24	18 46 0 1 18 58 0 0 19 8 0n 0 19 19 0 1 19 30 0 2 19 40 0 2 19 50 0 3 20 0 0 4 20 10 0 4 20 20 0 5	11 51 1 17 11 50 1 17 11 48 1 17 11 47 1 17 11 45 1 17 11 44 1 16 11 43 1 16 11 42 1 16 11 40 1 16 11 39 1 15	21 3 1 19 21 4 1 19 21 5 1 19 21 6 1 19 21 7 1 19 21 8 1 18 21 9 1 18 21 10 1 18 21 11 1 18 21 12 1 18	16 27 0 42 16 27 0 42 16 28 0 42 16 29 0 42 16 29 0 42 16 29 0 42	22 33 0 52 22 33 0 52	15 52 7 7 7 15 52 7 7 7 15 53 7 7 6 15 53 7 6 15 53 7 6 15 53 7 6 15 54 7 6 15 54 7 6 15 54 7 6	18 3 17 42 18 3 17 43 18 3 17 43 18 3 17 44 18 4 17 45 18 5 17 46 18 7 17 47	7 46 7 43 7 39 7 36 7 33 7 30 7 27 7 23 7 20 7 17	11 20 11 19 11 17 11 16 11 15 11 14 11 13 11 12 11 10 11 9

Julian Day Number = 2237276.5, Delta T = 07m32s

Ecliptic obliquity = $23^{\circ}31'02$, Nutation = $0^{\circ}00'11$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'22, Lahiri = 15°40'23 Julian Calendar 1 May 1413 == Greg. Calendar 10 May 1413

JUNE 1413 JC 00:00 UT

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T 1	17 11 25	18 Ⅲ 21'05	149925	09943	23814	1 Ⅱ 34	3°R42	13 Ⅱ 49	16°R54	5924	18 I I 4	8°R11	9≈48	6M) 6	3°R29	T 1
F 2	17 15 21	19°18'20	26°48	2°41	24°26	2°16	3 M .39	13°57	16≈53	5°26	18° 5	8≈ 8	9°45	6°13	3ML27	F 2
S 3	17 19 18	20°15'35	8 Ω 57	4°38	25°38	2°58	3°35	14° 5	16°52	5°28	18° 7	8°D 7	9°42	6°19	3°25	S 3
S 4	17 23 14	21°12'49	20°55	6°32	26°51	3°39	3°32	14°13	16°51	5°31	18° 8	8° 8	9°39	6°26	3°23	S 4
M 5	17 27 11	22°10'02	2m 47	8°24	28° 3	4°21	3°29	14°20	16°50	5°33	18° 9	8° 9	9°35	6°33	3°21	M 5
T 6	17 31 8	23° 7'14	14°36	10°14	29°16	5° 3	3°26	14°28	16°49	5°35	18°11	8°11	9°32	6°39	3°19	T 6
W 7	17 35 4	24° 4'26	26°28	12° 1	0П28	5°44	3°23	14°36	16°48	5°37	18°12	8°R11	9°29	6°46	3°17	W 7
T 8	17 39 1	25° 1'38	8 ₾ 29	13°47	1°41	6°26	3°21	14°44	16°47	5°39	18°14	8°10	9°26	6°53	3°15	T 8
F 9	17 42 57	25°58'49	20°43	15°30	2°53	7° 8	3°18	14°52	16°46	5°42	18°15	8° 7	9°23	6°59	3°14	F 9
S 10	17 46 54	26°55'59	3 M 13	17°11	4° 6	7°49	3°16	14°59	16°44	5°44	18°16	8° 3	9°19	7° 6	3°12	S 10
S 11	17 50 50	27°53'09	16° 4	18°49	5°19	8°31	3°14	15° 7	16°43	5°46	18°18	7°57	9°16	7°13	3°11	S 11
M12	17 54 47	28°50'19	29°17	20°26	6°31	9°12	3°12	15°15	16°42	5°48	18°19	7°51	9°13	7°19	3°10	M12
T 13	17 58 43	29°47'28	12 × 52	22° 0	7°44	9°53	3°11	15°22	16°40	5°50	18°21	7°45	9°10	7°26	3°8	T 13
W14	18 2 40	09544'38	26°46	23°32	8°57	10°35	3° 9	15°30	16°39	5°53	18°22	7°40	9° 7	7°33	3° 7	W14
T 15	18 637	1°41'47	10 る 57	25° 1	10° 9	11°16	3° 8	15°38	16°37	5°55	18°24	7°36	9° 4	7°39	3° 6	T 15
F 16	18 10 33	2°38'56	25°19	26°28	11°22	11°57	3° 7	15°45	16°36	5°57	18°25	7°34	9° 0	7°46	3° 5	F 16
S 17	18 14 30	3°36'06	9 ≈ 48	27°53	12°35	12°38	3° 6	15°53	16°34	5°59	18°26	7°D33	8°57	7°53	3° 5	S 17
S 18	18 18 26	4°33'15	24°17	29°15	13°48	13°19	3° 5	16° 1	16°33	6° 2	18°28	7°34	8°54	7°59	3° 4	S 18
M19	18 22 23	5°30'25	8) (43	0 Ω 35	15° 0	14° 0	3° 4	16° 8	16°31	6° 4	18°29	7°35	8°51	8° 6	3° 3	M19
T 20	18 26 19	6°27'35	23° 2	1°53	16°13	14°41	3° 4	16°16	16°30	6° 6	18°30	7°36	8°48	8°13	3° 3	T 20
W21	18 30 16	7°24'45	7 Υ 12	3° 8	17°26	15°22	3° 4	16°23	16°28	6° 8	18°32	7°R37	8°45	8°19	3° 2	W21
T 22	18 34 13	8°21'56	21°10	4°20	18°39	16° 3	3°D 4	16°31	16°26	6°11	18°33	7°36	8°41	8°26	3° 2	T 22
F 23	18 38 9	9°19'08	4 8 57	5°30	19°52	16°44	3° 4	16°38	16°25	6°13	18°34	7°35	8°38	8°33	3° 2	F 23
S 24	18 42 6	10°16'20	18°31	6°37	21° 5	17°25	3° 4	16°46	16°23	6°15	18°36	7°32	8°35	8°39	3°D 2	S 24
S 25	18 46 2	11°13'32	1 Ⅱ 51	7°42	22°18	18° 5	3° 5	16°53	16°21	6°17	18°37	7°28	8°32	8°46	3° 2	S 25
M26	18 49 59	12°10'45	14°57	8°43	23°31	18°46	3° 5	17° 1	16°19	6°19	18°38	7°24	8°29	8°53	3° 2	M26
T 27	18 53 55	13° 7'59	27°50	9°41	24°44	19°27	3° 6	17° 8	16°17	6°22	18°40	7°20	8°25	8°59	3° 2	T 27
W28	18 57 52	14° 5'13	109528	10°37	25°57	20° 7	3° 7	17°15	16°16	6°24	18°41	7°17	8°22	9° 6	3° 3	W28
T 29	19 1 48	15° 2'27	22°54	11°29	27°10	20°48	3° 9	17°23	16°14	6°26	18°42	7°16	8°19	9°13	3° 3	T 29
F 30	19 5 45	15959'41	5 N 6	$12\Omega 18$	28Ⅲ23	21 Ⅱ 28	3 M _10	17 Ⅲ 30	16≈12	69528	18 Ⅱ 44	7°D15	8≈16	9 m p19	3M 4	F 30

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S 4 M 5 T 6 W 7 T 8	23 13 23 17 23 20 23 23 23 25	8 30 2 9 3 15 3 5 2s 8 3 52	20 1. 1 0	59 18 37 1 12 59 18 55 1 10 58 19 12 1 8	21 14 0 9 21 22 0 9 21 30 0 10	11 34 1 14 11 33 1 14 11 32 1 13	21 18 1 18 21 19 1 18 21 20 1 18	16 31 0 43 16 31 0 43 16 32 0 43	22 32 0 52 22 32 0 52	15 55 7 6 15 55 7 6 15 55 7 6	18 17 17 54 18 17 17 55 18 17 17 55 18 17 17 56 18 17 17 57	6 58 11 4 1 42 6 55 11 3 1 42
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S 11 M12 T 13 W14 T 15 F 16 S 17	23 31 23 31 23 31 23 30 23 29	24 45 4 49 26 37 4 14 26 52 3 24 25 23 2 20 22 14 1 6	23 39 1 4 23 19 1 3 22 59 1 3 22 37 1 2 22 14 1 2	32 21 0 0 53 26 21 13 0 50 20 21 25 0 48	22 7 0 13 22 14 0 14 22 21 0 15 22 27 0 15 22 33 0 16	11 30 1 12 11 29 1 12 11 29 1 11 11 29 1 11 11 29 1 11	21 25 1 17 21 26 1 17 21 27 1 17 21 27 1 17 21 28 1 17	16 34 0 43 16 34 0 43 16 35 0 43 16 35 0 43 16 36 0 43	22 32 0 52 22 31 0 52	15 56 7 6 15 56 7 6 15 56 7 6 15 56 7 6 15 56 7 6	18 20 18 0 18 22 18 0 18 24 18 1 18 25 18 2 18 26 18 3 18 26 18 4 18 27 18 5	6 39 11 0 1 43 6 36 10 59 1 43 6 32 10 59 1 44 6 29 10 58 1 44 6 26 10 58 1 44 6 23 10 57 1 44 6 20 10 57 1 44
S 18 M19 T 20 W21 T 22 F 23 S 24	23 11	5 49 2 42 0n39 3 43 7 0 4 30 12 55 5 1 18 7 5 13	21 1 0 5 20 35 0 4 20 9 0 3 19 43 0 2 19 16 0 1	37 22 0 0 41 48 22 10 0 38 49 22 20 0 36 49 22 29 0 33 49 22 37 0 31	22 51 0 18 22 56 0 18 23 2 0 19 23 7 0 20	11 29 1 10 11 29 1 10 11 29 1 10 11 29 1 9 11 30 1 9	21 31 1 17 21 32 1 17 21 32 1 17 21 32 1 17 21 33 1 17 21 34 1 17	16 37 0 43 16 38 0 43 16 38 0 43 16 39 0 43 16 39 0 43	22 31 0 52 22 31 0 52	15 57 7 6 15 57 7 6 15 57 7 6 15 57 7 6 15 57 7 6	18 26 18 5 18 26 18 6 18 26 18 7 18 26 18 8 18 26 18 9 18 26 18 10 18 27 18 10	6 1 10 55 1 45
T 27 W28	22 57 22 52 22 46 22 40	26 47 4 9 26 50 3 20 25 28 2 22 22 51 1 18	17 55 0 1 17 29 0 2 17 2 0 3 16 36 0 4	22 58 0 23 25 23 4 0 21 27 23 9 0 18 49 23 14 0 16	23 25 0 22 23 29 0 23 23 32 0 24 23 36 0 24	11 31 1 8 11 31 1 8 11 32 1 8 11 33 1 7	21 36 1 17 21 37 1 17 21 38 1 17 21 38 1 17	16 41 0 43 16 42 0 43 16 42 0 43 16 43 0 43	22 30 0 52 22 30 0 52 22 30 0 52 22 30 0 52	15 58 7 6 15 58 7 6 15 58 7 6 15 58 7 6	18 28 18 11 18 29 18 12 18 30 18 13 18 31 18 14 18 31 18 15 18 31 18 15	5 48 10 55 1 45 5 45 10 55 1 45 5 41 10 55 1 45

