

Astrodienst Ephemeris Tables for the year 1416

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 1416 JC 00:00 UT

UANU	AVINI T-	410 OC													00.0	0 01
Day	Sid.t	0	D	ğ	P	ď	4	ħ)∤(并	В	v	v	Ç	Ŗ	Day
W 1	7 13 13	18 궁 50'01	25 る 23	4≈25	26≈56	26 <u>₽</u> 4	26 පි 45	18°R46	23≈ 3	11°R28	20°R10	21°R 7	19 х 49	21 🗷 21	14 × 38	W 1
T 2	7 17 10	19°51'09	7≈31	5°58	27°20	26°35	26°59	189541	23° 6	119526	20耳 9	21 🗷 3	19°46	21°28	14°44	T 2
F 3	7 21 6	20°52'16	19°47	7°30	27°41	27° 5	27°13	18°36	23° 9	11°25	20° 8	20°58	19°42	21°35	14°50	F 3
S 4	7 25 3	21°53'22	2 ₩15	8°58	28° 1	27°35	27°28	18°31	23°12	11°23	20° 7	20°52	19°39	21°41	14°56	S 4
S 5	7 29 0	22°54'27	14°55	10°24	28°18	28° 5	27°42	18°26	23°16	11°21	20° 6	20°47	19°36	21°48	15° 2	S 5
M 6	7 32 56	23°55'31	27°49	11°47	28°34	28°35	27°56	18°21	23°19	11°20	20° 5	20°43	19°33	21°55	15° 8	M 6
T 7	7 36 53	24°56'34	10 Y 59	13° 5	28°47	29° 5	28°10	18°17	23°22	11°18	20° 4	20°40	19°30	22° 1	15°14	T 7
W 8	7 40 49	25°57'36	24°26	14°19	28°58	29°35	28°25	18°12	23°25	11°16	20° 3	20°D39	19°27	22° 8	15°20	W 8
T 9	7 44 46	26°58'37	8 8 13	15°27	29° 7	0 M 4	28°39	18° 7	23°28	11°15	20° 2	20°40	19°23	22°15	15°25	T 9
F 10	7 48 42	27°59'37	22°19	16°29	29°13	0°33	28°53	18° 2	23°31	11°13	20° 1	20°41	19°20	22°21	15°31	F 10
S 11	7 52 39	29° 0'36	6 ∏ 44	17°23	29°17	1° 2	29° 7	17°57	23°34	11°12	20° 0	20°43	19°17	22°28	15°37	S 11
S 12	7 56 35	0≈ 1'34	21°26	18°10	29°R19	1°31	29°21	17°52	23°38	11°10	19°59	20°R43	19°14	22°34	15°42	S 12
M13	8 0 32	1° 2'30	69319	18°48	29°18	2° 0	29°36	17°47	23°41	11°8	19°59	20°42	19°11	22°41	15°48	M13
T 14	8 4 29	2° 3'25	21°17	19°16	29°14	2°29	29°50	17°43	23°44	11° 7	19°58	20°39	19°8	22°48	15°53	T 14
W15	8 8 25	3° 4'19	6 Ω 12	19°34	29° 8	2°57	0≈ 4	17°38	23°48	11° 5	19°57	20°34	19° 4	22°54	15°59	W15
T 16	8 12 22	4° 5'12	20°54	19°R41	29° 0	3°25	0°18	17°33	23°51	11° 4	19°56	20°28	19° 1	23° 1	16° 4	T 16
F 17	8 16 18	5° 6'04	5 Mp 17	19°37	28°49	3°54	0°33	17°29	23°54	11° 2	19°55	20°20	18°58	23° 8	16° 9	F 17
S 18	8 20 15	6° 6'54	19°14	19°22	28°35	4°21	0°47	17°24	23°57	11° 1	19°54	20°13	18°55	23°14	16°14	S 18
S 19	8 24 11	7° 7'44	2 ≙ 44	18°56	28°19	4°49	1° 1	17°20	24° 1	10°59	19°54	20° 7	18°52	23°21	16°20	S 19
M20	8 28 8	8° 8'33	15°47	18°20	28° 1	5°17	1°15	17°15	24° 4	10°58	19°53	20° 2	18°48	23°28	16°25	M20
T 21	8 32 4	9° 9'21	28°25	17°34	27°40	5°44	1°30	17°11	24° 8	10°56	19°52	19°59	18°45	23°34	16°30	T 21
W22	8 36 1	10°10'08	10 M .42	16°39	27°17	6°11	1°44	17° 6	24°11	10°55	19°51	19°D59	18°42	23°41	16°35	W22
T 23	8 39 58	11°10'53	22°44	15°38	26°51	6°38	1°58	17° 2	24°14	10°53	19°51	19°59	18°39	23°48	16°40	T 23
F 24	8 43 54	12°11'38	4 ₹ 35	14°32	26°24	7° 4	2°12	16°58	24°18	10°52	19°50	20° 0	18°36	23°54	16°45	F 24
S 25	8 47 51	13°12'22	16°21	13°23	25°55	7°31	2°26	16°54	24°21	10°51	19°49	20°R 1	18°33	24° 1	16°49	S 25
S 26	8 51 47	14°13'04	28° 8	12°12	25°24	7°57	2°40	16°50	24°25	10°49	19°49	20° 1	18°29	24° 8	16°54	S 26
M27	8 55 44	15°13'46	9 궁 59	11° 2	24°51	8°23	2°54	16°45	24°28	10°48	19°48	19°59	18°26	24°14	16°59	M27
T 28	8 59 40	16°14'26	21°57	9°55	24°17	8°49	3° 9	16°42	24°31	10°47	19°48	19°54	18°23	24°21	17° 3	T 28
W29	9 3 3 7	17°15'04	4≈ 6	8°51	23°42	9°14	3°23	16°38	24°35	10°45	19°47	19°47	18°20	24°27	17° 8	W29
T 30	9 7 33	18°15'41	16°28	7°53	23° 6	9°39	3°37	16°34	24°38	10°44	19°46	19°37	18°17	24°34	17°12	T 30
F 31	9 11 30	19≈16'17	29≈ 2	7 ≈ 0	22≈29	10 M 4	3≈51	16930	24≈42	109543	19 Ⅱ 46	19 × 726	18 × 14	24 × 741	17 × 717	F 31

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W 1	22 s11	18 s14	2n57	20 s44	1 s34	10 s46	1n56	8 s29	1n44	21 s19	0 s27	22n12	0n 1	14 s33	0 s43	22n16	0 s45	16n32	6s38	23 s13	23 s 7	23 s 6	18s 0 4	4n40
T 2		14 47	-	20 14	-		2 8	8 40		21 16		22 13		14 32		22 16		16 32		23 13		23 5		4 40
F 3		10 41		19 43		10 7	2 20	8 51		21 14		22 14	0 1			22 16		16 32		23 12		23 5		4 40
S 4	21 44	6 6	4 56	19 11	1 9	9 49	2 33	9 2	1 44	21 11		22 15	0 1	14 30	0 43	22 16	0 45	16 32	6 38	23 12	23 7	23 4	18 1 4	4 41
S 5	21 34	1 11		18 38		9 31	2 46		1 44			22 16		14 29		22 16		16 32	6 38			-		4 41
M 6	21 23	3n52				9 13		9 23		21 5		22 16		14 28		22 17		16 32				23 3	-	1 42
T 7 W 8	21 13			17 32		8 56	3 12	9 33		21 3		22 17 22 18		14 27		22 17 22 17		16 32	6 38	23 11 23 11		23 3 23 2		4 42 4 42
T 9	21 1	13 32 17 37		16 59 16 26		8 40 8 24	3 25 3 39			21 0 20 57		22 18		14 26 14 24		22 17		16 32 16 32		23 11		23 2 23 2	-	1 42
F 10		20 48		15 54	0n 3	8 9		10 4		20 54		22 19		14 23		22 17		16 32		23 11		-		1 43
S 11		22 45		15 23	0 18	7 54		10 14		20 51		22 20		14 22		22 17		16 32		23 11				1 44
S 12	20 13	23 10	0 s 4	14 53	0 34	7 40	4 21	10 24	1 45	20 48	0.28	22 21	0 2	14 21	0.42	22 18	0.45	16 32	6 37	23 11	23 5	23 0	18 2 4	1 44
M13		21 58		14 26		7 27		10 24		20 45	0 28			14 20		22 18		16 33		23 11		23 0	-	1 45
T 14	19 46	19 13	2 38		1 8	7 15	4 49	10 44		20 43		22 22		14 19		22 18		16 33	6 36			22 59	18 2 4	4 45
W15	19 32	15 12	3 42	13 39	1 25	7 4	5 4	10 53	1 45	20 40	0 28	22 23	0 2	14 18	0 42	22 18	0 45	16 33	6 36	23 11		22 59		4 45
T 16	19 18			13 20		6 54				20 37	0 28			14 17		22 18		16 33	6 36			22 58		4 46
F 17	19 3		4 58		-	6 44		11 12		20 34	0 29	-		14 16		22 18		16 33		23 10		22 58		4 46
S 18	18 48	0 s28	5 9	12 53	2 17	6 36	5 46	11 22	1 45	20 31	0 29	22 25	0 3	14 15	0 42	22 18	0 45	16 33	6 36	23 9	23 3	22 57	18 3 4	1 47
S 19	18 33	-		12 46	-	6 28		11 31		20 28		22 26		14 13		22 19		16 33	6 36			22 57		4 4 7
M20	18 17			12 42	2 49	6 21		11 40		20 25	0 29	-	0 3			22 19		16 33	6 36			22 56		4 48
T 21 W22	18 1	14 43 18 11		12 43 12 48	3 3 3 15	6 16 6 12		11 49 11 58		20 22 20 19	0 29	22 27 22 28	0 3 0 3	14 11 14 10		22 19 22 19		16 33 16 33	6 35 6 35			22 56 22 55		4 48 4 49
T 23		20 48		12 46		6 8	6 52			20 15		22 29	0 3			22 19			6 35			22 54		1 49
F 24		22 28				6 6		12 15		20 12		22 29		14 8		22 19			6 35					1 50
S 25	16 54			13 21	3 39	6 5		12 24		20 9		22 30		14 7		22 19		16 34	6 35			22 53		1 50
S 26	16 37	22 47	0n44	13 38	3 43	6 5	7 27	12 33	1 45	20 6	0.29	22 31	0 3	14 6	0.42	22 20	0 45	16 34	6 35	23 8	23 1	22 53	18 3 4	1 51
M27		21 23		13 56		6 5		12 41		20 3		22 31		14 4		22 20						22 52		1 51
T 28	16 1	19 2	2 43	14 15	3 43	6 7	7 47	12 49		20 0		22 32	0 4	14 3	0 42	22 20	0 45	16 34	6 34			22 51		1 52
W29		15 50		14 35		6 10		12 57		19 57		22 32		14 2		22 20		16 34	6 34			22 51		1 52
T 30	-	11 54	-	14 55		6 14	8 3			19 53		22 33		14 1	-	22 20		16 34	6 34			22 50		1 53
F 31	15 s 5	7 s24	4n45	15 s 15	3n27	6s19	8n10	13 s13	1n45	19s50	0 s30	22n33	0n 4	14s 0	0 s42	22n20	0 s45	16n35	6s34	23 s 6	22 s59	22 s50	18s 2 4	4n53

Julian Day Number = 2238251.5, Delta T = 07m27s

Ecliptic obliquity = $23^{\circ}30'52$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°35'36, Lahiri = 15°42'37 Julian Calendar 1 Jan. 1416 == Greg. Calendar 10 Jan. 1416

FEBRUARY 1416 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	24	ħ)f(卉	В	n	Ω	Ç	ķ	Day
S 1	9 15 27	20≈16'51	11) (49	6°R15	21°R52	10 M 29	4≈ 5	16°R26	24≈45	10°R41	19°R45	19°R14	18 × 10	24 ৴ 47	17 × 721	S 1
S 2	9 19 23	21°17'23	24°48	5≈37	21≈15	10°54	4°19	16923	24°49	109540	19 Ⅱ 45	19 ×7 4	18° 7	24°54	17°25	S 2
M 3	9 23 20	22°17'54	7 Ƴ 59	5° 7	20°37	11°18	4°33	16°19	24°52	10°39	19°44	18°54	18° 4	25° 1	17°29	M 3
T 4	9 27 16	23°18'22	21°22	4°44	20° 0	11°42	4°47	16°16	24°56	10°38	19°44	18°48	18° 1	25° 7	17°33	T 4
W 5	9 31 13	24°18'49	4 8 56	4°29	19°24	12° 5	5° 0	16°12	24°59	10°37	19°43	18°44	17°58	25°14	17°37	W 5
T 6	9 35 9	25°19'14	18°41	4°21	18°48	12°28	5°14	16° 9	25° 2	10°36	19°43	18°42	17°54	25°21	17°41	T 6
F 7	9 39 6	26°19'37	2Ⅲ38	4°D20	18°13	12°51	5°28	16° 6	25° 6	10°35	19°43	18°D42	17°51	25°27	17°45	F 7
S 8	9 43 2	27°19'58	16°46	4°25	17°40	13°14	5°42	16° 3	25° 9	10°33	19°42	18°R42	17°48	25°34	17°49	S 8
S 9	9 46 59	28°20'17	195 6	4°37	17° 8	13°37	5°56	16° 0	25°13	10°32	19°42	18°42	17°45	25°41	17°52	S 9
M10	9 50 56	29°20'33	15°34	4°55	16°38	13°59	6° 9	15°57	25°16	10°31	19°42	18°39	17°42	25°47	17°56	M10
T 11	9 54 52	0) €20'48	0 N 6	5°18	16° 9	14°20	6°23	15°54	25°20	10°30	19°41	18°34	17°39	25°54	17°59	T 11
W12	9 58 49	1°21'01	14°38	5°47	15°43	14°42	6°37	15°51	25°23	10°29	19°41	18°26	17°35	26° 1	18° 3	W12
T 13	10 2 45	2°21'12	29° 3	6°20	15°18	15° 3	6°50	15°49	25°27	10°29	19°41	18°15	17°32	26° 7	18° 6	T 13
F 14	10 6 42	3°21'21	13 M p 14	6°57	14°56	15°24	7° 4	15°46	25°30	10°28	19°41	18° 4	17°29	26°14	18° 9	F 14
S 15	10 10 38	4°21'28	27° 5	7°39	14°36	15°44	7°17	15°44	25°33	10°27	19°40	17°52	17°26	26°20	18°13	S 15
S 16	10 14 35	5°21'33	10 ≏ 33	8°24	14°18	16° 4	7°31	15°41	25°37	10°26	19°40	17°41	17°23	26°27	18°16	S 16
M17	10 18 31	6°21'37	23°36	9°13	14° 3	16°24	7°44	15°39	25°40	10°25	19°40	17°32	17°19	26°34	18°19	M17
T 18	10 22 28	7°21'39	6 M .17	10° 6	13°51	16°43	7°57	15°37	25°44	10°24	19°40	17°26	17°16	26°40	18°21	T 18
W19	10 26 25	8°21'39	18°37	11° 1	13°41	17° 2	8°11	15°35	25°47	10°24	19°40	17°22	17°13	26°47	18°24	W19
T 20	10 30 21	9°21'38	0 ∡ 741	11°59	13°33	17°20	8°24	15°33	25°51	10°23	19°40	17°21	17°10	26°54	18°27	T 20
F 21	10 34 18	10°21'35	12°34	13° 0	13°28	17°38	8°37	15°31	25°54	10°22	19°39	17°21	17° 7	27° 0	18°30	F 21
S 22	10 38 14	11°21'31	24°22	14° 4	13°25	17°56	8°50	15°29	25°57	10°22	19°39	17°21	17° 4	27° 7	18°32	S 22
S 23	10 42 11	12°21'25	6 ਰ 10	15°10	13°D25	18°13	9° 3	15°28	26° 1	10°21	19°39	17°20	17° 0	27°14	18°35	S 23
M24	10 46 7	13°21'17	18° 4	16°18	13°27	18°30	9°16	15°26	26° 4	10°20	19°D39	17°17	16°57	27°20	18°37	M24
T 25	10 50 4	14°21'07	0≈ 7	17°28	13°32	18°47	9°29	15°25	26° 7	10°20	19°39	17°11	16°54	27°27	18°39	T 25
W26	10 54 0	15°20'55	12°25	18°41	13°39	19° 2	9°42	15°24	26°11	10°19	19°39	17° 2	16°51	27°34	18°42	W26
T 27	10 57 57	16°20'42	24°58	19°55	13°48	19°18	9°55	15°22	26°14	10°19	19°39	16°51	16°48	27°40	18°44	T 27
F 28	11 1 54	17°20'26	7){ 49	21°11	13°59	19°33	10° 8	15°21	26°17	10°18	19°40	16°38	16°45	27°47	18°46	F 28
S 29	11 5 50	18) (20'09	20) 56	22≈29	14≈12	19 M .47	10≈21	159520	26≈21	109518	19 Ⅱ 40	16 × ⁷ 25	16 ₹ 41	27 × 753	18 ×7 48	S 29

