

Astrodienst Ephemeris Tables for the year 1419

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 1419 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	S.	v	Ç	Ŗ	Day
S 1	7 14 17	19ට 6'26	14) 0	25 × 741	3 ∺ 18	29) 45	25 Y 51	2°R45	4) (28	18°R19	23°R25	21°R37	21 ≏ 46	23 Y 27	10 ਰ 24	S 1
M 2	7 18 14	20° 7'33	26° 9	26°52	4°27	0 Υ 26	25°56	2 Mp 42	4°31	189518	23 Ⅱ 24	21 ≏ 33	21°43	23°34	10°29	M 2
T 3	7 22 10	21° 8'38	8 ℃ 5	28° 5	5°36	1°8	26° 0	2°39	4°33	18°16	23°23	21°31	21°40	23°41	10°35	T 3
W 4	7 26 7	22° 9'43	19°54	29°19	6°44	1°49	26° 4	2°36	4°36	18°14	23°22	21°31	21°37	23°47	10°41	W 4
T 5	7 30 4	23°10'47	1841	0 궁 35	7°53	2°30	26° 9	2°33	4°39	18°12	23°21	21°31	21°34	23°54	10°46	T 5
F 6	7 34 0	24°11'50	13°33	1°53	9° 1	3°12	26°14	2°30	4°42	18°11	23°20	21°30	21°30	24° 1	10°52	F 6
S 7	7 37 57	25°12'52	25°34	3°12	10° 9	3°53	26°19	2°27	4°44	18° 9	23°19	21°27	21°27	24° 7	10°57	S 7
S 8	7 41 53	26°13'53	7∏48	4°32	11°17	4°34	26°24	2°23	4°47	18° 7	23°18	21°21	21°24	24°14	11° 3	S 8
M 9	7 45 50	27°14'53	20°21	5°53	12°25	5°16	26°30	2°20	4°50	18° 6	23°17	21°13	21°21	24°20	11° 8	M 9
T 10	7 49 46	28°15'51	39514	7°15	13°32	5°57	26°35	2°16	4°53	18° 4	23°16	21° 2	21°18	24°27	11°14	T 10
W11	7 53 43	29°16'49	16°27	8°39	14°39	6°38	26°41	2°13	4°56	18° 2	23°15	20°49	21°15	24°34	11°19	W11
T 12	7 57 39	0≈17'46	29°59	10° 3	15°47	7°20	26°47	2° 9	4°59	18° 1	23°14	20°36	21°11	24°40	11°25	T 12
F 13	8 1 36	1°18'42	13 Ω 48	11°28	16°53	8° 1	26°53	2° 5	5° 2	17°59	23°13	20°24	21° 8	24°47	11°30	F 13
S 14	8 5 33	2°19'36	27°49	12°55	18° 0	8°42	26°59	2° 2	5° 5	17°57	23°12	20°13	21° 5	24°54	11°36	S 14
S 15	8 9 29	3°20'30	11 m 57	14°22	19° 6	9°23	27° 6	1°58	5° 8	17°56	23°11	20° 6	21° 2	25° 0	11°41	S 15
M16	8 13 26	4°21'23	26° 9	15°50	20°12	10° 5	27°12	1°54	5°11	17°54	23°10	20° 1	20°59	25° 7	11°46	M16
T 17	8 17 22	5°22'15	10 ≏ 21	17°18	21°18	10°46	27°19	1°50	5°14	17°53	23°10	19°59	20°56	25°14	11°52	T 17
W18	8 21 19	6°23'06	24°30	18°48	22°24	11°27	27°26	1°46	5°17	17°51	23° 9	19°D59	20°52	25°20	11°57	W18
T 19	8 25 15	7°23'56	8 M .36	20°18	23°29	12° 8	27°33	1°42	5°20	17°49	23° 8	19°R59	20°49	25°27	12° 2	T 19
F 20	8 29 12	8°24'45	22°37	21°50	24°34	12°49	27°40	1°37	5°23	17°48	23° 7	19°59	20°46	25°34	12° 8	F 20
S 21	8 33 8	9°25'34	6 ₹ 33	23°22	25°39	13°30	27°48	1°33	5°27	17°46	23° 6	19°56	20°43	25°40	12°13	S 21
S 22	8 37 5	10°26'21	20°23	24°54	26°43	14°12	27°55	1°29	5°30	17°45	23° 6	19°50	20°40	25°47	12°18	S 22
M23	8 41 2	11°27'07	4궁 6	26°28	27°47	14°53	28° 3	1°24	5°33	17°43	23° 5	19°42	20°36	25°53	12°23	M23
T 24	8 44 58	12°27'53	17°39	28° 2	28°51	15°34	28°11	1°20	5°36	17°42	23° 4	19°32	20°33	26° 0	12°28	T 24
W25	8 48 55	13°28'37	1≈ 0	29°38	29°55	16°15	28°19	1°16	5°39	17°40	23° 3	19°20	20°30	26° 7	12°33	W25
T 26	8 52 51	14°29'19	14° 7	1≈14	0 Υ 58	16°56	28°27	1°11	5°43	17°39	23° 3	19° 8	20°27	26°13	12°39	T 26
F 27	8 56 48	15°30'00	26°58	2°51	2° 1	17°37	28°35	1° 7	5°46	17°37	23° 2	18°57	20°24	26°20	12°44	F 27
S 28	9 0 44	16°30'40	9 ∺ 33	4°28	3° 3	18°18	28°44	1° 2	5°49	17°36	23° 1	18°48	20°21	26°27	12°49	S 28
S 29	9 441	17°31'18	21°52	6° 7	4° 5	18°59	28°52	0°57	5°53	17°34	23° 1	18°42	20°17	26°33	12°53	S 29
M30	9 8 3 7	18°31'54	3 Υ 58	7°46	5° 7	19°40	29° 1	0°53	5°56	17°33	23° 0	18°39	20°14	26°40	1 <u>2</u> °58	M30
T 31	9 12 34	19≈32'29	15 Y 53	9≈27	6 Υ 8	20 Υ 21	29 Υ 10	0 m 48	5) 59	17932	22 II 59	18°D37	20 ≏ 11	26 Ƴ 47	13 る 3	T 31

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S 1	22 s 9	3 s28	-	22 s25	1n 2			0 s17	0s12	8n56	1 s10	-		10 s36		21n42		17n38	5 s43	8 s27	8 s3 1	9n 0		
M 2 T 3	22 0	0n27		22 36	0 53		1 7	0n 1	0 11	8 57	1 10			10 35		21 43			5 43	8 26	8 29			11
T 3 W 4	21 51 21 41	4 18 7 56		22 46 22 56	0 44 0 35	10 28 9 59	1 3 0 59	0 18 0 36	0 10	8 59 9 1	1 10 1 10		-	10 34 10 33	-	21 43 21 43	0 33 0 33		5 43 5 43	8 25 8 25	8 28 8 27			11 11
T 5	21 31				0 26			0 50	0 8	9 3	1 9	-				21 43			5 43	8 25	8 26			11
F 6	21 20	-		23 12		9 1	0 52	1 10	0 7	9 5	1 9					21 44			5 42	8 24	8 25	9 8		11
S 7	21 9			23 19		8 31	0 48	1 28	0 5	9 7	1 9			10 29		21 44		17 39	5 42	8 23	8 23			11
S 8	20 58	18 4	3 39	23 25	0 1	8 2	0 44	1 45	0 4	99	1 8	12 19	1 47	10 28	0 44	21 44	0 33	17 39	5 42	8 21	8 22	9 11	16 53 6	12
M 9	20 46	18 51	4 19	23 30	0s 7	7 32	0 39	2 3	0 3	9 12	1 8	12 20	1 47	10 27	0 44	21 44	0 33	17 39	5 42	8 18	8 21	9 13	16 52 6	12
T 10	20 34	18 42	4 47	23 34	0 15	7 2	0 35	2 20	0 2	9 14	1 8	12 22	1 47	10 26	0 44	21 45	0 33	17 39	5 42	8 14	8 20	9 14	16 52 6	12
W11	20 22	17 32	5 0	23 37	0 23	6 32	0 31	2 37	0 1	9 16	1 8	12 23	1 47	10 25	0 44	21 45	0 33	17 39	5 42	8 9	8 19	9 16	16 51 6	12
T 12		15 23		23 38	0 30	6 2	0 26	2 55	0 0	9 19	1 7	-		10 24		21 45			5 42	8 4	8 17	9 18		12
F 13		12 19		23 38	0 38	5 31	0 21	3 12	0n 1	9 21	1 7	-		10 23		21 45			5 42	8 0	8 16	9 19		12
S 14	19 42	8 32	3 59	23 37	0 45	5 1	0 17	3 29	0 2	9 24	1 7	12 28	1 48	10 22	0 44	21 45	0 33	17 39	5 41	7 56	8 15	9 21	16 49 6	13
S 15	19 28	4 13	3 7	23 35	0 51	4 31	0 12	3 46	0 3	9 26	1 6	12 29	1 48	10 21	0 44	21 46	0 33	17 39	5 41	7 53	8 14	9 23	16 48 6	13
M16	19 14	0s21	-		0 58	4 0	0 7	4 4	0 4	9 29	1 6	-	-		-	21 46	0 33		5 41	7 51	8 13	9 24		13
T 17	18 59	4 53		23 27	1 4	3 29	0 2	4 21	0 5	9 32	1 6		-			21 46	0 33		5 41	7 50	8 11	9 26		13
W18	18 44	9 9		23 21	1 10	2 59	0n 3	4 38	0 6	9 34	1 6		1 49			21 46	0 33		5 41	7 50	8 10			14
T 19	18 29			23 13	1 16	2 28	0 8	4 55	0 7	9 37	1 5			-		21 47	0 33		5 41	7 50	8 9	9 29		14
F 20 S 21		15 50 17 50	2 44	23 5 22 54	1 21 1 27	1 58 1 27	0 13 0 19	5 12 5 29	0 8	9 40 9 43	1 5			10 15 10 14	-	21 47 21 47	0 33 0 33		5 41 5 40	7 50 7 49	8 8 8 7			14 14
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S 22 M23		18 46 18 35	4 24	22 43 22 30	1 32	0 56 0 26	0 24 0 30	5 45 6 2	0 9 0 10	9 46 9 49	1 4		-	10 12 10 11	-	21 47 21 48	0 33 0 33		5 40 5 40	7 47 7 44	8 6 8 4	9 34	-	15 15
T 24		18 33	-			0 26 0n 5	0 30	6 2 6 19	0 10 0 11	9 49	1 4	-		10 11	-	21 48	0 33		5 40	7 40	8 3	9 33		15
W25		15 10				0 35		6 36	0 11		1 4		1 50			21 48			5 40	7 35	8 2	9 39	-	15
T 26		12 15			1 48	1 6	0 47	6 52	0 13		1 3		1 50			21 48	0 33		5 40	7 31	8 1	9 40	-	16
F 27	16 14				1 52	1 36		7 9	0 14		1 3		1 50			21 48		17 41	5 39	7 27	8 0			16
S 28	15 56	5 2	3 13	21 3	1 55	2 7	0 59	7 25	0 15	10 4	1 3	12 51	1 50	10 5	0 44	21 49	0 33	17 41	5 39	7 23	7 58	9 43	16 39 6	16
S 29	15 38	1 7		20 42		2 37	1 5	7 42	0 15				1 50			21 49		17 41	5 39	7 21	7 57			16
M30	15 19	2n46	-	20 19			1 11	7 58		10 11	1 2			10 3		21 49		17 41	5 39	7 20	7 56			17
T 31	15 s 0	6n30	0n15	19s54	2 s 2	3n37	1n17	8n14	0n17	10n14	1 s 2	12n57	1n51	10 s 2	0 s44	21n49	0 s33	17n41	5 s 3 9	7s19	7 s55	9n48	16 s 37 6n	117

Julian Day Number = 2239347.5, Delta T = 07m22s

Ecliptic obliquity = $23^{\circ}30'44$, Nutation = $0^{\circ}00'07$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38′07, Lahiri = 15°45′07 Julian Calendar 1 Jan. 1419 == Greg. Calendar 10 Jan. 1419

FEBRUARY 1419 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	24	ħ)ţ(卉	В	n	Ω	Ç	ķ	Day
W 1	9 16 31	20≈33'01	27 Y 42	11≈ 8	7 Υ 9	21 ° 2	29 Υ 19	0°R43	6 ∺ 3	17°R30	22°R59	18 ≏ 38	20₽ 8	26 Y 53	13る 8	W 1
T 2	9 20 27	21°33'32	9829	12°50	8°10	21°43	29°28	0 m 39	6° 6	179529	22 II 58	18°38	20° 5	27° 0	13°13	T 2
F 3	9 24 24	22°34'02	21°20	14°33	9°10	22°24	29°37	0°34	6° 9	17°28	22°58	18°R39	20° 2	27° 7	13°18	F 3
S 4	9 28 20	23°34'29	3Ⅱ20	16°17	10° 9	23° 5	29°46	0°29	6°13	17°26	22°57	18°39	19°58	27°13	13°22	S 4
S 5	9 32 17	24°34'54	15°35	18° 2	11°8	23°46	29°56	0°24	6°16	17°25	22°57	18°36	19°55	27°20	13°27	S 5
M 6	9 36 13	25°35'18	28° 9	19°48	12° 7	24°27	0 8 5	0°20	6°19	17°24	22°56	18°31	19°52	27°27	13°32	M 6
T 7	9 40 10	26°35'39	1195 5	21°35	13° 5	25° 8	0°15	0°15	6°23	17°22	22°56	18°25	19°49	27°33	13°36	T 7
W 8	9 44 6	27°35'59	24°26	23°22	14° 3	25°49	0°25	0°10	6°26	17°21	22°55	18°17	19°46	27°40	13°41	W 8
T 9	9 48 3	28°36'16	8 Ω 11	25°11	15° 0	26°30	0°35	0° 5	6°30	17°20	22°55	18° 8	19°42	27°46	13°45	T 9
F 10	9 52 0	29°36'32	22°18	27° 1	15°56	27°10	0°45	0° 0	6°33	17°19	22°55	18° 0	19°39	27°53	13°50	F 10
S 11	9 55 56	0 ∺ 36'46	6 m 42	28°52	16°52	27°51	0°55	29 Ω 56	6°36	17°18	22°54	17°53	19°36	28° 0	13°54	S 11
S 12	9 59 53	1°36'58	21°18	0) €43	17°48	28°32	1° 5	29°51	6°40	17°17	22°54	17°48	19°33	28° 6	13°58	S 12
M13	10 3 49	2°37'09	5 ≙ 57	2°36	18°42	29°13	1°16	29°46	6°43	17°15	22°53	17°46	19°30	28°13	14° 3	M13
T 14	10 7 46	3°37'17	20°34	4°29	19°36	29°53	1°26	29°41	6°47	17°14	22°53	17°D45	19°27	28°20	14° 7	T 14
W15	10 11 42	4°37'25	5 M 3	6°24	20°30	0 8 34	1°37	29°36	6°50	17°13	22°53	17°46	19°23	28°26	14°11	W15
T 16	10 15 39	5°37'30	19°21	8°19	21°23	1°15	1°48	29°32	6°54	17°12	22°53	17°47	19°20	28°33	14°15	T 16
F 17	10 19 35	6°37'34	3 ∡ 27	10°15	22°15	1°55	1°59	29°27	6°57	17°11	22°52	17°R48	19°17	28°40	14°19	F 17
S 18	10 23 32	7°37'37	17°18	12°11	23° 6	2°36	2° 9	29°22	7° 1	17°10	22°52	17°48	19°14	28°46	14°23	S 18
S 19	10 27 29	8°37'38	0 궁 55	14° 8	23°57	3°17	2°21	29°17	7° 4	17° 9	22°52	17°46	19°11	28°53	14°27	S 19
M20	10 31 25	9°37'37	14°19	16° 5	24°46	3°57	2°32	29°13	7° 7	17° 9	22°52	17°42	19° 7	29° 0	14°31	M20
T 21	10 35 22	10°37'35	27°29	18° 2	25°35	4°38	2°43	29° 8	7°11	17° 8	22°52	17°36	19° 4	29° 6	14°35	T 21
W22	10 39 18	11°37'30	10≈26	19°59	26°23	5°18	2°54	29° 3	7°14	17° 7	22°52	17°30	19° 1	29°13	14°39	W22
T 23	10 43 15	12°37'24	23°10	21°56	27°11	5°59	3° 6	28°59	7°18	17° 6	22°51	17°24	18°58	29°20	14°42	T 23
F 24	10 47 11	13°37'16	5) (42	23°52	27°57	6°39	3°17	28°54	7°21	17° 5	22°51	17°18	18°55	29°26	14°46	F 24
S 25	10 51 8	14°37'06	18° 2	25°48	28°42	7°20	3°29	28°50	7°25	17° 4	22°51	17°13	18°52	29°33	14°50	S 25
S 26	10 55 4	15°36'54	0 Υ10	27°41	29°27	8° 0	3°40	28°45	7°28	17° 4	22°51	17°10	18°48	29°39	14°53	S 26
M27	10 59 1	16°36'40	12° 9	29°34	0810	8°41	3°52	28°41	7°31	17° 3	22°D51	17°D 9	18°45	29°46	14°57	M27
T 28	11 2 57	17) 36'24	24 Y 1	1 Υ 24	0 8 53	9821	4 8 4	28 N 36	7 ∺ 35	1795 2	22 II 51	17 ♀ 9	18 ≏ 42	29 Y 53	15 る 0	T 28