Julian Day Number = 2237307.5, Delta T = 07m32s

Ecliptic obliquity = 23°31'01, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°33'27, Lahiri = 15°40'27 Julian Calendar 1 June 1413 == Greg. Calendar 10 June 1413

JULY 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	ķ	Day
S 1	19 9 42	16956'56	17 Ω 9	130 3	29П37	22 II 9	3ML12	17 Ⅲ 37	16°R10	6931	18 Ⅱ 45	7≈15	8≈13	9 m 26	3M 5	S 1
S 2	19 13 38	17°54'12	29° 3	13°45	0950	22°49	3°13	17°44	16≈ 8	6°33	18°46	7°16	8°10	9°33	3° 5	S 2
M 3	19 17 35	18°51'27	10 m 53	14°23	2° 3	23°29	3°15	17°51	16° 6	6°35	18°48	7°18	8° 6	9°39	3° 6	M 3
T 4	19 21 31	19°48'43	22°42	14°57	3°16	24°10	3°17	17°58	16° 4	6°37	18°49	7°19	8° 3	9°46	3° 7	T 4
W 5	19 25 28	20°45'59	4 ₽ 34	15°27	4°30	24°50	3°20	18° 5	16° 2	6°39	18°50	7°20	8° 0	9°53	3°8	W 5
T 6	19 29 24	21°43'16	16°34	15°53	5°43	25°30	3°22	18°12	15°59	6°41	18°51	7°R21	7°57	9°59	3° 9	T 6
F 7	19 33 21	22°40'33	28°46	16°14	6°56	26°10	3°25	18°19	15°57	6°44	18°53	7°21	7°54	10° 6	3°11	F 7
S 8	19 37 17	23°37'50	11 M .16	16°31	8° 9	26°50	3°28	18°26	15°55	6°46	18°54	7°20	7°51	10°13	3°12	S 8
S 9	19 41 14	24°35'08	24° 7	16°43	9°23	27°30	3°31	18°33	15°53	6°48	18°55	7°19	7°47	10°19	3°14	S 9
M10	19 45 11	25°32'26	7 . ₹21	16°50	10°36	28°10	3°34	18°40	15°51	6°50	18°56	7°18	7°44	10°26	3°15	M10
T 11	19 49 7	26°29'45	21° 0	16°R53	11°50	28°50	3°37	18°47	15°49	6°52	18°57	7°16	7°41	10°33	3°17	T 11
W12	19 53 4	27°27'05	5ਰ 5	16°50	13° 3	29°30	3°41	18°54	15°46	6°54	18°58	7°15	7°38	10°39	3°19	W12
T 13	19 57 0	28°24'25	19°30	16°42	14°17	09510	3°44	19° 0	15°44	6°56	19° 0	7°14	7°35	10°46	3°21	T 13
F 14	20 0 57	29°21'46	4≈12	16°29	15°30	0°49	3°48	19° 7	15°42	6°59	19° 1	7°D14	7°31	10°53	3°23	F 14
S 15	20 4 53	0 Ω 19'08	19° 4	16°11	16°44	1°29	3°52	19°14	15°40	7° 1	19° 2	7°14	7°28	10°59	3°25	S 15
S 16	20 8 50	1°16'31	3) €58	15°47	17°57	2° 9	3°56	19°20	15°37	7° 3	19° 3	7°15	7°25	11° 6	3°27	S 16
M17	20 12 46	2°13'55	18°47	15°19	19°11	2°48	4° 1	19°27	15°35	7° 5	19° 4	7°15	7°22	11°13	3°30	M17
T 18	20 16 43	3°11'20	3 Υ 24	14°47	20°25	3°28	4° 5	19°33	15°33	7° 7	19° 5	7°15	7°19	11°19	3°32	T 18
W19	20 20 40	4° 8'46	17°44	14°10	21°38	4° 7	4°10	19°39	15°30	7° 9	19° 6	7°16	7°16	11°26	3°35	W19
T 20	20 24 36	5° 6'14	1846	13°30	22°52	4°47	4°15	19°46	15°28	7°11	19° 7	7°R16	7°12	11°33	3°37	T 20
F 21	20 28 33	6° 3'43	15°28	12°46	24° 6	5°26	4°19	19°52	15°26	7°13	19° 8	7°16	7° 9	11°39	3°40	F 21
S 22	20 32 29	7° 1'14	28°50	12° 1	25°19	6° 6	4°25	19°58	15°23	7°15	19° 9	7°D16	7° 6	11°46	3°43	S 22
S 23	20 36 26	7°58'46	11 II 54	11°13	26°33	6°45	4°30	20° 4	15°21	7°17	19°10	7°16	7° 3	11°53	3°46	S 23
M24	20 40 22	8°56'19	24°41	10°25	27°47	7°24	4°35	20°11	15°19	7°19	19°11	7°16	7° 0	11°59	3°49	M24
T 25	20 44 19	9°53'54	79514	9°36	29° 1	8° 3	4°41	20°17	15°16	7°21	19°12	7°16	6°57	12° 6	3°52	T 25
W26	20 48 15	10°51'30	19°35	8°49	0Ω15	8°43	4°47	20°23	15°14	7°23	19°13	7°16	6°53	12°13	3°55	W26
T 27	20 52 12	11°49'07	1 Ω 45	8° 3	1°29	9°22	4°52	20°28	15°12	7°25	19°14	7°R17	6°50	12°19	3°58	T 27
F 28	20 56 9	12°46'46	13°47	7°20	2°43	10° 1	4°58	20°34	15° 9	7°27	19°15	7°17	6°47	12°26	4° 2	F 28
S 29	21 0 5	13°44'26	25°42	6°41	3°57	10°40	5° 5	20°40	15° 7	7°28	19°16	7°16	6°44	12°33	4° 5	S 29
S 30	21 4 2	14°42'07	7 m 33	6° 7	5°11	11°19	5°11	20°46	15° 4	7°30	19°17	7°16	6°41	12°39	4° 9	S 30
M31	21 7 58	15 Ω 39'49	19 m 21	5 Ω 37	6№25	119558	5 M .17	20耳51	15≈ 2	79 32	19 Ⅱ 18	7≈15	6≈37	12 M)46	4 M L13	M31