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S 1	14 s46	2 s31	5n 1	15 s34	3n18	6 s 2 5	8n17	13 s21	1n45	19 s47	0 s30	22n34	0n 4	13 s59	0 s42	22n20	0 s45	16n35	6s33	23 s 5	22 s59	22 s49	18s 2	4n54
S 2	14 27	2n33	5 2	15 53	3 8	6 32	8 22	13 29	1 45	19 44	0 30	22 35	0 4	13 57	0 42	22 20	0 45	16 35	6 33	23 4	22 59	22 48	18 2	4 55
M 3	14 7	,	,	16 11	2 57	6 39	8 26			19 41		22 35	0 4	13 56	-	22 21	0 45		6 33			22 48	-	4 55
T 4				16 28	2 46	6 47		13 44		19 37	0 30		0 4		-	22 21	0 45		6 33			22 47	-	4 56
W 5				16 43	2 34	6 56		13 51		19 34		22 36		13 54		22 21			6 33			22 47		4 56
T 6				16 57	2 21	7 5		13 58	1 45			22 37		13 53		22 21	0 45		6 33			22 46		4 57
F 7	12 47	22 8	1 25	17 10	2 8	7 15	8 34	14 5		19 28		22 37		13 52	-	22 21	0 45	16 36	6 32			22 45	-	4 57
S 8	12 26	23 2	0 10	17 21	1 55	7 26	8 33	14 12	1 44	19 24	0 31	22 38	0 5	13 50	0 42	22 21	0 45	16 36	6 32	23 2	22 57	22 45	18 1	4 58
S 9	12 5	22 25	1 s 5	17 31	1 42	7 36	8 32	14 19	1 44	19 21	0 31	22 38	0 5	13 49	0 42	22 21	0 45	16 36	6 32	23 2	22 57	22 44	18 0	4 58
M10	11 44	20 20	2 18	17 39	1 29	7 47	8 30	14 26	1 44	19 18	0 31	22 38	0 5	13 48	0 42	22 21	0 45	16 36	6 32	23 2	22 57	22 43	18 0	4 59
T 11	11 23	16 55	3 21	17 46	1 16	7 59	8 27	14 32	1 44	19 14	0 31	22 39	0 5	13 47	0 42	22 22	0 44	16 36	6 32	23 1	22 56	22 43	18 0	5 0
W12	11 2	12 29	4 11	17 51	1 4	8 10	8 23	14 39	1 44	19 11	0 31	22 39	0 5	13 46	0 42	22 22	0 44	16 36	6 31	23 1	22 56	22 42	17 59	5 0
T 13	10 40	7 23	4 45	17 55	0 51	8 21	8 18	14 45	1 43	19 8	0 32	22 40	0 5	13 45	0 42	22 22	0 44	16 37	6 31	23 0	22 56	22 41	17 59	5 1
F 14	10 18	1 59	5 0	17 57	0 39	8 33	8 13	14 51	1 43	19 5	0 32	22 40	0 5	13 43	0 42	22 22	0 44	16 37	6 31	22 59	22 55	22 41	17 59	5 1
S 15	9 57	3 s23	4 58	17 58	0 28	8 44	8 7	14 58	1 43	19 1	0 32	22 41	0 5	13 42	0 42	22 22	0 44	16 37	6 31	22 58	22 55	22 40	17 59	5 2
S 16	9 35	8 27	4 38	17 58	0 16	8 55	8 0	15 4	1 43	18 58	0 32	22 41	0 6	13 41	0 42	22 22	0 44	16 37	6 31	22 57	22 55	22 39	17 58	5 3
M17	9 12	12 59	4 4	17 55	0 5	9 6	7 53	15 9	1 42	18 55	0 32	22 41	0 6	13 40	0 42	22 22	0 44	16 37	6 30	22 56	22 55	22 39	17 58	5 3
T 18	8 50	16 47	3 19	17 52	0s 6	9 17	7 45	15 15	1 42	18 51	0 32	22 42	0 6	13 39	0 42	22 22	0 44	16 38	6 30	22 55	22 54	22 38	17 57	5 4
W19	8 28	19 45	2 26	17 47	0 16	9 28	7 37	15 21	1 42	18 48	0 32	22 42	0 6	13 38	0 42	22 22	0 44	16 38	6 30	22 55	22 54	22 37	17 57	5 4
T 20	8 5	21 47	1 27	17 40	0 26	9 38	7 29	15 26	1 41	18 45	0 32	22 42	0 6	13 37	0 42	22 22	0 44	16 38	6 30	22 55	22 54	22 36	17 57	5 5
F 21	7 42	22 48	0 25	17 32	0 36	9 48	7 20	15 32	1 41	18 41	0 33	22 43	0 6	13 35	0 42	22 22	0 44	16 38	6 30	22 55	22 53	22 36	17 56	5 6
S 22	7 20	22 47	0n37	17 23	0 45	9 57	7 11	15 37	1 41	18 38	0 33	22 43	0 6	13 34	0 42	22 23	0 44	16 38	6 29	22 55	22 53	22 35	17 56	5 6
S 23	6 57	21 44	1 38	17 12	0 54	10 6	7 2	15 42	1 40	18 35	0 33	22 43	0 6	13 33	0 42	22 23	0 44	16 38	6 29	22 55	22 53	22 34	17 55	5 7
M24	6 34	19 44	2 35	16 59	1 2	10 15	6 52	15 47	1 40	18 31	0 33	22 43	0 6	13 32	0 42	22 23	0 44	16 39	6 29	22 54	22 52	22 33	17 55	5 8
T 25	6 11	16 50	3 26	16 46	1 10	10 23	6 42	15 52	1 39	18 28	0 33	22 44	0 6	13 31	0 42	22 23	0 44	16 39	6 29	22 54	22 52	22 33	17 55	5 8
W26	5 48	13 10	4 8	16 30	1 18	10 31	6 32	15 57	1 39	18 25	0 33	22 44	0 7	13 30	0 42	22 23	0 44	16 39	6 29	22 53	22 52	22 32	17 54	5 9
T 27	5 24	8 51	4 39	16 14	1 25	10 38	6 22	16 2	1 39	18 21	0 33	22 44	0 7	13 29	0 42	22 23	0 44	16 39	6 28	22 52	22 51	22 31	17 54	5 9
F 28	5 1	4 5	4 57	15 56	1 32	10 45	6 12	16 6	1 38	18 18	0 34	22 44	0 7	13 28	0 42	22 23	0 44	16 39	6 28	22 50	22 51	22 31	17 53	5 10
S 29	4 s38	0n59	4n59	$15\mathrm{s}36$	1 s38	10s51	6n 1	16 s10	1n37	18s15	0 s34	22n45	0n 7	13 s26	0 s43	22n23	0 s44	16n40	6 s 2 8	22 s49	22 s51	22 s30	17 s53	5n11

Julian Day Number = 2238282.5, Delta T = 07m27s

Ecliptic obliquity = $23^{\circ}30'53$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°35'41, Lahiri = 15°42'41 Julian Calendar 1 Feb. 1416 == Greg. Calendar 10 Feb. 1416

MARCH 1416 JC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ð	4	ħ)ұ(并	В	R	Ω	Ç	ķ	Day
S 1	11 9 47	19 ¥ 19'49	4 Υ19	23≈48	14≈28	20 M 1	10≈33	15°R19	26≈24	10°R17	19 Ⅱ 40	16°R12	16 × 738	28 🕶 0	18 ×7 49	S 1
M 2	11 13 43	20°19'27	17°54	25°10	14°45	20°15	10°46	159519	26°27	109517	19°40	16 7 1	16°35	28° 7	18°51	M 2
T 3	11 17 40	21°19'04	1840	26°32	15° 5	20°27	10°59	15°18	26°30	10°17	19°40	15°53	16°32	28°13	18°53	T 3
W 4	11 21 36	22°18'38	15°32	27°57	15°26	20°40	11°11	15°18	26°33	10°16	19°40	15°47	16°29	28°20	18°54	W 4
T 5	11 25 33	23°18'09	29°30	29°23	15°49	20°52	11°23	15°17	26°37	10°16	19°41	15°45	16°25	28°27	18°56	T 5
F 6	11 29 29	24°17'39	13耳32	0) 50	16°13	21° 3	11°36	15°17	26°40	10°16	19°41	15°D44	16°22	28°33	18°57	F 6
S 7	11 33 26	25°17'06	27°37	2°19	16°40	21°14	11°48	15°17	26°43	10°16	19°41	15°R44	16°19	28°40	18°59	S 7
S 8	11 37 23	26°16'31	119544	3°49	17° 8	21°24	12° 0	15°D17	26°46	10°15	19°41	15°44	16°16	28°47	19° 0	S 8
M 9	11 41 19	27°15'53	25°53	5°21	17°37	21°33	12°12	15°17	26°49	10°15	19°42	15°41	16°13	28°53	19° 1	M 9
T 10	11 45 16	28°15'13	10 N 1	6°54	18° 8	21°42	12°24	15°17	26°52	10°15	19°42	15°36	16°10	29° 0	19° 2	T 10
W11	11 49 12	29°14'31	24° 6	8°28	18°41	21°51	12°36	15°17	26°55	10°15	19°42	15°28	16° 6	29° 7	19° 3	W11
T 12	11 53 9	0 Ƴ 13'46	8Mp 3	10° 4	19°15	21°59	12°48	15°17	26°58	10°15	19°43	15°18	16° 3	29°13	19° 3	T 12
F 13	11 57 5	1°12'59	21°50	11°42	19°50	22° 6	13° 0	15°18	27° 1	10°D15	19°43	15° 6	16° 0	29°20	19° 4	F 13
S 14	12 1 2	2°12'10	5 ₾ 22	13°20	20°26	22°12	13°12	15°18	27° 4	10°15	19°43	14°54	15°57	29°27	19° 5	S 14
S 15	12 4 58	3°11'19	18°36	15° 1	21° 4	22°18	13°23	15°19	27° 7	10°15	19°44	14°43	15°54	29°33	19° 5	S 15
M16	12 8 55	4°10'25	1 M .31	16°42	21°43	22°23	13°35	15°20	27°10	10°15	19°44	14°34	15°51	29°40	19° 6	M16
T 17	12 12 51	5° 9'30	14° 6	18°25	22°23	22°28	13°46	15°21	27°13	10°15	19°45	14°28	15°47	29°46	19° 6	T 17
W18	12 16 48	6° 8'34	26°24	20° 9	23° 4	22°32	13°57	15°22	27°16	10°16	19°45	14°24	15°44	29°53	19° 6	W18
T 19	12 20 45	7° 7'35	8 ₹ 28	21°55	23°46	22°35	14° 9	15°23	27°19	10°16	19°46	14°22	15°41	29°59	19° 6	T 19
F 20	12 24 41	8° 6'34	2 <u>0</u> °22	23°43	24°29	22°37	14°20	15°24	27°22	10°16	19°46	14°D22	15°38	0중 6	19°R 6	F 20
S 21	12 28 38	9° 5'32	2 ਰ 11	25°31	25°14	22°39	14°31	15°26	27°25	10°16	19°47	14°23	15°35	0°13	19° 6	S 21
S 22	12 32 34	10° 4'28	14° 1	27°22	25°59	22°40	14°42	15°27	27°27	10°17	19°48	14°R23	15°31	0°20	19° 6	S 22
M23	12 36 31	11° 3'22	25°56	29°13	26°45	22°R41	14°53	15°29	27°30	10°17	19°48	14°22	15°28	0°26	19° 6	M23
T 24	12 40 27	12° 2'15	8≈ 2	1 Υ 6	27°31	22°40	15° 4	15°30	27°33	10°17	19°49	14°18	15°25	0°33	19° 6	T 24
W25	12 44 24	13° 1'05	20°23	3° 1	28°19	22°39	15°14	15°32	27°35	10°18	19°49	14°13	15°22	0°40	19° 5	W25
T 26	12 48 20	13°59'54	3) € 3	4°57	29° 8	22°37	15°25	15°34	27°38	10°18	19°50	14° 5	15°19	0°46	19° 5	T 26
F 27	12 52 17	14°58'40	16° 5	6°55	29°57	22°34	15°35	15°36	27°41	10°19	19°51	13°56	15°16	0°53	19° 4	F 27
S 28	12 56 14	15°57'25	29°28	8°54	0) €47	22°31	15°46	15°38	27°43	10°19	19°52	13°46	15°12	1° 0	19° 4	S 28
S 29	13 0 10	16°56'08	13 Y 10	10°54	1°37	22°26	15°56	15°40	27°46	10°20	19°52	13°36	15° 9	1° 6	19° 3	S 29
M30	13 4 7	17°54'50	27°10	12°56	2°29	22°21	16° 6	15°43	27°48	10°20	19°53	13°28	15° 6	1°13	19° 2	M30
T 31	13 8 3	18 Y 53'29	11821	14 Y 59	3 ∺ 21	22 M 16	16 ≈ 16	159945	27≈51	10921	19 ∏ 54	13 × 22	15 ⋌ 3	1 る 20	19 × 7 1	T 31

Da	y O	D		ğ	5	9	2	ď	1	2	+	ħ	l)į	(Ä	7	Р)	R	Ω	Ç	8 K	
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S	1 4s14	6n 5	4n46	15 s 16	1 s44	10s56	5n51	16s15	1n37	18s11	0 s34	22n45	0n 7	13 s25	0 s43	22n23	0 s44	16n40	6 s 2 8	22 s48	22 s50	22 s29	17s52	5n11
M	2 3 51	10 59	4 16	14 54	1 49	11 1	5 41	16 19	1 36	18 8	0 34	22 45	0 7	13 24	0 43	22 23	0 44	16 40	6 28	22 47	22 50	22 28	17 52	5 12
T	3 3 27	15 23	3 30	14 30	1 55	11 6	5 30	16 23	1 36	18 5	0 34	22 45	0 7	13 23	0 43	22 23	0 44	16 40	6 28	22 46	22 50	22 27	17 51	5 13
W	4 3 4	18 58	2 32	14 5	1 59	11 10	5 20	16 27	1 35	18 1	0 34	22 45	0 7	13 22	0 43	22 23	0 44	16 40	6 27	22 45	22 50	22 27	17 51	5 13
T	5 2 40	21 29	1 25	13 39	2 3	11 13	5 9	16 31	1 34	17 58	0 34	22 45	0 7	13 21	0 43	22 23	0 44	16 41	6 27	22 45	22 49	22 26	17 50	5 14
F	6 2 16	22 41	0 12	13 12	2 7	11 16	4 59	16 34	1 34	17 55	0 35	22 45	0 7	13 20	0 43	22 23	0 44	16 41	6 27	22 45	22 49	22 25	17 50	5 15
S	7 1 53	22 27	1 s 3	12 43	2 10	11 18	4 49	16 38	1 33	17 52	0 35	22 46	0 7	13 19	0 43	22 23	0 44	16 41	6 27	22 45	22 49	22 24	17 49	5 15
S	8 1 29	20 47	2 13	12 12	2 13	11 20	4 38	16 41	1 32	17 48	0 35	22 46	0 8	13 18	0 43	22 24	0 44	16 41	6 27	22 45	22 48	22 23	17 49	5 16
M	9 1 5	17 50	3 15	11 41	2 16	11 21	4 28	16 44	1 31	17 45	0 35	22 46	0 8	13 17	0 43	22 24	0 44	16 42	6 26	22 45	22 48	22 23	17 48	5 16
T 1	0 0 42	13 51	4 6	11 8	2 18	11 21	4 18	16 47	1 31	17 42	0 35	22 46	0 8	13 16	0 43	22 24	0 44	16 42	6 26	22 44	22 48	22 22	17 48	5 17
W1	1 0 18	9 7	4 41	10 34	2 19	11 21	4 8	16 50	1 30	17 39	0 35	22 46	0 8	13 15	0 43	22 24	0 44	16 42	6 26	22 43	22 47	22 21	17 47	5 18
T 1	2 0n 5	3 57	4 59	9 59	2 20	11 20	3 58	16 53	1 29	17 35	0 36	22 46	0 8	13 14	0 43	22 24	0 43	16 42	6 26	22 42	22 47	22 20	17 46	5 18
F 1		1 s20	4 59	9 22	2 21	11 18	3 48	16 56	1 28	17 32	0 36	22 46	0 8	13 13	0 43	22 24	0 43	16 42	6 26	22 41	22 47	22 19	17 46	5 19
S 1	4 0 53	6 28	4 43	8 44	2 21	11 16	3 38	16 59	1 27	17 29	0 36	22 46	0 8	13 12	0 43	22 24	0 43	16 43	6 25	22 39	22 46	22 19	17 45	5 20
S 1	5 1 16	11 11	4 11	8 5	2 21	11 14	3 29	17 1	1 26	17 26	0 36	22 46	0 8	13 11	0 43	22 24	0 43	16 43	6 25	22 38	22 46	22 18	17 45	5 20
M1	6 1 40	15 16	3 27	7 24	2 20	11 10	3 19	17 3	1 25	17 23	0 36	22 46	0 8	13 10	0 43	22 24	0 43	16 43	6 25	22 37	22 46	22 17	17 44	5 21
T 1	7 2 3	18 34	2 34	6 43	2 18	11 6	3 10	17 6	1 24	17 20	0 36	22 46	0 8	13 9	0 43	22 24	0 43	16 43	6 25	22 36	22 45	22 16	17 43	5 22
W1	8 2 27	20 56	1 34	6 0	2 16	11 2	3 0	17 8	1 23	17 16	0 37	22 46	0 8	13 8	0 43	22 24	0 43	16 44	6 25	22 36	22 45	22 15	17 43	5 22
T 1	9 2 50	22 18	0 31	5 16	2 14	10 57	2 51	17 9	1 22	17 13	0 37	22 46	0 8	13 7	0 43	22 24	0 43	16 44	6 24	22 36	22 45	22 14	17 42	5 23
F 2	0 3 14	22 38	0n32	4 31	2 11	10 51	2 42	17 11	1 20	17 10	0 37	22 46	0 9	13 6	0 43	22 24	0 43	16 44	6 24	22 36	22 44	22 13	17 41	5 24
S 2	1 3 37	21 56	1 34	3 44	2 8	10 45	2 33	17 13	1 19	17 7	0 37	22 46	0 9	13 5	0 43	22 24	0 43	16 44	6 24	22 36	22 44	22 13	17 41	5 24
S 2	2 4 0	20 16	2 31	2 57	2 4	10 38	2 24	17 14	1 18	17 4	0 37	22 46	0 9	13 4	0 43	22 24	0 43	16 44	6 24	22 36	22 44	22 12	17 40	5 25
M2	3 4 23	17 42	3 23	2 8	2 0	10 31	2 16	17 16	1 17	17 1	0 38	22 46	0 9	13 3	0 43	22 24	0 43	16 45	6 24	22 36	22 43	22 11	17 40	5 25
T 2	4 4 46	14 21	4 6	1 19	1 55	10 23	2 7	17 17	1 15	16 58	0 38	22 45	0 9	13 2	0 43	22 24	0 43	16 45	6 23	22 35	22 43	22 10	17 39	5 26
W2	5 5 9	10 19	4 39	0 28	1 49	10 14	1 59	17 18	1 14	16 55	0 38	22 45	0 9	13 1	0 43	22 24	0 43	16 45	6 23	22 35	22 42	22 9	17 38	5 27
T 2	6 5 32	5 46	4 59	0n24	1 43	10 5	1 50	17 19	1 12	16 52	0 38	22 45	0 9	13 0	0 43	22 24	0 43	16 45	6 23	22 34	22 42	22 8	17 38	5 27
F 2	7 5 55	0 50	5 5	1 16	1 37	9 56	1 42	17 20	1 11	16 49	0 38	22 45	0 9	12 59	0 43	22 24	0 43	16 46	6 23	22 33	22 42	22 7	17 37	5 28
S 2	8 6 18	4n16	4 54	2 10	1 30	9 46	1 34	17 20	1 9	16 46	0 38	22 45	0 9	12 59	0 43	22 24	0 43	16 46	6 23	22 31	22 41	22 6	17 36	5 29
S 2	9 6 40	9 17	4 26	3 4	1 22	9 35	1 26	17 21	1 8	16 44	0 39	22 45	0 9	12 58	0 43	22 24	0 43	16 46	6 23	22 30	22 41	22 6	17 35	5 29
M3	0 7 3	13 56	3 41	3 59	1 15	9 24	1 19	17 21	1 6	16 41	0 39	22 45	0 9	12 57	0 43	22 24	0 43	16 46	6 22	22 29	22 41	22 5	17 35	5 30
T 3	1 7n25	17n52	2n43	4n54	1s 6	9s13	1n11	17 s21	1n 4	16s38	0 s39	22n44	0n 9	12 s56	0 s43	22n24	0 s43	16n47	6 s 2 2	22 s28	22 s40	22 s 4	17s34	5n31