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W 1	14 s41	9n56	0 s49	19 s28	2s 3	4n 7	1n23	8n31	0n18	10n18	1 s 2	12n58	1n51	10 s 0	0 s44	21n49	0 s33	17n41	5 s39	7s19	7 s54	9n50	16s36	6n17
T 2	14 22	12 58	1 50	19 0	2 5	4 37	1 29	8 47	0 19	10 21	1 2	13 0	1 51	9 59	0 44	21 50	0 33	17 41	5 39	7 20	7 52	9 51	16 35	6 18
F 3	14 2	15 28	2 47	18 31	2 5	5 6	1 36	9 3	0 20	10 25	1 1	13 2	1 51	9 58	0 44	21 50	0 33	17 42	5 38	7 20	7 51	9 53	16 34	6 18
S 4	13 42	17 20	3 37	18 0	2 6	5 36	1 42	9 19	0 20	10 28	1 1	13 4	1 51	9 56	0 44	21 50	0 33	17 42	5 38	7 20	7 50	9 54	16 34	6 18
S 5	13 22	18 27	4 18	17 28	2 6	6 5	1 48	9 35	0 21	10 32	1 1	13 6	1 51	9 55	0 44	21 50	0 33	17 42	5 38	7 19	7 49	9 56	16 33	6 19
M 6	13 2	18 42	4 48	16 54	2 5	6 34	1 55	9 51	0 22	10 35	1 1	13 7	1 51	9 54	0 44	21 50	0 33	17 42	5 38	7 17	7 48	9 58	16 32	6 19
T 7	12 41	17 59	5 5	16 19	2 4	7 3	2 2	10 6	0 23	10 39	1 1	13 9	1 51	9 53	0 44	21 51	0 33	17 42	5 38	7 14	7 46	9 59	16 31	6 20
W 8	12 21	16 17	5 5	15 42	2 3	7 31	2 8	10 22	0 23	10 43	1 0	13 11	1 51	9 51	0 44	21 51	0 32	17 42	5 38	7 11	7 45	10 1	16 30	6 20
T 9	12 0	13 37	4 49	15 4	2 1	8 0	2 15	10 38	0 24	10 46	1 0	13 13	1 52	9 50	0 44	21 51	0 32	17 42	5 37	7 8	7 44	10 2	16 30	6 20
F 10	11 39	10 6	4 14	14 24	1 59	8 28	2 22	10 53	0 25	10 50	1 0	13 15	1 52	9 49	0 44	21 51	0 32	17 43	5 37	7 5	7 43	10 4	16 29	6 21
S 11	11 17	5 56	3 23	13 43	1 56	8 56	2 28	11 8	0 26	10 54	1 0	13 16	1 52	9 48	0 44	21 51	0 32	17 43	5 37	7 2	7 41	10 5	16 28	6 21
S 12	10 56	1 21	2 18	13 0	1 52	9 24	2 35	11 24	0 26	10 58	0 59	13 18	1 52	9 46	0 44	21 51	0 32	17 43	5 37	7 0	7 40	10 7	16 27	6 21
M13	10 34	3 s20	1 4	12 16	1 48	9 51	2 42	11 39	0 27	11 1	0 59	13 20	1 52	9 45	0 44	21 52	0 32	17 43	5 37	6 59	7 39	10 9	16 26	6 22
T 14	10 13	7 49	0n15	11 30	1 44	10 18	2 49	11 54	0 28	11 5	0 59	13 22	1 52	9 44	0 44	21 52	0 32	17 43	5 36	6 59	7 38	10 10	16 26	6 22
W15	9 51	11 47	1 33	10 43	1 39	10 45	2 56	12 9	0 28	11 9	0 59	13 23	1 52	9 42	0 44	21 52	0 32	17 43	5 36	6 59	7 37	10 12	16 25	6 23
T 16	9 29	15 0	2 43	9 55	1 33	11 11	3 3	12 24	0 29	11 13	0 59	13 25	1 52	9 41	0 44	21 52	0 32	17 44	5 36	7 0	7 35	10 13	16 24	6 23
F 17	9 6	17 16	3 43	9 5	1 27	11 37	3 10	12 39	0 30	11 17	0 58	13 27	1 52	9 40	0 44	21 52	0 32	17 44	5 36	7 0	7 34	10 15	16 23	6 23
S 18	8 44	18 27	4 28	8 15	1 20	12 3	3 17	12 53	0 31	11 21	0 58	13 29	1 52	9 39	0 44	21 52	0 32	17 44	5 36	7 0	7 33	10 16	16 22	6 24
S 19	8 22	18 33	4 58	7 23	1 12	12 28	3 24	13 8	0 31	11 25	0 58	13 30	1 52	9 37	0 44	21 52	0 32	17 44	5 36	6 59	7 32	10 18	16 21	6 24
M20	7 59	17 36	5 10	6 30	1 4	12 54	3 31	13 22	0 32	11 29	0 58	13 32	1 52	9 36	0 44	21 53	0 32	17 44	5 35	6 58	7 31	10 19	16 21	6 25
T 21	7 36	15 43	5 6	5 36	0 56	13 18	3 38	13 37	0 32	11 33	0 58	13 34	1 52	9 35	0 44	21 53	0 32	17 44	5 35	6 56	7 29	10 21	16 20	6 25
W22	7 13	13 5	4 47	4 41	0 47	13 43	3 45	13 51	0 33	11 37	0 57	13 35	1 52	9 34	0 44	21 53	0 32	17 45	5 35	6 53	7 28	10 22	16 19	6 26
T 23	6 51	9 51	4 13	3 46	0 37	14 6	3 52	14 5	0 34	11 41	0 57	13 37	1 52	9 32	0 44	21 53	0 32	17 45	5 35	6 51	7 27	10 24	16 18	6 26
F 24	6 28	6 14	3 27	2 51	0 27	14 30	3 59	14 19	0 34	11 45	0 57	13 39	1 52	9 31	0 44	21 53	0 32	17 45	5 35	6 49	7 26	10 26	16 17	6 27
S 25	6 4	2 24	2 33	1 55	0 16	14 53	4 7	14 33	0 35	11 49	0 57	13 40	1 52	9 30	0 44	21 53	0 32	17 45	5 35	6 47	7 25	10 27	16 16	6 27
S 26	5 41	1n28	1 32	0 59	0 4	15 16	4 14	14 47	0 36	11 54	0 57	13 42	1 52	9 28	0 44	21 53	0 32	17 45	5 34	6 46	7 23	10 29	16 16	6 28
M27	5 18	5 14	0 27	0 4	0n 7	15 38	4 21	15 0	0 36	11 58	0 56	13 44	1 52	9 27	0 44	21 54	0 32	17 45	5 34	6 45	7 22	10 30	16 15	6 28
T 28	4 s 5 5	8n46	0s38	0n51	0n19	15n59	4n28	15n14	0n37	12n 2	0 s 5 6	13n45	1n52	9 s26	0 s44	21n54	0 s32	17n46	5 s34	6 s45	7 s21	10n32	16s14	6n28

Julian Day Number = 2239378.5, Delta T = 07m22s
Ecliptic obliquity = 23°30'45, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°38'11, Lahiri = 15°45'12 Julian Calendar 1 Feb. 1419 == Greg. Calendar 10 Feb. 1419

MARCH 1419 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	24	ħ)ţ(¥	Р	R	Ω	Ç	ķ	Day
W 1	11 6 54	18 ¥ 36'06	5 8 49	3 Υ11	1834	108 1	4816	28°R32	7) €38	17°R 2	22 I I51	17₽10	18 ≏ 39	29Υ59	15 ට 3	W 1
T 2	11 10 51	19°35'45	17°36	4°56	2°14	10°42	4°28	$28\Omega 27$	7°42	1795 1	22°51	17°12	18°36	08 6	15° 7	T 2
F 3	11 14 47	20°35'23	29°27	6°37	2°53	11°22	4°40	28°23	7°45	17° 0	22°51	17°14	18°33	0°13	15°10	F 3
S 4	11 18 44	21°34'57	11 Ⅱ 26	8°14	3°30	12° 2	4°52	28°19	7°48	17° 0	22°52	17°15	18°29	0°19	15°13	S 4
S 5	11 22 40	22°34'30	23°39	9°47	4° 7	12°43	5° 4	28°15	7°52	16°59	22°52	17°R16	18°26	0°26	15°16	S 5
M 6	11 26 37	23°34'01	6 9 9	11°15	4°42	13°23	5°17	28°11	7°55	16°59	22°52	17°15	18°23	0°33	15°19	M 6
T 7	11 30 33	24°33'29	19° 2	12°38	5°15	14° 3	5°29	28° 6	7°58	16°58	22°52	17°13	18°20	0°39	15°22	T 7
W 8	11 34 30	25°32'54	2 Ω 21	13°55	5°47	14°43	5°41	28° 2	8° 2	16°58	22°52	17°11	18°17	0°46	15°25	W 8
T 9	11 38 26	26°32'18	16° 6	15° 6	6°18	15°24	5°54	27°59	8° 5	16°58	22°52	17° 8	18°13	0°53	15°28	T 9
F 10	11 42 23	27°31'39	0 m /18	16°10	6°47	16° 4	6° 7	27°55	8° 8	16°57	22°53	17° 5	18°10	0°59	15°30	F 10
S 11	11 46 20	28°30'57	14°52	17° 8	7°14	16°44	6°19	27°51	8°12	16°57	22°53	17° 3	18° 7	1° 6	15°33	S 11
S 12	11 50 16	29°30'14	29°44	18° 0	7°40	17°24	6°32	27°47	8°15	16°57	22°53	17° 1	18° 4	1°12	15°36	S 12
M13	11 54 13	0 Υ 29'28	14 Ω 44	18°44	8° 4	18° 4	6°45	27°43	8°18	16°56	22°54	17°D 1	18° 1	1°19	15°38	M13
T 14	11 58 9	1°28'41	29°45	19°21	8°26	18°44	6°57	27°40	8°21	16°56	22°54	17° 1	17°58	1°26	15°41	T 14
W15	12 2 6	2°27'52	14 M 39	19°51	8°47	19°24	7°10	27°36	8°25	16°56	22°54	17° 2	17°54	1°32	15°43	W15
T 16	12 6 2	3°27'01	29°18	20°14	9° 5	20° 4	7°23	27°33	8°28	16°56	22°55	17° 3	17°51	1°39	15°45	T 16
F 17	12 9 59	4°26'08	13 ₹ 38	20°29	9°21	20°44	7°36	27°30	8°31	16°56	22°55	17° 4	17°48	1°46	15°48	F 17
S 18	12 13 55	5°25'13	27°37	20°38	9°36	21°24	7°49	27°26	8°34	16°56	22°55	17° 4	17°45	1°52	15°50	S 18
S 19	12 17 52	6°24'17	11 궁 14	20°R39	9°48	22° 4	8° 2	27°23	8°37	16°56	22°56	17°R 4	17°42	1°59	15°52	S 19
M20	12 21 49	7°23'19	24°31	20°33	9°58	22°44	8°16	27°20	8°41	16°D56	22°56	17° 4	17°39	2° 6	15°54	M20
T 21	12 25 45	8°22'19	7≈29	20°21	10° 6	23°23	8°29	27°17	8°44	16°56	22°57	17° 3	17°35	2°12	15°56	T 21
W22	12 29 42	9°21'17	20° 9	20° 3	10°12	24° 3	8°42	27°14	8°47	16°56	22°57	17° 2	17°32	2°19	15°58	W22
T 23	12 33 38	10°20'13	2) (36	19°40	10°15	24°43	8°55	27°11	8°50	16°56	22°58	17° 1	17°29	2°26	16° 0	T 23
F 24	12 37 35	11°19'07	14°51	19°11	10°R16	25°23	9° 9	27° 8	8°53	16°56	22°58	17° 0	17°26	2°32	16° 1	F 24
S 25	12 41 31	12°18'00	26°56	18°37	10°15	26° 3	9°22	27° 6	8°56	16°56	22°59	17° 0	17°23	2°39	16° 3	S 25
S 26	12 45 28	13°16'50	8 Y 53	18° 0	10°11	26°42	9°36	27° 3	8°59	16°56	23° 0	17° 0	17°19	2°46	16° 4	S 26
M27	12 49 24	14°15'39	20°45	17°20	10° 5	27°22	9°49	27° 0	9° 2	16°56	23° 0	17°D 0	17°16	2°52	16° 6	M27
T 28	12 53 21	15°14'26	2 8 34	16°38	9°56	28° 2	10° 3	26°58	9° 5	16°57	23° 1	17° 0	17°13	2°59	16° 7	T 28
W29	12 57 17	16°13'10	14°21	15°54	9°45	28°41	10°16	26°56	9° 8	16°57	23° 2	17° 0	17°10	3° 6	16° 9	W29
T 30	13 1 14	17°11'52	26°10	15°10	9°31	29°21	10°30	26°53	9°11	16°57	23° 2	17°R 0	17° 7	3°12	16°10	T 30
F 31	13 5 11	18 Y 10'33	8 I I 3	14 Y 26	9 8 15	0 I 1	10843	26 Ω 51	9 米 13	16958	23 II 3	17 ♀ 0	17 ♀ 4	3 8 19	16 ਰ 11	F 31

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W 1	4 s31	11n55	1 s41	1n45	0n32	16n20	4n35	15n27	0n37	12n 6	0 s 5 6	13n47	1n52	9 s25	0 s44	21n54	0 s32	17n46	5 s 3 4	6 s46	7 s20	10n33	16s13	6n29
T 2	4 8	14 35	2 40	2 39	0 44	16 41	4 42	15 41	0 38	12 10	0 56	13 48	1 52	9 23	0 44	21 54	0 32	17 46	5 34	6 47	7 19	10 35	16 12	6 29
F 3	3 44	16 38	3 32	3 30	0 57	17 1	4 49	15 54	0 39	12 15	0 56	13 50	1 52	9 22	0 44	21 54	0 32	17 46	5 33	6 47	7 17	10 36	16 11	6 30
S 4	3 21	18 0	4 16	4 21	1 10	17 21	4 55	16 7	0 39	12 19	0 55	13 51	1 52	9 21	0 44	21 54	0 32	17 46	5 33	6 48	7 16	10 38	16 10	6 30
S 5	2 57	18 33	4 49	5 9	1 22	17 40	5 2	16 20	0 40	12 23	0 55	13 53	1 52	9 20	0 44	21 54	0 32	17 47	5 33	6 48	7 15	10 39	16 10	6 31
M 6	2 34	18 13	5 10	5 55	1 35	17 58	5 9	16 33	0 40	12 27	0 55	13 54	1 52	9 18	0 44	21 54	0 32	17 47	5 33	6 48	7 14	10 41	16 9	6 31
T 7	2 10	16 57	5 15	6 39	1 47	18 16	5 16	16 45	0 41	12 32	0 55	13 55	1 52	9 17	0 44	21 54	0 32	17 47	5 33	6 47	7 12	10 42	16 8	6 32
W 8	1 46	14 45	5 5	7 20	1 59	18 33	5 22	16 58	0 41	12 36		13 57	1 52	9 16	0 44	21 54	0 32	17 47	5 33	6 46	7 11	10 44	16 7	6 32
T 9	1 23	11 40	4 36	7 58	2 11	18 50	5 29	17 10	0 42	12 40	0 55	13 58	1 52	9 15	0 44	21 54	0 32	17 47	5 32	6 45	7 10	10 45	16 6	6 33
F 10	0 59	7 48	3 50	8 34	2 22			17 22	0 42	12 44	0 54	13 59	1 52	9 13		21 55			5 32	6 44	7 9	10 47	16 6	6 33
S 11	0 36	3 23	2 49	9 5	2 32	19 20	5 42	17 34	0 43	12 49	0 54	14 1	1 52	9 12	0 44	21 55	0 32	17 48	5 32	6 43	7 8	10 48	16 5	6 34
S 12	0 12	1 s20	1 34	9 34	2 42	19 35	5 48	17 46	0 43	12 53	0 54	14 2	1 52	9 11	0 44	21 55	0 32	17 48	5 32	6 42	7 6	10 50	16 4	6 35
M13	0n12	6 1	0 13	9 59	2 50	19 48	5 54	17 58	0 44	12 57	0 54	14 3	1 52	9 10	0 44	21 55	0 32	17 48	5 32	6 42	7 5	10 51	16 3	6 35
T 14	0 35	10 20	1n10	10 20	2 58	20 1	5 59	18 10	0 44	13 2	0 54	14 4	1 52	9 9	0 44	21 55	0 32	17 48	5 31	6 42	7 4	10 53	16 2	6 36
W15	0 59	13 56	2 27	10 38	3 5	20 13	6 5	18 21	0 45	13 6	0 54	14 6	1 52	9 7	0 44	21 55	0 32	17 48	5 31	6 43	7 3	10 54	16 1	6 36
T 16	1 23	16 35	3 34	10 52	3 10	20 24	6 10	18 32	0 45	13 11	0 54	14 7	1 52	9 6	0 44	21 55	0 32	17 49	5 31	6 43	7 2	10 56	16 1	6 37
F 17	1 46	18 7	4 25	11 1	3 14	20 35	6 16	18 44	0 46	13 15	0 53	14 8	1 52	9 5	0 44	21 55	0 32	17 49	5 31	6 43	7 0	10 57	16 0	6 37
S 18	2 10	18 30	4 59	11 7	3 17	20 44	6 21	18 55	0 46	13 19	0 53	14 9	1 52	9 4	0 44	21 55	0 31	17 49	5 31	6 44	6 59	10 59	15 59	6 38
S 19	2 33	17 47	5 16	11 9	3 18	20 53	6 25	19 5	0 47	13 24	0 53	14 10	1 52	9 3	0 44	21 55	0 31	17 49	5 31	6 44	6 58	11 0	15 58	6 38
M20	2 56	16 7	5 15	11 7	3 18	21 0	6 30	19 16	0 47	13 28	0 53	14 11	1 52	9 1	0 44	21 55	0 31	17 49	5 30	6 43	6 57	11 2	15 58	6 39
T 21	3 20	13 40	4 58	11 1	3 17	21 6	6 34	19 27	0 48	13 32	0 53	14 12	1 52	9 0	0 44	21 55	0 31	17 50	5 30	6 43	6 55	11 3	15 57	6 39
W22	3 43	10 36	4 26	10 51	3 14	21 12	6 38	19 37	0 48	13 37	0 53	14 13	1 52	8 59	0 44	21 55	0 31	17 50	5 30	6 43	6 54	11 5	15 56	6 40
T 23	4 6	7 7	3 43	10 38	3 9	21 16	6 41	19 47	0 49	13 41	0 53	14 14	1 52	8 58	0 44	21 55	0 31	17 50	5 30	6 42	6 53	11 6	15 55	6 41
F 24	4 29	3 23	2 49	10 21	3 3	21 19	6 44	19 58	0 49	13 46	0 52	14 15	1 52	8 57	0 44	21 55	0 31	17 50	5 30	6 42	6 52			6 41
S 25	4 53	0n27	1 49	10 1	2 55	21 21	6 47	20 7	0 49	13 50	0 52	14 16	1 51	8 56	0 44	21 55	0 31	17 50	5 30	6 42	6 51	11 9	15 54	6 42
S 26	5 15	4 13	0 45	9 38	2 45	21 22	6 49	20 17	0 50	13 54	0 52	14 17	1 51	8 55	0 44	21 55	0 31	17 51	5 29	6 42	6 49	11 11	15 53	6 42
M27	5 38	7 48	0 s21	9 12	2 35	21 22	6 50	20 27	0 50	13 59	0 52	14 17	1 51	8 54	0 44	21 55	0 31	17 51	5 29	6 42	6 48	11 12	15 52	6 43
T 28	6 1	11 4	1 26	8 45	2 23	21 20	6 52	20 36	0 51	14 3	0 52	14 18	1 51	8 52	0 44	21 55	0 31	17 51	5 29	6 42	6 47	11 14	15 52	6 43
W29	6 24	13 52	2 26	8 16	2 9	21 17	6 52	20 46	0 51	14 8	0 52	14 19	1 51	8 51	0 44	21 55	0 31	17 51	5 29	6 42	6 46	11 15	15 51	6 44
T 30	6 46	16 6	3 21	7 45	1 55	21 12	6 52	20 55	0 51	14 12	0 52	14 19	1 51	8 50	0 44	21 55	0 31	17 51	5 29	6 42	6 44	11 17	15 50	6 45
F 31	7n 9	17n39	4s 8	7n14	1n40	21n 6	6n52	21n 4	0n52	14n16	0 s 5 1	14n20	1n51	8 s49	0 s44	21n55	0 s31	17n52	5 s 2 9	6 s42	6 s43	11n18	15 s49	6n45