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S 1	22n26	14n53	0s54	15n46	1 s 1 5	23n21	0s10	23n42	0n26	11s34	1n 7	7 21n40	1 s 1 7	16 s44	0 s43	22n30	0 s52	15n58	7s 6	18 s31	18s16	5n35	10s55	1n46
S 2	22 19	10 0	1 58	15 21	1 28	23 23	0 8	23 45	0 26	11 35	1 7	21 40	1 17	16 45	0 43	22 30	0 52	15 58	7 6	18 31	18 17	5 32	10 55	1 46
M 3	22 11	4 48	2 55	14 58	1 41	23 25	0 5		0 27	11 36	1 (21 41		16 45		22 30	0 52	15 58		18 30		5 29	10 56	1 46
T 4	22 3	0s33				23 26	0 3			11 37		21 42		16 46		22 29	0 52			18 30			10 56	1 46
W 5	21 54	5 53		14 13		23 26	0 0			11 38		21 42		16 47		22 29	0 52			18 30			10 56	1 46
T 6 F 7	21 45 21 36	11 5 15 56		13 53 13 33		23 26 23 25	0n 2 0 5	23 55 23 57		11 39 11 40		21 43 5 21 44		16 47 16 48		22 29 22 29	0 52 0 52			18 30 18 30			10 57 10 57	1 46 1 46
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S 9	21 16	23 45	5 3	12 59	3 2	23 21	0 10	24 0	0.31	11 43	1 5	21 45	1 17	16 49	0 44	22 29	0 52	15 58	7 6	18 30	18 23	5 9	10 58	1 47
M10	21 6	26 7	4 34	12 45	3 15	23 18	0 12	24 2	0 31	11 44	1 4	1 21 45	1 17	16 50		22 29	0 52	15 58	7 6	18 30	18 24	5 6	10 58	1 47
T 11	20 55	27 1	3 49	12 32	3 28	23 14	0 15	24 3	0 32	11 46	1 4	1 21 46	1 17	16 50	0 44	22 29	0 52	15 59	7 6	18 31	18 24	5 3	10 59	1 47
W12	20 44			12 21	3 40		0 17			11 47		1 21 46		16 51		22 29	0 52			18 31			10 59	1 47
T 13	20 33			12 12	3 52		0 19			11 48		21 47		16 52		22 29	0 52			18 31		4 56		1 47
F 14 S 15	20 21 20 9		0 17 1n 5			22 58 22 52	0 22 0 24			11 50 11 52		3 21 47 3 21 48		16 53 16 53		22 28 22 28				18 31 18 31		4 53 4 50		1 47 1 47
	19 56	7 52		11 59		22 45	0 26			11 53		21 49		16 54		22 28		15 59		18 31		4 47		1 47
M17 T 18	19 44 19 30	1 13 5n23		11 59 12 1	4 31 4 38		0 29 0 31	-		11 55 11 57		21 49 2 21 50		16 55 16 55		22 28 22 28	0 52 0 52		7 7	18 31	18 29	4 44 4 40		1 47 1 47
W19		11 35		12 6	4 43	-	0 33		0 30	11 58		2 21 50		16 56		22 28	0 52			18 31		4 37	-	1 47
T 20	19 3	17 4		12 14	4 48		0 36		0 38			2 21 50		16 57		22 28	0 52			18 31		4 34		1 48
F 21	18 49	21 32	5 14	12 23	4 50	21 59	0 38	24 2	0 38	12 2	1 2	2 21 51	1 17	16 57	0 44	22 28	0 52	15 59	7 7	18 31	18 33	4 31	11 5	1 48
S 22	18 35	24 46	4 55	12 35	4 51	21 48	0 40	24 1	0 39	12 4	1 1	21 51	1 17	16 58	0 44	22 27	0 52	15 59	7 7	18 31	18 33	4 28	11 6	1 48
S 23	18 20	26 36	4 21	12 49	4 50	21 36	0 42	24 0	0 39	12 6	1 1	21 52	1 17	16 59	0 44	22 27	0 52	15 59	7 7	18 31	18 34	4 24	11 7	1 48
M24	18 5	27 0	3 35	13 4	4 47	21 24	0 44	23 59	0 40	12 8	1 1	21 52	1 17	17 0	0 44	22 27	0 52	15 59	7 7	18 31	18 35	4 21	11 8	1 48
T 25	17 50			13 22		21 10		23 57	0 41	12 10		21 53	1 17			22 27	0 52		7 7		18 36	4 18	-	1 48
W26	17 34	-		13 40		20 57		23 55	0 41	12 13		21 53	1 17			22 27	0 52			18 31			11 10	1 48
T 27 F 28		20 20 16 10		14 0 14 20		20 43 20 28		23 53 23 51		12 15 12 17		21 53	1 17 1 17			22 27 22 27	0 52 0 52			18 31 18 31			11 11 11 12	1 48 1 48
S 29	16 45			14 41		20 28		23 48		12 17		21 54	1 17			22 27		15 59		18 31			11 13	1 48
S 30	16 29	6 17	2 40	15 2	3 53	19 56	0 56	23 46	0 44	12 22	0 59	21 55	1 17	17 4	0 44	22 27	0 52	15 59	7 7	18 31	18 40	4 2	11 14	1 48
M31	16n12	0n58	-	15n23		19n39		23n43		12 s24		21n55		17s 5		22n26		15n59			18s41		11s16	-

Julian Day Number = 2237337.5, Delta T = 07m31s

Ecliptic obliquity = 23°31'01, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°33'31, Lahiri = 15°40'31 Julian Calendar 1 July 1413 == Greg. Calendar 10 July 1413

AUGUST 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	В	ß	Ω	Ç	ķ	Day
T 1	21 11 55	16Ω37'33	1 ₽ 10	5°R14	7 Ω 39	12937	5 M 24	20 I 57	15°R 0	7 9 34	19 Ⅱ 19	7°R13	6≈34	12 m 53	4ML16	T 1
W 2	21 15 51	17°35'17	13° 3	4Ω57	8°53	13°15	5°31	21° 2	14≈57	7°36	19°20	7≈12	6°31	12°59	4°20	W 2
T 3	21 19 48	18°33'03	25° 3	4°47	10° 7	13°54	5°37	21° 8	14°55	7°38	19°20	7°11	6°28	13° 6	4°24	T 3
F 4	21 23 44	19°30'50	7 M .14	4°D44	11°21	14°33	5°45	21°13	14°52	7°39	19°21	7°10	6°25	13°13	4°28	F 4
S 5	21 27 41	20°28'39	19°41	4°49	12°35	15°11	5°52	21°19	14°50	7°41	19°22	7°D 9	6°22	13°19	4°32	S 5
S 6	21 31 38	21°26'28	2 ₹ 27	5° 2	13°49	15°50	5°59	21°24	14°48	7°43	19°23	7°10	6°18	13°26	4°37	S 6
M 7	21 35 34	22°24'19	15°36	5°23	15° 3	16°29	6° 6	21°29	14°45	7°45	19°23	7°11	6°15	13°33	4°41	M 7
T 8	21 39 31	23°22'11	29°11	5°51	16°18	17° 7	6°14	21°34	14°43	7°46	19°24	7°12	6°12	13°39	4°45	T 8
W 9	21 43 27	24°20'05	13 る 12	6°27	17°32	17°46	6°22	21°39	14°41	7°48	19°25	7°13	6° 9	13°46	4°50	W 9
T 10	21 47 24	25°18'00	27°40	7°11	18°46	18°24	6°29	21°44	14°38	7°50	19°26	7°14	6° 6	13°53	4°54	T 10
F 11	21 51 20	26°15'56	12≈29	8° 2	20° 0	19° 2	6°37	21°49	14°36	7°51	19°26	7°R14	6° 3	13°59	4°59	F 11
S 12	21 55 17	27°13'53	27°34	9° 1	21°15	19°41	6°45	21°53	14°34	7°53	19°27	7°13	5°59	14° 6	5° 4	S 12
S 13	21 59 13	28°11'53	12) (46	10° 6	22°29	20°19	6°53	21°58	14°31	7°54	19°28	7°11	5°56	14°13	5° 8	S 13
M14	22 3 10	29° 9'53	27°55	11°18	23°43	20°57	7° 2	22° 3	14°29	7°56	19°28	7° 9	5°53	14°20	5°13	M14
T 15	22 7 7	0 m) 7'56	12 Y 51	12°36	24°58	21°35	7°10	22° 7	14°27	7°57	19°29	7° 6	5°50	14°26	5°18	T 15
W16	22 11 3	1° 6'01	27°28	13°59	26°12	22°13	7°19	22°11	14°24	7°59	19°29	7° 3	5°47	14°33	5°23	W16
T 17	22 15 0	2° 4'08	11840	15°28	27°27	22°51	7°27	22°16	14°22	8° 0	19°30	7° 1	5°43	14°40	5°28	T 17
F 18	22 18 56	3° 2'16	25°26	17° 1	28°41	23°29	7°36	22°20	14°20	8° 2	19°30	6°59	5°40	14°46	5°34	F 18
S 19	22 22 53	4° 0'27	8 Ⅱ 46	18°38	29°56	24° 7	7°45	22°24	14°18	8° 3	19°31	6°D59	5°37	14°53	5°39	S 19
S 20	22 26 49	4°58'40	21°43	20°19	1 m 10	24°45	7°54	22°28	14°15	8° 5	19°31	7° 0	5°34	15° 0	5°44	S 20
M21	22 30 46	5°56'55	49520	22° 3	2°25	25°23	8° 3	22°32	14°13	8° 6	19°32	7° 2	5°31	15° 6	5°50	M21
T 22	22 34 42	6°55'13	16°40	23°50	3°39	26° 1	8°12	22°36	14°11	8° 7	19°32	7° 3	5°28	15°13	5°55	T 22
W23	22 38 39	7°53'32	28°48	25°39	4°54	26°39	8°22	22°40	14° 9	8° 9	19°33	7° 4	5°24	15°20	6° 1	W23
T 24	22 42 36	8°51'53	10 Ω 47	27°29	6° 8	27°16	8°31	22°44	14° 7	8°10	19°33	7°R 5	5°21	15°26	6° 6	T 24
F 25	22 46 32	9°50'16	22°41	29°21	7°23	27°54	8°40	22°47	14° 5	8°11	19°34	7° 4	5°18	15°33	6°12	F 25
S 26	22 50 29	10°48'41	4 m /31	1 m) 13	8°38	28°32	8°50	22°51	14° 3	8°13	19°34	7° 1	5°15	15°40	6°18	S 26
S 27	22 54 25	11°47'07	16°19	3° 7	9°52	29° 9	9° 0	22°54	14° 1	8°14	19°34	6°56	5°12	15°46	6°24	S 27
M28	22 58 22	12°45'36	28° 9	5° 0	11° 7	29°47	9°10	22°57	13°59	8°15	19°35	6°50	5° 8	15°53	6°30	M28
T 29	23 2 18	13°44'06	10 ♀ 1	6°54	12°22	0Ω 24	9°20	23° 1	13°57	8°16	19°35	6°43	5° 5	16° 0	6°36	T 29
W30	23 6 15	14°42'39	21°59	8°47	13°36	1° 1	9°30	23° 4	13°55	8°17	19°35	6°36	5° 2	16° 6	6°42	W30
T 31	23 10 11	15 Mp 41'13	4 M 3	10 m 41	14 M 51	1 .0 39	9 ™ 40	23 II 7	13 ≈ 53	89918	19 Ⅲ 35	6≈30	4≈59	16 M p13	6 M .48	T 31