Julian Day Number = 2238311.5, Delta T = 07m27s

Ecliptic obliquity = $23^{\circ}30'53$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°35'45, Lahiri = 15°42'45 Julian Calendar 1 March 1416 == Greg. Calendar 10 March 1416

APRIL 1416 JC 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
W 1	13 12 0	19 Y 52'06	25 8 39	17 ° 3	4) 13	22°R 9	16≈26	159548	27≈53	10921	19耳55	13°R18	15 ×7 0	1 3 26	19°R 0	W 1
T 2	13 15 56	20°50'41	10耳 0	19° 9	5° 6	22M 2	16°36	15°50	27°56	10°22	19°55	13°D17	14°56	1°33	18 × 759	T 2
F 3	13 19 53	21°49'14	24°19	21°15	6° 0	21°54	16°46	15°53	27°58	10°23	19°56	13 × 17	14°53	1°40	18°57	F 3
S 4	13 23 49	22°47'44	8934	23°22	6°54	21°45	16°55	15°56	28° 0	10°24	19°57	13°18	14°50	1°46	18°56	S 4
S 5	13 27 46	23°46'13	22°43	25°30	7°49	21°35	17° 5	15°59	28° 3	10°24	19°58	13°R19	14°47	1°53	18°55	S 5
M 6	13 31 43	24°44'39	6 Ω 44	27°38	8°44	21°25	17°14	16° 2	28° 5	10°25	19°59	13°18	14°44	1°59	18°53	M 6
T 7	13 35 39	25°43'03	20°37	29°46	9°40	21°14	17°23	16° 5	28° 7	10°26	20° 0	13°15	14°41	2° 6	18°52	T 7
W 8	13 39 36	26°41'24	4 Mp 20	1 8 55	10°36	21° 2	17°32	16° 8	28° 9	10°27	20° 1	13°11	14°37	2°13	18°50	W 8
T 9	13 43 32	27°39'44	17°53	4° 2	11°33	20°50	17°41	16°11	28°12	10°28	20° 2	13° 5	14°34	2°19	18°48	T 9
F 10	13 47 29	28°38'01	1 ≏ 13	6°10	12°30	20°36	17°50	16°15	28°14	10°29	20° 2	12°57	14°31	2°26	18°46	F 10
S 11	13 51 25	29°36'17	14°21	8°16	13°28	20°23	17°59	16°18	28°16	10°30	20° 3	12°50	14°28	2°33	18°45	S 11
S 12	13 55 22	0 8 34'31	27°14	10°21	14°26	20° 8	18° 7	16°22	28°18	10°30	20° 4	12°43	14°25	2°39	18°43	S 12
M13	13 59 18	1°32'43	9 ™ 52	12°24	15°24	19°53	18°16	16°25	28°20	10°31	20° 5	12°37	14°22	2°46	18°40	M13
T 14	14 3 15	2°30'53	22°16	14°26	16°23	19°37	18°24	16°29	28°22	10°33	20° 6	12°33	14°18	2°53	18°38	T 14
W15	14 7 11	3°29'02	4 ₹ 27	16°25	17°22	19°21	18°32	16°33	28°24	10°34	20° 7	12°31	14°15	2°59	18°36	W15
T 16	14 11 8	4°27'09	16°27	18°22	18°22	19° 4	18°40	16°37	28°25	10°35	20° 9	12°D31	14°12	3° 6	18°34	T 16
F 17	14 15 5	5°25'14	28°20	20°16	19°22	18°46	18°48	16°41	28°27	10°36	20°10	12°32	14° 9	3°13	18°31	F 17
S 18	14 19 1	6°23'18	10중 9	22° 8	20°22	18°28	18°56	16°45	28°29	10°37	20°11	12°34	14° 6	3°19	18°29	S 18
S 19	14 22 58	7°21'21	21°58	23°56	21°23	18° 9	19° 4	16°49	28°31	10°38	20°12	12°35	14° 2	3°26	18°26	S 19
M20	14 26 54	8°19'22	3≈54	25°41	22°23	17°50	19°11	16°54	28°32	10°39	20°13	12°R36	13°59	3°33	18°24	M20
T 21	14 30 51	9°17'22	16° 0	27°23	23°25	17°31	19°18	16°58	28°34	10°41	20°14	12°36	13°56	3°39	18°21	T 21
W22	14 34 47	10°15'20	28°21	29° 2	24°26	17°11	19°26	17° 3	28°36	10°42	20°15	12°35	13°53	3°46	18°19	W22
T 23	14 38 44	11°13'17	11 米 2	0耳37	25°28	16°51	19°33	17° 7	28°37	10°43	20°16	12°32	13°50	3°53	18°16	T 23
F 24	14 42 40	12°11'12	24° 6	2° 8	26°30	16°30	19°40	17°12	28°39	10°44	20°17	12°28	13°47	3°59	18°13	F 24
S 25	14 46 37	13° 9'07	7 Ƴ 35	3°36	27°32	16°10	19°46	17°16	28°40	10°46	20°19	12°24	13°43	4° 6	18°10	S 25
S 26	14 50 34	14° 7'00	21°28	5° 0	28°35	15°49	19°53	17°21	28°42	10°47	20°20	12°19	13°40	4°13	18° 7	S 26
M27	14 54 30	15° 4'51	5 8 43	6°20	29°38	15°27	19°59	17°26	28°43	10°49	20°21	12°16	13°37	4°19	18° 4	M27
T 28	14 58 27	16° 2'42	20°14	7°36	0 Υ 41	15° 6	20° 6	17°31	28°44	10°50	20°22	12°13	13°34	4°26	18° 1	T 28
W29	15 2 23	17° 0'30	4 Ⅱ 57	8°49	1°44	14°44	20°12	17°36	28°46	10°51	20°23	12°D12	13°31	<u>4</u> °33	17°58	W29
T 30	15 6 20	17 8 58'18	19 Ⅱ 43	9 Ⅱ 57	2 Υ 48	14 M 23	20≈18	179541	28 ≈ 47	10953	20 Ⅱ 25	12 × 12	13 × 28	4 る 39	17 ×7 54	T 30

Day	0	J)	ğ	i	ρ		C	3	2	+	ħ	l.);	β (,	(Е	2	n	U	Ç	ď	5
	decl	decl l	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1		20n45	1n33		0s57	9s 0		17 s21		16s35		22n44		12 s55		22n24		16n47					17 s33	
T 2 F 3		22 19 22 24	0 18 0s59	6 47 7 43	0 48	8 48 8 35			1 1	16 32 16 30	0 39 0 40			12 54 12 54		22 24 22 24	0 43 0 43				22 40 22 39		17 33 17 32	5 32 5 32
S 4	8 54		2 12	8 40	0 29	8 21		17 21		16 27		22 43		12 53		22 24	0 43				22 39		17 31	5 33
S 5	9 15	18 22	3 16	9 36	0 18	8 7	0 35	17 20	0 55	16 24	0 40	22 43	0 10	12 52	0 43	22 24	0 43	16 48	6 21	22 28	22 39	21 59	17 31	5 34
M 6	9 37	14 39	4 8	10 32	0 8	7 53			0 53	16 21	0 40	22 43	0 10	12 51	0 43	22 24	0 43	16 48				21 58		5 34
T 7	9 58		-	11 28	0n 3	7 38			0 51	16 19		22 43		12 51		22 24	0 43					21 57		5 35
W 8 T 9	10 19 10 40			12 23 13 17	0 13 0 24	7 23 7 7		17 17 17 16	0 49	16 16 16 14	0 41	22 42 22 42		12 50 12 49		22 24 22 24	0 43 0 42	16 48 16 49				21 56 21 55		5 35 5 36
F 10	11 1	4s58	-	14 10	0 35	6 51			0 44	16 11		22 42		12 48		22 24	0 42					21 54		5 36
S 11	11 22	9 43	4 23	15 2	0 46	6 34	0s 3	17 14	0 42	16 9	0 41	22 41	0 10	12 48	0 44	22 24	0 42	16 49	6 20	22 24	22 36	21 53	17 26	5 37
S 12	11 43		-	15 51	0 56	6 17		17 12			-	22 41		12 47		22 24						21 52		5 38
M13 T 14	12 3			16 40	1 6	6 0			0 37	-	0 42			12 46		22 24	0 42					21 51		5 38
W15	12 23 12 43		-	17 26 18 10	1 16 1 26	5 42 5 24	0 20 0 26	17 8 17 6	0 35 0 32		0 42 0 42		0 11 0 11	-		22 23 22 23	0 42 0 42	16 50 16 50				21 50 21 49		5 39
T 16	13 3		-	18 52	1 35	5 6	0 31	17 4		15 57	0 42		0 11			22 23	0 42	16 50				21 48		5 40
F 17	-	22 5		19 32	1 43	4 47						22 39		12 44		22 23	0 42					21 47		5 40
S 18	13 42	20 43	2 25	20 9	1 51	4 28	0 41	16 59	0 24	15 52	0 43	22 38	0 11	12 43	0 44	22 23	0 42	16 51	6 19	22 22	22 34	21 46	17 21	5 41
S 19	14 1	18 27	-	20 44	1 58	4 8		16 57		15 50		22 38		12 43		22 23		16 51				21 45		5 41
M20 T 21	14 19 14 38		-	21 16 21 46	2 5 2 11	3 49 3 29		16 54 16 51	-	15 48 15 46		22 37 22 37	0 11 0 11			22 23 22 23	0 42 0 42	16 51 16 51				21 44 21 43		5 42 5 42
W22	14 56		-	22 13	2 16	3 8				15 44		22 37	0 11			22 23	0 42	16 52				21 42		5 43
T 23	15 15	2 37	5 13	22 37	2 20	2 48	1 4	16 45	0 11	15 42	0 44	22 36	0 11	12 41	0 44	22 23	0 42	16 52	6 19	22 22	22 32	21 41	17 17	5 43
F 24	15 32		-	23 0	2 23	2 27					0 44					22 23	0 42					21 40		5 44
S 25	15 50		4 44		2 26	2 6		16 39	0 5			22 35	0 11	12 40	0 44	22 23	0 42	16 52				21 39		5 44
S 26	16 8		-	23 37	2 28	1 44		16 35	-			22 34		12 39		22 23	0 42				-		17 15	-
M27 T 28		16 24 19 45	3 7 1 58	23 52 24 5	2 29 2 28	1 23 1 1	1 21 1 24	16 32 16 29	0s 1 0 4	15 34 15 33	0 45	22 34 22 33		12 39 12 38		22 23 22 22	0 42 0 42					21 37	17 15 17 14	5 45 5 46
W29		21 50		24 16	2 27	0 39	1 28			15 31		22 33		12 38		22 22	0 42						17 13	
T 30	17n14	22n26	0 s41	24n25	2n26	0s17	1 s31	16 s22		15 s29	0 s46	22n32	0n12	12 s37	0 s44	22n22	0 s42	16n53					17s12	

Julian Day Number = 2238342.5, Delta T = 07m27s

Ecliptic obliquity = 23°30'52, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°35'49, Lahiri = 15°42'49 Julian Calendar 1 Apr. 1416 == Greg. Calendar 10 Apr. 1416