Julian Day Number = 2239406.5, Delta T = 07m22s

Ecliptic obliquity = $23^{\circ}30'45$, Nutation = $0^{\circ}00'06$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38'15, Lahiri = 15°45'15 Julian Calendar 1 March 1419 == Greg. Calendar 10 March 1419

APRIL 1419 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	S.	S	Ç	Ŗ	Day
S 1	13 9 7	19 Y 9'11	20 I 5	13°R43	8°R57	0 Ц 40	10 8 57	26°R49	9 米 16	16958	23Ⅱ 4	16°R59	17 ♀ 0	3 8 25	16 ට 12	S 1
S 2	13 13 4	20° 7'47	29518	13 ° 2	8 8 36	1°20	11°11	26₽47	9°19	16°58	23° 4	16 ≏ 59	16°57	3°32	16°13	S 2
M 3	13 17 0	21° 6'20	14°46	12°24	8°13	1°59	11°25	26°46	9°22	16°59	23° 5	16°59	16°54	3°39	16°14	M 3
T 4	13 20 57	22° 4'52	27°35	11°48	7°47	2°39	11°38	26°44	9°25	16°59	23° 6	16°D59	16°51	3°45	16°15	T 4
W 5	13 24 53	23° 3'21	10 Ω 47	11°16	7°20	3°19	11°52	26°42	9°27	17° 0	23° 7	16°59	16°48	3°52	16°16	W 5
T 6	13 28 50	24° 1'48	24°24	10°49	6°51	3°58	12° 6	26°41	9°30	17° 0	23° 8	17° 0	16°44	3°59	16°17	T 6
F 7	13 32 46	25° 0'13	8 m 28	10°25	6°20	4°37	12°20	26°39	9°33	17° 1	23° 8	17° 0	16°41	4° 5	16°17	F 7
S 8	13 36 43	25°58'36	22°58	10° 6	5°47	5°17	12°34	26°38	9°35	17° 2	23° 9	17° 1	16°38	4°12	16°18	S 8
S 9	13 40 40	26°56'56	7 ≙ 49	9°52	5°13	5°56	12°48	26°37	9°38	17° 2	23°10	17° 2	16°35	4°19	16°18	S 9
M10	13 44 36	27°55'15	22°56	9°43	4°37	6°36	13° 1	26°36	9°40	17° 3	23°11	17°R 2	16°32	4°25	16°19	M10
T 11	13 48 33	28°53'32	8M 9	9°D39	4° 1	7°15	13°15	26°35	9°43	17° 4	23°12	17° 1	16°29	4°32	16°19	T 11
W12	13 52 29	29°51'47	23°19	9°40	3°24	7°54	13°29	26°34	9°45	17° 4	23°13	17° 0	16°25	4°39	16°19	W12
T 13	13 56 26	0 8 50'01	8 ∡ 16	9°45	2°46	8°34	13°43	26°33	9°48	17° 5	23°14	16°59	16°22	4°45	16°19	T 13
F 14	14 0 22	1°48'13	22°54	9°56	2° 8	9°13	13°57	26°32	9°50	17° 6	23°15	16°57	16°19	4°52	16°19	F 14
S 15	14 4 19	2°46'23	7중 6	10°11	1°30	9°52	14°11	26°32	9°53	17° 7	23°16	16°55	16°16	4°59	16°R20	S 15
S 16	14 8 15	3°44'32	20°52	10°30	0°53	10°31	14°25	26°31	9°55	17° 8	23°17	16°54	16°13	5° 5	16°19	S 16
M17	14 12 12	4°42'40	4≈11	10°54	0°15	11°11	14°39	26°31	9°57	17° 9	23°18	16°D54	16°10	5°12	16°19	M17
T 18	14 16 9	5°40'46	17° 6	11°23	29 Y 39	11°50	14°54	26°30	10° 0	17°10	23°19	16°54	16° 6	5°19	16°19	T 18
W19	14 20 5	6°38'50	29°40	11°55	29° 3	12°29	15° 8	26°30	10° 2	17°10	23°20	16°55	16° 3	5°25	16°19	W19
T 20	14 24 2	7°36'53	11) (57	12°32	28°29	13° 8	15°22	26°D30	10° 4	17°11	23°21	16°57	16° 0	5°32	16°18	T 20
F 21	14 27 58	8°34'55	24° 2	13°12	27°56	13°47	15°36	26°30	10° 6	17°12	23°22	16°58	15°57	5°39	16°18	F 21
S 22	14 31 55	9°32'55	5 Ƴ 58	13°56	27°25	14°26	15°50	26°30	10° 9	17°14	23°23	16°59	15°54	5°45	16°17	S 22
S 23	14 35 51	10°30'54	17°48	14°44	26°55	15° 5	16° 4	26°30	10°11	17°15	23°24	17°R 0	15°50	5°52	16°17	S 23
M24	14 39 48	11°28'52	29°35	15°35	26°27	15°44	16°18	26°31	10°13	17°16	23°25	16°59	15°47	5°58	16°16	M24
T 25	14 43 44	12°26'47	11822	16°29	26° 1	16°23	16°32	26°31	10°15	17°17	23°26	16°57	15°44	6° 5	16°15	T 25
W26	14 47 41	13°24'42	23°12	17°27	25°37	17° 2	16°46	26°32	10°17	17°18	23°28	16°54	15°41	6°12	16°14	W26
T 27	14 51 38	14°22'35	5 I I 6	18°27	25°16	17°41	17° 1	26°32	10°19	17°19	23°29	16°50	15°38	6°18	16°14	T 27
F 28	14 55 34	15°20'26	17° 6	19°31	24°57	18°20	17°15	26°33	10°20	17°20	23°30	16°45	15°35	6°25	16°13	F 28
S 29	14 59 31	16°18'15	29°14	20°37	24°40	18°59	17°29	26°34	10°22	17°22	23°31	16°40	15°31	6°32	16°12	S 29
S 30	15 3 27	17816'03	119533	21 Y 47	24 Y 25	19 Ⅱ 38	17 8 43	26₽35	10) €24	179523	23耳32	16 ≏ 36	15 ≏ 28	6 8 38	16 궁 10	S 30

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S 1	7n31	18n25	4 s44	6n43	1n24	20n59	6n50	21n12	0n52	14n21	0 s 5 1	14n21	1n51	8 s48	0 s44	21n55	0 s31	17n52	5 s28	6 s42	6 s42	11n19	15 s49	6n46
S 2	7 53		5 8	6 12	1 8	20 51	6 48 2			14 25	0 51	14 21	1 51	8 47		21 55	0 31		5 28	6 42		11 21		6 46
M 3	8 16		5 18	5 42	0 51		6 46 2			14 29	0 51	14 22	1 51	8 46	-	21 55	0 31	17 52	5 28	6 42		11 22		6 47
T 4	8 38		5 13	5 12		20 29	6 43 2			14 34	0 51	14 22	1 51	8 45		21 55	0 31	17 52	5 28	6 42		11 24		6 47
W 5	8 59		4 51	4 44	0 18		6 39 2				0 51	14 23	1 50	8 44		21 55	0 31	17 53	5 28	6 42		11 25		6 48
T 6 F 7	9 21 9 42	9 27 5 21	4 13 3 18	4 18 3 54	0 1		6 34 2	21 53	0 54		0 51 0 51	14 23 14 24	1 50 1 50	8 43 8 42		21 55	0 31 0 31	17 53 17 53	5 28 5 27	6 42 6 42	6 36			6 49 6 49
S 8	10 4	-	2 10	3 32	0s15 0 31		6 22 2			14 47 14 51	0 51		1 50	8 42		21 55 21 55		17 53	5 27	6 42		11 28 11 30		6 50
S 9	10 25	3 s54	0 51	3 13	0 46		6 15 2			14 55	0 50		1 50	8 40		21 55			5 27	6 43		11 31	-	6 50
M10	10 23	8 26	0n33	2 56	1 1			22 23	0 55		0 50		1 50	8 39		21 55	0 31	17 54	5 27	6 43		11 31		6 51
T 11	11 7	12 28	1 55	2 41	1 15			22 30	0 56	-	0 50	-	1 50	8 38		21 55	0 31	17 54	5 27	6 42		11 34		6 51
W12	11 27	-	3 8	2 29	1 28			22 37	0 56		0 50		1 50	8 37		21 55	0 31		5 27	6 42		11 35		6 52
T 13	11 48	17 41	4 8	2 20	1 41	17 47	5 40 2	22 44	0 56	15 13	0 50	14 25	1 50	8 37	0 45	21 55	0 31	17 54	5 27	6 41	6 27	11 37	15 41	6 53
F 14	12 8	18 30	4 49	2 13	1 53	17 23	5 29 2	22 50	0 57	15 17	0 50	14 25	1 49	8 36	0 45	21 54	0 31	17 54	5 26	6 41	6 26	11 38	15 40	6 53
S 15	12 28	18 8	5 12	2 9	2 3	16 59	5 18 2	22 56	0 57	15 21	0 50	14 25	1 49	8 35	0 45	21 54	0 31	17 55	5 26	6 40	6 25	11 40	15 40	6 54
S 16	12 48	16 41	5 16	2 8	2 13	16 35	5 6 2	23 2	0 57	15 25	0 50	14 26	1 49	8 34	0 45	21 54	0 31	17 55	5 26	6 40	6 24	11 41	15 39	6 54
M17	13 8	14 22	5 2	2 9	2 23	16 10		23 8	0 58		0 50	-	1 49	8 33	0 45	21 54	0 31	17 55	5 26	6 39	6 22	11 43	15 39	6 55
T 18	13 27		4 34	2 12	2 31			23 14		15 34	0 50	-	1 49	8 32		21 54	0 31	17 55	5 26	6 40		11 44		6 55
W19	13 47		3 53	2 18	2 39		4 28 2			15 38	0 49	-	1 49	8 31		21 54	0 31	17 55	5 26	6 40		11 45		6 56
T 20 F 21	14 6	4 18	3 2	2 26	2 45		4 14 2			15 42	0 49	-	1 49	8 31		21 54	0 31	17 56	5 26	6 41		11 47		6 57
S 22	14 24 14 43	0 29	2 4	2 36 2 48	2 51 2 56			23 30 23 35		15 46 15 51	0 49 0 49	-	1 49 1 49	8 30 8 29		21 54 21 54	0 31 0 30		5 25 5 25	6 41 6 42	-	11 48 11 50		6 57 6 58
		3n18	1 1																	-				
S 23	15 1	6 56	0s 4	3 3	3 1			23 40		15 55	0 49	-	1 48	8 28		21 54	0 30		5 25	6 42		11 51		6 58
M24	15 19		1 9	3 19	3 4			23 44	1 0		0 49	-	1 48	8 27		21 53	0 30		5 25	6 42		11 52		6 59
T 25 W26	15 37		2 10	3 37	3 7			23 49 23 53	1 0		0 49		1 48	8 27		21 53	0 30		5 25	6 41		11 54		6 59 7 0
T 27	15 55 16 12		3 6 3 54	3 58 4 19	3 9 3 10		2 49 2 2 35 2		1 0	16 7 16 11	0 49 0 49		1 48 1 48	8 26 8 25		21 53 21 53	0 30 0 30		5 25 5 25	6 40 6 38		11 55 11 57		7 0 7 0
F 28	16 29		4 32	4 43	3 11		2 20 2		1 1	16 15	0 49		1 48	8 25		21 53			5 24	6 36		11 57		7 1
S 29		18 32	4 59	5 8	3 11		2 6		1 1	16 19	0 49		1 48	8 24		21 53		17 57	5 24	6 34			15 33	7 2
			5 s 1 2			11n14	1n52					14n23	1n48			21n53		17n57	5 s24					7n 2
S 30	17n 2	17n50	5s12	5n34	3 s 1 0	11n14	ln52	24n 7	1n 1	16n23	0 s49	14n23	1n48	8 s23	0 s45	21n53	0 s30	17n57	5 s24	6 s32	6s 7	12n 1	15 s33	7n 2

Julian Day Number = 2239437.5, Delta T = 07m22s

Ecliptic obliquity = $23^{\circ}30'45$, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38'19, Lahiri = 15°45'20 Julian Calendar 1 Apr. 1419 == Greg. Calendar 10 Apr. 1419