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T 1 W 2	15n54 15 37	4s23 4s16 9 36 4 49					21n55 1s17 21 56 1 17		22n26 0s52 22 26 0 52		18 s32 18 s41 18 32 18 42	3n56 11 3 52 11	
T 3 F 4	-	18 57 5 17	16 39 2	33 18 27 1	4 23 30 0 47	12 34 0 58	21 56 1 17 21 56 1 17	17 7 0 44	22 26 0 52	15 59 7 8	18 32 18 44	3 49 11 3 46 11	21 1 49
S 5 S 6		22 40 5 9 25 24 4 46					21 57 1 17 21 57 1 17		22 26 0 52 22 26 0 52		18 33 18 45 18 32 18 45	3 43 11 3 40 11	
M 7 T 8	13 46	26 46 3 15	17 32 1	23 17 7 1 1	0 23 14 0 50	12 44 0 57		17 10 0 44	22 26 0 52 22 26 0 52	15 59 7 8	18 32 18 46 18 32 18 47	3 36 11 3 33 11	26 1 49
W 9 T 10		21 33 0 53		48 16 24 1 1	2 23 5 0 51	12 50 0 57	21 58 1 18	17 12 0 44	22 25 0 52 22 25 0 52	15 58 7 8	18 32 18 48 18 31 18 49	3 30 11 3 27 11	29 1 49
F 11 S 12	-	10 38 1 50	17 48 0	-		12 56 0 56			22 25 0 52 22 25 0 52		18 31 18 49 18 32 18 50	3 24 11 3 20 11	
S 13 M14	12 8 11 48	2n54 4 4		n13 14 52 1 1	7 22 45 0 53	13 1 0 56	21 59 1 18	17 14 0 44	22 25 0 52 22 25 0 52	15 58 7 9		3 17 11 3 14 11	35 1 50
T 15 W16 T 17	11 28 11 7 10 46		17 18 0	26 14 28 1 1 38 14 3 1 1 50 13 39 1 2	9 22 34 0 55		21 59 1 18	17 16 0 44	22 25 0 52 22 25 0 52 22 25 0 52	15 58 7 9		3 11 11 3 8 11 3 4 11	38 1 50
F 18 S 19	10 25		16 44 1	0 13 13 1 2	0 22 23 0 56	13 13 0 55 13 16 0 55	22 0 1 18	17 17 0 44	22 25 0 52	15 58 7 9	18 35 18 55 18 35 18 56	3 1 11	41 1 50
S 20 M21	9 43 9 22			18 12 22 1 2 25 11 56 1 2		13 20 0 55 13 23 0 55			22 24 0 52 22 24 0 52		18 35 18 56 18 35 18 57	2 55 11 2 52 11	
T 22 W23	8 38		14 31 1	36 11 2 1 2	3 21 51 0 59	13 26 0 54 13 29 0 54	22 1 1 18	17 20 0 44	22 24 0 52 22 24 0 52	15 58 7 10	18 34 18 58 18 34 18 59	2 48 11 2 45 11	50 1 51
T 24 F 25 S 26		17 15 0s20 12 40 1 24 7 39 2 24	13 21 1			13 32 0 54 13 35 0 54 13 39 0 54	22 1 1 18	17 21 0 44	22 24 0 52 22 24 0 52 22 24 0 52	15 57 7 10	18 34 19 0 18 34 19 0 18 35 19 1	2 42 11 2 39 11 2 36 11	53 1 51
S 27	7 10	2 23 3 18			5 21 24 1 1						18 36 19 2	2 30 11	
M28 T 29	6 47 6 25	2 s 5 8 4 3	11 24 1	49 8 44 1 2	5 21 16 1 2	13 45 0 53 13 49 0 53	22 1 1 19	17 23 0 44	22 24 0 52 22 24 0 52 22 24 0 52	15 57 7 10	18 37 19 3 18 39 19 3	2 29 11 2 26 12	
W30 T 31	6 2	13 13 5 (9 58 1	48 7 46 1 2		13 52 0 53	22 2 1 19	17 24 0 44	22 23 0 52	15 57 7 11	18 41 19 4 18 43 19 5	2 20 12 2 23 12 2n20 12	2 1 52

Julian Day Number = 2237368.5, Delta T = 07m31s

Ecliptic obliquity = $23^{\circ}31'01$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'35, Lahiri = 15°40'35 Julian Calendar 1 Aug. 1413 == Greg. Calendar 10 Aug. 1413

SEPTEMBER 1413 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	R	ß	Ç	Ŷ,	Day
F 1	23 14 8	16 m 39'49	16 M .16	12 m 33	16Mp 6	2Ω16	9 M .50	23 I I10	13°R51	89519	19 Ⅲ 36	6°R25	4≈56	16 m 20	6 M .54	F 1
S 2	23 18 5	17°38'27	28°43	14°25	17°21	2°53	10° 0	23°12	13 ≈ 49	8°20	19°36	6≈21	4°53	16°26	7° 0	S 2
S 3	23 22 1	18°37'06	11 × ⁷ 25	16°17	18°35	3°30	10°11	23°15	13°47	8°21	19°36	6°19	4°49	16°33	7° 6	S 3
M 4	23 25 58	19°35'47	24°28	18° 8	19°50	4° 7	10°21	23°18	13°45	8°22	19°36	6°D19	4°46	16°40	7°13	M 4
T 5	23 29 54	20°34'30	7 云 53	19°58	21° 5	4°44	10°32	23°20	13°44	8°23	19°36	6°20	4°43	16°46	7°19	T 5
W 6	23 33 51	21°33'15	21°44	21°47	22°20	5°21	10°42	23°23	13°42	8°24	19°37	6°21	4°40	16°53	7°26	W 6
T 7	23 37 47	22°32'01	6≈ 1	23°35	23°34	5°58	10°53	23°25	13°40	8°25	19°37	6°R22	4°37	17° 0	7°32	T 7
F 8	23 41 44	23°30'49	20°43	25°22	24°49	6°35	11° 4	23°27	13°39	8°26	19°37	6°21	4°34	17° 6	7°39	F 8
S 9	23 45 40	24°29'39	5 ¥ 46	27° 9	26° 4	7°12	11°15	23°29	13°37	8°27	19°37	6°18	4°30	17°13	7°45	S 9
S 10	23 49 37	25°28'31	21° 0	28°54	27°19	7°49	11°26	23°31	13°35	8°28	19°37	6°13	4°27	17°20	7°52	S 10
M11	23 53 34	26°27'24	6 Υ 17	0 亞 39	28°34	8°25	11°37	23°33	13°34	8°28	19°R37	6° 6	4°24	17°26	7°59	M11
T 12	23 57 30	27°26'20	21°25	2°23	29°49	9° 2	11°48	23°35	13°32	8°29	19°37	5°59	4°21	17°33	8° 6	T 12
W13	0 1 27	28°25'18	6 8 15	4° 5	1 ♀ 3	9°38	12° 0	23°37	13°31	8°30	19°37	5°51	4°18	17°40	8°12	W13
T 14	0 5 23	29°24'19	20°39	5°47	2°18	10°15	12°11	23°38	13°29	8°31	19°37	5°44	4°14	17°47	8°19	T 14
F 15	0 9 20	0 ჲ 23'22	4 II 34	7°28	3°33	10°51	12°22	23°40	13°28	8°31	19°37	5°39	4°11	17°53	8°26	F 15
S 16	0 13 16	1°22'27	17°59	9° 9	4°48	11°28	12°34	23°41	13°27	8°32	19°37	5°36	4° 8	18° 0	8°33	S 16
S 17	0 17 13	2°21'34	0957	10°48	6° 3	12° 4	12°45	23°42	13°25	8°32	19°36	5°D35	4° 5	18° 7	8°40	S 17
M18	0 21 9	3°20'44	13°31	12°26	7°18	12°40	12°57	23°43	13°24	8°33	19°36	5°35	4° 2	18°13	8°47	M18
T 19	0 25 6	4°19'56	25°47	14° 4	8°33	13°17	13° 9	23°44	13°23	8°33	19°36	5°36	3°59	18°20	8°55	T 19
W20	0 29 3	5°19'11	$7\Omega_{50}$	15°41	9°48	13°53	13°20	23°45	13°21	8°34	19°36	5°R37	3°55	18°27	9° 2	W20
T 21	0 32 59	6°18'27	19°43	17°17	11° 3	14°29	13°32	23°46	13°20	8°34	19°36	5°36	3°52	18°33	9° 9	T 21
F 22	0 36 56	7°17'46	1 m 32	18°53	12°18	15° 5	13°44	23°47	13°19	8°35	19°35	5°32	3°49	18°40	9°16	F 22
S 23	0 40 52	8°17'07	13°20	20°27	13°33	15°41	13°56	23°47	13°18	8°35	19°35	5°26	3°46	18°47	9°23	S 23
S 24	0 44 49	9°16'31	25°10	22° 1	14°48	16°17	14° 8	23°48	13°17	8°35	19°35	5°17	3°43	18°53	9°31	S 24
M25	0 48 45	10°15'56	7 º 3	23°34	16° 3	16°52	14°20	23°48	13°16	8°36	19°35	5° 6	3°40	19° 0	9°38	M25
T 26	0 52 42	11°15'24	19° 3	25° 7	17°18	17°28	14°32	23°48	13°15	8°36	19°34	4°54	3°36	19° 7	9°46	T 26
W27	0 56 38	12°14'53	1 M 9	26°39	18°33	18° 4	14°44	23°48	13°14	8°36	19°34	4°41	3°33	19°13	9°53	W27
T 28	1 0 35	13°14'25	13°23	28°10	19°48	18°39	14°57	23°R48	13°13	8°36	19°34	4°29	3°30	19°20	10° 0	T 28
F 29	1 431	14°13'59	25°46	29°40	21° 3	19°15	15° 9	23°48	13°13	8°36	19°33	4°18	3°27	19°27	10° 8	F 29
S 30	1 8 28	15 ♀ 13'34	8 ~ 19	1 M .10	22 ≏ 18	$19\Omega50$	15 M 21	23 II 48	13≈12	8937	19耳33	4≈10	3≈24	19 m 33	10 M .15	S 30