MAY 1416 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(朴	В	₽.	Ω	Ç	, k	Day
F 1	15 10 16	18856'04	49526	11 II 2	3 Υ 51	14°R 2	20≈24	179546	28≈48	10954	20 II 26	12 × 13	13 × 24	4 ⋜ 46	17°R51	F 1
S 2	15 14 13	19°53'48	19° 0	12° 2	4°55	13 M .40	20°29	17°52	28°49	10°56	20°27	12°14	13°21	4°52	17 ∡ 748	S 2
$ _{S}$ 3	15 18 10	20°51'30	3Ω21	12°58	5°59	13°19	20°35	17°57	28°50	10°58	20°28	12°15	13°18	4°59	17°44	S 3
M 4	15 22 6	20°31'30 21°49'11	17°27	13°50	7° 4	12°58	20°40	18° 2	28°52	10°59	20°30	12°R16	13°15	5° 6	17°41	M 4
T 5	15 26 3	22°46'50	1 m 16	13°30 14°37	8° 8	12°37	20°45	18° 8	28°53	10 39 11° 1	20°31	12°16	13°12	5°12	17°37	T 5
W 6	15 29 59	23°44'27	14°48	15°21	9°13	12°16	20°50	18°13	28°53	11° 2	20°32	12°15	13° 8	5°19	17°34	W 6
T 7	15 33 56	24°42'03	28° 3	15°59	10°18	11°56	20°55	18°19	28°54	11° 4	20°34	12°13	13° 5	5°26	17°30	T 7
F 8	15 37 52	25°39'38	11 ♀ 4	16°34	11°23	11°35	21° 0	18°25	28°55	11° 6	20°35	12°11	13° 2	5°32	17°27	F 8
S 9	15 41 49	26°37'11	23°49	17° 3	12°28	11°16	21° 4	18°30	28°56	11° 7	20°36	12° 9	12°59	5°39	17°23	S 9
S 10	15 45 45	27°34'43	6M22	17°29 17°49	13°34	10°56	21° 9	18°36	28°57	11° 9	20°38	12° 7	12°56	5°46	17°19	S 10
M11	15 49 42	28°32'13	18°43 0 × 753	1/°49 18° 5	14°39	10°38	21°13	18°42	28°58	11°11	20°39	12° 5	12°53	5°52	17°16	M11
T 12 W13	15 53 38 15 57 35	29°29'43 0 II 27'11	12°55	18° 5 18°16	15°45 16°51	10°19 10° 1	21°17 21°20	18°48 18°54	28°58 28°59	11°12 11°14	20°40 20°42	12° 4 12°D 4	12°49 12°46	5°59 6° 6	17°12 17° 8	T 12 W13
T 14	16 1 32	1°24'38	24°49	18°16	10°51	9°44	21°24	18°54 19° 0	28°59	11°14	20°42 20°43	12°D 4	12°46 12°43	6°12	17° 8	T 14
F 15	16 1 32	2°22'05	6 국 39	18°R24	1/ 3/ 19° 3	9°27	21°27	19 0 19° 6	28 39 29° 0	11°18	20°43	12° 5	12°40	6°19	17° 0	F 15
S 16	16 9 25	3°19'30	18°28	18°21	20°10	9°11	21°31	19°12	29° 1	11°20	20°46	12° 6	12°37	6°26	16°56	S 16
				-												
S 17	16 13 21	4°16'55	0≈18	18°14	21°16	8°55	21°34	19°18	29° 1	11°21	20°47	12° 7	12°33	6°32	16°53	S 17
M18	16 17 18	5°14'19	12°14	18° 3	22°23	8°40	21°37	19°25	29° 1	11°23	20°48	12° 7	12°30	6°39	16°49	M18
T 19	16 21 14	6°11'43	24°20	17°47	23°30	8°26	21°39	19°31	29° 2	11°25	20°50	12° 8	12°27	6°46	16°45	T 19
W20	16 25 11	7° 9'05	6) (40	17°28	24°37	8°13	21°42	19°37	29° 2	11°27	20°51	12°R 8	12°24	6°52	16°41	W20
T 21	16 29 7	8° 6'27	19°19	17° 6	25°44	8° 0	21°44	19°44	29° 2	11°29	20°53	12° 8	12°21	6°59	16°37	T 21
F 22	16 33 4	9° 3'49	2 Υ 19	16°40	26°51	7°48	21°46	19°50	29° 2	11°31	20°54	12° 8	12°18	7° 6	16°33	F 22
S 23	16 37 1	10° 1'10	15°45	16°12	27°58	7°36	21°48	19°57	29° 3	11°33	20°55	12° 7	12°14	7°12	16°29	S 23
S 24	16 40 57	10°58'30	29°38	15°41	29° 6	7°26	21°50	20° 3	29° 3	11°35	20°57	12° 7	12°11	7°19	16°24	S 24
M25	16 44 54	11°55'50	13 8 55	15° 9	0 8 13	7°16	21°52	20°10	29°R 3	11°37	20°58	12°D 7	12° 8	7°26	16°20	M25
T 26	16 48 50	12°53'10	28°35	14°36	1°21	7° 7	21°53	20°17	29° 3	11°39	21° 0	12° 7	12° 5	7°32	16°16	T 26
W27	16 52 47	13°50'29	13 Ⅲ 31	14° 2	2°29	6°59	21°54	20°24	29° 3	11°41	21° 1	12°R 7	12° 2	7°39	16°12	W27
T 28	16 56 43	14°47'47	28°35	13°29	3°36	6°52	21°55	20°30	29° 3	11°43	21° 3	12° 7	11°59	7°46	16° 8	T 28
F 29	17 0 40	15°45'05	13939	12°55	4°44	6°45	21°56	20°37	29° 2	11°45	21° 4	12° 7	11°55	7°52	16° 4	F 29
S 30	17 4 37	16°42'22	28°34	12°24	5°53	6°40	21°57	20°44	29° 2	11°47	21° 6	12° 6	11°52	7°59	16° 0	S 30
S 31	17 8 33	17 Ⅲ 39'38	13 Ω 13	11 II 53	7 と 1	6 M .35	21≈57	20951	29≈ 2	119549	21 I 7	12 ×7 6	11 ~ 149	8 පි 6	15 ₹ 56	S 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	l decl	decl lat
F 1 S 2	17n30 17 46		24n31 2n23 24 36 2 19						22n22 0 s42 22 22 0 42		22 s20 22 s2 22 20 22 2		
S 3 M 4 T 5 W 6 T 7 F 8 S 9	18 2 18 17 18 31 18 46 19 0 19 14	11 6 4 47 6 14 5 10 1 9 5 15 3 s 5 2 5 4 8 3 8 4 3 7	24 39 2 2 24 36 1 54 24 32 1 46 24 26 1 37	1 14 1 44 1 1 37 1 46 1 2 0 1 49 1 2 23 1 51 1 2 46 1 54 1	6 7 0 22 6 4 0 25 6 0 0 27 15 57 0 30 15 53 0 33	15 23 0 47 15 22 0 47 15 20 0 47 15 19 0 47 15 18 0 48	22 30 0 12 22 29 0 12 22 28 0 12 22 28 0 12 22 27 0 12	12 36 0 44 12 36 0 44 12 35 0 44 12 35 0 45 12 35 0 45	22 22 0 42 22 21 0 42	16 54 6 17 16 54 6 17 16 54 6 17 16 55 6 17 16 55 6 17	22 20 22 2 22 19 22 2	8 21 30 7 21 29 7 21 28 6 21 27 6 21 26	17 9 5 48 17 9 5 49 17 8 5 49 17 7 5 50 17 7 5 50
S 10 M11 T 12 W13 T 14 F 15	19 28 19 41 19 54 20 6 20 19 20 30 20 42 20 53	16 36 3 5 19 28 2 6 21 24 1 2 22 20 0n 5 22 15 1 10 21 9 2 12	23 49 0 50 23 36 0 36 23 22 0 22	3 33 1 58 1 3 57 2 0 1 4 20 2 2 1 4 44 2 4 1 5 8 2 5 1 5 32 2 7 1	15 46 0 39 15 43 0 42 15 40 0 45 15 37 0 48 15 34 0 50 15 31 0 53	15 15 0 48 15 14 0 48 15 13 0 49 15 12 0 49 15 11 0 49 15 10 0 49	22 25 0 13 22 25 0 13 22 24 0 13 22 23 0 13 22 22 0 13 22 22 0 13	12 34 0 45 12 33 0 45	22 21 0 42 22 21 0 42 22 21 0 42 22 21 0 41 22 21 0 41 22 21 0 41 22 21 0 41	16 55 6 17 16 55 6 16 16 56 6 16 16 56 6 16 16 56 6 16	22 19 22 2 22 19 22 2 22 19 22 2 22 19 22 2 22 18 22 2 22 19 22 2 22 19 22 2 22 19 22 2 22 19 22 2	5 21 23 5 21 22 4 21 21 4 21 20 4 21 19 3 21 18	17 5 5 51 17 5 5 51 17 4 5 51 17 3 5 52 17 3 5 52 17 2 5 52
S 17 M18	21 4 21 14 21 25 21 34 21 44 21 53	16 17 3 57 12 46 4 36 8 42 5 3 4 12 5 16 0n35 5 15 5 29 4 58	22 34 0 25 22 17 0 42 21 58 0 59 21 39 1 16 21 20 1 33	6 19 2 10 1 6 43 2 11 1 7 7 2 12 1 7 30 2 13 1 7 54 2 14 1 8 18 2 14 1	1.5 26 0 58 1.5 24 1 1 1.5 22 1 4 1.5 20 1 6 1.5 18 1 9 1.5 16 1 11	15 9 0 50 15 8 0 50 15 8 0 50 15 7 0 51 15 7 0 51 15 6 0 51	22 20 0 13 22 19 0 13 22 18 0 13 22 18 0 13 22 17 0 13 22 16 0 13	12 33 0 45 12 33 0 45		16 57 6 16 16 57 6 15	22 19 22 2 22 19 22 2	2 21 16 2 21 14 2 21 13 1 21 12 1 21 11 0 21 10	17 1 5 53 17 0 5 53 16 59 5 53 16 59 5 54 16 58 5 54 16 58 5 54
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	22 17 22 25 22 32 22 39 22 45 22 51	18 28 2 30 21 7 1 15 22 22 0s 8 22 0 1 30 20 3 2 46 16 45 3 51	19 43 2 55 19 25 3 10 19 8 3 23 18 52 3 35 18 37 3 46	9 28 2 16 1 9 51 2 16 1 10 14 2 16 1 10 37 2 16 1	15 13 1 18 15 12 1 20 15 11 1 23 15 11 1 25 15 11 1 27 15 11 1 29	15 5 0 52 15 5 0 52 15 5 0 53 15 5 0 53 15 5 0 53	22 13 0 14 22 12 0 14 22 11 0 14 22 10 0 14 22 9 0 14 22 8 0 14	12 33 0 45 12 33 0 45	22 19 0 41 22 18 0 41	16 58 6 15 16 58 6 15 16 58 6 15 16 58 6 15 16 59 6 15 16 59 6 15	22 19 22 1 22 19 22 1 22 19 22 1	9 21 6 9 21 5 8 21 4 8 21 3 7 21 2 7 21 0	16 56 5 55 16 56 5 55 16 55 5 55 16 55 5 55 16 54 5 55 16 53 5 55 16 53 5 56 16 53 5 56

Julian Day Number = 2238372.5, Delta T = 07m27s

Ecliptic obliquity = $23^{\circ}30'52$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°35'53, Lahiri = 15°42'53 Julian Calendar 1 May 1416 == Greg. Calendar 10 May 1416

JUNE 1416 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)f(卉	Р	n	v	Ç	Ŷ,	Day
M 1	17 12 30	18耳36′53	27 Ω 31	11°R25	8 8 9	6°R31	21≈57	20958	29°R 2	11951	21 I 8	12°R 5	11 × 746	8 云 12	15°R52	M 1
T 2	17 16 26	19°34'07	11 m 25	11 I 0	9°17	6M28	21°R57	21° 5	29≈ 1	11°53	21°10	12 x 5	11°43	8°19	15 ∡ ¹48	T 2
W 3	17 20 23	20°31'21	24°56	10°38	10°26	6°26	21°57	21°12	29° 1	11°55	21°11	12°D 5	11°39	8°26	15°44	W 3
T 4	17 24 19	21°28'34	8 º 5	10°19	11°34	6°24	21°57	21°19	29° 1	11°57	21°13	12° 5	11°36	8°32	15°40	T 4
F 5	17 28 16	22°25'46	20°53	10° 4	12°43	6°D24	21°56	21°26	29° 0	12° 0	21°14	12° 6	11°33	8°39	15°36	F 5
S 6	17 32 12	23°22'58	3M25	9°54	13°52	6°24	21°55	21°33	28°59	12° 2	21°16	12° 7	11°30	8°46	15°32	S 6
S 7	17 36 9	24°20'09	15°43	9°47	15° 0	6°25	21°55	21°40	28°59	12° 4	21°17	12° 8	11°27	8°52	15°28	S 7
M 8	17 40 6	25°17'20	27°50	9°D45	16° 9	6°27	21°53	21°48	28°58	12° 6	21°18	12° 9	11°24	8°59	15°24	M 8
T 9	17 44 2	26°14'30	9 . ₹48	9°48	17°18	6°30	21°52	21°55	28°58	12° 8	21°20	12°R 9	11°20	9° 6	15°20	T 9
W10	17 47 59	27°11'40	21°42	9°56	18°27	6°33	21°51	22° 2	28°57	12°10	21°21	12° 9	11°17	9°12	15°16	W10
T 11	17 51 55	28° 8'50	3 云 32	10° 8	19°37	6°37	21°49	22°10	28°56	12°12	21°23	12° 8	11°14	9°19	15°12	T 11
F 12	17 55 52	29° 6'00	15°21	10°26	20°46	6°42	21°47	22°17	28°55	12°15	21°24	12° 6	11°11	9°26	15° 8	F 12
S 13	17 59 48	09 3'10	27°10	10°48	21°55	6°48	21°45	22°24	28°55	12°17	21°26	12° 4	11° 8	9°32	15° 4	S 13
S 14	18 3 45	1° 0'19	9≈ 4	11°15	23° 5	6°55	21°43	22°32	28°54	12°19	21°27	12° 1	11° 5	9°39	15° 0	S 14
M15	18 741	1°57'29	21° 3	11°47	24°14	7° 2	21°40	22°39	28°53	12°21	21°28	11°58	11° 1	9°45	14°57	M15
T 16	18 11 38	2°54'39	3 ∺ 12	12°23	25°24	7°10	21°38	22°47	28°52	12°23	21°30	11°55	10°58	9°52	14°53	T 16
W17	18 15 35	3°51'49	15°33	13° 5	26°33	7°19	21°35	22°54	28°51	12°26	21°31	11°53	10°55	9°59	14°49	W17
T 18	18 19 31	4°48'59	28°10	13°51	27°43	7°28	21°32	23° 2	28°50	12°28	21°33	11°52	10°52	10° 5	14°46	T 18
F 19	18 23 28	5°46'10	11 ° 7	14°41	28°53	7°38	21°29	23° 9	28°49	12°30	21°34	11°D52	10°49	10°12	14°42	F 19
S 20	18 27 24	6°43'21	24°26	15°37	0 I I 3	7°49	21°25	23°17	28°47	12°32	21°36	11°53	10°45	10°19	14°38	S 20
S 21	18 31 21	7°40'33	8 8 10	16°37	1°13	8° 1	21°22	23°24	28°46	12°34	21°37	11°55	10°42	10°25	14°35	S 21
M22	18 35 17	8°37'45	22°20	17°41	2°23	8°13	21°18	23°32	28°45	12°37	21°38	11°56	10°39	10°32	14°31	M22
T 23	18 39 14	9°34'57	6 Ⅱ 55	18°50	3°33	8°26	21°14	23°39	28°44	12°39	21°40	11°R57	10°36	10°39	14°28	T 23
W24	18 43 10	10°32'10	21°51	20° 3	4°43	8°40	21°10	23°47	28°42	12°41	21°41	11°57	10°33	10°45	14°24	W24
T 25	18 47 7	11°29'24	7 95 0	21°20	5°53	8°54	21° 6	23°55	28°41	12°43	21°42	11°55	10°30	10°52	14°21	T 25
F 26	18 51 4	12°26'37	22°13	22°42	7° 4	9° 9	21° 1	24° 2	28°40	12°46	21°44	11°52	10°26	10°59	14°18	F 26
S 27	18 55 0	13°23'51	7 Ω 21	24° 7	8°14	9°24	20°57	24°10	28°38	12°48	21°45	11°48	10°23	11° 5	14°14	S 27
S 28	18 58 57	14°21'05	22°14	25°37	9°25	9°40	20°52	24°18	28°37	12°50	21°47	11°43	10°20	11°12	14°11	S 28
M29	19 2 53	15°18'19	6 m 45	27°11	10°35	9°57	20°47	24°25	28°35	12°52	21°48	11°39	10°17	11°19	14° 8	M29
T 30	19 6 50	169515'34	20m/49	28∏48	11 II 46	10 M .14	20≈42	249533	28≈34	129554	21 II 49	11 × 736	10 × 14	11 る 25	14 ×7 5	T 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	23n 1	7n34	5 s 7	18n11	4s 5	12n 8	2s16	15 s12	1 s33	15 s 5	0 s54	22n 6	0n14	12 s34	0s45	22n18	0 s41	16n59	6s15	22 s19	22 s16	20 s 58	16s52	5n56
T 2	23 6	2 24		18 0				15 12		15 5		22 5		12 34		22 18		16 59				20 57		5 56
W 3	23 10	2 s43	5 10	17 52	4 18	12 52	2 15	15 14	1 37	15 6	0 55	22 4	0 14	12 34	0 46	22 18	0 41	16 59	6 15	22 19	22 15	20 56	16 51	5 56
T 4	23 14	7 35	4 46	17 45		_		15 15	1 39					12 34		22 18	0 41	16 59				20 54		5 56
F 5	23 18	-		17 40			-	15 16	1 40				-	12 34		22 17	-					20 53		5 56
S 6	23 21	15 48	3 19	17 37	4 26	13 56	2 13	15 18	1 42	15 7	0 55	22 1	0 15	12 34	0 46	22 17	0 41	17 0	6 15	22 19	22 14	20 52	16 49	5 56
S 7	23 24	18 51	2 21	17 36	4 26	14 17	2 12	15 20	1 44	15 8	0 56	22 0	0 15	12 35	0 46	22 17	0 41	17 0	6 15	22 19	22 13	20 51	16 49	5 56
M 8	23 26	21 1	1 19	17 36	4 25	14 38	2 11	15 22	1 45	15 8	0 56	21 59	0 15	12 35	0 46	22 17	0 41	17 0	6 14	22 19	22 13	20 50	16 48	5 56
T 9	23 28	22 12	0 13	17 39	4 23	14 59	2 10	15 24	1 47	15 9	0 56	21 58	0 15	12 35	0 46	22 17	0 41	17 0	6 14	22 19	22 13	20 48	16 48	5 56
W10	23 29	22 23	0n53	17 44	4 20	15 19	2 9	15 27	1 48	15 10	0 56	21 57	0 15	12 35	0 46	22 17	0 41	17 0	6 14	22 19	22 12	20 47	16 48	5 56
T 11	23 30	21 32	1 56	17 50	4 15	15 39	2 7	15 30	1 50	15 10	0 57	21 56	0 15	12 36	0 46	22 16	0 41	17 0	6 14	22 19	22 12	20 46	16 47	5 56
F 12	23 31	19 45	2 53	17 58	4 9	15 58	2 6	15 33	1 51	15 11	0 57	21 55	0 15	12 36	0 46	22 16	0 41	17 0	6 14	22 19	22 11	20 45	16 47	5 56
S 13	23 31	17 8	3 44	18 8	4 3	16 18	2 5	15 36	1 53	15 12	0 57	21 54	0 15	12 36	0 46	22 16	0 41	17 1	6 14	22 18	22 11	20 43	16 46	5 56
S 14	23 31	13 47	4 25	18 19	3 55	16 37	2 3	15 40	1 54	15 13	0 58	21 52	0 15	12 37	0 46	22 16	0 41	17 1	6 14	22 18	22 10	20 42	16 46	5 56
M15	23 30	9 52	4 54	18 31	3 47	16 55	2 2	15 43	1 55	15 14	0 58	21 51	0 15	12 37	0 46	22 16	0 41	17 1	6 14	22 18	22 10	20 41	16 46	5 56
T 16	23 29	5 31	5 11	18 45	3 38	17 14	2 0	15 47	1 57	15 15	0 58	21 50	0 15	12 38	0 46	22 15	0 41	17 1	6 14	22 17	22 10	20 40	16 45	5 56
W17	23 27	0 53	5 14	19 0	3 28	17 31	1 59	15 51	1 58	15 17	0 58	21 49	0 15	12 38	0 46	22 15	0 41	17 1	6 14	22 17	22 9	20 38	16 45	5 56
T 18	23 26	3n53	5 2	19 15	3 18	17 49	1 57	15 55		15 18	0 59	21 48	0 15	12 38	0 46	22 15	0 41	17 1	6 14	22 17	22 9	20 37	16 44	5 56
F 19	23 23	8 37	4 35	19 32	3 7	18 6	1 55	16 0	2 0	15 19	0 59	21 47	0 16	12 39	0 46	22 15	0 41	17 1	6 14	22 17	22 8	20 36	16 44	5 56
S 20	23 21	13 6	3 52	19 49	2 56	18 23	1 53	16 5	2 2	15 20	0 59	21 45	0 16	12 39	0 46	22 15	0 41	17 1	6 14	22 17	22 8	20 35	16 44	5 56
S 21	23 17	17 2	2 55	20 7	2 44	18 39	1 51	16 9	2 3	15 22	0 59	21 44	0 16	12 40	0 46	22 14	0 41	17 1	6 14	22 17	22 7	20 33	16 44	5 56
M22	23 14	20 7	1 46	20 25	2 32	18 55	1 49	16 14	2 4	15 23	1 0	21 43	0 16	12 40	0 46	22 14	0 41	17 2	6 14	22 17	22 7	20 32	16 43	5 56
T 23	23 10	21 59	0 28	20 44	2 19	19 10	1 47	16 20	2 5	15 25	1 0	21 42	0 16	12 41	0 46	22 14	0 41	17 2	6 14	22 18	22 6	20 31	16 43	5 56
W24	23 6	22 22	0s54	21 2	2 6	19 25	1 45	16 25	2 6	15 26	1 0	21 41	0 16	12 41	0 46	22 14	0 41	17 2	6 14	22 18	22 6	20 29	16 43	5 56
T 25	23 1	21 7	2 13	21 21	1 53	19 40	1 43	16 30	2 7	15 28	1 0	21 39	0 16	12 42	0 46	22 14	0 41	17 2	6 14	22 17	22 5	20 28	16 42	5 55
F 26		18 20		21 39				16 36		15 30		21 38		12 42	0 46	22 13	0 41	17 2	6 14	22 17	22 5	20 27	16 42	5 55
S 27	22 50	14 20	4 18	21 56	1 27	20 8	1 38	16 42	2 9	15 31	1 1	21 37	0 16	12 43	0 46	22 13	0 41	17 2	6 14	22 16	22 5	20 26	16 42	5 55
S 28	22 44	9 30	4 55	22 13	1 13	20 21	1 36	16 48	2 9	15 33	1 1	21 35	0 16	12 43	0 46	22 13	0 41	17 2	6 14	22 16	22 4	20 24	16 42	5 55
M29	22 38	4 15	5 11	22 29	1 0	20 33	1 34	16 54	2 10	15 35	1 2	21 34	0 16	12 44	0 46	22 13	0 41	17 2	6 14	22 15	22 4	20 23	16 42	5 55
T 30	22n31	1s 4	5 s 8	22n44	0 s47	20n45	1 s31	17s 0	2s11	15 s37	1 s 2	21n33	0n16	12 s44	0 s47	22n13	0 s41	17n 2	6s14	22 s15	22 s 3	20 s22	16s41	5n55