MAY 1419 JC 00:00 UT

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Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)∤(并	Р	ß	Ω	Ç	ķ	Day
M 1	15 7 24	18 8 13'50	2499 5	22 Y 58	24°R13	20 Ⅱ 17	17 8 57	26€36	10) (26	179524	23耳33	16°R32	15 ≏ 25	6 8 45	16°R 9	M 1
T 2	15 11 20	19°11'34	6Ω 53	24°13	24 Y 3	20°56	18°11	26°37	10°28	17°26	23°35	16 ≏ 30	15°22	6°52	16 る 8	T 2
W 3	15 15 17	20° 9'17	20° 1	25°30	23°56	21°35	18°26	26°39	10°29	17°27	23°36	16°D29	15°19	6°58	16° 7	W 3
T 4	15 19 13	21° 6'59	3 m 30	26°50	23°51	22°14	18°40	26°40	10°31	17°28	23°37	16°30	15°15	7° 5	16° 5	T 4
F 5	15 23 10	22° 4'38	17°23	28°12	23°48	22°53	18°54	26°42	10°33	17°30	23°38	16°31	15°12	7°12	16° 4	F 5
S 6	15 27 7	23° 2'16	1 ≏ 39	29°37	23°D48	23°32	19° 8	26°43	10°34	17°31	23°40	16°32	15° 9	7°18	16° 2	S 6
S 7	15 31 3	23°59'53	16°19	1 8 4	23°50	24°10	19°22	26°45	10°36	17°33	23°41	16°R33	15° 6	7°25	16° 0	S 7
M 8	15 35 0	24°57'28	1 M .16	2°34	23°54	24°49	19°36	26°47	10°37	17°34	23°42	16°32	15° 3	7°32	15°59	M 8
T 9	15 38 56	25°55'02	16°25	4° 6	24° 1	25°28	19°50	26°48	10°39	17°36	23°44	16°30	15° 0	7°38	15°57	T 9
W10	15 42 53	26°52'34	1 ₹ 35	5°40	24°10	26° 7	20° 4	26°50	10°40	17°37	23°45	16°26	14°56	7°45	15°55	W10
T 11	15 46 49	27°50'06	16°39	7°17	24°21	26°45	20°18	26°53	10°41	17°39	23°46	16°20	14°53	7°52	15°53	T 11
F 12	15 50 46	28°47'36	1 る 25	8°56	24°34	27°24	20°32	26°55	10°43	17°40	23°48	16°14	14°50	7°58	15°51	F 12
S 13	15 54 42	29°45'06	15°47	10°38	24°49	28° 3	20°46	26°57	10°44	17°42	23°49	16° 8	14°47	8° 5	15°49	S 13
S 14	15 58 39	0 Ⅱ 42'34	29°41	12°21	25° 6	28°42	21° 0	26°59	10°45	17°43	23°50	16° 3	14°44	8°12	15°47	S 14
M15	16 2 36	1°40'02	13≈ 6	14° 8	25°25	29°20	21°14	27° 2	10°46	17°45	23°52	15°59	14°41	8°18	15°45	M15
T 16	16 6 32	2°37'29	26° 4	15°56	25°45	29°59	21°28	27° 4	10°47	17°47	23°53	15°57	14°37	8°25	15°43	T 16
W17	16 10 29	3°34'55	8) 39	17°47	26° 8	0937	21°42	27° 7	10°48	17°48	23°54	15°D57	14°34	8°32	15°40	W17
T 18	16 14 25	4°32'21	20°54	19°40	26°32	1°16	21°56	27°10	10°49	17°50	23°56	15°58	14°31	8°38	15°38	T 18
F 19	16 18 22	5°29'46	2 Y 55	21°36	26°58	1°55	22°10	27°13	10°50	17°52	23°57	15°59	14°28	8°45	15°36	F 19
S 20	16 22 18	6°27'10	14°47	23°33	27°25	2°33	22°24	27°16	10°51	17°54	23°58	16°R 0	14°25	8°52	15°33	S 20
S 21	16 26 15	7°24'33	26°34	25°33	27°54	3°12	22°38	27°19	10°52	17°55	24° 0	16° 0	14°21	8°58	15°31	S 21
M22	16 30 11	8°21'56	8 8 21	27°35	28°25	3°50	22°52	27°22	10°53	17°57	24° 1	15°57	14°18	9° 5	15°28	M22
T 23	16 34 8	9°19'18	20°10	29°39	28°56	4°29	23° 6	27°25	10°54	17°59	24° 3	15°52	14°15	9°12	15°26	T 23
W24	16 38 5	10°16'40	2 II 5	1 Ⅱ 44	29°30	5° 7	23°20	27°28	10°54	18° 1	24° 4	15°45	14°12	9°18	15°23	W24
T 25	16 42 1	11°14'01	14° 7	3°51	0 8 4	5°46	23°33	27°32	10°55	18° 3	24° 6	15°36	14° 9	9°25	15°20	T 25
F 26	16 45 58	12°11'21	26°18	6° 0	0°40	6°24	23°47	27°35	10°56	18° 5	24° 7	15°26	14° 6	9°31	15°17	F 26
S 27	16 49 54	13° 8'40	8939	8° 9	1°17	7° 3	24° 1	27°39	10°56	18° 6	24° 8	15°15	14° 2	9°38	15°15	S 27
S 28	16 53 51	14° 5'59	21°10	10°20	1°55	7°41	24°14	27°43	10°57	18° 8	24°10	15° 6	13°59	9°45	15°12	S 28
M29	16 57 47	15° 3'16	3 Ω 53	12°31	2°34	8°20	24°28	27°46	10°57	18°10	24°11	14°58	13°56	9°51	15° 9	M29
T 30	17 1 44	16° 0'33	16°49	14°43	3°14	8°58	24°42	27°50	10°58	18°12	24°13	14°52	13°53	9°58	1 <u>5</u> ° 6	T 30
W31	17 5 40	16 Ⅱ 57'49	0 m)0	16耳55	3 8 55	9937	24 8 55	27 Ω 54	10 ∺ 58	189914	24∏14	14 ≏ 48	13 ≏ 50	108 5	15 る 3	W31

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M 1 T 2	17n19 17 35	16n16 5s10 13 52 4 53			n39 24n11 11 25 24 14 1	2 16n2 2 16 3			1n47 1 47	8 s23 8 22		21n53 0s3 21 52 0 3			6s 5	12n 2 12 4	15 s32 7n 3 15 32 7 3
W 3 T 4	17 50 18 6	10 43 4 21 6 56 3 34	7 34 3	3 1 10 12 0	12 24 17 1 59 24 19 1	2 16 3 2 16 3	9 0 48	14 20	1 47 1 47	8 21 8 21	0 45	21 52 0 3 21 52 0 3	17 58 5 24	6 30	6 3 6 2	12 6	
F 5 S 6	18 21 18 35	2 40 2 33 1 s53 1 20			47 24 22 1 34 24 24 1	2 16 4 3 16 4			1 47 1 47	8 20 8 20		21 52 0 3 21 52 0 3			6 0 5 59	12 8 12 9	15 31 7 5 15 31 7 5
S 7 M 8 T 9 W10	18 50 19 4 19 18 19 31		9 52 2 10 29 2	2 41 9 28 0 2 35 9 20 0	22 24 26 1 11 24 28 1 s 0 24 29 1 11 24 31 1	3 16 5 3 16 5 3 16 5 4 17	5 0 48	14 18 14 17	1 47 1 47 1 46 1 46	8 19 8 19 8 18 8 18	0 46 0 46	21 52 0 3 21 51 0 3 21 51 0 3 21 51 0 3	17 59 5 23 17 59 5 23	6 31 6 30	5 58 5 57 5 55 5 54	12 12	15 30 7 6 15 30 7 7
T 11 F 12 S 13	19 57 20 10		12 24 2	2 14 9 3 0 2 6 8 59 0	22 24 32 1 32 24 33 1 42 24 34 1	4 17 1 4 17 1	4 0 48	14 14 14 13	1 46 1 46 1 46	8 17 8 17 8 16	0 46 0 46	21 51 0 3 21 51 0 3 21 51 0 3	17 59 5 23 0 18 0 5 23	6 26 6 24 6 22		12 17 12 19	15 29 7 8 15 29 7 9
W17 T 18 F 19	-	15 22 5 1 12 31 4 36 9 9 3 57 5 27 3 8 1 36 2 12 2n14 1 10 5 57 0 7	14 24 1 15 5 1 15 46 1 16 26 1 17 7 1	1 48 8 55 1 1 39 8 55 1 1 29 8 55 1 1 19 8 56 1 1 9 8 58 1	51 24 35 1 0 24 35 1 9 24 35 1 17 24 36 1 26 24 35 1 33 24 35 1 41 24 35 1	4 17 1 5 17 2 5 17 2 5 17 2 5 17 3 5 17 3 5 17 4	2 0 48 5 0 48 9 0 48 3 0 47 6 0 47	14 12 14 11 14 10 14 8 14 7	1 46 1 46 1 46 1 45 1 45 1 45	8 16 8 15 8 15 8 15 8 14 8 14 8 14	0 46 0 46 0 46 0 46 0 46	21 50 0 3 21 49 0 3 21 49 0 3	0 18 0 5 23 0 18 0 5 22 0 18 0 5 22 0 18 0 5 22 0 18 0 5 22 0 18 1 5 22		5 47 5 46 5 44 5 43	12 22	15 28 7 9 15 28 7 10 15 28 7 10 15 28 7 11 15 28 7 11
S 21 M22 T 23 W24 T 25 F 26 S 27	21 55 22 3 22 12	12 29 1 57 15 3 2 53 17 1 3 42 18 15 4 21 18 40 4 48	19 5 0 19 43 0 20 20 0 20 55 0 21 29 0	0 37 9 10 1 0 26 9 15 2 0 15 9 21 2 0 4 9 27 2 0n 7 9 35 2	7 24 31 1	6 17 4 6 17 4 6 17 5 6 17 5 6 17 5 6 18	7 0 47 0 0 47 4 0 47	14 4 14 3 14 1 14 0 13 59	1 45 1 45 1 45 1 45 1 45 1 44 1 44	8 13 8 13 8 13 8 13 8 12 8 12 8 12	0 46 0 46 0 46 0 46 0 46	21 49 0 3 21 49 0 3 21 49 0 3 21 48 0 3 21 48 0 3 21 48 0 3 21 48 0 3	0 18 1 5 22 0 18 2 5 22	6 18 6 16 6 13 6 9 6 6	5 39 5 38 5 37 5 36 5 34	12 32 12 34	15 27 7 12 15 27 7 13 15 27 7 13 15 27 7 14 15 27 7 14
T 30	-	14 40 4 48 11 43 4 19	22 59 0 23 25 0	0 38 10 0 2 0 47 10 9 2	29 24 24 1 33 24 22 1 38 24 19 1 s42 24n17 11	7 18 7 18 1 7 18 1 7 18 1	4 0 47	13 55	1 44 1 44 1 44 1n44	8 12 8 12 8 12 8 s11	0 46 0 46	21 47 0 3 21 47 0 3 21 47 0 3 21 147 0 83	18 2 5 21	5 58 5 55 5 52 5 s51	5 31 5 30	12 39 12 40 12 42 12n43	15 27 7 15 15 27 7 15

Julian Day Number = 2239467.5, Delta T = 07m22s

Ecliptic obliquity = $23^{\circ}30'44$, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38'23, Lahiri = 15°45'24 Julian Calendar 1 May 1419 == Greg. Calendar 10 May 1419

JUNE 1419 JC 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ)Å(¥	Р	v	Ω	Ç	ę,	Day
T 1	17 9 37	17 II 55'04	13 m 28	19耳 6	4 8 37	109915	25 8 9	27 Ω 58	10 米 58	189516	24 I I16	14°D47	13 ≙ 47	10811	15°R 0	T 1
F 2	17 13 34	18°52'19	27°13	21°18	5°21	10°54	25°22	28° 2	10°59	18°18	24°17	14 ≗ 47	13°43	10°18	14 云 57	F 2
S 3	17 17 30	19°49'32	11 ≏ 17	23°28	6° 5	11°32	25°36	28° 7	10°59	18°20	24°18	14°R48	13°40	10°25	14°54	S 3
S 4	17 21 27	20°46'45	25°40	25°38	6°50	12°10	25°49	28°11	10°59	18°22	24°20	14°47	13°37	10°31	14°50	S 4
M 5	17 25 23	21°43'57	10 M .19	27°47	7°35	12°49	26° 3	28°15	10°59	18°24	24°21	14°45	13°34	10°38	14°47	M 5
T 6	17 29 20	22°41'09	25°11	29°54	8°22	13°27	26°16	28°20	10°59	18°26	24°23	14°40	13°31	10°45	14°44	T 6
W 7	17 33 16	23°38'20	10 × 7	295 0	9° 9	14° 5	26°29	28°24	10°59	18°28	24°24	14°33	13°27	10°51	14°41	W 7
T 8	17 37 13	24°35'31	25° 0	4° 4	9°57	14°44	26°42	28°29	10°R59	18°30	24°26	14°24	13°24	10°58	14°37	T 8
F 9	17 41 9	25°32'41	9 ප 41	6° 7	10°46	15°22	26°56	28°33	10°59	18°32	24°27	14°14	13°21	11° 5	14°34	F 9
S 10	17 45 6	26°29'52	24° 1	8° 7	11°36	16° 0	27° 9	28°38	10°59	18°34	24°29	14° 4	13°18	11°11	14°31	S 10
S 11	17 49 3	27°27'02	7≈57	10° 6	12°26	16°39	27°22	28°43	10°59	18°37	24°30	13°55	13°15	11°18	14°27	S 11
M12	17 52 59	28°24'12	21°25	12° 3	13°17	17°17	27°35	28°48	10°59	18°39	24°32	13°48	13°12	11°25	14°24	M12
T 13	17 56 56	29°21'22	4) (26	13°58	14° 9	17°55	27°48	28°53	10°59	18°41	24°33	13°43	13° 8	11°31	14°20	T 13
W14	18 0 52	09518'32	17° 3	15°50	15° 1	18°33	28° 1	28°58	10°58	18°43	24°35	13°41	13° 5	11°38	14°17	W14
T 15	18 4 49	1°15'43	29°19	17°41	15°54	19°12	28°14	29° 3	10°58	18°45	24°36	13°D40	13° 2	11°45	14°13	T 15
F 16	18 8 45	2°12'54	11 Y 21	19°30	16°47	19°50	28°27	29° 8	10°58	18°47	24°37	13°R40	12°59	11°51	14°10	F 16
S 17	18 12 42	3°10'05	23°13	21°16	17°41	20°28	28°39	29°13	10°57	18°49	24°39	13°40	12°56	11°58	14° 6	S 17
S 18	18 16 38	4° 7'16	5 8 0	23° 1	18°36	21° 6	28°52	29°18	10°57	18°52	24°40	13°38	12°53	12° 5	14° 3	S 18
M19	18 20 35	5° 4'27	16°49	24°43	19°31	21°45	29° 5	29°24	10°56	18°54	24°42	13°35	12°49	12°11	13°59	M19
T 20	18 24 32	6° 1'39	28°42	26°24	20°26	22°23	29°17	29°29	10°56	18°56	24°43	13°28	12°46	12°18	13°56	T 20
W21	18 28 28	6°58'51	10 Ⅱ 44	28° 2	21°22	23° 1	29°30	29°35	10°55	18°58	24°45	13°19	12°43	12°25	13°52	W21
T 22	18 32 25	7°56'03	22°56	29°38	22°18	23°39	29°43	29°40	10°54	19° 0	24°46	13° 8	12°40	12°31	13°48	T 22
F 23	18 36 21	8°53'16	5920	1 Ω 12	23°15	24°18	29°55	29°46	10°54	19° 2	24°47	12°55	12°37	12°38	13°45	F 23
S 24	18 40 18	9°50'29	17°57	2°44	24°12	24°56	0 Π 7	29°52	10°53	19° 5	24°49	12°42	12°33	12°45	13°41	S 24
S 25	18 44 14	10°47'42	0 Ω 47	4°14	25°10	25°34	0°20	29°57	10°52	19° 7	24°50	12°29	12°30	12°51	13°38	S 25
M26	18 48 11	11°44'55	13°48	5°42	26° 8	26°12	0°32	0 m y 3	10°51	19° 9	24°52	12°19	12°27	12°58	13°34	M26
T 27	18 52 7	12°42'08	27° 1	7° 8	27° 7	26°50	0°44	0° 9	10°50	19°11	24°53	12°11	12°24	13° 5	13°30	T 27
W28	18 56 4	13°39'21	10 m 25	8°31	28° 5	27°29	0°56	0°15	10°50	19°14	24°55	12° 6	12°21	13°11	13°27	W28
T 29	19 0 1	14°36'35	24° 0	9°52	29° 5	28° 7	1° 8	0°21	10°49	19°16	24°56	12° 4	12°18	13°18	1 <u>3°</u> 23	T 29
F 30	19 3 57	15933'48	7 ≗ 47	11 .Ω 11	0 Π 4	289945	1Ⅲ20	0 m 27	10) (48	199518	24 Ⅱ 57	12 ♀ 3	12 ≏ 14	13 8 25	13 る 19	F 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 l	at
T 1 F 2 S 3	22n58 23 3 23 7	4n 4 0s18 4 46	1 32	24n 9 24 27 24 42	1n 5 1 13 1 21	10 41		24n14 24 11 24 8	1 7	18n21 18 24 18 28	0 s47 0 47 0 47	13 49	1n44 1 44 1 44	8 s11 8 11 8 11	0 47	21n46 21 46 21 46			5 s21 5 21 5 21	5 s51 5 51 5 51	5 26	12n44 12 46 12 47	15 27	7n16 7 16 7 16
S 4 M 5 T 6 W 7 T 8	23 22	9 3 12 53 15 55 17 55 18 40	2 12 3 17 4 10	24 54 25 3 25 10 25 13 25 14	1 27 1 33 1 39 1 43 1 47	11 16 11 28 11 41	2 59 3 2 3 4		1 8 1 8 1 8	18 31 18 34 18 37 18 40 18 43	0 47 0 47 0 47 0 47 0 47	13 44 13 42 13 41	1 44 1 43 1 43 1 43 1 43	8 11 8 11 8 11 8 11 8 11	0 47 0 47 0 47	21 46 21 45 21 45 21 45 21 45	0 30 0 29 0 29 0 29 0 29	18 3 18 3	5 21 5 21 5 21 5 21 5 21	5 51 5 50 5 48 5 45 5 42	5 22 5 21 5 20	12 48 12 50 12 51 12 52 12 54	15 27 15 27 15 27	7 17 7 17 7 17 7 18 7 18
F 9 S 10	23 26 23 28	18 9 16 29	5 1 4 58	25 13 25 8	1 51 1 53	12 7 12 20	3 9 3 11	23 45 23 41	1 8 1 8	18 46 18 49	0 47 0 47	13 37 13 36	1 43 1 43	8 11 8 11	0 47 0 47	21 44 21 44	0 29 0 29	18 3 18 3	5 21 5 21	5 38 5 34	5 17 5 16	12 55 12 56	15 27 15 27	7 18 7 18
S 11 M12 T 13 W14 T 15 F 16 S 17		13 53 10 37 6 56 3 2 0n53 4 41 8 16	4 0 3 12 2 16 1 16 0 12	25 2 24 53 24 42 24 29 24 14 23 57 23 38	1 56 1 56 1 55 1 54 1 53	12 48 13 2 13 16 13 30	3 14 3 15 3 16 3 17 3 18	23 36 23 31 23 26 23 21 23 16 23 10 23 5	1 8 1 8 1 8 1 9	18 52 18 55 18 58 19 1 19 4 19 7 19 10	0 47 0 47 0 47 0 47 0 47	13 32 13 30 13 28 13 26 13 25	1 43 1 43 1 43 1 43 1 43 1 42 1 42	8 11 8 12 8 12 8 12 8 12 8 12 8 12	0 47 0 47 0 47 0 47 0 47	21 44 21 43 21 43 21 43 21 42 21 42	0 29 0 29 0 29 0 29 0 29 0 29 0 29	18 4 18 4 18 4 18 4 18 4	5 21 5 21 5 21 5 21 5 20 5 20 5 20	5 30 5 27 5 26 5 25 5 25 5 25 5 25	5 13 5 12 5 11 5 10 5 8	12 59 13 0 13 2 13 3 13 4	15 27 15 28 15 28 15 28 15 28 15 28 15 28 15 29	7 18 7 19 7 19 7 19 7 19 7 19 7 20
S 18 M19 T 20 W21 T 22 F 23 S 24	23 25 23 22 23 20 23 16 23 13	11 30 14 15 16 27 17 56 18 38 18 27 17 22	2 46 3 35 4 14 4 42 4 58	23 18 22 57 22 34 22 10 21 45 21 19 20 52	1 44 1 39 1 35 1 29 1 24	14 28 14 42 14 57 15 11	3 19 3 19 3 19 3 19 3 19	22 59 22 53 22 47 22 40 22 34 22 27 22 20	1 9 1 9 1 9 1 9	19 13 19 15 19 18 19 21 19 23 19 26 19 29	0 47 0 47 0 47	13 19 13 17 13 15 13 13 13 11	1 42 1 42 1 42 1 42 1 42 1 42 1 42	8 13 8 13 8 13 8 13 8 14 8 14	0 47 0 47 0 47 0 47 0 47	21 42 21 42 21 41 21 41 21 41 21 40 21 40	0 29 0 29 0 29 0 29 0 29 0 29 0 29	18 4 18 4 18 4 18 4 18 5	5 20 5 20 5 20 5 20 5 20 5 20 5 20 5 20	5 24 5 22 5 20 5 16 5 12 5 7 5 2	5 5 5 4 5 2 5 1 5 0	13 8 13 9 13 11 13 12 13 13	15 30	7 20 7 20 7 20 7 20 7 20 7 20 7 20 7 20
S 25 M26 T 27 W28 T 29 F 30	22 59 22 54 22 49 22 42	9 11 5 14 0 57	4 17 3 34 2 39 1 34	20 24 19 55 19 26 18 57 18 27 17n57	1 3 0 55 0 47 0 39	16 23 16 37	3 17 3 16 3 15 3 14	22 14 22 6 21 59 21 52 21 44 21n36	1 9 1 9 1 9	19 31 19 34 19 36 19 39 19 41 19n44	0 47 0 47 0 47 0 47 0 47 0 s47	13 4 13 2 13 0	1 42 1 42 1 42 1 42 1 42 1 n41	8 15 8 15 8 15 8 16 8 16 8 8 17	0 47 0 47 0 47 0 48	21 40 21 39 21 39 21 39 21 39 21 39 21n38	0 29 0 29 0 29 0 29 0 29 0 s29	18 5 18 5 18 5 18 5	5 20 5 20 5 20 5 20 5 20 5 20 5 s20	4 57 4 53 4 50 4 48 4 47 4 s47	4 56 4 55 4 54 4 52	13 16 13 17 13 18 13 19 13 21 13n22	15 31 15 31 15 31 15 32	7 20 7 20 7 20 7 20 7 20 7 21 7n21