Day	0	D		ğ	ç)	C	3'		4		ħ)∤((Е)	n	Ω	Ç	Ł	5
	decl	decl lat	dec	lat	decl	lat	decl	lat	decl	lat	dec	lat	de	cl lat		decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1			s 5 8n2		6n48	-	20n46		13 s59		22n		9 17s			22n23		15n57			19s 6		12s 6	1n52
S 2	4 54	24 36 4	47 7 4	1 1 43	6 19	1 24	20 38	1 5	14 2	0 52	22	2 1 1	17	26 0	43	22 23	0 52	15 57	7 11	18 45	19 6	2 13	12 8	1 52
S 3	-		14 6 5		5 49				14 6				17			22 23				18 45			12 10	1 52
M 4	4 8		27 6 1		5 19		-	1 6				2 1 1				22 23		15 57		18 45		2 7	12 12	1 52
T 5	3 45 3 22		28 5 2 18 4 3		4 50 4 20		-	1 7 1 8					9 17			22 23 22 23	0 52 0 52			18 45	19 9 19 10	2 4 2 0	12 14 12 16	1 52 1 52
T 7	2 58		2 3 5		3 49	-	19 57		14 20				9 17			22 23					19 10		12 18	1 52
F 8	2 35		117 3		3 19	-			14 23				17			22 23	0 52			18 45			12 20	1 53
S 9	2 12	7 5 2	32 2 1	5 1 14	2 49	1 21	19 39	1 10	14 27	0 51	22	2 1 1	17	29 0	43	22 23	0 52	15 56	7 12	18 45	19 12	1 51	12 22	1 53
S 10	1 48	0 15 3	37 1 2	1 9	2 18	1 21	19 30	1 10	14 30	0 51	22	2 1 1	17	29 0	43	22 23	0 52	15 56	7 12	18 47	19 13	1 48	12 24	1 53
M11	1 25	6n35 4	26 0 4	3 1 3	1 48	1 20	19 21	1 11	14 34	0 51	22	2 1 1	17	30 0	43	22 23	0 52	15 56	7 12	18 48	19 13	1 44	12 26	1 53
T 12	1 1		57 0s		1 17	-	-		14 37			2 1 1				22 22	0 52	15 56			19 14		12 28	1 53
W13	0 38		7 0 5		0 46	-	-		14 41				17		-	22 22	0 52	15 56			19 15		12 30	1 53
T 14	-		56 1 3		0 16				14 45				17			22 22	0 52				19 16		12 32	1 53
F 15 S 16			29 2 2		0s15	-	18 44		14 48				17			22 22	0 52				19 16		12 34	1 54
	0 33	26 44 3	47 3	8 0 32	0 46		18 35		14 52			2 1 2	17			22 22		15 55			19 17	1 28	12 36	1 54
S 17			55 3 5		1 17		18 25		14 56				17			22 22		15 55			19 18		12 38	1 54
M18	1 20	-	56 4 3		1 47	-	-		14 59				17			22 22					19 19		12 41	1 54
T 19 W20	1 44 2 7		52 5 2		2 18 2 49			1 16 1 17				2 1 2 1 2				22 22 22 22	0 52 0 52				19 19 19 20		12 43 12 45	1 54
T 21	2 31		15 6 5	, 0 3	3 20				15 10			2 1 2				22 22	0 52			18 56			12 47	1 54
F 22	2 54		14 7 3		3 50	-			15 14				17			22 22	0 53				19 22		12 49	1 55
S 23	3 18		7 8 1		4 21	-			15 18				17	-		22 22		15 54			19 22		12 51	1 55
S 24	3 41	1 s37 3	52 8 5	0 22	4 51	1 5	17 16	1 19	15 21	0 49	22	1 2	17	34 0	43	22 22	0 53	15 54	7 13	19 0	19 23	1 3	12 53	1 55
M25	4 5	6 54 4	27 9 3	0 29	5 22	1 3	17 6	1 20	15 25	0 49		1 2	17	35 0	43	22 22	0 53	15 54	7 14	19 3	19 24	1 0	12 56	1 55
T 26	4 28	11 57 4	51 10 1	0 36	5 52	1 2	16 55	1 20	15 29	0 48	22	1 2	17	35 0	43	22 22	0 53	15 54	7 14	19 6	19 25	0 57	12 58	1 55
W27	4 51	16 37 5	1 10 5	0 43	6 22	1 0	16 45	1 21	15 32			2 1 2	17			22 22	0 53	15 54	7 14			0 53	13 0	1 55
T 28	-		58 11 3		6 52				15 36				17			22 22					19 26	0 50	-	1 56
F 29			41 12 1		7 22				15 40				17			22 22	0 53			19 15		0 47	-	1 56
S 30	6s 1	25 s53 4 s	s10 12 s5	1s 4	7 s52	0n55	16n13	1n23	15 s44	0n48	22n	2 1 s2	1 17 s	36 0	s43	22n22	0 s53	15n53	7s14	19 s 17	19 s28	0n44	13 s 7	1n56

Julian Day Number = 2237399.5, Delta T = 07m31s

Ecliptic obliquity = 23°31'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°33'39, Lahiri = 15°40'40 Julian Calendar 1 Sept. 1413 == Greg. Calendar 10 Sept. 1413

OCTOBER 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	ស	ນ	Ç	Ŗ	Day
S 1	1 12 25	16 ₽ 13'12	21 × 7 6	2M39	23 ॒ 33	20Ω26	15 M .34	23°R48	13°R11	8937	19°R32	4°R 5	3≈20	19 m /40	10 M 23	S 1
M 2	1 16 21	17°12'51	4궁 7	4° 8	24°48	21° 1	15°46	23 Ⅱ 47	13≈11	8°37	19 Ⅲ 32	4≈ 3	3°17	19°47	10°31	M 2
T 3	1 20 18	18°12'32	17°27	5°35	26° 3	21°36	15°59	23°47	13°10	8°R37	19°31	4°D 2	3°14	19°54	10°38	T 3
W 4	1 24 14	19°12'14	1≈ 7	7° 2	27°18	22°12	16°11	23°46	13° 9	8°37	19°31	4°R 2	3°11	20° 0	10°46	W 4
T 5	1 28 11	20°11'59	15°10	8°29	28°33	22°47	16°24	23°45	13° 9	8°37	19°30	4° 2	3° 8	20° 7	10°54	T 5
F 6	1 32 7	21°11'45	29°35	9°54	29°48	23°22	16°36	23°44	13° 8	8°37	19°30	4° 0	3° 5	20°14	11° 1	F 6
S 7	1 36 4	22°11'32	14 米 21	11°19	1 m 3	23°57	16°49	23°43	13° 8	8°36	19°29	3°55	3° 1	20°20	11° 9	S 7
S 8	1 40 0	23°11'22	29°21	12°43	2°18	24°32	17° 2	23°42	13° 8	8°36	19°29	3°48	2°58	20°27	11°17	S 8
M 9	1 43 57	24°11'13	14 Y 28	14° 6	3°33	25° 6	17°15	23°41	13° 7	8°36	19°28	3°38	2°55	20°34	11°25	M 9
T 10	1 47 54	25°11'06	29°32	15°28	4°48	25°41	17°27	23°40	13° 7	8°36	19°28	3°27	2°52	20°40	11°32	T 10
W11	1 51 50	26°11'01	14822	16°49	6° 3	26°16	17°40	23°38	13° 7	8°36	19°27	3°15	2°49	20°47	11°40	W11
T 12	1 55 47	27°10'59	28°50	18°10	7°19	26°50	17°53	23°37	13° 7	8°35	19°26	3° 5	2°45	20°54	11°48	T 12
F 13	1 59 43	28°10'58	12 Ⅱ 51	19°29	8°34	27°25	18° 6	23°35	13° 7	8°35	19°26	2°56	2°42	21° 0	11°56	F 13
S 14	2 3 40	29°11'00	26°22	20°47	9°49	27°59	18°19	23°33	13° 7	8°35	19°25	2°51	2°39	21° 7	12° 4	S 14
S 15	2 7 36	0 M L11'04	9925	22° 3	11° 4	28°33	18°32	23°32	13°D 7	8°34	19°24	2°48	2°36	21°14	12°12	S 15
M16	2 11 33	1°11'10	22° 3	23°19	12°19	29° 8	18°45	23°30	13° 7	8°34	19°24	2°47	2°33	21°20	12°20	M16
T 17	2 15 29	2°11'18	$4\Omega 20$	24°32	13°34	29°42	18°58	23°28	13° 7	8°34	19°23	2°46	2°30	21°27	12°27	T 17
W18	2 19 26	3°11'28	16°23	25°44	14°49	0 m /16	19°11	23°25	13° 7	8°33	19°22	2°46	2°26	21°34	12°35	W18
T 19	2 23 23	4°11'40	28°15	26°54	16° 4	0°50	19°24	23°23	13° 7	8°33	19°21	2°45	2°23	21°41	12°43	T 19
F 20	2 27 19	5°11'54	10 Mp 4	28° 2	17°19	1°24	19°37	23°21	13° 7	8°32	19°20	2°41	2°20	21°47	12°51	F 20
S 21	2 31 16	6°12'11	21°53	29° 7	18°34	1°57	19°51	23°18	13° 8	8°31	19°20	2°34	2°17	21°54	12°59	S 21
S 22	2 35 12	7°12'29	3 ≙ 45	0 才 10	19°49	2°31	20° 4	23°16	13° 8	8°31	19°19	2°24	2°14	22° 1	13° 7	S 22
M23	2 39 9	8°12'49	15°45	1°10	21° 4	3° 5	20°17	23°13	13° 8	8°30	19°18	2°12	2°11	22° 7	13°15	M23
T 24	2 43 5	9°13'11	27°53	2° 6	22°19	3°38	20°30	23°10	13° 9	8°29	19°17	1°58	2° 7	22°14	13°23	T 24
W25	2 47 2	10°13'35	10ML12	2°58	23°34	4°12	20°44	23° 7	13° 9	8°29	19°16	1°44	2° 4	22°21	13°31	W25
T 26	2 50 58	11°14'00	22°40	3°46	24°50	4°45	20°57	23° 4	13°10	8°28	19°15	1°30	2° 1	22°27	13°39	T 26
F 27	2 54 55	12°14'27	5 ₹ 20	4°30	26° 5	5°18	21°10	23° 1	13°11	8°27	19°14	1°18	1°58	22°34	13°47	F 27
S 28	2 58 52	13°14'56	18°10	5° 8	27°20	5°51	21°23	22°58	13°11	8°27	19°14	1° 9	1°55	22°41	13°55	S 28
S 29	3 2 48	14°15'27	1 ට 10	5°40	28°35	6°24	21°37	22°55	13°12	8°26	19°13	1° 3	1°51	22°47	14° 3	S 29
M30	3 6 45	15°15'58	1 <u>4</u> °22	6° 5	29°50	6°57	21°50	22°51	13°13	8°25	19°12	0°59	1°48	22°54	14°11	M30
T 31	3 10 41	16ML16'31	27 る 47	6 ₹ 22	1 √ 5	7 m 30	22 m 3	22 II 48	13≈14	8924	19 I I11	0°D58	1≈45	23 mg 1	14 M .19	T 31