Julian Day Number = 2238403.5, Delta T = 07m27s

Ecliptic obliquity = 23°30'51, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°35'57, Lahiri = 15°42'58 Julian Calendar 1 June 1416 == Greg. Calendar 10 June 1416

JULY 1416 JC 00:00 UT

UUL	1 1410														00.00	0 0 1
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	n	v	Ç	Ŗ	Day
W 1	19 10 46	179512'48	4 ₽ 25	0ഇ30	12耳56	10 M 32	20°R37	249541	28°R32	12957	21 II 51	11°R33	10 × 11	11 る 32	14°R 2	W 1
T 2	19 14 43	18°10'03	17°34	2°14	14° 7	10°51	20≈31	24°49	28≈30	12°59	21°52	11°D33	10° 7	11°39	13 × 759	T 2
F 3	19 18 39	19° 7'18	0 M .19	4° 3	15°18	11°10	20°26	24°56	28°29	13° 1	21°53	11 × 33	10° 4	11°45	13°56	F 3
S 4	19 22 36	20° 4'33	12°44	5°54	16°29	11°29	20°20	25° 4	28°27	13° 3	21°54	11°35	10° 1	11°52	13°53	S 4
S 5	19 26 33	21° 1'49	24°54	7°48	17°40	11°49	20°14	25°12	28°25	13° 6	21°56	11°36	9°58	11°59	13°50	S 5
M 6	19 30 29	21°59'05	6 ₹ 53	9°44	18°51	12°10	20° 9	25°20	28°24	13° 8	21°57	11°R37	9°55	12° 5	13°48	M 6
T 7	19 34 26	22°56'21	18°45	11°43	20° 2	12°31	20° 2	25°27	28°22	13°10	21°58	11°37	9°51	12°12	13°45	T 7
W 8	19 38 22	23°53'38	0 궁 34	13°44	21°13	12°53	19°56	25°35	28°20	13°12	22° 0	11°35	9°48	12°19	13°42	W 8
T 9	19 42 19	24°50'56	12°22	15°47	22°24	13°15	19°50	25°43	28°18	13°14	22° 1	11°31	9°45	12°25	13°40	T 9
F 10	19 46 15	25°48'14	24°13	17°51	23°35	13°37	19°44	25°51	28°16	13°17	22° 2	11°26	9°42	12°32	13°38	F 10
S 11	19 50 12	26°45'34	6≈ 7	19°56	24°46	14° 0	19°37	25°58	28°14	13°19	22° 3	11°18	9°39	12°39	13°35	S 11
S 12	19 54 8	27°42'53	18° 8	22° 1	25°58	14°24	19°30	26° 6	28°12	13°21	22° 4	11°10	9°36	12°45	13°33	S 12
M13	19 58 5	28°40'14	0 ₩ 15	24° 7	27° 9	14°48	19°24	26°14	28°11	13°23	22° 6	11° 1	9°32	12°52	13°31	M13
T 14	20 2 2	29°37'36	12°32	26°13	28°21	15°12	19°17	26°22	28° 9	13°25	22° 7	10°53	9°29	12°59	13°29	T 14
W15	20 5 58	0 Ω 34'59	25° 0	28°19	29°32	15°37	19°10	26°29	28° 6	13°27	22° 8	10°47	9°26	13° 5	13°26	W15
T 16	20 9 55	1°32'23	7 Υ 40	0 Ω 24	09644	16° 2	19° 3	26°37	28° 4	13°30	22° 9	10°42	9°23	13°12	13°24	T 16
F 17	20 13 51	2°29'48	20°37	2°29	1°55	16°28	18°55	26°45	28° 2	13°32	22°10	10°39	9°20	13°19	13°23	F 17
S 18	20 17 48	3°27'14	3 8 52	4°33	3° 7	16°54	18°48	26°53	28° 0	13°34	22°12	10°D39	9°17	13°25	13°21	S 18
S 19	20 21 44	4°24'42	17°28	6°36	4°19	17°21	18°41	27° 0	27°58	13°36	22°13	10°39	9°13	13°32	13°19	S 19
M20	20 25 41	5°22'11	1 Ⅱ 27	8°38	5°31	17°47	18°33	27° 8	27°56	13°38	22°14	10°40	9°10	13°39	13°17	M20
T 21	20 29 37	6°19'42	15°48	10°39	6°43	18°15	18°26	27°16	27°54	13°40	22°15	10°R40	9° 7	13°46	13°16	T 21
W22	20 33 34	7°17'14	0931	12°38	7°55	18°42	18°18	27°24	27°52	13°42	22°16	10°39	9° 4	13°52	13°14	W22
T 23	20 37 31	8°14'47	15°30	14°36	9° 7	19°11	18°11	27°31	27°50	13°44	22°17	10°35	9° 1	13°59	13°13	T 23
F 24	20 41 27	9°12'21	0 Ω 37	16°33	10°19	19°39	18° 3	27°39	27°47	13°46	22°18	10°29	8°57	14° 6	13°11	F 24
S 25	20 45 24	10° 9'57	15°44	18°28	11°31	20° 8	17°55	27°47	27°45	13°48	22°19	10°21	8°54	14°12	13°10	S 25
S 26	20 49 20	11° 7'34	0 m 40	20°22	12°43	20°37	17°48	27°54	27°43	13°50	22°20	10°11	8°51	14°19	13° 9	S 26
M27	20 53 17	12° 5'11	15°16	22°14	13°56	21° 6	17°40	28° 2	27°41	13°53	22°21	10° 2	8°48	14°26	13° 8	M27
T 28	20 57 13	13° 2'50	29°26	24° 5	15° 8	21°36	17°32	28° 9	27°38	13°55	22°22	9°55	8°45	14°32	13° 7	T 28
W29	21 1 10	14° 0'30	13☎ 8	25°54	16°20	22° 6	17°24	28°17	27°36	13°57	22°23	9°49	8°42	14°39	13° 6	W29
T 30	21 5 6	14°58'11	26°20	27°42	17°33	22°37	17°16	28°25	27°34	13°58	22°24	9°45	8°38	14°46	13° 5	T 30
F 31	21 9 3	15 Ω 55'53	9 ™ 7	$29\Omega 29$	189545	23M 8	17≈ 8	28932	27≈31	1499 0	22 II 25	9 х 43	8 ∡ ³35	14 궁 52	13 × 7 4	F 31

Day	0	J)	ζ	5	ç		d	7	2	+	ħ	<u>.</u>)	ł(4		E	2	Ŋ	ນ	Ç	Ł	5
	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	22n24	6s10	4 s48	22n57	0 s34	20n57		17s 7		15 s39		21n32		12 s45		22n12	0 s41	17n 2				20 s20		5n54
T 2	22 17	10 48	4 13		0 21	_		17 13		15 41		21 30		12 45		22 12	0 41	17 2		22 14			-	5 54
F 3	22 9			23 18		21 19		17 20		15 43		21 29		12 46		22 12	0 41	17 2		22 14		20 18	-	5 54
S 4	22 0	18 6	2 31	23 26	0n 3	21 29	1 21	17 27	2 14	15 45	1 3	21 28	0 17	12 47	0 47	22 12	0 41	17 2	6 14	22 15	22 1	20 16	16 41	5 54
S 5	21 52	20 30	1 30	23 32	0 15	21 38	1 19	17 34	2 15	15 47	1 3	21 26	0 17	12 47	0 47	22 12	0 41	17 3	6 14	22 15	22 1	20 15	16 41	5 54
M 6	21 43			23 35		21 47	-	17 41		15 49	1 3	-	0 17	12 48		22 11	0 41	17 3	-	22 15		20 14	-	5 53
T 7	21 33			23 36		21 55		17 48		15 51		21 24		12 49		22 11	0 41	17 3		22 15		20 12		5 53
	21 24			23 34	0 46	_		17 55		15 53		21 22		12 49		22 11	0 41	17 3	-			20 11	-	5 53
1	21 14	-		23 30		22 10		18 2		15 55		21 21		12 50		22 11	0 41	17 3				20 10		5 53
	_	17 54		23 23	1 4	_		18 10		15 58		21 20		12 51		22 11	0 41	17 3		22 13			16 40	5 52
S 11	20 52	14 44	4 12	23 13	1 12	22 22	1 2	18 17	2 18	16 0	1 4	21 18	0 17	12 51	0 47	22 10	0 41	17 3	6 14	22 12	21 58	20 7	16 40	5 52
S 12	20 41	10 57	4 43	23 0	1 19	22 28	1 0	18 25	2 19	16 2	1 4	21 17	0 17	12 52	0 47	22 10	0 41	17 3	6 14	22 11	21 58	20 6	16 40	5 52
M13	20 29	6 42	5 2	22 45	1 25	22 32	0 57	18 32	2 19	16 4	1 5	21 15	0 18	12 53	0 47	22 10	0 41	17 3	6 14	22 10	21 57	20 4	16 40	5 52
T 14	20 18	2 9	5 7	22 27	1 30			18 40	2 19		1 5			12 53	0 47		0 41	17 3	6 14		21 57		16 40	5 51
W15	20 5	2n34		22 7	1 35	-		18 48	2 20		1 5	_		12 54	0 47		0 41	17 3	6 14				16 41	5 51
T 16	19 53	7 15		21 44	1 39	_		18 56	2 20		1 5			12 55			0 41	17 3			21 56		16 41	5 51
F 17	19 40			21 19	1 42			19 3	2 21	16 14	1 5	-		12 56			0 41	17 3	6 15			19 59		5 51
S 18	19 27	15 44	3 5	20 52	1 44	22 46	0 42	19 11	2 21	16 16	1 6	21 9	0 18	12 56	0 47	22 9	0 41	17 3	6 15	22 7	21 55	19 57	16 41	5 50
S 19	19 13	19 2	2 1	20 23	1 46	22 47	0 39	19 19	2 21	16 19	1 6	21 7	0 18	12 57	0 47	22 9	0 41	17 3	6 15	22 7	21 54	19 56	16 41	5 50
M20	18 59	21 19	0 49	19 52	1 46	22 47	0 37	19 27	2 22	16 21	1 6	21 6	0 18	12 58	0 47	22 8	0 41	17 3	6 15	22 7	21 54	19 55	16 41	5 50
T 21	18 45	22 18	0 s28	19 20	1 47		0 34	19 35	2 22	16 24	1 6	21 4	0 18	12 59	0 47	22 8	0 41	17 3	6 15	22 7	21 53	19 53	16 41	5 49
W22	18 30	21 46		18 46	1 46	22 46	0 31	19 43	2 22	16 26	1 6	21 3	0 18	12 59	0 47		0 41	17 3	6 15			19 52		5 49
T 23				18 11	1 45			19 51	2 22	16 29	1 6		0 18			22 8	0 41	17 3	6 15			19 50	-	5 49
F 24	-	16 16		17 34		22 42		19 59	2 23	16 31	1 7		0 19		0 47	22 8	0 41	17 3	6 15			19 49		5 48
S 25	17 45	11 45	4 37	16 56	1 41	22 39	0 22	20 7	2 23	16 34	1 7	20 59	0 19	13 2	0 47	22 7	0 41	17 3	6 15	22 4	21 51	19 48	16 42	5 48
S 26	17 29	6 35	5 0	16 18	1 38	22 35	0 19	20 16	2 23	16 36	1 7	20 57	0 19	13 2	0 47	22 7	0 41	17 3	6 15	22 3	21 51	19 46	16 42	5 48
M27	17 13	1 10	5 3	15 38	1 35	22 31	0 16	20 24	2 23	16 39	1 7	20 56	0 19	13 3	0 47	22 7	0 41	17 3	6 15	22 2	21 50	19 45	16 42	5 47
T 28	16 57	4s10		14 58	1 31	-		20 32	2 23	16 42	1 7						0 41	17 3	6 15			19 43		5 47
W29	16 41	9 6	-	14 17	1 27			20 40	2 24		1 7						0 41	17 3				19 42		5 47
T 30	-	13 27		13 36	1 22			20 48			1 7		-			-	0 41	17 3				19 40		
F 31	16n 7	17s 2	2 s 3 6	12n54	1n17	22n 7	0s 5	20 s56	2 s24	16 s49	1 s 8	20n50	0n19	13 s 7	0 s47	22n 6	0 s41	17n 3	6s15	21 s59	21 s48	19s39	16 s43	5n46

Julian Day Number = 2238433.5, Delta T = 07m27s

Ecliptic obliquity = $23^{\circ}30'51$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°36′01, Lahiri = 15°43′02 Julian Calendar 1 July 1416 == Greg. Calendar 10 July 1416