Julian Day Number = 2239498.5, Delta T = 07m22s

Ecliptic obliquity = 23°30'43, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°38'28, Lahiri = 15°45'28 Julian Calendar 1 June 1419 == Greg. Calendar 10 June 1419

JULY 1419 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	Ŗ	Day
S 1	19 7 54	16931'02	21 ≏ 46	12 N 28	1 I I 4	299523	1 Ⅱ 32	0 m 33	10°R46	19520	24耳59	12°R 3	12 ≏ 11	13831	13°R16	S 1
S 2	19 11 50	17°28'16	5 M .56	13°42	2° 4	0 Ω 1	1°44	0°39	10) (45	19°22	25° 0	12 <u>♀</u> 2	12° 8	13°38	13 る 12	S 2
M 3	19 15 47	18°25'30	20°18	14°54	3° 5	0°39	1°55	0°45	10°44	19°25	25° 1	12° 0	12° 5	13°45	13° 9	M 3
T 4	19 19 43	19°22'44	4 ₹ 48	16° 3	4° 6	1°17	2° 7	0°52	10°43	19°27	25° 3	11°55	12° 2	13°51	13° 5	T 4
W 5	19 23 40	20°19'59	19°21	17° 9	5° 7	1°56	2°18	0°58	10°42	19°29	25° 4	11°47	11°59	13°58	13° 1	W 5
T 6	19 27 36	21°17'14	3 云 52	18°13	6°8	2°34	2°30	1° 4	10°41	19°31	25° 5	11°37	11°55	14° 5	12°58	T 6
F 7	19 31 33	22°14'30	18°14	19°15	7°10	3°12	2°41	1°11	10°39	19°34	25° 7	11°26	11°52	14°11	12°54	F 7
S 8	19 35 30	23°11'46	2≈20	20°13	8°12	3°50	2°52	1°17	10°38	19°36	25° 8	11°15	11°49	14°18	12°51	S 8
S 9	19 39 26	24° 9'03	16° 6	21° 8	9°14	4°28	3° 4	1°24	10°36	19°38	25° 9	11° 5	11°46	14°25	12°47	S 9
M10	19 43 23	25° 6'21	29°28	22° 1	10°17	5° 6	3°15	1°30	10°35	19°40	25°11	10°57	11°43	14°31	12°44	M10
T 11	19 47 19	26° 3'40	12 米 27	22°50	11°20	5°44	3°26	1°37	10°34	19°42	25°12	10°52	11°39	14°38	12°40	T 11
W12	19 51 16	27° 0'59	25° 3	23°35	12°23	6°22	3°37	1°43	10°32	19°45	25°13	10°49	11°36	14°45	12°37	W12
T 13	19 55 12	27°58'20	7 Υ 20	24°17	13°26	7° 1	3°48	1°50	10°30	19°47	25°14	10°D48	11°33	14°51	12°33	T 13
F 14	19 59 9	28°55'41	19°23	24°56	14°30	7°39	3°58	1°57	10°29	19°49	25°16	10°48	11°30	14°58	12°30	F 14
S 15	20 3 5	29°53'04	1816	25°30	15°34	8°17	4° 9	2° 4	10°27	19°51	25°17	10°R48	11°27	15° 5	12°27	S 15
S 16	20 7 2	0 Ω 50'28	13° 6	26° 0	16°38	8°55	4°19	2°10	10°26	19°54	25°18	10°47	11°24	15°11	12°23	S 16
M17	20 10 59	1°47'54	24°56	26°27	17°42	9°33	4°30	2°17	10°24	19°56	25°19	10°45	11°20	15°18	12°20	M17
T 18	20 14 55	2°45'20	6 II 53	26°48	18°47	10°11	4°40	2°24	10°22	19°58	25°21	10°40	11°17	15°25	12°17	T 18
W19	20 18 52	3°42'48	19° 1	27° 5	19°51	10°49	4°51	2°31	10°20	20° 0	25°22	10°33	11°14	15°31	12°13	W19
T 20	20 22 48	4°40'17	19921	27°18	20°56	11°27	5° 1	2°38	10°19	20° 2	25°23	10°23	11°11	15°38	12°10	T 20
F 21	20 26 45	5°37'47	13°58	27°25	22° 1	12° 6	5°11	2°45	10°17	20° 4	25°24	10°13	11°8	15°45	12° 7	F 21
S 22	20 30 41	6°35'18	26°51	27°R27	23° 7	12°44	5°21	2°52	10°15	20° 7	25°25	10° 2	11° 5	15°51	12° 4	S 22
S 23	20 34 38	7°32'50	10 0 0	27°24	24°12	13°22	5°30	2°59	10°13	20° 9	25°26	9°51	11° 1	15°58	12° 1	S 23
M24	20 38 34	8°30'24	23°23	27°15	25°18	14° 0	5°40	3° 6	10°11	20°11	25°28	9°43	10°58	16° 5	11°58	M24
T 25	20 42 31	9°27'58	6 m 59	27° 1	26°24	14°38	5°50	3°13	10° 9	20°13	25°29	9°36	10°55	16°11	11°55	T 25
W26	20 46 28	10°25'34	20°44	26°42	27°30	15°16	5°59	3°20	10° 7	20°15	25°30	9°32	10°52	16°18	11°52	W26
T 27	20 50 24	11°23'10	4 ₾ 38	26°17	28°36	15°54	6° 8	3°27	10° 5	20°17	25°31	9°D31	10°49	16°25	11°49	T 27
F 28	20 54 21	12°20'48	18°38	25°47	29°43	16°33	6°18	3°35	10° 3	20°19	25°32	9°31	10°45	16°31	11°46	F 28
S 29	20 58 17	13°18'26	2 M 42	25°12	0950	17°11	6°27	3°42	10° 1	20°21	25°33	9°32	10°42	16°38	11°43	S 29
S 30	21 2 14	14°16'06	16°51	24°33	1°56	17°49	6°36	3°49	9°59	20°24	25°34	9°R32	10°39	16°45	11°40	S 30
M31	21 6 10	15 Ω 13'46	1 √ 2	23 N 49	3 95 3	18 Ω 27	6∐45	3 m 56	9) 57	209526	25 Ⅱ 35	9 ≏ 31	10 ≏ 36	16851	11 る 37	M31

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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
S 1	22n29	7 s43	0n51	17n26	0n20	17n19	3 s11	21n28	1n 9	19n46	0 s47	12n53	1n41	8 s 1 7	0 s48	21n38	0 s29	18n 5	5 s20	4 s47	4 s 5 0	13n23	15 s32	7n21
S 2	22 22	11 37	2 3	16 56	0 10	17 32	3 10	21 20	1 9	19 49	0 47	12 51	1 41	8 17	0 48	21 38	0 29	18 5	5 20	4 46	4 49	13 24	15 33	7 20
M 3	22 14		-	16 25	0 0		3 8			19 51	0 47	-	1 41	8 18	-	21 37	0 29	18 5	5 20	4 45			15 33	7 20
T 4 W 5	_	17 13	4 1 4 39	15 55	0s10		3 7				0 47		1 41	8 18	-	21 37 21 37	0 29	18 5	5 20	4 43	4 46		15 34 15 34	7 20 7 20
T 6		18 27 18 29		15 24 14 54	0 21 0 32	18 11 18 24	3 5 3		1 9		0 47		1 41 1 41	8 19 8 19		21 37	0 29 0 29	18 5 18 5	5 20 5 20	4 40 4 37	-		15 34	7 20
F 7	-	17 20		14 25	0 43		3 1			20 0	0 47		1 41	8 20		21 36	0 29	18 5	5 20	4 32			15 35	7 20
S 8	21 31			13 55		18 48	2 59	20 29		20 2			1 41	8 20		21 36	0 29	18 5	5 20	4 28			15 35	7 20
S 9	21 21	12 7	4 7	13 26	1 7	19 0	2 57	20 20	1 9	20 4	0 47	12 35	1 41	8 21	0 48	21 36	0 29	18 5	5 20	4 24	4 40	13 33	15 36	7 20
M10	21 11	8 34	3 21	12 58	1 19	19 11	2 54	20 10	1 9	20 6	0 47	12 33	1 41	8 22	0 48	21 35	0 29	18 6	5 20	4 21	4 39	13 34	15 36	7 20
T 11	21 0	4 41			1 31	19 22	2 52			20 8	0 47		1 41	8 22		21 35	0 29	18 6	5 20	4 19			15 36	7 20
W12	20 49	0 43	1 23	12 4	1 43			19 51		20 10	0 47	-	1 41	8 23	-	21 35	0 29	18 6	5 20	4 17		13 37		7 20
T 13 F 14	20 38	3n12		11 39	1 56	-		19 42		20 12	0 47	-	1 41	8 23	-	21 34	0 29	18 6	5 20	4 17		13 38		7 20
S 15	20 26 20 14	6 54		11 14 10 51	2 9 2 21			19 32 19 22		20 14 20 16	0 47	12 23 12 21	1 41 1 41	8 24 8 25		21 34 21 34	0 29 0 29	18 6 18 6	5 20 5 20	4 17 4 17		13 39 13 41		7 19 7 19
S 16 M17	20 2 19 49	13 14 15 37	3 32	10 29 10 8	-	20 12 20 21	2 39 2 36	-		20 18 20 20	0 47 0 47	-	1 41 1 41	8 25 8 26		21 33 21 33	0 29 0 29	18 6 18 6	5 20 5 20	4 17 4 16	4 31		15 39	7 19 7 19
T 18		17 22	4 13					18 51		20 20	0 47	-	1 41	8 27		21 33	0 29	18 6	5 20	4 14	4 29		15 40	7 19
W19		18 22	4 42		3 11	20 38	2 30			20 24	0 47	-	1 41	8 27	0 48		0 29	18 6	5 20	4 11		13 46		7 19
T 20	19 9	18 31	5 0	9 16	3 23	20 45	2 27	18 30	1 9	20 26	0 47	12 8	1 41	8 28	0 48	21 32	0 29	18 6	5 20	4 8	4 26	13 47	15 41	7 18
F 21	18 55	17 46	5 3	9 3		20 53	2 24			20 27	0 47	-	1 41	8 29	0 48	_	0 29	18 6	5 20	4 3		13 48		7 18
S 22	18 41	16 6	4 51	8 52	3 45	20 59	2 21	18 9	1 9	20 29	0 47	12 3	1 41	8 29	0 48	21 31	0 29	18 6	5 20	3 59	4 24	13 49	15 42	7 18
S 23	18 26	13 34	4 23	8 43	3 56	21 6	2 18	17 58	1 9	20 31	0 47	12 0	1 41	8 30	0 48	21 31	0 29	18 6	5 20	3 55	4 22	13 50	15 42	7 18
M24	_	10 18	3 40	8 37	4 6			17 47		20 33	0 47		1 41	8 31		21 31	0 29	18 6	5 20	3 51			15 43	7 17
T 25	17 56	6 26	2 45	8 33				17 36		20 34	0 47		1 41	8 32		21 31	0 29	18 6	5 20	3 49			15 43	7 17
W26 T 27	17 41 17 25	2 10	1 39 0 26	8 32		21 22 21 26	2 8	17 24 17 13		20 36 20 37	0 47		1 41	8 32		21 30	0 29 0 29	18 6	5 20 5 21	3 47			15 44 15 44	7 17 7 17
F 28	17 23	2s15 6 34	0 26 0n49	8 33 8 38		21 20		17 13		20 37	0 47		1 41 1 41	8 33 8 34		21 30 21 30	0 29	18 6 18 6	5 21	3 47			15 44	7 16
S 29		10 33	2 1	8 45		21 33		16 50		20 41		11 45	1 41	8 35		21 29	0 29		5 21	3 47			15 45	7 16
S 30	16 36	13 56	3 6	8 55	4 43	21 36	1 54	16 38	1 9	20 42	0 47	11 42	1 41	8 36	0 48	21 29	0 29	18 6	5 21	3 47	4 14	13 59	15 46	7 16
M31		16s30	-		-	21n38		16n26		20n43		11n39		8 s36		21n29		18n 6	5 s21	3 s47			15 s46	

Julian Day Number = 2239528.5, Delta T = 07m22s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38'32, Lahiri = 15°45'32 Julian Calendar 1 July 1419 == Greg. Calendar 10 July 1419