Day	0	D	ğ	Ф	♂	4	ħ)Å(¥	Р	W U	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
S 1									22n22 0s53		19 s18 19 s28	-	13 s 9 1 n 5 6
M 2		25 59 2 31	1			15 51 0 48			22 22 0 53		19 18 19 29		13 11 1 56
T 3 W 4		23 48 1 27 20 13 0 15	-			15 55 0 48 15 59 0 43			22 22 0 53 22 22 0 53		19 19 19 30 19 19 19 31		13 13 1 56 13 15 1 57
T 5	7 55								22 22 0 53		19 19 19 31		13 13 1 57
F 6	8 18			43 10 46 0 43							19 19 19 32		13 20 1 57
S 7	8 40				14 58 1 28						19 20 19 33		13 22 1 57
S 8	9 2	3n32 4 8	17 31 1	54 11 42 0 39	14 47 1 28	16 13 0 47	22 1 1 21	17 37 0 43	22 21 0 53	15 52 7 15	19 22 19 33	0 18	13 24 1 57
M 9	9 25	10 5 4 44	18 2 2	0 12 10 0 37	14 35 1 29	16 17 0 47	22 1 1 21	17 37 0 43	22 21 0 53	15 52 7 15	19 24 19 34	0 15	13 26 1 58
T 10	9 47	16 0 5 0	18 32 2	5 12 37 0 35	14 24 1 30	16 21 0 47	22 1 1 21	17 37 0 42	22 21 0 53	15 52 7 15	19 27 19 35	0 12	13 29 1 58
W11	10 8	20 53 4 55	19 0 2	11 13 4 0 33	14 13 1 30	16 25 0 47	22 1 1 21	17 37 0 42	22 21 0 53	15 52 7 15	19 30 19 36	0 9	13 31 1 58
T 12	10 30	24 22 4 31			_	16 28 0 47			22 21 0 53		19 32 19 36	0 6	
F 13		26 14 3 51							22 21 0 53		19 34 19 37	0 2	
S 14	11 13	26 28 3 0	20 20 2	25 14 24 0 26	13 39 1 32	16 36 0 46	5 22 1 1 21	17 37 0 42	22 21 0 53	15 52 7 15	19 35 19 38	0s 1	13 37 1 59
S 15	11 34	25 11 2 0	20 44 2	29 14 49 0 23	13 28 1 33	16 39 0 46	5 22 0 1 21	17 37 0 42	22 21 0 53	15 51 7 15	19 36 19 39	0 4	13 40 1 59
M16	11 55	22 38 0 56	21 7 2	32 15 15 0 21	13 17 1 34	16 43 0 40	5 22 0 1 21	17 37 0 42	22 21 0 53	15 51 7 16	19 36 19 39	0 7	13 42 1 59
T 17	12 16					16 47 0 46			22 21 0 53		19 36 19 40	0 10	13 44 1 59
W18		14 51 1 11				16 50 0 46			22 21 0 53		19 36 19 41		13 46 1 59
T 19	12 58					16 54 0 46			22 22 0 53		19 37 19 41		13 48 2 0
F 20	13 18					16 58 0 46			22 22 0 53		19 38 19 42		13 51 2 0
S 21	13 38	0s16 3 48	22 42 2		12 19 1 37	17 1 0 46	5 22 0 1 21	17 36 0 42	22 22 0 53	15 51 7 16	19 39 19 43	0 23	13 53 2 0
S 22	13 58										19 41 19 44		13 55 2 0
M23		10 38 4 48							22 22 0 53		19 44 19 44		13 57 2 0
T 24									22 22 0 53		19 47 19 45		13 59 2 1
W25									22 22 0 53		19 50 19 46	0 36	
	15 15				11 22 1 41				22 22 0 53		19 53 19 46	0 39	
F 27			_						22 22 0 53		19 56 19 47	0 42	
S 28									22 22 0 53		19 58 19 48	0 45	
S 29	16 10	-							22 22 0 53		19 59 19 49		14 10 2 2
									22 22 0 53		20 0 19 49		14 12 2 2
T 31	16 s46	20 s57 0 s17	23 s40 2 s	s15 20 s42 0 s16	10n24 1n44	17 s37 0n45	21n58 1s22	17 s34 0 s42	22n22 0 s53	15n49 7s16	20s 0 19s50	0s54	14s14 2n 2

Julian Day Number = 2237429.5, Delta T = 07m31s

Ecliptic obliquity = $23^{\circ}31'01$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'43, Lahiri = 15°40'44 Julian Calendar 1 Oct. 1413 == Greg. Calendar 10 Oct. 1413

NOVEMBER 1413 JC 00:00 UT

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W 1	3 14 38	17 M 17'05	11≈26	6 ₹ 32	2 ₹ 20	8Mp 2	22 M 17	22°R45	13≈14	8°R23	19°R10	0°R58	1≈42	23 Mp 8	14 M 27	W 1
T 2	3 18 34	18°17'41	25°20	6°R32	3°35	8°35	22°30	22 II 41	13°15	89522	19 I I 9	0≈58	1°39	23°14	14°35	T 2
F 3	3 22 31	19°18'17	9) 30	6°23	4°50	9° 7	22°44	22°37	13°16	8°21	19°8	0°57	1°36	23°21	14°43	F 3
S 4	3 26 27	20°18'55	23°55	6° 4	6° 5	9°40	22°57	22°34	13°17	8°20	19° 7	0°53	1°32	23°28	14°51	S 4
S 5	3 30 24	21°19'34	8 Y 31	5°34	7°20	10°12	23°10	22°30	13°18	8°19	19° 6	0°46	1°29	23°34	14°59	S 5
M 6	3 34 21	22°20'14	23°14	4°53	8°35	10°44	23°24	22°26	13°19	8°18	19° 5	0°37	1°26	23°41	15° 7	M 6
T 7	3 38 17	23°20'55	7 8 56	4° 2	9°50	11°16	23°37	22°22	13°21	8°17	19° 4	0°27	1°23	23°48	15°15	T 7
W 8	3 42 14	24°21'38	22°29	3° 1	11° 5	11°48	23°51	22°18	13°22	8°16	19° 3	0°16	1°20	23°54	15°23	W 8
T 9	3 46 10	25°22'22	6 Ⅱ 46	1°51	12°20	12°19	24° 4	22°14	13°23	8°15	19° 2	0° 6	1°17	24° 1	15°30	T 9
F 10	3 50 7	26°23'08	20°41	0°35	13°35	12°51	24°18	22°10	13°24	8°14	19° 0	29 る 58	1°13	24° 8	15°38	F 10
S 11	3 54 3	27°23'55	49512	29 M .15	14°50	13°22	24°31	22° 5	13°26	8°12	18°59	29°53	1°10	24°15	15°46	S 11
S 12	3 58 0	28°24'43	17°17	27°52	16° 5	13°54	24°44	22° 1	13°27	8°11	18°58	29°50	1° 7	24°21	15°54	S 12
M13	4 1 56	29°25'33	29°58	26°31	17°20	14°25	24°58	21°57	13°29	8°10	18°57	29°D49	1° 4	24°28	16° 2	M13
T 14	4 5 53	0 ∡ 126'24	12 Ω 19	25°13	18°35	14°56	25°11	21°52	13°30	8° 9	18°56	29°49	1° 1	24°35	16°10	T 14
W15	4 9 50	1°27'17	24°24	24° 1	19°50	15°27	25°25	21°48	13°32	8° 7	18°55	29°50	0°57	24°41	16°17	W15
T 16	4 13 46	2°28'11	6 m 19	22°57	21° 5	15°58	25°38	21°43	13°33	8° 6	18°54	29°R50	0°54	24°48	16°25	T 16
F 17	4 17 43	3°29'06	18° 9	22° 3	22°20	16°28	25°51	21°39	13°35	8° 5	18°53	29°49	0°51	24°55	16°33	F 17
S 18	4 21 39	4°30'02	29°59	21°20	23°35	16°59	26° 5	21°34	13°37	8° 4	18°52	29°45	0°48	25° 1	16°41	S 18
S 19	4 25 36	5°31'00	11 ≏ 55	20°49	24°50	17°29	26°18	21°29	13°38	8° 2	18°50	29°40	0°45	25° 8	16°48	S 19
M20	4 29 32	6°31'59	23°59	20°29	26° 5	17°59	26°31	21°25	13°40	8° 1	18°49	29°32	0°42	25°15	16°56	M20
T 21	4 33 29	7°33'00	6MJ5	20°D20	27°20	18°29	26°45	21°20	13°42	7°59	18°48	29°22	0°38	25°21	17° 4	T 21
W22	4 37 25	8°34'01	18°45	20°21	28°35	18°59	26°58	21°15	13°44	7°58	18°47	29°12	0°35	25°28	17°11	W22
T 23	4 41 22	9°35'03	1 √ 29	20°33	29°50	19°29	27°11	21°10	13°46	7°56	18°46	29° 2	0°32	25°35	17°19	T 23
F 24	4 45 19	10°36'07	14°28	20°53	1ට 5	19°58	27°25	21° 6	13°48	7°55	18°45	28°54	0°29	25°42	17°26	F 24
S 25	4 49 15	11°37'11	27°40	21°22	2°20	20°28	27°38	21° 1	13°50	7°54	18°43	28°48	0°26	25°48	17°34	S 25
S 26	4 53 12	12°38'16	11る 3	21°58	3°35	20°57	27°51	20°56	13°52	7°52	18°42	28°44	0°23	25°55	17°41	S 26
M27	4 57 8	13°39'21	24°38	22°41	4°50	21°26	28° 4	20°51	13°54	7°51	18°41	28°D43	0°19	26° 2	17°49	M27
T 28	5 1 5	14°40'27	8≈21	23°29	6° 5	21°55	28°18	20°46	13°56	7°49	18°40	28°43	0°16	26° 8	17°56	T 28
W29	5 5 1	15°41'34	22°13	24°22	7°20	22°23	28°31	20°41	13°58	7°48	18°39	28°44	0°13	26°15	18° 4	W29
T 30	5 8 58	16 × 742'40	6 ₩ 12	25 M 20	8 云 35	22 m/52	28 M .44	20耳36	14≈ 0	79546	18 耳 38	28 궁 45	0≈10	26 Mp 22	18 M .11	T 30