AUGUST 1416 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)f(¥	Р	ស	Ω	Ç	Ŷ,	Day
S 1	21 13 0	16 Ω 53'37	21 M 32	1 m) 14	19958	23 M 39	17°R 1	28940	27°R29	1495 2	22 II 26	9°D43	8 ~ 32	14 る 59	13°R 4	S 1
S 2	21 16 56	17°51'21	3 ∡ 740	2°57	21°10	24°10	16≈53	28°47	27≈27	14° 4	22°27	9°R44	8°29	15° 6	13 × 3	S 2
M 3	21 20 53	18°49'06	15°37	4°40	22°23	24°42	16°45	28°55	27°24	14° 6	22°28	9 ∡ 744	8°26	15°12	13° 3	M 3
T 4	21 24 49	19°46'53	27°27	6°20	23°36	25°14	16°37	29° 2	27°22	14° 8	22°29	9°42	8°23	15°19	13° 2	T 4
W 5	21 28 46	20°44'41	9 ට 15	8° 0	24°48	25°47	16°29	29°10	27°20	14°10	22°29	9°38	8°19	15°26	13° 2	W 5
T 6	21 32 42	21°42'31	21° 4	9°38	26° 1	26°19	16°21	29°17	27°17	14°12	22°30	9°32	8°16	15°32	13° 2	T 6
F 7	21 36 39	22°40'21	2≈59	11°14	27°14	26°52	16°14	29°24	27°15	14°14	22°31	9°23	8°13	15°39	13° 2	F 7
S 8	21 40 35	23°38'13	15° 1	12°50	28°27	27°25	16° 6	29°32	27°12	14°16	22°32	9°12	8°10	15°46	13°D 2	S 8
S 9	21 44 32	24°36'07	27°12	14°24	29°40	27°59	15°58	29°39	27°10	14°17	22°33	8°59	8° 7	15°52	13° 2	S 9
M10	21 48 29	25°34'02	9 ∺ 33	15°56	0 Ω 53	28°33	15°50	29°46	27° 8	14°19	22°33	8°46	8° 3	15°59	13° 2	M10
T 11	21 52 25	26°31'58	22° 3	17°27	2° 6	29° 7	15°43	29°54	27° 5	14°21	22°34	8°34	8° 0	16° 6	13° 2	T 11
W12	21 56 22	27°29'57	4 Υ 45	18°57	3°19	29°41	15°35	0Ω 1	27° 3	14°23	22°35	8°23	7°57	16°12	13° 2	W12
T 13	22 0 18	28°27'57	17°37	20°26	4°32	0 ∡ 15	15°28	0° 8	27° 0	14°24	22°36	8°15	7°54	16°19	13° 3	T 13
F 14	22 4 15	29°25'59	0842	21°53	5°45	0°50	15°20	0°15	26°58	14°26	22°36	8°10	7°51	16°26	13° 3	F 14
S 15	22 8 11	0 m 24'03	14° 1	23°19	6°59	1°25	15°13	0°22	26°56	14°28	22°37	8° 8	7°48	16°32	13° 4	S 15
S 16	22 12 8	1°22'09	27°35	24°43	8°12	2° 0	15° 6	0°29	26°53	14°29	22°38	8° 7	7°44	16°39	13° 5	S 16
M17	22 16 4	2°20'17	11 Ⅱ 25	26° 6	9°25	2°36	14°59	0°36	26°51	14°31	22°38	8° 7	7°41	16°46	13° 5	M17
T 18	22 20 1	3°18'28	25°34	27°27	10°39	3°11	14°51	0°43	26°49	14°33	22°39	8° 6	7°38	16°52	13° 6	T 18
W19	22 23 58	4°16'40	9959	28°47	11°52	3°47	14°44	0°50	26°46	14°34	22°39	8° 4	7°35	16°59	13° 7	W19
T 20	22 27 54	5°14'54	24°38	0 호 6	13° 6	4°23	14°38	0°57	26°44	14°36	22°40	7°59	7°32	17° 6	13° 8	T 20
F 21	22 31 51	6°13'11	9 Ω 27	1°23	14°20	5° 0	14°31	1° 4	26°41	14°37	22°40	7°51	7°29	17°12	13° 9	F 21
S 22	22 35 47	7°11'29	24°17	2°38	15°33	5°36	14°24	1°11	26°39	14°39	22°41	7°41	7°25	17°19	13°11	S 22
S 23	22 39 44	8° 9'49	9 m) 1	3°52	16°47	6°13	14°17	1°18	26°37	14°40	22°41	7°30	7°22	17°26	13°12	S 23
M24	22 43 40	9° 8'11	23°29	5° 3	18° 1	6°50	14°11	1°24	26°34	14°42	22°42	7°18	7°19	17°32	13°13	M24
T 25	22 47 37	10° 6'34	7 ≏ 36	6°13	19°14	7°27	14° 5	1°31	26°32	14°43	22°42	7° 8	7°16	17°39	13°15	T 25
W26	22 51 33	11° 4'59	21°17	7°21	20°28	8° 4	13°58	1°38	26°30	14°45	22°43	6°59	7°13	17°46	13°16	W26
T 27	22 55 30	12° 3'26	4 M .31	8°27	21°42	8°42	13°52	1°44	26°28	14°46	22°43	6°54	7° 9	17°52	13°18	T 27
F 28	22 59 27	13° 1'55	17°20	9°30	22°56	9°20	13°46	1°51	26°25	14°47	22°44	6°51	7° 6	17°59	13°20	F 28
S 29	23 3 23	14° 0'26	29°47	10°32	24°10	9°58	13°41	1°57	26°23	14°49	22°44	6°50	7° 3	18° 6	13°22	S 29
S 30	23 7 20	14°58'58	11 × 756	11°30	25°24	10°36	13°35	2° 3	26°21	14°50	22°44	6°50	7° 0	18°12	13°24	S 30
M31	23 11 16	15 m 57'32	23 × 753	12 ≏ 26	26 Ω 38	11 × 14	13≈29	2 Ω 10	26≈19	14951	22 ∏ 45	6 才 49	6 才 57	18 ਰ 19	13 × 26	M31

Day	0	J)	ζ	i	ç)	С	37		4	1	ì)	ł(j	ŧ.	E	2	n	v	¢	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
S 1	15n49	19 s44	1 s35	12n11	1n12	22n 0	0s 2	21 s 4	2 s24	16 s 52	1 s	3 20n48	0n19	13 s 7	0 s47	22n 6	0 s41	17n 3	6s15	21 s59	21 s48	19s38	16s43	5n45
S 2	15 32	21 29	0 32	11 29	1 6	21 52	0n 1	21 12	2 24	16 54	1	8 20 47	0 19	13 8	0 47	22 6	0 41	17 3	6 15	21 59	21 47	19 36	16 44	5 45
M 3	15 14	22 13	0n31	10 46	1 0	21 43	0 4		2 24	16 57	1	8 20 46	0 20	13 9	0 47	22 6	0 41	17 3					16 44	5 45
T 4		21 57	1 33	10 3		21 33		21 28		16 59		3 20 44	0 20	-		-		17 3					16 44	5 44
W 5 T 6	14 37 14 19	20 42 18 33	2 30 3 21	9 20 8 37	0 47 0 41	_	0 9	21 36 21 44	2 24 2 24	17 2 17 4		8 20 43 8 20 41	0 20 0 20	-	0 47 0 47	-		17 3 17 3			21 46		16 45	5 44
F 7	14 19		4 3	7 53	0 33			21 44	2 24	17 4 17 6		3 20 41	0 20					17 3					16 45	5 43
S 8	-		4 35			20 49		21 59				8 20 38		13 13			-	17 3					16 46	5 43
S 9	13 22	7 52	4 55	6 27	0 19	20 37	0 20	22 7	2 24	17 11	1	8 20 37	0.20	13 14	0 47	22 4	0 41	17 3	6 16	21 52	21 44	19 26	16 46	5 42
M10	13 2	3 22	5 1	5 44	0 11		0 23		2 24	17 14		3 20 36		-			0 41	17 3		_	21 43			5 42
T 11	12 43	1n19	4 53	5 1	0 3	20 10	0 25	22 22	2 24	17 16	1	9 20 34	0 20	13 16	0 47	22 4	0 41	17 3	6 16	21 48	21 43	19 23	16 47	5 42
W12	12 23	6 1	4 30	4 19	0s 5			22 29	2 24	17 18		20 33	0 20		0 47		0 41	17 3			21 42			5 41
T 13	12 3		3 53		0 13			22 37	2 24	17 21		9 20 31	0 21				0 41	17 3			21 42			5 41
F 14 S 15	11 42 11 22		3 4	2 54	0 21			22 44		17 23		20 30				-		17 3			21 41			5 40 5 40
			2 4	2 13	0 29			22 51	2 24			9 20 28		13 19		22 3	0 41	17 3			21 41			5 40
S 16		20 35	0 56		0 38			22 58				9 20 27	-	13 20			0 41	17 3			-		16 49	5 40
M17 T 18		21 56 21 56	0s17 1 31	0 51	0 46		0 40	23 5 23 12	2 23	17 29 17 32		20 26	0 21 0 21		0 47 0 47	-	0 41	17 2			21 40	-		5 39 5 39
W19	9 58		2 40	0 10 0s29	0 55			23 12	2 23 2 23	17 34		9 20 24 9 20 23	0 21	-		-	0 41 0 41	17 2 17 2			21 39 21 39			5 39
T 20			3 39	1 9	1 12			23 26		17 36		9 20 21	0 21				0 41	17 2			21 38			5 38
F 21	9 15	13 41	4 25	1 47	1 21		0 49		2 23			20 20					0 41	17 2			21 38		16 52	5 38
S 22	8 54	8 52	4 52	2 25	1 29	17 2	0 51	23 39	2 22	17 40	1	20 19	0 22	13 25	0 47	22 2	0 41	17 2	6 17	21 40	21 37	19 7	16 52	5 37
S 23	8 32	3 35	5 0	3 2	1 38	16 42	0 53	23 45	2 22	17 42	1	20 17	0 22	13 25	0 47	22 2	0 41	17 2	6 17	21 38	21 36	19 5	16 53	5 37
M24	8 10	1 s49	4 49	3 39	1 47	16 22	0 55	23 51	2 22	17 43	1	20 16	0 22	13 26	0 47	22 2	0 41	17 2	6 17	21 36	21 36	19 4	16 53	5 37
T 25	7 48	7 0	4 20	4 14	1 55			23 57	2 22	17 45		9 20 14	0 22		0 47		0 41	17 2			21 35		16 54	5 36
W26	7 26	-	3 36		2 4		0 59			17 47		20 13	0 22				0 41	17 2			21 35		16 55	5 36
T 27 F 28	7 4	15 36 18 41	2 42	5 23 5 55	2 12 2 20		1 1	24 9 24 14	2 21 2 21	17 49 17 51		9 20 12 9 20 10					0 41	17 2 17 2					16 55 16 56	5 35 5 35
S 29		20 46	1 41 0 37	6 27	2 28			24 14 24 20	2 21	17 52		9 20 10		-			0 41 0 41	17 2					16 56	5 35
S 30		21 51	0n27	6 57	2 36			24 25		17 54		9 20 8		13 31	0 47		0 41	17 2					16 57	5 34
M31		21 s53	1n29	7 s27		13n45		24 s30		17 s55		9 20n 6		13 s31		22n 1	0 s41						16 s 5 8	

Julian Day Number = 2238464.5, Delta T = 07m26s

Ecliptic obliquity = $23^{\circ}30'51$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°36′06, Lahiri = 15°43′06 Julian Calendar 1 Aug. 1416 == Greg. Calendar 10 Aug. 1416

SEPTEMBER 1416 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	В	រា	u	Ç	Ŷ,	Day
T 1	23 15 13	16 m 56'07	5 云 44	13 <u>₽</u> 20	27 Ω 52	11 × 753	13°R24	2 Ω 16	26°R16	14953	22 II 45	6°R48	6 ₹ 54	18 궁 26	13 × ⁷ 28	T 1
W 2	23 19 9	17°54'44	17°33	14°10	29° 6	12°32	13≈19	2°22	26≈14	14°54	22°45	6 ₹ 45	6°50	18°33	13°30	W 2
T 3	23 23 6	18°53'23	29°25	14°56	0 m 20	13°10	13°14	2°29	26°12	14°55	22°45	6°39	6°47	18°39	13°32	T 3
F 4	23 27 2	19°52'04	11≈25	15°39	1°34	13°50	13° 9	2°35	26°10	14°56	22°46	6°30	6°44	18°46	13°35	F 4
S 5	23 30 59	20°50'46	23°35	16°19	2°49	14°29	13° 4	2°41	26° 8	14°57	22°46	6°19	6°41	18°53	13°37	S 5
S 6	23 34 56	21°49'30	5 ∺ 57	16°54	4° 3	15° 8	13° 0	2°47	26° 6	14°58	22°46	6° 7	6°38	18°59	13°39	S 6
M 7	23 38 52	22°48'16	18°33	17°24	5°17	15°48	12°55	2°53	26° 4	15° 0	22°46	5°54	6°34	19° 6	13°42	M 7
T 8	23 42 49	23°47'05	1 Υ 21	17°50	6°32	16°27	12°51	2°58	26° 2	15° 1	22°46	5°42	6°31	19°13	13°45	T 8
W 9	23 46 45	24°45'55	14°22	18°10	7°46	17° 7	12°47	3° 4	26° 0	15° 2	22°47	5°32	6°28	19°19	13°48	W 9
T 10	23 50 42	25°44'47	27°35	18°24	9° 0	17°47	12°43	3°10	25°58	15° 3	22°47	5°24	6°25	19°26	13°50	T 10
F 11	23 54 38	26°43'42	10858	18°33	10°15	18°27	12°39	3°16	25°56	15° 4	22°47	5°19	6°22	19°33	13°53	F 11
S 12	23 58 35	27°42'39	24°31	18°R35	11°29	19° 7	12°36	3°21	25°54	15° 5	22°47	5°17	6°19	19°39	13°56	S 12
S 13	0 231	28°41'38	8 П 14	18°30	12°44	19°48	12°33	3°27	25°52	15° 5	22°47	5°D16	6°15	19°46	13°59	S 13
M14	0 628	29°40'39	22° 7	18°17	13°58	20°28	12°29	3°32	25°50	15° 6	22°R47	5°17	6°12	19°53	14° 2	M14
T 15	0 10 24	0 ჲ 39'43	69910	17°58	15°13	21° 9	12°27	3°38	25°48	15° 7	22°47	5°R17	6° 9	19°59	14° 6	T 15
W16	0 14 21	1°38'50	20°22	17°30	16°28	21°50	12°24	3°43	25°46	15° 8	22°47	5°15	6° 6	20° 6	14° 9	W16
T 17	0 18 18	2°37'59	4Ω41	16°55	17°42	22°31	12°21	3°48	25°44	15° 9	22°47	5°11	6° 3	20°13	14°12	T 17
F 18	0 22 14	3°37'09	19° 6	16°11	18°57	23°12	12°19	3°53	25°43	15° 9	22°47	5° 5	6° 0	20°19	14°16	F 18
S 19	0 26 11	4°36'23	3 m 30	15°21	20°12	23°53	12°17	3°58	25°41	15°10	22°47	4°57	5°56	20°26	14°19	S 19
S 20	0 30 7	5°35'38	17°49	14°24	21°27	24°35	12°15	4° 4	25°39	15°11	22°46	4°47	5°53	20°33	14°23	S 20
M21	0 34 4	6°34'56	1 ≏ 57	13°21	22°41	25°16	12°13	4° 8	25°38	15°11	22°46	4°38	5°50	20°39	14°27	M21
T 22	0 38 0	7°34'15	15°47	12°13	23°56	25°58	12°11	4°13	25°36	15°12	22°46	4°29	5°47	20°46	14°30	T 22
W23	0 41 57	8°33'37	29°18	11° 3	25°11	26°39	12°10	4°18	25°35	15°13	22°46	4°22	5°44	20°53	14°34	W23
T 24	0 45 53	9°33'01	12 M 26	9°51	26°26	27°21	12° 9	4°23	25°33	15°13	22°46	4°17	5°40	21° 0	14°38	T 24
F 25	0 49 50	10°32'26	25°12	8°40	27°41	28° 3	12° 8	4°27	25°32	15°14	22°45	4°15	5°37	21° 6	14°42	F 25
S 26	0 53 47	11°31'54	7 . ₹39	7°31	28°56	28°45	12° 7	4°32	25°30	15°14	22°45	4°D14	5°34	21°13	14°46	S 26
S 27	0 57 43	12°31'23	19°49	6°28	0 ჲ 11	29°28	12° 6	4°36	25°29	15°15	22°45	4°15	5°31	21°20	14°50	S 27
M28	1 1 40	13°30'54	1 る 47	5°31	1°26	0 궁 10	12° 6	4°41	25°27	15°15	22°45	4°17	5°28	21°26	14°55	M28
T 29	1 5 36	14°30'27	1 <u>3</u> °39	4°42	2°41	<u>0</u> °52	12°D 6	4°45	25°26	15°15	22°44	4°R17	5°25	2 <u>1</u> °33	14°59	T 29
W30	1 9 33	15 ♀ 30'02	25 云 30	4 ♀ 2	3 ≏ 56	1 云 35	12≈ 6	$4\Omega 49$	25≈25	159516	22 II 44	4 ₹ 17	5 ₹ 21	21 る 40	15 × 3	W30