AUGUST 1419 JC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂ [™]	4	ħ)∤(并	Р	r	v	Ç	Ŷ,	Day
T 1	21 10 7	16 Ω 11'28	15 х 13	23°R 2	49911	19⋒ 5	6 Ⅱ 53	4M) 4	9°R55	209528	25耳36	9°R28	10₾33	16 8 58	11°R35	T 1
W 2	21 14 3	17° 9'10	29°23	22 Ω 13	5°18	19°43	7° 2	4°11	9 米 53	20°30	25°37	9 ₾ 23	10°30	17° 5	11 る 32	W 2
T 3	21 18 0	18° 6'54	13 る 28	21°21	6°25	20°21	7°11	4°18	9°51	20°32	25°38	9°16	10°26	17°11	11°30	T 3
F 4	21 21 57	19° 4'39	27°23	20°29	7°33	21° 0	7°19	4°26	9°48	20°34	25°39	9° 8	10°23	17°18	11°27	F 4
S 5	21 25 53	20° 2'26	11≈ 5	19°36	8°41	21°38	7°27	4°33	9°46	20°36	25°40	8°59	10°20	17°25	11°25	S 5
S 6	21 29 50	21° 0'14	24°32	18°45	9°49	22°16	7°35	4°40	9°44	20°38	25°41	8°52	10°17	17°31	11°22	S 6
M 7	21 33 46	21°58'03	7 ∺ 39	17°56	10°57	22°54	7°43	4°48	9°42	20°40	25°42	8°47	10°14	17°38	11°20	M 7
T 8	21 37 43	22°55'54	20°28	17°10	12° 5	23°32	7°51	4°55	9°40	20°42	25°43	8°43	10°10	17°45	11°17	T 8
W 9	21 41 39	23°53'46	2 Υ 59	16°29	13°13	24°11	7°59	5° 3	9°37	20°44	25°43	8°D41	10° 7	17°51	11°15	W 9
T 10	21 45 36	24°51'40	15°13	15°52	14°22	24°49	8° 6	5°10	9°35	20°45	25°44	8°41	10° 4	17°58	11°13	T 10
F 11	21 49 32	25°49'36	27°15	15°22	15°30	25°27	8°14	5°18	9°33	20°47	25°45	8°42	10° 1	18° 5	11°11	F 11
S 12	21 53 29	26°47'34	98 9	14°59	16°39	26° 5	8°21	5°25	9°30	20°49	25°46	8°44	9°58	18°12	11° 9	S 12
S 13	21 57 26	27°45'34	20°59	14°43	17°48	26°43	8°28	5°32	9°28	20°51	25°47	8°45	9°55	18°18	11° 7	S 13
M14	22 1 22	28°43'35	2 II 51	14°D34	18°57	27°22	8°35	5°40	9°26	20°53	25°48	8°R45	9°51	18°25	11° 5	M14
T 15	22 5 19	29°41'39	14°49	14°35	20° 6	28° 0	8°42	5°47	9°23	20°55	25°48	8°44	9°48	18°32	11° 3	T 15
W16	22 9 15	0 m 39'44	26°59	14°43	21°16	28°38	8°48	5°55	9°21	20°57	25°49	8°41	9°45	18°38	11° 1	W16
T 17	22 13 12	1°37'52	99524	15° 0	22°25	29°16	8°55	6° 3	9°19	20°58	25°50	8°37	9°42	18°45	11° 0	T 17
F 18	22 17 8	2°36'01	22° 7	15°25	23°35	29°55	9° 1	6°10	9°16	21° 0	25°50	8°31	9°39	18°52	10°58	F 18
S 19	22 21 5	3°34'13	5 Ω 11	15°59	24°44	0 m 33	9° 7	6°18	9°14	21° 2	25°51	8°25	9°36	18°58	10°56	S 19
S 20	22 25 1	4°32'26	18°35	16°41	25°54	1°11	9°13	6°25	9°11	21° 4	25°52	8°20	9°32	19° 5	10°55	S 20
M21	22 28 58	5°30'41	2 Mp 18	17°31	27° 4	1°49	9°19	6°33	9° 9	21° 5	25°52	8°15	9°29	19°12	10°53	M21
T 22	22 32 55	6°28'58	16°17	18°29	28°14	2°28	9°25	6°40	9° 7	21° 7	25°53	8°12	9°26	19°18	10°52	T 22
W23	22 36 51	7°27'16	0 <u>ი</u> 29	19°34	29°24	3° 6	9°30	6°48	9° 4	21° 9	25°54	8°11	9°23	19°25	10°51	W23
T 24	22 40 48	8°25'36	14°48	20°45	0 Ω 35	3°44	9°36	6°55	9° 2	21°10	25°54	8°D10	9°20	19°32	10°49	T 24
F 25	22 44 44	9°23'58	29°11	22° 3	1°45	4°23	9°41	7° 3	8°59	21°12	25°55	8°11	9°16	19°38	10°48	F 25
S 26	22 48 41	10°22'22	13 M .33	23°26	2°56	5° 1	9°46	7°10	8°57	21°14	25°55	8°13	9°13	19°45	10°47	S 26
S 27	22 52 37	11°20'47	27°50	24°54	4° 6	5°39	9°51	7°18	8°55	21°15	25°56	8°14	9°10	19°52	10°46	S 27
M28	22 56 34	12°19'14	12 × 2	26°26	5°17	6°18	9°56	7°25	8°52	21°17	25°56	8°R15	9° 7	19°58	10°45	M28
T 29	23 0 30	13°17'42	26° 4	28° 3	6°28	6°56	10° 0	7°33	8°50	21°18	25°57	8°14	9° 4	20° 5	10°44	T 29
W30 T 31	23 4 27 23 8 23	14°16'12 15 m)14'44	9 궁 57 23 궁 39	29°43 1 m 25	7°39 8 Ω 50	7°34 8 m)13	10° 4 10 Ⅱ 9	7°40 7 10 48	8°47 8) €45	21°20 21 © 21	25°57 25 II 58	8°12 8 Ω 10	9° 1 8 2 57	20°12 20 8 18	10°43 10 ~3 43	W30 T 31
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T 1 W 2 T 3	15 44	18 29 5 2	9 42 4 4	42 21 41 1 43	16 2 1 9	20n45 0 s47 20 46 0 47 20 48 0 47	11 34 1 41	8 38 0 48	21n28 0s29 21 28 0 29 21 28 0 29	18 6 5 21	3 s46 3 44 3 41	4 10 14	1 15 s47 7n15 2 15 47 7 15 4 15 48 7 15
F 4 S 5	15 9 14 51			32 21 42 1 36 24 21 42 1 32		20 49 0 47 20 50 0 47	- 1		21 27 0 29 21 27 0 29		3 38 3 34		5 15 48 7 14 5 15 49 7 14
S 6 M 7 T 8 W 9 T 10 F 11 S 12	14 32 14 14 13 55 13 36 13 16 12 57 12 37	6 15 2 40 2 18 1 37 1n40 0 31 5 28 0s35 8 59 1 39	11 39 4 12 6 3 4 12 32 3 3 12 58 3 1 13 22 3	2 21 39 1 25 49 21 37 1 21 35 21 34 1 17 19 21 31 1 14 2 21 27 1 10	15 0 1 8 14 47 1 8 14 35 1 8 14 22 1 8 14 9 1 8	20 54 0 48 20 55 0 48 20 56 0 48	11 21 1 41 11 18 1 41 11 15 1 41 11 12 1 41 11 10 1 41	8 42 0 48 8 43 0 49 8 44 0 49 8 45 0 49 8 46 0 49	21 26 0 29 21 26 0 29 21 26 0 29 21 25 0 29	18 6 5 21 18 6 5 21 18 6 5 21 18 6 5 21 18 6 5 21	3 32 3 29 3 28 3 27 3 27 3 28 3 28	4 4 14 4 4 2 14 9 4 1 14 1	1 15 51 7 12 2 15 52 7 12 3 15 52 7 12
S 12 S 13 M14 T 15 W16 T 17 F 18 S 19	12 17 11 57 11 37 11 16 10 56 10 35	14 41 3 30 16 40 4 12 17 56 4 45 18 24 5 5 18 0 5 11 16 43 5 3	14 8 2 2 14 28 2 14 46 1 4 15 1 1 3 15 14 1 1 15 23 0 5	26 21 18 1 2 8 21 12 0 59 49 21 6 0 55 31 20 59 0 51 13 20 52 0 47 55 20 44 0 44	13 43 1 8 13 29 1 8 13 16 1 8 13 3 1 8 12 49 1 8 12 35 1 7	21 0 0 48 21 1 0 48 21 2 0 48 21 3 0 48 21 4 0 48	11 4 1 41 11 2 1 41 10 59 1 41 10 56 1 41 10 53 1 41 10 51 1 41	8 48 0 49 8 48 0 49 8 49 0 49 8 50 0 49 8 51 0 49 8 52 0 49	21 25 0 29 21 25 0 29 21 24 0 29	18 6 5 21 18 5 5 21 18 5 5 21 18 5 5 22 18 5 5 22 18 5 5 22	3 29 3 29 3 28 3 27 3 25 3 23	3 56 14 13 3 55 14 16 3 55 14 16 3 52 14 19 3 51 14 20 3 50 14 2 3 49 14 23	5 15 53 7 11 5 15 54 7 10 8 15 55 7 10 9 15 55 7 10 9 15 56 7 9 1 15 56 7 9
S 20 M21 T 22 W23 T 24 F 25 S 26	9 52 9 31 9 10 8 48 8 26 8 4 7 42	7 50 3 4 3 38 1 57 0s50 0 42 5 18 0n36 9 28 1 53	15 33 0 15 30 0n1 15 23 0 2 15 12 0 3 14 59 0 4	10 20 6 0 29 24 19 56 0 25 37 19 44 0 22 49 19 32 0 18	11 54 1 7 11 40 1 7 11 26 1 7 11 12 1 7 10 58 1 7	21 6 0 48 21 7 0 48 21 8 0 48 21 9 0 48 21 10 0 48 21 10 0 48 21 11 0 48	10 42 1 41 10 40 1 41 10 37 1 41 10 34 1 41 10 31 1 42	8 55 0 49 8 56 0 49 8 57 0 49 8 58 0 49 8 58 0 49	21 23 0 29 21 23 0 29 21 22 0 29 21 21 0 29	18 5 5 22 18 5 5 22 18 5 5 22 18 5 5 22 18 5 5 22	3 17 3 16 3 15 3 15 3 16	3 47 14 22 3 46 14 24 3 45 14 26 3 44 14 22 3 42 14 23 3 41 14 22 3 40 14 36	4 15 58 7 7 5 15 58 7 7 7 15 59 7 6 8 16 0 7 6 9 16 0 7 5
S 27 M28 T 29 W30 T 31	6 58 6 35 6 13	17 38 4 42 18 20 5 7 17 55 5 14		18 18 53 0 7 26 18 39 0 4	10 15 1 6 10 1 1 6 9 47 1 6	21 12 0 49 21 13 0 49 21 14 0 49	10 20 1 42	9 1 0 49 9 2 0 49 9 3 0 49	21 21 0 29 21 21 0 29 21 21 0 29 21 21 0 29 21 20 0 29 21n20 0 s29	18 5 5 22 18 5 5 22 18 5 5 22	3 17 3 17 3 17 3 16 3 s15	3 39 14 3 3 37 14 32 3 36 14 33 3 35 14 33 3 s34 14n36	2 16 2 7 4 3 16 2 7 4 5 16 3 7 3

Julian Day Number = 2239559.5, Delta T = 07m21s

Ecliptic obliquity = $23^{\circ}30'44$, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38'36, Lahiri = 15°45'36 Julian Calendar 1 Aug. 1419 == Greg. Calendar 10 Aug. 1419

SEPTEMBER 1419 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	u	Ω	Ç	ę,	Day
F 1	23 12 20	16 m 13'17	7≈ 9	3 mp 10	10 Ω 1	8 m 51	10 I I3	7 m 55	8°R43	219523	25耳58	8°R 7	8 ≏ 54	20825	10°R42	F 1
S 2	23 16 17	17°11'53	20°25	4°57	11°12	9°29	10°16	8° 3	8) (40	21°24	25°58	8 요 4	8°51	20°32	10 ਰ 41	S 2
S	23 20 13	18°10'29	3 ¥ 27	6°45	12°23	10° 8	10°20	8°10	8°38	21°26	25°59	8° 1	8°48	20°38	10°41	S 3
M 4	23 24 10	19° 9'08	16°15	8°35	13°35	10°46	10°23	8°18	8°36	21°27	25°59	7°59	8°45	20°45	10°40	M 4
T 5	23 28 6	20° 7'49	28°49	10°25	14°46	11°25	10°27	8°25	8°33	21°28	25°59	7°58	8°42	20°52	10°40	T 5
W 6	23 32 3	21° 6'32	11Υ 9	12°15	15°58	12° 3	10°30	8°33	8°31	21°30	26° 0	7°D57	8°38	20°58	10°40	W 6
T 7	23 35 59	22° 5'16	23°17	14° 6	17°10	12°41	10°33	8°40	8°29	21°31	26° 0	7°58	8°35	21° 5	10°40	T 7
F 8	23 39 56	23° 4'03	5816	15°57	18°21	13°20	10°35	8°47	8°26	21°32	26° 0	7°59	8°32	21°12	10°40	F 8
S 9	23 43 52	24° 2'53	17° 9	17°47	19°33	13°58	10°38	8°55	8°24	21°34	26° 0	8° 0	8°29	21°18	10°D39	S 9
S 10	23 47 49	25° 1'44	28°58	19°38	20°45	14°37	10°40	9° 2	8°22	21°35	26° 1	8° 2	8°26	21°25	10°40	S 10
M11	23 51 46	26° 0'38	10 Ⅱ 50	21°28	21°57	15°15	10°42	9°10	8°19	21°36	26° 1	8° 3	8°22	21°32	10°40	M11
T 12	23 55 42	26°59'34	22°47	23°17	23°10	15°54	10°44	9°17	8°17	21°37	26° 1	8°R 3	8°19	21°39	10°40	T 12
W13	23 59 39	27°58'33	4955	25° 5	24°22	16°32	10°46	9°24	8°15	21°38	26° 1	8° 3	8°16	21°45	10°40	W13
T 14	0 3 35	28°57'33	17°19	26°53	25°34	17°11	10°47	9°31	8°13	21°39	26° 1	8° 2	8°13	21°52	10°40	T 14
F 15	0 7 32	29°56'37	0Ω 1	28°41	26°47	17°50	10°49	9°39	8°11	21°40	26° 1	8° 2	8°10	21°59	10°41	F 15
S 16	0 11 28	0 ≏ 55'42	13° 7	0 ჲ 27	27°59	18°28	10°50	9°46	8° 8	21°41	26° 1	8° 1	8° 7	22° 5	10°41	S 16
S 17	0 15 25	1°54'50	26°36	2°13	29°12	19° 7	10°51	9°53	8° 6	21°42	26° 1	8° 0	8° 3	22°12	10°42	S 17
M18	0 19 21	2°53'59	10 m 30	3°58	0 m 24	19°45	10°52	10° 0	8° 4	21°43	26°R 1	7°59	8° 0	22°19	10°43	M18
T 19	0 23 18	3°53'11	24°46	5°42	1°37	20°24	10°52	10° 7	8° 2	21°44	26° 1	7°59	7°57	22°25	10°43	T 19
W20	0 27 15	4°52'25	9 ॒ 20	7°25	2°50	21° 3	10°52	10°14	8° 0	21°45	26° 1	7°D59	7°54	22°32	10°44	W20
T 21	0 31 11	5°51'42	24° 5	9° 8	4° 3	21°41	10°R53	10°22	7°58	21°46	26° 1	7°59	7°51	22°39	10°45	T 21
F 22	0 35 8	6°51'00	8 M .55	10°50	5°16	22°20	10°52	10°29	7°56	21°47	26° 1	7°59	7°47	22°45	10°46	F 22
S 23	0 39 4	7°50'20	23°41	12°31	6°29	22°59	10°52	10°36	7°54	21°48	26° 1	7°R59	7°44	22°52	10°47	S 23
S 24	0 43 1	8°49'42	8 ∡ 19	14°11	7°42	23°37	10°52	10°43	7°52	21°49	26° 1	7°59	7°41	22°59	10°48	S 24
M25	0 46 57	9°49'06	22°42	15°50	8°55	24°16	10°51	10°49	7°50	21°49	26° 1	7°59	7°38	23° 5	10°49	M25
T 26	0 50 54	10°48'31	6 ප 47	17°29	10° 8	24°55	10°50	10°56	7°48	21°50	26° 1	7°D59	7°35	23°12	10°51	T 26
W27	0 54 50	11°47'59	20°35	19° 7	11°22	25°33	10°49	11° 3	7°46	21°51	26° 0	7°59	7°32	23°19	10°52	W27
T 28	0 58 47	12°47'28	4≈ 3	20°44	12°35	26°12	10°48	11°10	7°44	21°51	26° 0	7°59	7°28	23°25	10°53	T 28
F 29	1 2 43	13°46'59	17°14	22°21	13°49	26°51	10°46	11°17	7°43	21°52	26° 0	8° 0	7°25	23°32	10°55	F 29
S 30	1 6 40	14 º 46'31	0 ∺ 9	23 ≏ 57	15Mp 2	27 m 30	10 Ⅱ 45	11 m 24	7) (41	21953	26耳 0	8 亚 0	7 ≏ 22	23 8 39	10 궁 56	S 30