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T 2	17 20	11 9	2 5	23 22	1 56	21 17	0 21	10 1	1 46	17 44	0 45	21 57	1 22	17 34	0 42	22 22	0 53	15 49	7 17	20 (19 51	1 1	14 18	2 3
F 3	17 37	5 7	3 9	23 9	1 44	21 33	0 23	9 49	1 46	17 48	0 45	21 57	1 22	17 33	0 42	22 22	0 53	15 49	7 17	20 1	19 52	1 4	14 21	2 3
S 4	17 53	1n17	4 2	22 52	1 30	21 49	0 26	9 37	1 47	17 51	0 44	21 57	1 22	17 33	0 42	22 22	0 53	15 49	7 17	20 2	19 53	1 7	14 23	2 3
S 5	18 9	7 40	4 40	22 32	1 15	22 4	0 28	9 26	1 48	17 55	0 44	21 57	1 22	17 33	0 42	22 22	0 53	15 49	7 17	20 3	19 54	1 10	14 25	2 4
M 6	18 25	13 41	5 0	22 8	0 58	22 19	0 30	9 14	1 49	17 58	0 44	21 57	1 22	17 32	0 42	22 22	0 53	15 49	7 17	20 5	19 54	1 13	14 27	2 4
T 7	18 40	18 55	5 0	21 41	0 40	22 32	0 33	9 3	1 49	18 1	0 44	21 56	1 21	17 32	0 42	22 22	0 53	15 49	7 17	20 7	19 55	1 16	14 29	2 4
W 8	18 55	22 58	4 40	21 10	0 21	22 46	0 35	8 51	1 50	18 5	0 44	21 56	1 21	17 32	0 42	22 22	0 53	15 49	7 17	20 10	19 56	1 20	14 31	2 5
T 9	19 10	25 30	4 3	20 37	0 1	22 58	0 38	8 40	1 51	18 8	0 44	21 56	1 21	17 31	0 42	22 22	0 53	15 48	7 17	20 12	19 56	1 23	14 33	2 5
F 10	19 24	26 23	3 13	20 1	0n19	23 10	0 40	8 28	1 52	18 12	0 44	21 56	1 21	17 31	0 41	22 22	0 53	15 48	7 17	20 13	19 57	1 26	14 35	2 5
S 11	19 39	25 39	2 12	19 24	0 40	23 21	0 42	8 17	1 52	18 15	0 44	21 56	1 21	17 30	0 41	22 22	0 53	15 48	7 17	20 15	19 58	1 29	14 37	2 5
S 12	19 52	23 30	1 6	18 47	1 0	23 32	0 45	8 6	1 53	18 18	0 44	21 55	1 21	17 30	0 41	22 22	0 53	15 48	7 17	20 15	19 58	1 32	14 39	2 6
M13	20 6	20 13	0s 1	18 9	1 19	23 42	0 47	7 54	1 54	18 22	0 44	21 55	1 21	17 29	0 41	22 23	0 53	15 48			19 59	1 35	14 41	2 6
T 14	20 19	16 6	1 6	17 34	1 36	23 51	0 49	7 43	1 55	18 25	0 44	21 55	1 21	17 29	0 41	22 23	0 53	15 48	7 17	20 15	20 0	1 38	14 43	2 6
W15	20 31	11 25	2 8	17 1	1 52	23 59	0 52	7 32	1 55	18 28	0 44	21 55	1 21	17 29	0 41	22 23	0 53	15 48	7 17	20 15	20 1	1 42	14 45	2 7
T 16	20 43	6 24	3 3	16 32	2 6	24 7	0 54	7 20	1 56	18 31	0 44	21 54	1 21	17 28	0 41	22 23	0 53	15 48	7 17	20 15	20 1	1 45	14 47	2 7
F 17	20 55	1 11	3 49	16 7	2 18	24 14	0 56	79	1 57	18 35	0 44	21 54	1 21	17 28	0 41	22 23	0 53	15 48	7 17	20 15	20 2	1 48	14 48	2 7
S 18	21 7	4s 4	4 26	15 47	2 27	24 20	0 58	6 58	1 58	18 38	0 44	21 54	1 21	17 27	0 41	22 23	0 53	15 48	7 17	20 16	20 3	1 51	14 50	2 7
S 19	21 18	9 12	-	15 32		24 25	1 0	6 47	1 58	18 41	0 44	21 54	1 21	17 27	0 41	22 23	0 53	15 47		20 17			14 52	2 8
	21 28	14 3	5 4	15 22			1 2	6 36	1 59		0 43	21 53	1 21	17 26		22 23	0 53	15 47		20 19	-	1 57	14 54	2 8
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_	21 58	24 45	4 19	15 18		24 39	1 8	6 3	2 2			21 53		17 24		22 23	0 53	15 47		20 25		2 7		2 9
F 24		26 10	3 35	15 25	2 43	24 41	1 10	5 52	2 2	18 57	0 43	21 52	1 21	17 24		22 23	0 53	15 47		20 27		2 10	15 1	2 9
S 25	22 15	26 9	2 39	15 35	2 40	24 42	1 12	5 41	2 3	19 0	0 43	21 52	1 21	17 23	0 41	22 23	0 53	15 47	7 17	20 28	20 7	2 13	15 3	2 10
S 26	_	24 37	-	15 47		24 42	1 14	5 30	2 4	19 3		21 52	1 21	-		22 24		15 47		20 29		2 16	-	2 10
M27	22 31	21 38		16 2	2 33		1 16	5 19	2 5	19 6	0 43	21 52	1 21	17 22		22 24	0 53	15 47		20 29		2 19		2 10
T 28	22 38	17 24	0n52	16 19	2 27	24 40	1 18	5 9	2 6	19 9	0 43	21 51	1 21	17 21	0 41	22 24	0 53	15 47		20 29		2 22	15 8	2 11
	22 45	12 12	2 4	16 38	2 22	24 38	1 19	4 58	2 7	19 12	0 43	21 51	1 20	17 21	0 41	22 24	0 53	15 47			20 10		15 10	
T 30	22 s51	6 s20	3n 9	16 s 58	2n16	24 s 35	1 s21	4n48	2n 7	19s15	0n43	21n51	1 s20	17 s20	0s41	22n24	0 s53	15n47	7s16	20 s29	20 s11	2 s28	15 s12	2n11

Julian Day Number = 2237460.5, Delta T = 07m31s

Ecliptic obliquity = 23°31'00, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°33'48, Lahiri = 15°40'48 Julian Calendar 1 Nov. 1413 == Greg. Calendar 10 Nov. 1413