Day	0	3)	ζ	5	ς	2	ď	7	2	4	1	i);	j (j	ŧ	E)	n	U	ţ	ď	
	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	5n10	20s57	2n27	7 s 5 4	2 s 5 1	13n20	1n10	24 s35	2 s20	17s57	1 s 9	20n 5	0n23	13 s32	0 s47	22n 0	0 s41	17n 2	6s18	21 s31	21 s32	18s51	16 s 5 8	5n33
W 2	4 48	19 5	3 18	8 20	2 59	12 56	1 11	24 40	2 19	17 58	1 9	20 4	0 23	13 33	0 47	22 0	0 41	17 1	6 18	21 30	21 31	18 50	16 59	5 33
T 3	4 25	16 25	4 1	8 45	3 5	12 31	1 13	24 45	2 19	18 0	1 9	20 2	0 23	13 34	0 47	22 0	0 41	17 1	6 18	21 29	21 31	18 48	16 59	5 33
F 4	4 2	13 2	4 33	9 8	3 12	12 6	1 14	24 49	2 19	18 1	1 9	20 1	0 23	13 34	0 47	22 0	0 41	17 1	6 18	21 28	21 30	18 47	17 0	5 32
S 5	3 38	9 4	4 54	9 29	3 18	11 40	1 15	24 54	2 18	18 2	1 9	20 0	0 23	13 35	0 47	22 0	0 41	17 1	6 18	21 26	21 30	18 45	17 1	5 32
S 6	3 15	4 41	5 1	9 47	3 24	11 15	1 17	24 58	2 18	18 4	1 8	19 59	0 23	13 36	0 47	22 0	0 41	17 1	6 18	21 24	21 29	18 44	17 1	5 32
M 7	2 52	0 2	4 54	10 4	3 29	10 48	1 18	25 2	2 17	18 5	1 8	19 57	0 23	13 36	0 47	22 0	0 41	17 1	6 18	21 21	21 28	18 42	17 2	5 31
T 8	2 29	4n42	4 32	10 18	3 33	10 22	1 19	25 6	2 17	18 6	1 8	19 56	0 23	13 37	0 47	21 59	0 41	17 1	6 19	21 19	21 28	18 40	17 3	5 31
W 9	2 5	9 18	3 56	10 29	3 37	9 55	1 20		2 16		1 8	19 55	0 24	13 38			0 41	17 1	6 19		21 27			5 30
T 10	1 42	13 32	3 6	10 37	3 40	9 28			2 16	18 8	1 8	19 54	0 24	13 38	0 47	21 59	0 41	17 1	6 19	21 16	21 27	18 37	17 4	5 30
F 11	1 18			10 42	3 42	9 1		25 16	2 16		_			13 39		21 59	-	17 1			21 26			5 30
S 12	0 55	19 53	0 57	10 44	3 43	8 33	1 23	25 19	2 15	18 10	1 8	19 51	0 24	13 40	0 47	21 59	0 41	17 1	6 19	21 15	21 26	18 34	17 6	5 29
S 13	0 31	21 29	0s16	10 42	3 43	8 5	1 24	25 22	2 15	18 11	1 8	19 50	0 24	13 40	0 47	21 59	0 41	17 0	6 19	21 15	21 25	18 33	17 6	5 29
M14	0 8	21 48	1 29	10 36	3 41	7 37	1 24	25 24	2 14	18 12	1 8	19 49	0 24	13 41	0 47	21 59	0 41	17 0	6 19	21 15	21 25	18 31	17 7	5 29
T 15	0s16	20 46	2 37	10 26	3 38	7 9	1 25	25 26	2 14	18 12	1 8	19 48	0 24	13 42	0 47	21 59	0 41	17 0	6 19	21 15	21 24	18 29	17 8	5 28
Wl6	0 39	18 24	3 36	10 11	3 34	6 41	1 26	25 29	2 13	18 13	1 8	19 47	0 24	13 42	0 47	21 59	0 41	17 0	6 19	21 15	21 24	18 28	17 8	5 28
T 17	1 3	14 54	4 23	9 52	3 28	6 12	1 26	25 31		18 14		19 46	0 25	13 43		21 58	0 41	17 0			21 23			5 28
F 18		10 30	4 53		3 20	5 43		25 32		18 14				13 43		21 58		17 0			21 22			5 27
S 19	1 50	5 32	5 4	8 59	3 10	5 14	1 27	25 34	2 12	18 15	1 7	19 43	0 25	13 44	0 47	21 58	0 41	17 0	6 20	21 11	21 22	18 23	17 11	5 27
S 20	2 14	0 17	4 56	8 26	2 59	4 45	1 28	25 35	2 11	18 15	1 7	19 42	0 25	13 44	0 47	21 58	0 41	17 0	6 20	21 10	21 21	18 21	17 11	5 27
M21	2 37	4s55	4 31	7 49	2 45	4 15	1 28	25 36	2 11	18 16	1 7	19 41	0 25	13 45	0 47	21 58	0 41	17 0	6 20	21 8	21 21	18 20	17 12	5 26
T 22	3 1	9 45	3 49	7 8	2 30	3 46	1 28	25 37	2 10	18 16	1 7	19 40	0 25	13 45	0 47	21 58	0 41	17 0	6 20	21 6	21 20	18 18	17 13	5 26
W23	3 24	14 0	2 56	6 25	2 13	3 16	1 28	25 38	2 9	18 16	1 7	19 39	0 25	13 46	0 47	21 58	0 41	17 0	6 20	21 5	21 20	18 17	17 14	5 26
T 24	3 48	17 26	1 54	5 40	1 54	2 46	1 28	25 38	2 9	18 17	1 7	19 38	0 25	13 46	0 47	21 58	0 41	16 59	6 20	21 4	21 19	18 15	17 14	5 25
F 25		19 55	0 48	4 54	1 35	2 16		25 38	2 8							21 58	0 41	16 59	6 20		21 19			5 25
S 26	4 34	21 21	0n18	4 8	1 15	1 46	1 28	25 38	2 8	18 17	1 7	19 36	0 26	13 47	0 47	21 58	0 41	16 59	6 20	21 4	21 18	18 12	17 16	5 25
S 27	4 58	21 45	1 23	3 24	0 54	1 16	1 28	25 38	2 7	18 17	1 7	19 35	0 26	13 48	0 47	21 58	0 41	16 59	6 20	21 4	21 17	18 10	17 17	5 24
M28	5 21	21 7	2 23	2 42	0 34	0 46	1 28	25 37	2 6	18 17	1 7	19 34	0 26	13 48	0 47	21 58	0 41	16 59	6 20	21 4	21 17	18 8	17 17	5 24
T 29	5 44	19 33	3 16	2 5	0 13	0 16	1 28	25 36	2 6	18 17	1 6	19 34	0 26	13 49	0 46	21 58	0 41	16 59	6 21	21 4	21 16	18 7	17 18	5 24
W30	6s 7	17 s10	4n 1	1 s 3 1	0n 6	0s14	1n27	25 s35	2s 5	18s17	1 s 6	19n33	0n26	13 s49	0 s46	21n57	0 s41	16n59	6 s 2 1	21 s 4	21s16	18s 5	17s19	5n23

Julian Day Number = 2238495.5, Delta T = 07m26s

Ecliptic obliquity = 23°30'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°36'10, Lahiri = 15°43'10 Julian Calendar 1 Sept. 1416 == Greg. Calendar 10 Sept. 1416

OCTOBER 1416 JC 00:00 UT

Day	Sid.t	0	D	Ϋ́	Q	ď	4	ħ)Å(¥	Р	'n	Ω	Ç	Ŷ,	Day
T 1	1 13 29	16 ₽ 29'39	7≈24	3°R34	5 ≙ 11	2 ප 17	12≈ 6	4 Ω 53	25°R23	159916	22°R44	4°R14	5 ₹ 18	21 3 46	15 ∡ 7 7	T 1
F 2	1 17 26	17°29'17	19°26	3 ≏ 16	6°26	3° 0	12° 7	4°57	25≈22	15°16	22 II 43	4 ₹ 10	5°15	21°53	15°12	F 2
S 3	1 21 22	18°28'57	1) 41	3°D 9	7°41	3°43	12° 7	5° 1	25°21	15°17	22°43	4° 3	5°12	22° 0	15°16	S 3
S 4	1 25 19	19°28'39	14°11	3°14	8°56	4°26	12° 8	5° 5	25°20	15°17	22°42	3°56	5° 9	22° 6	15°21	S 4
M 5	1 29 16	20°28'22	26°58	3°29	10°11	5° 9	12° 9	5° 9	25°19	15°17	22°42	3°48	5° 5	22°13	15°26	M 5
T 6	1 33 12	21°28'08	10 Y 3	3°55	11°26	5°52	12°10	5°12	25°18	15°17	22°41	3°40	5° 2	22°20	15°30	T 6
W 7	1 37 9	22°27'55	23°25	4°30	12°41	6°35	12°12	5°16	25°17	15°17	22°41	3°34	4°59	22°26	15°35	W 7
T 8	1 41 5	23°27'45	7 8 1	5°14	13°56	7°18	12°13	5°19	25°16	15°17	22°40	3°29	4°56	22°33	15°40	T 8
F 9	1 45 2	24°27'37	20°50	6° 5	15°12	8° 2	12°15	5°22	25°15	15°17	22°40	3°27	4°53	22°40	15°45	F 9
S 10	1 48 58	25°27'30	4 Ⅱ 48	7° 4	16°27	8°45	12°17	5°26	25°14	15°R17	22°39	3°D26	4°50	22°46	15°50	S 10
S 11	1 52 55	26°27'26	18°52	8° 9	17°42	9°29	12°20	5°29	25°14	15°17	22°39	3°27	4°46	22°53	15°55	S 11
M12	1 56 51	27°27'24	3 9 0	9°20	18°57	10°12	12°22	5°32	25°13	15°17	22°38	3°28	4°43	23° 0	16° 0	M12
T 13	2 0 48	28°27'25	17°10	10°35	20°12	10°56	12°25	5°35	25°12	15°17	22°38	3°30	4°40	23° 7	16° 5	T 13
W14	2 4 45	29°27'27	1 Ω 20	11°54	21°28	11°40	12°27	5°38	25°11	15°17	22°37	3°R30	4°37	23°13	16°10	W14
T 15	2 8 41	0 M 27'32	15°28	13°17	22°43	12°23	12°30	5°40	25°11	15°17	22°36	3°29	4°34	23°20	16°15	T 15
F 16	2 12 38	1°27'39	29°33	14°42	23°58	13° 7	12°34	5°43	25°10	15°17	22°36	3°27	4°31	23°27	16°20	F 16
S 17	2 16 34	2°27'48	13 Mp 32	16°10	25°14	13°51	12°37	5°46	25°10	15°16	22°35	3°23	4°27	23°33	16°26	S 17
S 18	2 20 31	3°27'59	27°22	17°40	26°29	14°35	12°41	5°48	25° 9	15°16	22°34	3°18	4°24	23°40	16°31	S 18
M19	2 24 27	4°28'12	11 ♀ 2	19°12	27°44	15°19	12°44	5°50	25° 9	15°16	22°33	3°13	4°21	23°47	16°36	M19
T 20	2 28 24	5°28'26	24°28	20°44	29° 0	16° 4	12°48	5°52	25° 9	15°16	22°33	3° 9	4°18	23°53	16°42	T 20
W21	2 32 20	6°28'43	7 M .38	22°18	0 M 15	16°48	12°53	5°55	25° 8	15°15	22°32	3° 6	4°15	24° 0	16°47	W21
T 22	2 36 17	7°29'02	20°32	23°53	1°30	17°32	12°57	5°57	25° 8	15°15	22°31	3° 4	4°11	24° 7	16°53	T 22
F 23	2 40 13	8°29'22	3 , ₹ 9	25°28	2°46	18°16	13° 1	5°58	25° 8	15°14	22°30	3°D 3	4° 8	24°13	16°58	F 23
S 24	2 44 10	9°29'44	15°30	27° 4	4° 1	19° 1	13° 6	6° 0	25° 8	15°14	22°30	3° 4	4° 5	24°20	17° 4	S 24
S 25	2 48 7	10°30'08	27°38	28°40	5°17	19°45	13°11	6° 2	25° 8	15°13	22°29	3° 5	4° 2	24°27	17°10	S 25
M26	2 52 3	11°30'33	9 ට 37	0 M .16	6°32	20°30	13°16	6° 3	25°D 8	15°13	22°28	3° 7	3°59	24°34	17°15	M26
T 27	2 56 0	12°30'59	21°29	1°52	7°47	21°15	13°21	6° 5	25° 8	15°12	22°27	3° 9	3°56	24°40	17°21	T 27
W28	2 59 56	13°31'27	3≈19	3°29	9° 3	21°59	13°27	6° 6	25° 8	15°12	22°26	3°10	3°52	24°47	17°27	W28
T 29	3 3 53	14°31'56	15°12	5° 5	10°18	22°44	13°32	6° 7	25° 8	15°11	22°25	3°R10	3°49	24°54	17°33	T 29
F 30	3 7 49	15°32'27	27°14	6°41	11°34	2 <u>3</u> °29	13°38	6° 9	25° 8	15°10	22°24	3°10	3°46	2 <u>5</u> ° 0	17°39	F 30
S 31	3 11 46	16MJ2'59	9 ∺ 28	8 M .18	12 M 49	24 ට 13	13 ≈ 44	$6\Omega 10$	25≈ 8	159910	22 II 23	3 ∡ 8	3 ∡ 743	25 궁 7	17 ∡ 744	S 31

Day	0	D	3		φ	♂		4	ŧ);	β(¥		Р	n	Ω	Ç	ķ	;
	decl	decl lat	decl	lat de	l lat	decl lat	dec	l lat	decl	lat	decl	lat	decl lat		decl lat	decl	decl	decl	decl	lat
T 1 F 2	6 s 3 0 6 5 3	14s 2 4nd 10 19 4 :					5 18s1 4 18 1				13 s50 13 50			-	6n59 6s21 6 59 6 21		21 s15 21 15		17 s20 17 20	5n23 5 23
S 3	7 16	6 7 5	8 0 23	0 57 1	5 1 26	25 31 2	3 18 1	6 1 6	19 30	0 27	13 50	0 46	21 57 0	41 16	5 58 6 21	21 1	21 14	18 0	17 21	5 23
S 4 M 5	7 39 8 1	1 35 5 3n 8 4	4 0 12 44 0 7				3 18 1 2 18 1		19 29 19 29		13 51 13 51) 41 16) 41 16			21 13 21 13			5 22 5 22
T 6	8 24	7 48 4	9 0 7	1 34 3	5 1 24 2	25 24 2	1 18 1	5 1 6	19 28	0 27		0 46	21 57 0	41 16	5 58 6 21	20 57	21 12	17 55	17 23	5 22 5 22
T 8	9 8	16 5 2		1 51 4	5 1 22 2	25 18 2	1 18 1 0 18 1	4 1 5	19 26	0 27	13 52	0 46	21 57 0	41 16	5 58 6 21	20 55	21 12 21 11	17 52	17 25	5 21
F 9 S 10	9 31 9 53		8 0 38 7 0 57				59 18 1 58 18 1				13 52 13 52						21 11 21 10			5 21 5 21
S 11 M12	-		23 1 20 34 1 46				58 18 1 57 18 1	-			13 53 13 53) 41 16) 41 16		20 55 20 55		17 47 17 45		5 21 5 20
T 13 W14			36 2 14 25 2 45			25 0 1 . 24 55 1 .	56 18 1 55 18	0 1 5 9 1 5		0 28 0 28	13 53 13 53			-		20 55 20 55	_	17 44 17 42		5 20 5 20
T 15 F 16	11 40 12 1	11 31 4 : 6 48 5	57 3 18 12 3 53		-	24 50 1 . 24 45 1 .		8 1 4 7 1 4						-		20 55 20 55		17 40 17 39		5 20 5 19
S 17	12 22	1 46 5	8 4 28					6 1 4			13 54					20 54		17 37		5 19
S 18 M19	12 43 13 3	8 10 4	45 5 6 7 5 43		8 1 9	-	52 18	5 1 4 4 1 4	19 20	0 29		0 46	21 57 0	41 16	5 57 6 22	20 53 20 52	21 5	17 34		5 19 5 19
T 20 W21	13 43		16 6 22 15 7 1	1 49 10	4 1 6	-	50 18	2 1 4 1 1 4	19 20	0 29	13 54	0 46	21 57 0	41 16	5 57 6 22	20 51 20 51	21 4	17 30	17 34 17 34	5 19 5 18
T 22 F 23	14 3 14 23	19 2 1 20 51 0n	8 7 41 1 8 20	1 44 11 1 39 11		-	49 18 49 17 5	0 1 4 8 1 3			13 54 13 54					20 50 20 50		17 28 17 27		5 18 5 18
S 24		21 36 1	8 9 0				48 17 5				13 54					20 50		17 25		5 18
S 25 M26		21 18 2 20 2 3	11 9 40 8 10 19	-			47 17 5 46 17 5				13 54 13 54) 41 16) 41 16		20 50 20 51		17 23 17 22		5 18 5 18
T 27 W28	15 39 15 57		56 10 58 34 11 37				45 17 5 44 17 5	_			13 54 13 54					20 51 20 51	21 0 20 59		17 38 17 39	5 18 5 17
T 29 F 30	16 15 16 33	-	1 12 16 14 12 54	- 1	8 0 52 2 3 0 50 2		44 17 4 43 17 4				13 54 13 54						20 59 20 58			5 17 5 17
S 31	16 s50		14 13 s32				42 17 s4				13 s54			s41 16			20 s58			5n17

Julian Day Number = 2238525.5, Delta T = 07m26s

Ecliptic obliquity = $23^{\circ}30'51$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°36'14, Lahiri = 15°43'14 Julian Calendar 1 Oct. 1416 = Greg. Calendar 10 Oct. 1416