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F 1	5n27	14s 6	4n35	11n58	1n42	17n54	0n 6	9n17	1n	5 21r	115	0 s49	10n12	1n42	9s 5	0 s49	21n20	0 s29	18n 5	5 s23	3 s14	3 s32	14n37	16s 4	7n 2
S 2	5 4	11 3	3 53	11 22	1 46	17 37	0 10	9 3	1	5 21	15	0 49	10 9	1 42	9 6	0 49	21 20	0 29	18 5	5 23	3 12	3 31	14 38	16 5	7 2
S 3	4 41	7 29	2 59	10 44	1 48	17 21	0 13	8 48	1 :	5 21	16	0 49	10 7	1 42	9 6	0 49	21 20	0 29	18 5	5 23	3 11	3 30	14 39	16 5	7 1
M 4	4 18	3 39	1 57	10 4	1 50	17 3	0 16	8 33	1 :	5 21	16	0 49	10 4	1 42	9 7	0 49	21 19	0 29	18 4	5 23	3 10	3 29	14 40	16 6	7 1
T 5	3 55	0n18	0 50	9 23	1 51	16 46	0 19	8 19	1 :	21	16	0 49	10 1	1 42	9 8	0 49	21 19	0 29	18 4	5 23	3 10	3 27	14 41	16 6	7 0
W 6	3 32	4 9	0s18	8 41	1 51	16 28	0 23	8 4	1 :	5 21	17	0 49	9 58	1 43	9 9	0 49	21 19	0 29	18 4	5 23	3 10	3 26	14 42	16 7	7 0
T 7	3 9	7 47	1 24	7 58	1 50	16 9	0 26	7 49	1 :	5 21	17	0 49	9 56	1 43	9 10	0 49	21 19	0 29	18 4	5 23	3 10	3 25	14 43	16 7	6 59
F 8	2 46	11 2	2 26	7 14	1 49	15 50	0 29	7 34	1 :	5 21	18	0 49	9 53	1 43	9 11	0 49	21 18	0 29	18 4	5 23	3 11	3 24	14 45	16 8	6 59
S 9	2 22	13 48	3 20	6 29	1 47	15 30	0 32	7 19	1 :	5 21	18	0 49	9 50	1 43	9 12	0 49	21 18	0 29	18 4	5 23	3 11	3 22	14 46	16 8	6 58
S 10	1 59	15 59	4 7	5 43	1 44	15 10	0 35	7 4	1 -	1 21	18	0 49	9 48	1 43	9 13	0 49	21 18	0 29	18 4	5 23	3 12	3 21	14 47	16 9	6 58
M11	1 35	17 29	4 42	4 57	1 41	14 50	0 38	6 49	1 -	1 21	18	0 49	9 45	1 43	9 13	0 48	21 18	0 29	18 4	5 23	3 12	3 20	14 48	16 9	6 57
T 12	1 12	18 13	5 6	4 11	1 38	14 29	0 40	6 34	1 -	1 21	19	0 49	9 42	1 43	9 14	0 48	21 18	0 29	18 4	5 23	3 12	3 19	14 49	16 10	6 57
W13	0 48	18 9	5 17	3 24	1 34	14 7	0 43	6 18	1 -	1 21	19	0 49	9 40	1 43	9 15	0 48	21 18	0 29	18 4	5 23	3 12	3 17	14 50	16 10	6 56
T 14	0 25	17 13	5 13	2 37	1 30	13 45	0 46	6 3	1 -	1 21	19	0 49	9 37	1 43	9 16	0 48	21 17	0 29	18 4	5 23	3 12	3 16	14 51	16 11	6 56
F 15	0 1	15 25	4 54	1 50	1 26	13 23	0 49	5 48	1	3 21	19	0 49	9 34	1 43	9 17	0 48	21 17	0 29	18 4	5 24	3 12	3 15	14 52	16 11	6 55
S 16	0 s 22	12 47	4 20	1 3	1 21	13 1	0 51	5 33	1 :	3 21	19	0 50	9 32	1 44	9 17	0 48	21 17	0 29	18 4	5 24	3 11	3 14	14 53	16 12	6 55
S 17	0 46	9 23	3 30	0 16	1 15	12 38	0 54	5 17	1	3 21	19	0 50	9 29	1 44	9 18	0 48	21 17	0 29	18 4	5 24	3 11	3 12	14 54	16 12	6 54
M18	1 9	5 23	2 27	0s31	1 10	12 14	0 56	5 2	1 :	3 21	19	0 50	9 26	1 44	9 19	0 48	21 17	0 29	18 3	5 24	3 11	3 11	14 55	16 13	6 53
T 19	1 33	0 58	1 13	1 17	1 4	11 51	0 59	4 47	1 :	3 21	19	0 50	9 24	1 44	9 20	0 48	21 17	0 29	18 3	5 24	3 11	3 10	14 56	16 13	6 53
W20	1 57	3 s 3 6	0n 8	2 3	0 59	11 27	1 1	4 31	1	3 21	19	0 50	9 21	1 44	9 21	0 48	21 16	0 29	18 3	5 24	3 11	3 9	14 57	16 13	6 52
T 21	2 20	8 0	1 28	2 50	0 53	11 2	1 3	4 16	1 :	2 21	19	0 50	9 19	1 44	9 21	0 48	21 16	0 29	18 3	5 24	3 11	3 7	14 59	16 14	6 52
F 22	2 44	11 56	2 44	3 35	0 46	10 38	1 6	4 0	1 :	2 21	19	0 50	9 16	1 44	9 22	0 48	21 16	0 29	18 3	5 24	3 11	3 6	15 0	16 14	6 51
S 23	3 7	15 5	3 48	4 21	0 40	10 13	1 8	3 45	1	2 21	19	0 50	9 14	1 44	9 23	0 48	21 16	0 29	18 3	5 24	3 11	3 5	15 1	16 15	6 51
S 24	3 31	17 13	4 36	5 6	0 34	9 47	1 10	3 29	1 :	2 21	19	0 50	9 11	1 45	9 23	0 48	21 16	0 29	18 3	5 24	3 11	3 3	15 2	16 15	6 50
M25	3 54	18 13	5 6	5 50	0 27	9 22	1 12	3 14	1 :	2 21	19	0 50	9 9	1 45	9 24	0 48	21 16	0 29	18 3	5 24	3 11	3 2	15 3	16 16	6 50
T 26	4 17	18 3	5 18	6 34	0 20	8 56	1 14	2 58	1	1 21	19	0 50	9 6	1 45	9 25	0 48	21 16	0 29	18 3	5 24	3 11	3 1	15 4	16 16	6 49
W27	4 41	16 49	5 10	7 18	0 14	8 29	1 16	2 42	1	1 21	19	0 50	9 4	1 45	9 26	0 48	21 15	0 29	18 3	5 24	3 11	3 0	15 5	16 16	6 49
T 28	5 4	14 41	4 45	8 1	0 7	8 3	1 17	2 27	1	1 21	18	0 50	9 1	1 45	9 26	0 48	21 15	0 29	18 3	5 24	3 11	2 58	15 6	16 17	6 48
F 29	5 27	11 48	4 6	8 44	0 0	7 36	1 19	2 11	1	1 21	18	0 50	8 59	1 45	9 27	0 48	21 15	0 29	18 3	5 25	3 11	2 57	15 7	16 17	6 48
S 30	5 s 5 0	8 s24	3n15	9 s 2 6	0s 7	7n 9	1n21	1n55	ln (21r	18	0 s 5 0	8n56	1n45	9 s27	0 s48	21n15	0 s29	18n 3	5 s25	3 s11	2 s 5 6	15n 8	16s18	6n47

Julian Day Number = 2239590.5, Delta T = 07m21s

Ecliptic obliquity = 23°30'44, Nutation = 0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°38'40, Lahiri = 15°45'41 Julian Calendar 1 Sept. 1419 == Greg. Calendar 10 Sept. 1419

OCTOBER 1419 JC 00:00 UT

00.0	DEN I	113 00													00.0	0 0 1
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	В	n	S	Ç	ķ	Day
S 1	1 10 37	15 ≏ 46'06	12) (49	25 ₽ 32	16 M)16	28Mp 8	10°R43	11 m y30	7°R39	21953	25°R59	8 亞 1	7 ₽ 19	23846	10 궁 58	S 1
M 2	1 14 33	16°45'42	25°18	27° 7	17°29	28°47	10 Ⅱ 41	11°37	7) (37	21°54	25耳59	8° 2	7°16	23°52	11° 0	M 2
T 3	1 18 30	17°45'20	7 Ƴ 35	28°41	18°43	29°26	10°38	11°43	7°36	21°54	25°59	8°R 2	7°13	23°59	11° 2	T 3
W 4	1 22 26	18°45'00	19°43	0 M .15	19°57	0 º 5	10°36	11°50	7°34	21°55	25°58	8° 2	7° 9	24° 6	11° 3	W 4
T 5	1 26 23	19°44'43	1 8 43	1°47	21°10	0°44	10°33	11°57	7°33	21°55	25°58	8° 1	7° 6	24°12	11° 5	T 5
F 6	1 30 19	20°44'27	13°37	3°20	22°24	1°22	10°30	12° 3	7°31	21°56	25°58	7°59	7° 3	24°19	11° 7	F 6
S 7	1 34 16	21°44'14	25°28	4°51	23°38	2° 1	10°27	12° 9	7°29	21°56	25°57	7°57	7° 0	24°26	11° 9	S 7
S 8	1 38 12	22°44'02	7 Ⅱ 18	6°23	24°52	2°40	10°24	12°16	7°28	21°56	25°57	7°55	6°57	24°32	11°12	S 8
M 9	1 42 9	23°43'53	19°10	7°53	26° 6	3°19	10°21	12°22	7°27	21°57	25°56	7°53	6°53	24°39	11°14	M 9
T 10	1 46 6	24°43'46	195 6	9°23	27°20	3°58	10°17	12°28	7°25	21°57	25°56	7°51	6°50	24°46	11°16	T 10
W11	1 50 2	25°43'41	13°12	10°53	28°34	4°37	10°13	12°35	7°24	21°57	25°55	7°49	6°47	24°52	11°18	W11
T 12	1 53 59	26°43'39	25°32	12°22	29°49	5°16	10° 9	12°41	7°22	21°57	25°55	7°D49	6°44	24°59	11°21	T 12
F 13	1 57 55	27°43'38	8 N 9	13°50	1 ♀ 3	5°55	10° 5	12°47	7°21	21°57	25°54	7°49	6°41	25° 6	11°23	F 13
S 14	2 1 52	28°43'40	21° 8	15°18	2°17	6°34	10° 1	12°53	7°20	21°57	25°54	7°50	6°38	25°12	11°26	S 14
S 15	2 5 48	29°43'44	4 m 33	16°45	3°31	7°13	9°56	12°59	7°19	21°58	25°53	7°52	6°34	25°19	11°29	S 15
M16	2 9 45	0 M .43'50	18°24	18°12	4°46	7°52	9°51	13° 5	7°18	21°58	25°53	7°53	6°31	25°26	11°31	M16
T 17	2 13 41	1°43'59	2 ≏ 43	19°37	6° 0	8°31	9°46	13°10	7°16	21°R58	25°52	7°R54	6°28	25°33	11°34	T 17
W18	2 17 38	2°44'09	17°25	21° 3	7°15	9°10	9°41	13°16	7°15	21°58	25°51	7°54	6°25	25°39	11°37	W18
T 19	2 21 35	3°44'21	2M26	22°27	8°29	9°49	9°36	13°22	7°14	21°58	25°51	7°52	6°22	25°46	11°40	T 19
F 20	2 25 31	4°44'35	17°36	23°51	9°44	10°28	9°31	13°28	7°13	21°57	25°50	7°50	6°18	25°53	11°43	F 20
S 21	2 29 28	5°44'51	2 √ 46	25°14	10°58	11° 7	9°25	13°33	7°12	21°57	25°49	7°46	6°15	25°59	11°46	S 21
S 22	2 33 24	6°45'08	17°46	26°36	12°13	11°47	9°19	13°39	7°12	21°57	25°48	7°42	6°12	26° 6	11°49	S 22
M23	2 37 21	7°45'27	2 る 28	27°57	13°28	12°26	9°13	13°44	7°11	21°57	25°48	7°38	6° 9	26°13	11°52	M23
T 24	2 41 17	8°45'48	16°47	29°17	14°42	13° 5	9° 7	13°50	7°10	21°57	25°47	7°35	6° 6	26°19	11°55	T 24
W25	2 45 14	9°46'10	0≈40	0 х 36	15°57	13°44	9° 1	13°55	7° 9	21°57	25°46	7°33	6° 3	26°26	11°59	W25
T 26	2 49 10	10°46'33	14° 7	1°53	17°12	14°23	8°55	14° 0	7° 9	21°56	25°45	7°D33	5°59	26°33	12° 2	T 26
F 27	2 53 7	11°46'58	27°10	3° 9	18°27	15° 2	8°48	14° 5	7° 8	21°56	25°45	7°33	5°56	26°39	12° 5	F 27
S 28	2 57 4	12°47'24	9 ∺ 53	4°24	19°41	15°42	8°42	14°10	7° 7	21°56	25°44	7°35	5°53	26°46	12° 9	S 28
S 29	3 1 0	13°47'51	22°19	5°36	20°56	16°21	8°35	14°15	7° 7	21°55	25°43	7°37	5°50	26°53	12°12	S 29
M30	3 4 57	14°48'20	4 Υ 33	6°47	22°11	17° 0	8°28	14°20	7° 6	21°55	25°42	7°R38	5°47	26°59	12°16	M30
T 31	3 8 53	15 M 48'50	16 Ƴ 37	7 . ₹55	23 ≏ 26	17 ≏ 40	8 Ⅲ 21	14 m 25	7 ∺ 6	219554	25 Ⅱ 41	7 ≏ 37	5 ₽ 44	27 8 6	12 る 20	T 31

Day	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	n	Ω	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
S 1	6 s 1 3		10s 7 0s14		-	21n18 0s50	8n54 1n46		21n15 0s29		3 s11		15n 9	
M 2	6 36		10 48 0 21	6 15 1 24		21 17 0 50	8 51 1 46		21 15 0 29		3 12		15 10	
T 3	6 59	3n 3 0 3			-	21 17 0 50	8 49 1 46		21 15 0 29		3 12	-	15 11	
W 4	7 22	6 44 1s 4				21 17 0 50	8 47 1 46				3 12		15 12	
T 5		10 7 2 8		4 51 1 28		21 16 0 50	8 44 1 46		21 15 0 29		3 11			
F 6		13 2 3 5				21 16 0 50	8 42 1 46		21 15 0 29		3 11		15 14	
S 7	8 30	15 24 3 53	14 2 0 54	3 55 1 30	0 6 0 59	21 15 0 50	8 40 1 47	9 32 0 48	21 15 0 29	18 2 5 25	3 10	2 47	15 15	16 20 6 44
S 8	8 52	17 7 4 32	14 39 1 1	3 26 1 31	0s10 0 59	21 15 0 50	8 37 1 47	9 32 0 48	21 15 0 29	18 2 5 25	3 9	2 46	15 16	16 20 6 43
M 9	9 14	18 6 4 59	15 15 1 7	2 58 1 32	0 26 0 58	21 14 0 50	8 35 1 47	9 33 0 48	21 14 0 29	18 2 5 25	3 8	2 45	15 17	16 21 6 43
T 10	9 36	18 17 5 14	15 50 1 14	2 29 1 33	0 42 0 58	21 14 0 50	8 33 1 47	9 33 0 48	21 14 0 29	18 2 5 25	3 7	2 43	15 18	16 21 6 42
W11	9 58	17 38 5 14	16 24 1 20	2 0 1 34	0 57 0 58	21 13 0 50	8 31 1 47	9 34 0 48	21 14 0 29	18 2 5 25	3 7	2 42	15 19	16 21 6 42
T 12	10 20	16 10 5 1	16 58 1 26	1 31 1 35	1 13 0 57	21 13 0 50	8 29 1 47	9 34 0 48	21 14 0 29	18 2 5 25	3 7	2 41	15 20	16 21 6 42
F 13	10 42	13 53 4 33	17 30 1 32	1 2 1 35	1 29 0 57	21 12 0 50	8 26 1 48	9 34 0 48	21 14 0 29	18 2 5 25	3 7	2 40	15 21	16 22 6 41
S 14	11 3	10 52 3 50	18 2 1 38	0 33 1 36	1 45 0 57	21 11 0 50	8 24 1 48	9 35 0 48	21 14 0 29	18 2 5 25	3 7	2 38	15 22	16 22 6 41
S 15	11 25	7 11 2 54	18 33 1 44	0 4 1 36	2 0 0 57	21 11 0 50	8 22 1 48	9 35 0 48	21 14 0 29	18 1 5 26	3 8	2 37	15 23	16 22 6 40
M16	11 46	2 59 1 45	19 3 1 50	0s25 1 37	2 16 0 56	21 10 0 50	8 20 1 48	9 36 0 48	21 14 0 29	18 1 5 26	3 8	2 36	15 24	16 22 6 40
T 17	12 7	1s31 0 29	19 32 1 55	0 54 1 37	2 32 0 56	21 9 0 50	8 18 1 48	9 36 0 48	21 14 0 29	18 1 5 26	3 9	2 35	15 25	16 23 6 39
W18	12 28	6 3 0n52	20 0 2 0	1 24 1 37	2 47 0 56	21 9 0 50	8 16 1 49	9 36 0 48	21 14 0 29	18 1 5 26	3 9	2 33	15 26	16 23 6 39
T 19	12 48	10 18 2 11	20 27 2 5	1 53 1 38	3 3 0 56	21 8 0 50	8 14 1 49	9 37 0 48	21 14 0 29	18 1 5 26	3 8	2 32	15 27	16 23 6 38
F 20	13 8	13 55 3 21	20 53 2 10	2 22 1 38	3 19 0 55	21 7 0 50	8 12 1 49	9 37 0 47	21 14 0 29	18 1 5 26	3 7	2 31	15 28	16 23 6 38
S 21	13 29	16 34 4 17	21 18 2 14	2 51 1 38	3 34 0 55	21 6 0 50	8 10 1 49	9 37 0 47	21 14 0 29	18 1 5 26	3 5	2 29	15 29	16 23 6 37
S 22	13 49	18 4 4 55	21 42 2 18	3 21 1 38	3 50 0 55	21 5 0 50	8 8 1 49	9 38 0 47	21 14 0 29	18 1 5 26	3 4	2 28	15 30	16 24 6 37
M23	14 8	18 18 5 12	22 4 2 22	3 50 1 38	4 5 0 54	21 5 0 50	8 6 1 50	9 38 0 47	21 14 0 29	18 1 5 26	3 2	2 27	15 31	16 24 6 37
T 24	14 28	17 20 5 9	22 26 2 26	4 19 1 38	4 21 0 54	21 4 0 50	8 4 1 50	9 38 0 47	21 14 0 29	18 1 5 26	3 1	2 26	15 32	16 24 6 36
W25	14 47	15 23 4 48	22 46 2 29	4 48 1 37	4 37 0 54	21 3 0 50	8 2 1 50	9 39 0 47	21 14 0 29	18 1 5 26	3 0	2 24	15 33	16 24 6 36
T 26	15 6	12 37 4 12	23 4 2 31	5 17 1 37	4 52 0 53	21 2 0 50	8 0 1 50	9 39 0 47	21 14 0 29	18 1 5 26	3 0	2 23	15 34	16 24 6 35
F 27	15 25	9 19 3 23	23 22 2 34	5 46 1 37	5 8 0 53	21 1 0 50	7 59 1 50	9 39 0 47	21 14 0 29	18 1 5 26	3 0	2 22	15 35	16 24 6 35
S 28	15 43	5 38 2 26	23 38 2 36	6 15 1 36	5 23 0 53	21 0 0 50	7 57 1 51	9 39 0 47	21 15 0 29	18 1 5 26	3 1	2 21	15 36	16 24 6 35
S 29	16 2	1 47 1 23	23 53 2 37	6 43 1 36	5 38 0 52	20 59 0 50	7 55 1 51	9 39 0 47	21 15 0 29	18 1 5 26	3 2	2 19	15 37	16 24 6 34
M30	16 20	2n 4 0 17	24 6 2 38	7 12 1 35	5 54 0 52	20 58 0 50	7 53 1 51	9 39 0 47	21 15 0 29	18 0 5 26	3 2	2 18	15 38	16 25 6 34
T 31	16 s37	5n48 0s49	24s17 2s38	7 s40 1n34	6s 9 0n52	20n57 0s50	7n52 1n51	9 s40 0 s47	21n15 0s29	18n 0 5s26	3 s 2	2 s 1 7	15n39	16 s 25 6 n 3 3