DECEMBER 1413 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ	ᡟ	¥	Р	R	ລ	Ç	ę,	Day
F 1	5 12 55	17 .7 43'47	20) 18	26M22	9 ට 50	23 m/20	28 M .57	20°R31	14≈ 3	7°R44	18°R36	28°R46	0≈ 7	26 Mp 28	18 M .18	F 1
S 2	5 16 51	18°44'54	4Υ 29	27°28	11° 5	23°48	29°10	20∏26	14° 5	794 3	18 Ⅱ 35	28 궁 45	0° 3	26°35	18°26	S 2
S 3	5 20 48	19°46'02	18°44	28°36	12°20	24°16	29°23	20°21	14° 7	7°41	18°34	28°42	0° 0	26°42	18°33	S 3
M 4	5 24 44	20°47'09	2 8 59	29°47	13°34	24°44	29°36	20°16	14°10	7°40	18°33	28°37	29 궁 57	26°49	18°40	M 4
T 5	5 28 41	21°48'17	17°12	1 才 0	14°49	25°11	29°49	20°11	14°12	7°38	18°32	28°31	29°54	26°55	18°47	T 5
W 6	5 32 37	22°49'25	1 I I16	2°16	16° 4	25°38	0 x 2	20° 6	14°14	7°36	18°30	28°25	29°51	27° 2	18°54	W 6
T 7	5 36 34	23°50'34	15° 9	3°33	17°19	26° 5	0°15	20° 1	14°17	7°35	18°29	28°20	29°48	27° 9	19° 1	T 7
F 8	5 40 30	24°51'43	28°45	4°52	18°34	26°32	0°28	19°56	14°19	7°33	18°28	28°15	29°44	27°15	19° 8	F 8
S 9	5 44 27	25°52'52	1295 3	6°12	19°48	26°59	0°41	19°51	14°22	7°31	18°27	28°12	29°41	27°22	19°15	S 9
S 10	5 48 24	26°54'01	25° 1	7°34	21° 3	27°25	0°53	19°46	14°25	7°30	18°26	28°D11	29°38	27°29	19°22	S 10
M11	5 52 20	27°55'11	7 Ω 39	8°56	22°18	27°51	1° 6	19°42	14°27	7°28	18°25	28°12	29°35	27°35	19°29	M11
T 12	5 56 17	28°56'21	20° 1	10°20	23°33	28°17	1°19	19°37	14°30	7°26	18°23	28°13	29°32	27°42	19°36	T 12
W13	6 0 13	29°57'32	2MD 8	11°44	24°47	28°43	1°31	19°32	14°33	7°25	18°22	28°15	29°29	27°49	19°42	W13
T 14	6 4 10	0중58'42	14° 5	13°10	26° 2	29° 8	1°44	19°27	14°35	7°23	18°21	28°17	29°25	27°56	19°49	T 14
F 15	6 8 6	1°59'53	25°57	14°36	27°17	29°33	1°57	19°22	14°38	7°21	18°20	28°18	29°22	28° 2	19°56	F 15
S 16	6 12 3	3° 1'05	7 ≏ 48	16° 2	28°31	29°58	2° 9	19°17	14°41	7°20	18°19	28°R18	29°19	28° 9	20° 2	S 16
S 17	6 15 59	4° 2'16	19°44	17°30	29°46	0 ≏ 23	2°22	19°13	14°44	7°18	18°18	28°17	29°16	28°16	20° 9	S 17
M18	6 19 56	5° 3'28	1 M 50	18°58	1≈ 1	0°47	2°34	19°8	14°46	7°16	18°16	28°14	29°13	28°22	20°15	M18
T 19	6 23 53	6° 4'40	14° 8	20°26	2°15	1°11	2°46	19° 3	14°49	7°15	18°15	28°11	29° 9	28°29	20°22	T 19
W20	6 27 49	7° 5'52	26°43	21°55	3°30	1°35	2°59	18°59	14°52	7°13	18°14	28° 8	29° 6	28°36	20°28	W20
T 21	6 31 46	8° 7'05	9 , 737	23°25	4°44	1°59	3°11	18°54	14°55	7°11	18°13	28° 5	29° 3	28°43	20°34	T 21
F 22	6 35 42	9° 8'17	22°51	24°55	5°59	2°22	3°23	18°50	14°58	7° 9	18°12	28° 2	29° 0	28°49	20°40	F 22
S 23	6 39 39	10° 9'29	6 පි 23	26°26	7°13	2°45	3°35	18°45	15° 1	7° 8	18°11	28° 0	28°57	28°56	20°46	S 23
S 24	6 43 35	11°10'41	20°12	27°57	8°28	3° 8	3°47	18°41	15° 4	7° 6	18°10	27°59	28°54	29° 3	20°52	S 24
M25	6 47 32	12°11'52	4≈14	2 <u>9</u> °28	9°42	3°30	3°59	18°36	15° 7	7° 4	18° 9	27°D59	28°50	29° 9	20°58	M25
T 26	6 51 28	13°13'03	18°26	1る 0	10°57	3°52	4°11	18°32	15°10	7° 3	18° 8	27°59	28°47	29°16	21° 4	T 26
W27	6 55 25	14°14'13	2) (43	2°33	12°11	4°13	4°23	18°28	15°13	7° 1	18° 7	28° 0	28°44	29°23	21°10	W27
T 28	6 59 22	15°15'23	17° 2	4° 6	13°25	4°35	4°35	18°24	15°16	6°59	18° 6	28° 2	28°41	29°29	21°16	T 28
F 29	7 3 18	16°16'32	1 Υ 19	5°39	14°40	4°56	4°46	18°20	15°19	6°58	18° 5	28° 2	28°38	29°36	21°22	F 29
S 30	7 7 15	17°17'40	15°31	7°13	15°54	5°16	4°58	18°15	15°23	6°56	18° 4	28°R 3	28°35	29°43	21°27	S 30
S 31	7 11 11	18 궁 18'47	29 Y 36	8 궁 47	17≈ 8	5 ≏ 36	5 ₹ 9	18 Ⅱ 12	15 ≈ 26	6 9 54	18耳 3	28중 3	28 ට 31	29 m 50	21 M 33	S 31

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S 3 M 4 T 5 W 6		21 43 4		5 1 4	0 24 9	1 26 1 27 1 28 1 30	4 16 4 6 3 56 3 46	2 11 2 12	19 23 19 26 19 29 19 32	0 43 0 43	21 50 21 50 21 49 21 49	1 20 1 20	17 18 17 17 17 16 17 16	0 41 0 41	22 24 22 24 22 24 22 24	0 53 0 53	15 46	7 16 7 16	20 29 20 30 20 31 20 33	20 14 20 14	2 41 2 44	15 17 15 18 15 20 15 21	2 12 2 13 2 13 2 14
T 7	23 22 23 25	26 13 3	3 33 19 3 2 34 19 5	3 1 2 5 1 1	4 23 54	1 31 1 32 1 33	3 36 3 26 3 16	2 13 2 14	19 34 19 37 19 40	0 43 0 43	21 49 21 49 21 49 21 48	1 20 1 20	17 15 17 14 17 13	0 41 0 41	22 24 22 25 22 25 22 25 22 25	0 53 0 53	15 46 15 46	7 16 7 16	20 34 20 35 20 35 20 35	20 16 20 16	2 50 2 53	15 23 15 25 15 26	2 14 2 14 2 14 2 15
T 14	23 29 23 30 23 31 23 31 23 31 23 30	17 35 0 13 1 1 8 1 2 2 49 3	0 17 20 3 0 s 5 2 21 1 5 7 21 2 2 5 5 21 4 3 46 21 5 4 26 22 1	0 0 50 0 40 0 30 0 20	4 23 2 6 22 50 8 22 37	1 34 1 35 1 36 1 37 1 38 1 39	3 7 2 57 2 48 2 38 2 29 2 20	2 17 2 18 2 19	19 42 19 45 19 48 19 50 19 53 19 55	0 43 0 43 0 43 0 43	21 48 21 48 21 47 21 47 21 47	1 19 1 19 1 19		0 41 0 41 0 41 0 41	22 25 22 25 22 25 22 25 22 25 22 25 22 25	0 53 0 53 0 53 0 53	15 46 15 46 15 46 15 46	7 16 7 16 7 16 7 16	20 35 20 35 20 35 20 35 20 34 20 34	20 18 20 19 20 20 20 20	3 3 3 6 3 9 3 12	15 28 15 29 15 30 15 32 15 33 15 35	2 15 2 15 2 16 2 16 2 17 2 17
S 17 M18 T 19	23 25 23 23	12 32 5 17 3 5 20 56 5		0 0 0 5 0s 1	3 22 9 6 21 54 2 21 38 9 21 21 6 21 5	1 39 1 40 1 40 1 41 1 41	2 10 2 2 1 53 1 44 1 35	2 23	20 3 20 5	0 43 0 43 0 43	21 47 21 46 21 46 21 46 21 46	1 19 1 18 1 18 1 18 1 18	17 7 17 6 17 5	0 41 0 41 0 41	22 25 22 26 22 26 22 26 22 26	0 53 0 53 0 53	15 46 15 46 15 46	7 15 7 15 7 15	20 34 20 34 20 35 20 35 20 36	20 22 20 23 20 24	3 21 3 24 3 27	15 36 15 37 15 39 15 40 15 41	2 17 2 18 2 18 2 19 2 19
T 21 F 22 S 23	23 16 23 12 23 8	25 51 3 26 21 3 25 18 1	3 56 23 4 3 2 23 5 1 56 24	0 2 0 3 0 3	3 20 47 0 20 29 7 20 10	1 41 1 42 1 42	1 27 1 18 1 10	2 26 2 27 2 28	20 10 20 12 20 15	0 42 0 42 0 42	21 46 21 45 21 45	1 18 1 18 1 18	17 3 17 3 17 2	0 40 0 40 0 40	22 26 22 26 22 26	0 53 0 53 0 53	15 46 15 46 15 46	7 15 7 15 7 15	20 37 20 37 20 38	20 25 20 26 20 26	3 34 3 37 3 40	15 43 15 44 15 45	2 19 2 20 2 20
W27 T 28 F 29	22 57	18 42 0 13 36 1 7 44 3 1 28 3 4n51 4	3 59 24 3 1 43 24 3	1 0 5 7 0 5 1 1 : 5 1 : 7 1 1:	6 19 10 2 18 49 8 18 28 3 18 6	1 42 1 42 1 42 1 42 1 41 1 41 1 41	1 2 0 54 0 46 0 39 0 31 0 24 0 16	2 30 2 31 2 32 2 33 2 34	20 17 20 19 20 21 20 24 20 26 20 28 20 30	0 42 0 42 0 42 0 42 0 42	21 45 21 45 21 44 21 44 21 44 21 44 21 44	1 17 1 17 1 17	-	0 40 0 40 0 40 0 40 0 40	22 26 22 26 22 26 22 27 22 27 22 27 22 27	0 53 0 53 0 53 0 53 0 53	15 46 15 46 15 46 15 46	7 14 7 14 7 14 7 14 7 14	20 38 20 38 20 38 20 38 20 37 20 37 20 37	20 27 20 28 20 29 20 29 20 30	3 46 3 49 3 52 3 55 3 58	15 46 15 47 15 48 15 49 15 51 15 52 15 53	2 21 2 21 2 22 2 22 2 22 2 23 2 23
S 31	22 s16	16n18 5	5n17 24s3	7 1 s2	3 17 s20	1 s40	0n 9	2n36	20 s32	0n42	21n44	1s16	16 s54	0 s40	22n27	0 s53	15n47	7s14	20 s37	20 s31	4s 4	15 s54	2n24

Julian Day Number = 2237490.5, Delta T = 07m31s

Ecliptic obliquity = 23°31'00, Nutation = 0°00'14, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°33'52, Lahiri = 15°40'52 Julian Calendar 1 Dec. 1413 == Greg. Calendar 10 Dec. 1413