NOVEMBER 1416 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	δ	4	ħ)∤(卉	Р	ያ	c	Ç	ę,	Day
S 1	3 15 42	17ML33'32	21 米 59	9 m .54	14 M 5	24 궁 58	13≈50	$6\Omega 10$	25≈ 8	15°R 9	22°R22	3°R 6	3 ∡ 140	25 궁 14	17 ∡ 750	S 1
M 2	3 19 39	18°34'06	4 Υ50	11°30	15°20	25°43	13°57	6°11	25° 9	1595 8	22 Ⅱ 21	3 才 4	3°37	25°20	17°56	M 2
T 3	3 23 36	19°34'42	18° 3	13° 5	16°35	26°28	14° 3	6°12	25° 9	15° 7	22°20	3° 2	3°33	25°27	18° 2	T 3
W 4	3 27 32	20°35'19	1839	14°41	17°51	27°13	14°10	6°12	25° 9	15° 7	22°20	3° 1	3°30	25°34	18° 8	W 4
T 5	3 31 29	21°35'57	15°35	16°17	19° 6	27°58	14°16	6°13	25°10	15° 6	22°19	3° 0	3°27	25°40	18°14	T 5
F 6	3 35 25	22°36'37	29°48	17°52	20°22	28°43	14°23	6°13	25°10	15° 5	22°18	2°D59	3°24	25°47	18°21	F 6
S 7	3 39 22	23°37'18	14 Ⅱ 15	19°27	21°37	29°28	14°30	6°13	25°11	15° 4	22°16	2°59	3°21	25°54	18°27	S 7
S 8	3 43 18	24°38'01	28°48	21° 2	22°53	0≈13	14°38	6°R14	25°12	15° 3	22°15	3° 0	3°17	26° 1	18°33	S 8
M 9	3 47 15	25°38'46	139522	22°37	24° 8	0°58	14°45	6°14	25°12	15° 2	22°14	3° 1	3°14	26° 7	18°39	M 9
T 10	3 51 11	26°39'32	27°53	24°12	25°24	1°44	14°53	6°13	25°13	15° 1	22°13	3° 1	3°11	26°14	18°45	T 10
W11	3 55 8	27°40'19	12 Ω 14	25°46	26°39	2°29	15° 0	6°13	25°14	15° 0	22°12	3° 2	3° 8	26°21	18°51	W11
T 12	3 59 5	28°41'08	26°25	27°21	27°55	3°14	15° 8	6°13	25°15	14°59	22°11	3°R 2	3° 5	26°27	18°58	T 12
F 13	4 3 1	29°41'58	10 m /21	28°55	29°10	3°59	15°16	6°12	25°15	14°58	22°10	3° 2	3° 2	26°34	19° 4	F 13
S 14	4 6 58	0 ∡ 42'50	24° 4	0 ₮ 30	0 ₹ 26	4°45	15°24	6°12	25°16	14°57	22° 9	3° 2	2°58	26°41	19°10	S 14
S 15	4 10 54	1°43'43	7 ≙ 32	2° 4	1°41	5°30	15°33	6°11	25°17	14°56	22° 8	3° 1	2°55	26°47	19°17	S 15
M16	4 14 51	2°44'38	20°46	3°38	2°57	6°15	15°41	6°10	25°18	14°55	22° 7	3°D 1	2°52	26°54	19°23	M16
T 17	4 18 47	3°45'34	3 M .46	5°12	4°12	7° 1	15°50	6° 9	25°19	14°53	22° 6	3° 1	2°49	27° 1	19°29	T 17
W18	4 22 44	4°46'31	16°33	6°47	5°28	7°46	15°59	6°8	25°21	14°52	22° 5	3° 1	2°46	27° 8	19°36	W18
T 19	4 26 40	5°47'30	29° 7	8°21	6°43	8°32	16° 7	6° 7	25°22	14°51	22° 3	3°R 1	2°43	27°14	19°42	T 19
F 20	4 30 37	6°48'29	11 × 30	9°55	7°59	9°17	16°16	6° 6	25°23	14°50	22° 2	3° 1	2°39	27°21	19°48	F 20
S 21	4 34 34	7°49'29	23°42	11°29	9°14	10° 2	16°26	6° 5	25°24	14°49	22° 1	3° 1	2°36	27°28	19°55	S 21
S 22	4 38 30	8°50'31	5 る 45	13° 4	10°30	10°48	16°35	6° 3	25°26	14°47	22° 0	3° 1	2°33	27°34	20° 1	S 22
M23	4 42 27	9°51'33	17°40	14°38	11°45	11°34	16°44	6° 2	25°27	14°46	21°59	3° 0	2°30	27°41	20° 8	M23
T 24	4 46 23	10°52'35	29°32	16°12	13° 1	12°19	16°54	6° 0	25°28	14°45	21°58	2°59	2°27	27°48	20°14	T 24
W25	4 50 20	11°53'39	11≈21	17°47	14°16	13° 5	17° 4	5°58	25°30	14°43	21°56	2°57	2°23	27°54	20°21	W25
T 26	4 54 16	12°54'42	23°14	19°21	15°32	13°50	17°13	5°56	25°31	14°42	21°55	2°56	2°20	28° 1	20°27	T 26
F 27	4 58 13	13°55'47	5) 13	20°56	16°47	14°36	17°23	5°54	25°33	14°41	21°54	2°56	2°17	28° 8	20°34	F 27
S 28	5 2 10	14°56'51	17°23	22°31	18° 3	15°21	17°33	5°52	25°34	14°39	21°53	2°D56	2°14	28°15	20°40	S 28
S 29	5 6 6	15°57'56	29°49	24° 5	19°18	16° 7	17°43	5°50	25°36	14°38	21°52	2°56	2°11	28°21	20°46	S 29
M30	5 10 3	16 ×7 59'02	12 Y 36	25 × 740	20 × 34	16≈52	17≈54	5 Ω 48	25≈38	14936	21 II 51	2 ×7 57	2 ×7 8	28 궁 28	20 × 753	M30

Day	0	3)	ζ	5	ς	?	ď	7	2	ł	ŧ	1)į	j (Ą	Ţ	Е	<u>-</u>	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
S 1	17 s 7	1n23	4n59	14s 9	0n43	15 s23	0n46	22 s52	1 s41	17 s43	1 s 2	19n17	0n31	13 s54	0 s45	21n58	0 s41	16n56	6 s 2 3	20 s51	20 s57	17s11	17 s42	5n17
M 2	17 24	6 2		14 45	0 37			22 42		17 41	1 2					21 58	0 41	16 56			20 56		17 42	5 17
T 3	17 41			15 21	0 30			22 33		17 39	1 2					21 58	0 41	16 55			20 56			5 17
W 4		14 40		15 56	0 23			22 23		17 37	1 2					21 58	0 41	16 55			20 55		17 44	5 17
T 5	18 13	-		16 30				22 14		17 35	1 2			13 53		21 58	0 41	16 55			20 55		17 44	5 16
F 6		20 28	0 18		0 9		0 35			17 33				13 53		21 58	0 41	16 55			20 54		17 45	5 16
S 7	18 44	21 33	1 s 2	17 36	0 3	17 42	0 33	21 53	1 36	17 31	1 2	19 17	0 32	13 53	0 45	21 58	0 41	16 55	6 23	20 49	20 53	17 1	17 45	5 16
S 8	18 59	21 12	2 18	18 8	0s 4	18 3	0 31	21 43	1 35	17 29	1 2	19 18	0 32	13 52	0 45	21 58	0 41	16 55	6 23	20 49	20 53	16 59	17 46	5 16
M 9	19 14	19 25	3 26	18 40	0 11	18 24	0 29	21 32	1 34	17 26	1 1	19 18	0 32	13 52	0 45	21 59	0 42	16 55	6 23	20 49	20 52	16 57	17 47	5 16
T 10	19 28	16 24	4 20	19 10	0 18	18 45	0 26	21 21	1 33	17 24	1 1	19 18	0 32	13 52	0 45	21 59	0 42	16 55	6 23	20 50	20 52	16 56	17 47	5 16
W11	19 42	12 26	4 57	19 39	0 24	19 5	0 24	21 10		17 22		19 18	0 33	13 51	0 45	21 59	0 42	16 55	6 23	20 50	20 51	16 54	17 48	5 16
T 12	19 56	7 48	5 15	20 7	0 31	-		20 59		17 19	1 1	19 18		13 51		21 59					20 50			5 16
F 13	20 9	2 51	5 15	20 35	0 37	19 43		20 47		17 17		19 19		13 51		21 59					20 50			5 16
S 14	20 22	2s10	4 56	21 1	0 43	20 2	0 17	20 35	1 30	17 14	1 1	19 19	0 33	13 50	0 45	21 59	0 42	16 55	6 23	20 50	20 49	16 49	17 49	5 16
S 15	20 34	7 0	4 22	21 27	0 49	20 19	0 15	20 23		17 12	1 1	19 19	0 33	13 50	0 45	21 59	0 42	16 55	6 23	20 50	20 48	16 47	17 50	5 16
M16	20 46	11 26		21 51	0 55			20 11	1 28		1 1			13 50		21 59		16 54			20 48			5 16
T 17		15 15		22 14	1 1			19 59	1 27					13 49		21 59		16 54			20 47			5 16
W18		18 17		22 37	1 7	-		19 46	1 26			19 20		13 49							20 47			5 16
T 19		20 23		22 58		21 25		19 33	1 25			19 21		13 48							20 46			5 16
F 20		21 27		23 17		21 40		19 20		16 58		19 21		13 48							20 45			5 16
S 21	21 41	21 30	1 52	23 36	1 23	21 54	0 0	19 7	1 23	16 55	1 0	19 22	0 34	13 48	0 45	22 0	0 42	16 54	6 23	20 50	20 45	16 36	17 53	5 16
S 22	21 51	20 32	2 52	23 54	1 28	22 7	0s 2	18 54	1 22	16 52	1 0	19 22	0 34	13 47	0 45	22 0	0 42	16 54	6 23	20 49	20 44	16 34	17 53	5 16
M23	22 0	18 39	3 43	24 10	1 33	22 20	0 4	18 40	1 22	16 49	1 0	19 23	0 34	13 47	0 45	22 0	0 42	16 54	6 23	20 49	20 43	16 33	17 54	5 16
T 24	22 9	16 0	4 25	24 25	1 38	22 33	0 7	18 27	1 21	16 46	1 0	19 23	0 35	13 46	0 45	22 0	0 42	16 54	6 23	20 49	20 43	16 31	17 54	5 16
W25	22 17	12 42	4 55	24 39	1 42	22 44	0 9	18 13	1 20	16 43	1 0	19 24	0 35	13 46	0 44	22 1	0 42	16 54	6 23	20 49	20 42	16 29	17 55	5 16
T 26	22 25	8 54	5 12	24 51	1 46	22 55	0 12	17 59	1 19	16 40	1 0	19 25	0 35	13 45	0 44	22 1	0 42	16 54	6 23	20 49	20 42	16 27	17 55	5 16
F 27	22 33	4 43	5 17	25 2	1 50	23 5	0 14	17 45	1 18	16 37	1 0	19 25	0 35	13 44	0 44	22 1	0 42	16 54	6 23	20 49	20 41	16 25	17 55	5 16
S 28	22 40	0 17	5 7	25 12	1 54	23 15	0 16	17 30	1 17	16 34	1 0	19 26	0 35	13 44	0 44	22 1	0 42	16 54	6 23	20 49	20 40	16 24	17 56	5 16
S 29	22 46	4n15	4 43	25 20	1 57	23 23	0 19	17 16	1 16	16 31	0 59	19 27	0 35	13 43	0 44	22 1	0 42	16 54	6 23	20 49	20 40	16 22	17 56	5 16
M30	22 s52	8n44	4n 4	25 s27	2s 0	23 s31	0s21	17s 1	1 s15	16 s27	0 s59	19n27	0n36	13 s43	0 s44	22n 1	0 s42	16n54	6s23	20 s49	20 s39	16 s 20	17s56	5n16

Julian Day Number = 2238556.5, Delta T = 07m26s

Ecliptic obliquity = 23°30'50, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°36'18, Lahiri = 15°43'19 Julian Calendar 1 Nov. 1416 == Greg. Calendar 10 Nov. 1416

DECEMBER 1416 JC 00:00 UT

DECL	HIDEN .	LAID OC													00.0	0 01
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	В	n	S	Ç	ķ	Day
T 1	5 13 59	18 ₹ 0'08	25 Υ 46	27 × 15	21 х 49	17≈38	18≈ 4	5°R45	25≈40	14°R35	21°R49	2 ₹ 58	2 √ 4	28 궁 35	20 х 59	T 1
W 2	5 17 56	19° 1'14	9822	28°50	23° 5	18°24	18°15	5 Ω 43	25°41	14933	21 Ⅱ 48	2°59	2° 1	28°41	21° 6	W 2
T 3	5 21 52	20° 2'20	23°25	0 궁 25	24°20	19° 9	18°25	5°40	25°43	14°32	21°47	3° 0	1°58	28°48	21°12	T 3
F 4	5 25 49	21° 3'27	7 Ⅱ 52	2° 0	25°36	19°55	18°36	5°37	25°45	14°30	21°46	3°R 0	1°55	28°55	21°19	F 4
S 5	5 29 45	22° 4'35	22°39	3°35	26°51	20°40	18°47	5°35	25°47	14°29	21°45	3° 0	1°52	29° 1	21°25	S 5
S 6	5 33 42	23° 5'42	7938	5°10	28° 6	21°26	18°58	5°32	25°49	14°27	21°43	2°58	1°49	29° 8	21°32	S 6
M 7	5 37 39	24° 6'51	22°40	6°44	29°22	22°12	19° 9	5°29	25°51	14°26	21°42	2°55	1°45	29°15	21°38	M 7
T 8	5 41 35	25° 7'59	$7\Omega_{38}$	8°19	0 궁 37	22°57	19°20	5°26	25°53	14°24	21°41	2°52	1°42	29°22	21°45	T 8
W 9	5 45 32	26° 9'08	22°22	9°53	1°53	23°43	19°31	5°23	25°55	14°22	21°40	2°49	1°39	29°28	21°51	W 9
T 10	5 49 28	27°10'18	6Mp47	11°27	3° 8	24°28	19°43	5°19	25°57	14°21	21°39	2°47	1°36	29°35	21°58	T 10
F 11	5 53 25	28°11'28	20°49	13° 1	4°24	25°14	19°54	5°16	25°59	14°19	21°37	2°45	1°33	29°42	22° 4	F 11
S 12	5 57 21	29°12'39	4 ≏ 29	14°33	5°39	26° 0	20° 6	5°12	26° 2	14°18	21°36	2°D45	1°29	29°48	22°11	S 12
S 13	6 1 18	0 궁 13'50	17°47	16° 5	6°55	26°45	20°17	5° 9	26° 4	14°16	21°35	2°46	1°26	29°55	22°17	S 13
M14	6 5 14	1°15'01	0 M .45	17°36	8°10	27°31	20°29	5° 5	26° 6	14°14	21°34	2°48	1°23	0≈ 2	22°24	M14
T 15	6 9 11	2°16'13	13°27	19° 6	9°25	28°16	20°41	5° 2	26° 8	14°13	21°33	2°50	1°20	0° 8	22°30	T 15
W16	6 13 8	3°17'25	25°55	20°34	10°41	29° 2	20°53	4°58	26°11	14°11	21°32	2°51	1°17	0°15	22°36	W16
T 17	6 17 4	4°18'37	8 ₹ 12	22° 0	11°56	29°47	21° 5	4°54	26°13	14° 9	21°30	2°R51	1°14	0°22	22°43	T 17
F 18	6 21 1	5°19'50	20°20	23°24	13°12	0 ★33	21°17	4°50	26°16	14° 8	21°29	2°49	1°10	0°29	22°49	F 18
S 19	6 24 57	6°21'02	2 පි 21	24°45	14°27	1°18	21°29	4°46	26°18	14° 6	21°28	2°46	1° 7	0°35	22°56	S 19
S 20	6 28 54	7°22'15	14°17	26° 3	15°43	2° 4	21°42	4°42	26°21	14° 4	21°27	2°41	1° 4	0°42	23° 2	S 20
M21	6 32 50	8°23'27	26°10	27°17	16°58	2°49	21°54	4°38	26°23	14° 3	21°26	2°35	1° 1	0°49	23° 8	M21
T 22	6 36 47	9°24'38	8≈ 0	28°27	18°13	3°35	22° 6	4°34	26°26	14° 1	21°25	2°27	0°58	0°55	23°15	T 22
W23	6 40 43	10°25'50	19°51	29°31	19°29	4°20	22°19	4°30	26°28	13°59	21°23	2°20	0°54	1° 2	23°21	W23
T 24	6 44 40	11°27'01	1) (45	0≈30	20°44	5° 6	22°31	4°25	26°31	13°58	21°22	2°13	0°51	1° 9	23°27	T 24
F 25	6 48 37	12°28'11	13°44	1°22	21°59	5°51	22°44	4°21	26°34	13°56	21°21	2° 8	0°48	1°15	23°33	F 25
S 26	6 52 33	13°29'21	25°52	2° 6	23°15	6°37	22°57	4°17	26°36	13°54	21°20	2° 4	0°45	1°22	23°40	S 26
S 27	6 56 30	14°30'30	8 Υ 13	2°42	24°30	7°22	23°10	4°12	26°39	13°52	21°19	2° 2	0°42	1°29	23°46	S 27
M28	7 0 26	15°31'38	20°52	3° 8	25°46	8° 8	23°23	4° 8	26°42	13°51	21°18	2°D 2	0°39	1°36	23°52	M28
T 29	7 4 23	16°32'46	3 8 53	3°24	27° 1	8°53	23°35	4° 3	26°45	13°49	21°17	2° 3	0°35	1°42	23°58	T 29
W30	7 8 19	1 <u>7</u> °33'53	1 <u>7</u> °20	3°R29	2 <u>8</u> °16	9°38	23°48	3°59	26°48	13°47	21°16	2° 4	0°32	1°49	24° 4	W30
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Julian Day Number = 2238586.5, Delta T = 07m26s

Ecliptic obliquity = $23^{\circ}30'49$, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°36'22, Lahiri = 15°43'23 Julian Calendar 1 Dec. 1416 == Greg. Calendar 10 Dec. 1416