Julian Day Number = 2239620.5, Delta T = 07m21s

Ecliptic obliquity = $23^{\circ}30'44$, Nutation = $0^{\circ}00'02$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°38'44, Lahiri = 15°45'45 Julian Calendar 1 Oct. 1419 == Greg. Calendar 10 Oct. 1419

NOVEMBER 1419 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	u	Ω	Ç	Ŷ,	Day
W 1	3 12 50	16M49'22	28 Y 35	9 .7 0	24 <u>₽</u> 41	18 ₾ 19	8°R14	14 m 30	7°R 5	21°R54	25°R40	7°R35	5 Ω 40	27813	12石23	W 1
T 2	3 16 46	17°49'55	10828	10° 2	25°56	18°58	8 I 7	14°35	7) 5	21953	25Ⅲ39	7 ≏ 31	5°37	27°20	12°27	T 2
F 3	3 20 43	18°50'30	22°19	11° 1	27°11	19°37	8° 0	14°39	7° 5	21°53	25°39	7°25	5°34	27°26	12°31	F 3
S 4	3 24 39	19°51'06	4 Ⅱ 10	11°56	28°26	20°17	7°52	14°44	7° 5	21°52	25°38	7°17	5°31	27°33	12°35	S 4
S 5	3 28 36	20°51'44	16° 2	12°47	29°41	20°56	7°45	14°48	7° 4	21°52	25°37	7° 8	5°28	27°40	12°39	S 5
M 6	3 32 32	21°52'23	27°57	13°33	OM 56	21°36	7°37	14°53	7° 4	21°51	25°36	6°59	5°24	27°46	12°42	M 6
T 7	3 36 29	22°53'04	9957	14°13	2°11	22°15	7°30	14°57	7° 4	21°50	25°35	6°51	5°21	27°53	12°46	T 7
W 8	3 40 26	23°53'47	22° 4	14°47	3°26	22°54	7°22	15° 1	7°D 4	21°50	25°34	6°45	5°18	28° 0	12°51	W 8
T 9	3 44 22	24°54'31	4 Ω 23	15°13	4°41	23°34	7°14	15° 5	7° 4	21°49	25°33	6°40	5°15	28° 6	12°55	T 9
F 10	3 48 19	25°55'16	16°56	15°32	5°56	24°13	7° 6	15° 9	7° 4	21°48	25°32	6°38	5°12	28°13	12°59	F 10
S 11	3 52 15	26°56'03	29°48	15°43	7°12	24°53	6°58	15°13	7° 4	21°47	25°31	6°D38	5° 9	28°20	13° 3	S 11
S 12	3 56 12	27°56'52	13 mg 3	15°R43	8°27	25°32	6°50	15°17	7° 5	21°46	25°30	6°38	5° 5	28°27	13° 7	S 12
M13	4 0 8	28°57'42	26°43	15°34	9°42	26°12	6°42	15°21	7° 5	21°46	25°29	6°39	5° 2	28°33	13°12	M13
T 14	4 4 5	29°58'34	10 ≏ 50	15°14	10°57	26°52	6°34	15°24	7° 5	21°45	25°28	6°R40	4°59	28°40	13°16	T 14
W15	4 8 1	0 ∡ 59'27	25°25	14°43	12°12	27°31	6°26	15°28	7° 5	21°44	25°26	6°38	4°56	28°47	13°20	W15
T 16	4 11 58	2° 0'22	10ML23	14° 1	13°28	28°11	6°18	15°31	7° 6	21°43	25°25	6°34	4°53	28°53	13°25	T 16
F 17	4 15 55	3° 1'17	25°36	13° 8	14°43	28°50	6°10	15°35	7° 6	21°42	25°24	6°28	4°50	29° 0	13°29	F 17
S 18	4 19 51	4° 2'14	10 ∡ 756	12° 5	15°58	29°30	6° 2	15°38	7° 7	21°41	25°23	6°19	4°46	29° 7	13°34	S 18
S 19	4 23 48	5° 3'12	26°11	10°54	17°14	0 M .10	5°53	15°41	7° 7	21°40	25°22	6°10	4°43	29°13	13°38	S 19
M20	4 27 44	6° 4'11	11 る 9	9°37	18°29	0°49	5°45	15°44	7° 8	21°39	25°21	6° 1	4°40	29°20	13°43	M20
T 21	4 31 41	7° 5'11	25°43	8°15	19°44	1°29	5°37	15°47	7° 8	21°38	25°20	5°53	4°37	29°27	13°47	T 21
W22	4 35 37	8° 6'11	9≈47	6°52	20°59	2° 9	5°29	15°50	7° 9	21°37	25°19	5°47	4°34	29°33	13°52	W22
T 23	4 39 34	9° 7'12	23°22	5°30	22°15	2°48	5°21	15°53	7°10	21°35	25°17	5°44	4°30	29°40	13°57	T 23
F 24	4 43 31	10° 8'14	6 ∺ 28	4°13	23°30	3°28	5°13	15°56	7°11	21°34	25°16	5°D42	4°27	29°47	14° 2	F 24
S 25	4 47 27	11° 9'16	19°10	3° 2	24°46	4° 8	5° 5	15°58	7°11	21°33	25°15	5°43	4°24	29°54	14° 6	S 25
S 26	4 51 24	12°10'18	1 Y 32	2° 0	26° 1	4°48	4°56	16° 1	7°12	21°32	25°14	5°R43	4°21	0 II 0	14°11	S 26
M27	4 55 20	13°11'21	13°39	1° 8	27°16	5°27	4°48	16° 3	7°13	21°31	25°13	5°43	4°18	0° 7	14°16	M27
T 28	4 59 17	14°12'25	25°36	0°26	28°32	6° 7	4°40	16° 5	7°14	21°29	25°12	5°41	4°15	0°14	14°21	T 28
W29	5 3 13	15°13'29	7 8 27	29 M 56	29°47	6°47	4°33	16° 8	7°15	21°28	25°10	5°36	4°11	0°20	1 <u>4</u> °26	W29
T 30	5 7 10	16 × 14'33	19 8 17	29 M 37	1 √ 2	7 M 27	4 Ⅱ 25	16 M p10	7 ∺ 16	219527	25 II 9	5 Ω 29	4 º 8	0 Ⅲ 27	14 궁 31	T 30

Day	0	Ş)	ζ		ς	2	ď	7	24	ŀ	ħ)į	ξ(j	ħ	E	2	n	Ω	ţ	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
W 1	16 s55	9n16	1 s52	24 s27	2 s37	8 s 8	1n34	6 s24	0n51	20n56	0 s50	7n50	1n52	9 s40	0 s47	21n15	0 s29	18n 0	5 s 2 6	3 s 1	2 s 1 6	15n40	16 s 25	6n33
T 2	17 12	12 20	2 49	24 36	2 36	8 36	1 33	6 40		20 55	0 50	7 48	1 52	9 40		21 15				2 59		15 41		6 33
F 3	17 29	14 53	3 39	24 42	2 34	9 4	1 32	6 55	0 51	20 54	0 50	7 47	1 52	9 40	0 47	21 15	0 29	18 0	5 26	2 57	2 13	15 42	16 25	6 32
S 4	17 45	16 48	4 19	24 47	2 31	9 32	1 31	7 10	0 50	20 52	0 49	7 45	1 52	9 40	0 47	21 15	0 29	18 0	5 26	2 54	2 12	15 43	16 25	6 32
S 5	18 2	18 1	4 48	24 50	2 28	10 0	1 30	7 25	0 50	20 51	0 49	7 44	1 52	9 40	0 47	21 15	0 29	18 0	5 26	2 50	2 11	15 44	16 25	6 31
M 6	18 17	18 26	5 4	24 52	2 23	10 27	1 29	7 40	0 50	20 50	0 49	7 42	1 53	9 40	0 47	21 15	0 29	18 0	5 26	2 47	2 9	15 45	16 25	6 31
T 7	18 33	18 2	5 7	24 51	2 17	10 54	1 28	7 55	0 49	20 49	0 49	7 41	1 53	9 40	0 47	21 15	0 29	18 0	5 26	2 44	2 8	15 46	16 25	6 31
W 8		16 49	4 57	24 48	2 10	11 21	1 26	8 11		20 48	0 49	7 39	1 53	9 40		21 15		18 0	5 26	2 41		15 47		6 30
T 9	19 3	14 48		24 43			1 25	8 25		20 47	0 49	7 38	1 53	9 40		21 16			5 26	2 39		15 48		6 30
F 10	19 18			24 35			1 24	8 40		20 45	0 49	7 37	1 54	9 40		21 16			5 26	2 38		15 49		6 30
S 11	19 32	8 41	3 5	24 26	1 42	12 39	1 22	8 55	0 48	20 44	0 49	7 35	1 54	9 40	0 47	21 16	0 29	18 0	5 26	2 38	2 3	15 50	16 25	6 29
S 12	19 46	4 47		24 13	-		1 21	9 10		20 43	0 49	7 34	1 54	9 40		21 16	0 29	18 0	5 26	2 39			16 24	6 29
M13	19 59			23 58	-		1 20	9 25		20 42	0 49	7 33	1 54	9 40		21 16			5 26	2 39		15 51	-	6 29
T 14	20 12	3 s 5 7		23 41			1 18	9 39		20 40	0 49	7 32	1 55	9 39		21 16			5 26	2 39		15 52		6 29
W15	20 25	8 19		23 21			1 16	9 54		20 39	0 48	7 31	1 55	9 39		21 16	0 29		5 26	2 39		15 53		6 28
T 16	20 38			22 58			1 15	10 9		20 38	0 48	7 29	1 55	9 39		21 16	0 29		5 26	2 37		15 54	-	6 28
F 17		15 29		22 32				10 23		20 37	0 48	7 28	1 55	9 39		21 17	0 29		5 26	2 34		15 55		6 28
S 18	21 1	17 36	4 36	22 4	0n14	15 32	1 11	10 37	0 45	20 35	0 48	7 27	1 56	9 39	0 46	21 17	0 29	18 0	5 26	2 31	1 54	15 56	16 24	6 27
S 19	21 12	18 28	5 0	21 34	0 35	15 55	1 10	10 52	0 45	20 34	0 48	7 26	1 56	9 38	0 46	21 17	0 29	18 0	5 26	2 27		15 57	_	6 27
M20	21 23		-	21 3			-	11 6		20 33	0 48	7 25	1 56	9 38		21 17			5 26	2 24		15 58		6 27
T 21	_	16 22		20 31	-			11 20		20 31	0 48	7 24	1 56	9 38		21 17			5 26	2 21		15 59		6 27
W22		13 47		19 59	-			11 34		20 30	0 48	7 24	1 57	9 38		21 17			5 26	2 18			16 23	6 26
T 23		10 32	-	19 28				11 49		20 29	0 47	7 23	1 57	9 37		21 18	0 29		5 26	2 17			16 23	6 26
F 24	22 2			18 59				12 2		20 28	0 47	7 22	1 57	9 37		21 18		17 59	5 26	2 16	1 47		16 22	6 26
S 25	22 11	2 58	1 27	18 33	2 20	18 5	0 58	12 16	0 42	20 26	0 47	7 21	1 57	9 37	0 46	21 18	0 29	17 59	5 26	2 16	1 45	16 2	16 22	6 26
S 26	22 19			18 10		18 25		12 30		20 25	0 47	7 20	1 58	9 36		21 18		17 59	5 26	2 17		16 3	16 22	6 25
M27	22 27	4 45		17 51	2 39	-		12 44		20 24	0 47	7 20	1 58	9 36		21 18	0 29		5 26	2 17		16 4	_	6 25
T 28	22 34	8 19		17 36	2 46			12 58		20 22	0 47	7 19	1 58	9 35		21 19	0 29		5 26	2 16			16 21	6 25
W29	22 41	_		17 26		-	-	13 11		20 21	0 46	7 18	1 59	9 35		21 19	0 29		5 26	2 14	1 40		16 21	6 25
T 30	22 s48	14n14	3 s29	17s19	2n53	19 s40	0n47	13 s25	0n40	20n20	0 s46	7n18	1n59	9 s35	0 s46	21n19	0 s29	17n59	5 s 2 6	2 s11	1 s39	16n 7	16s21	6n24

Julian Day Number = 2239651.5, Delta T = 07m21s

Ecliptic obliquity = 23°30'43, Nutation = 0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°38'49, Lahiri = 15°45'49 Julian Calendar 1 Nov. 1419 == Greg. Calendar 10 Nov. 1419

DECEMBER 1419 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(卉	Р	ያ	೧	Ç	ę,	Day
F 1	5 11 6	17 × 15'39	1 I 7	29°D28	2 √ 18	8 M 7	4°R17	16 M 12	7)(17	21°R25	25°R 8	5°R18	4 º 5	0 Д 34	14 궁 36	F 1
S 2	5 15 3	18°16'44	13° 0	29 M 30	3°33	8°47	4 I I 9	16°14	7°19	219524	25 II 7	5 ₾ 6	4° 2	0°40	14°41	S 2
S 3	5 19 0	19°17'50	24°57	29°41	4°49	9°26	4° 2	16°15	7°20	21°23	25° 6	4°52	3°59	0°47	14°46	S 3
M 4	5 22 56	20°18'57	7 95 0	0 📈 0	6° 4	10° 6	3°54	16°17	7°21	21°21	25° 4	4°37	3°56	0°54	14°51	M 4
T 5	5 26 53	21°20'04	19°8	0°28	7°19	10°46	3°47	16°18	7°23	21°20	25° 3	4°24	3°52	1° 1	14°56	T 5
W 6	5 30 49	22°21'12	1 Ω 25	1° 2	8°35	11°26	3°39	16°20	7°24	21°19	25° 2	4°13	3°49	1° 7	15° 1	W 6
T 7	5 34 46	23°22'21	13°51	1°43	9°50	12° 6	3°32	16°21	7°25	21°17	25° 1	4° 4	3°46	1°14	15° 6	T 7
F 8	5 38 42	24°23'29	26°28	2°29	11° 6	12°46	3°25	16°22	7°27	21°16	25° 0	3°58	3°43	1°21	15°11	F 8
S 9	5 42 39	25°24'39	9 m 20	3°20	12°21	13°26	3°18	16°24	7°28	21°14	24°58	3°56	3°40	1°27	15°16	S 9
S 10	5 46 35	26°25'49	22°29	4°16	13°37	14° 6	3°11	16°25	7°30	21°13	24°57	3°55	3°36	1°34	15°21	S 10
M11	5 50 32	27°26'59	6 亞 0	5°16	14°52	14°46	3° 4	16°25	7°32	21°11	24°56	3°55	3°33	1°41	15°27	M11
T 12	5 54 29	28°28'10	19°53	6°19	16° 7	15°26	2°57	16°26	7°33	21°10	24°55	3°54	3°30	1°48	15°32	T 12
W13	5 58 25	29°29'22	4 M .10	7°25	17°23	16° 6	2°51	16°27	7°35	21° 8	24°54	3°52	3°27	1°54	15°37	W13
T 14	6 2 22	0 る 30'34	18°51	8°33	18°38	16°47	2°44	16°27	7°37	21° 7	24°52	3°47	3°24	2° 1	15°42	T 14
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W20	6 26 1	6°37'49	17°58	16° 7	26°11	20°48	2° 9	16°29	7°48	20°57	24°45	2°45	3° 5	2°41	16°14	W20
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T 26	6 49 40	12°44'52	4811	24°26	3°44	24°49	1°39	16°26	8° 1	20°47	24°38	2°34	2°46	3°21	16°46	T 26
W27	6 53 37	13°46'01	16° 2	25°52	4°59	25°29	1°35	16°25	8° 3	20°45	24°37	2°30	2°42	3°28	16°52	W27
T 28	6 57 33	14°47'09	27°51	27°19	6°14	26°10	1°30	16°24	8° 6	20°44	24°36	2°22	2°39	3°35	16°57	T 28
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Julian Day Number = 2239681.5, Delta T = 07m21s

Ecliptic obliquity = 23°30'43, Nutation = 0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°38'53, Lahiri = 15°45'53 Julian Calendar 1 Dec. 1419 == Greg. Calendar 10 Dec. 1419