

Astrodienst Ephemeris Tables for the year 1420

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 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	Р	r	Ω	Ç	ę,	Day
M 1	7 13 20	18 ට 51'34	159556	3 ට 13	11 궁 16	28 M 51	1°R16	16°R19	8) 15	20°R37	24°R32	1°R33	2 ჲ 27	4 II 2	17 る 19	M 1
T 2	7 17 16	19°52'39	28°18	4°43	12°31	29°32	1 I I13	16 M p17	8°18	20935	24 II 31	1 ≏ 20	2°23	4° 8	17°24	T 2
W 3	7 21 13	20°53'43	10 Ω 49	6°14	13°47	0 才 12	1°10	16°16	8°20	20°34	24°29	1° 9	2°20	4°15	17°29	W 3
T 4	7 25 9	21°54'47	23°31	7°46	15° 2	0°53	1° 7	16°14	8°23	20°32	24°28	1° 0	2°17	4°22	17°35	T 4
F 5	7 29 6	22°55'49	6 m 23	9°17	16°18	1°33	1° 4	16°12	8°26	20°30	24°27	0°55	2°14	4°28	17°40	F 5
S 6	7 33 2	23°56'52	19°27	10°50	17°33	2°14	1° 2	16°10	8°28	20°28	24°26	0°52	2°11	4°35	17°45	S 6
S 7	7 36 59	24°57'54	2 ≏ 44	12°23	18°48	2°54	1° 0	16° 8	8°31	20°27	24°25	0°D52	2° 8	4°42	17°51	S 7
M 8	7 40 56	25°58'55	16°15	13°57	20° 4	3°35	0°58	16° 6	8°34	20°25	24°24	0°52	2° 4	4°49	17°56	M 8
T 9	7 44 52	26°59'56	OM 2	15°31	21°19	4°15	0°56	16° 4	8°36	20°23	24°23	0°R52	2° 1	4°55	18° 1	T 9
W10	7 48 49	28° 0'56	14° 7	17° 6	22°34	4°56	0°54	16° 2	8°39	20°22	24°22	0°51	1°58	5° 2	18° 7	W10
T 11	7 52 45	29° 1'56	28°28	18°42	23°50	5°36	0°53	15°59	8°42	20°20	24°21	0°48	1°55	5° 9	18°12	T 11
F 12	7 56 42	0≈ 2'55	13 × 3	20°18	25° 5	6°17	0°52	15°57	8°45	20°18	24°20	0°42	1°52	5°15	18°17	F 12
S 13	8 0 38	1° 3'53	27°47	21°55	26°20	6°58	0°51	15°54	8°48	20°17	24°19	0°34	1°48	5°22	18°22	S 13
S 14	8 4 3 5	2° 4'51	12 る 33	23°32	27°36	7°38	0°50	15°51	8°51	20°15	24°18	0°24	1°45	5°29	18°28	S 14
M15	8 8 3 1	3° 5'47	27°13	25°11	28°51	8°19	0°49	15°49	8°54	20°13	24°18	0°15	1°42	5°36	18°33	M15
T 16	8 12 28	4° 6'43	11 ≈ 40	26°50	0≈ 6	8°59	0°49	15°46	8°57	20°12	24°17	0° 6	1°39	5°42	18°38	T 16
W17	8 16 25	5° 7'37	25°46	28°29	1°22	9°40	0°D49	15°43	9° 0	20°10	24°16	29 m 59	1°36	5°49	18°43	W17
T 18	8 20 21	6° 8'30	9) (28	0≈10	2°37	10°21	0°49	15°40	9° 3	20° 9	24°15	29°55	1°33	5°56	18°49	T 18
F 19	8 24 18	7° 9'21	22°44	1°51	3°52	11° 1	0°49	15°37	9° 6	20° 7	24°14	29°53	1°29	6° 2	18°54	F 19
S 20	8 28 14	8°10'11	5 Ƴ 35	3°33	5° 7	11°42	0°50	15°33	9° 9	20° 5	24°13	29°D52	1°26	6° 9	18°59	S 20
S 21	8 32 11	9°11'00	18° 5	5°15	6°23	12°23	0°50	15°30	9°12	20° 4	24°12	29°54	1°23	6°16	19° 4	S 21
M22	8 36 7	10°11'47	0 8 17	6°59	7°38	13° 4	0°51	15°27	9°15	20° 2	24°12	29°55	1°20	6°22	19° 9	M22
T 23	8 40 4	11°12'33	12°17	8°43	8°53	13°44	0°52	15°23	9°18	20° 1	24°11	29°R55	1°17	6°29	19°14	T 23
W24	8 44 0	12°13'17	24° 9	10°28	10° 8	14°25	0°53	15°20	9°21	19°59	24°10	29°54	1°13	6°36	19°19	W24
T 25	8 47 57	13°13'59	6 I 0	12°14	11°24	15° 6	0°55	15°16	9°24	19°57	24° 9	29°51	1°10	6°43	19°24	T 25
F 26	8 51 54	14°14'40	17°53	14° 0	12°39	15°47	0°57	15°13	9°27	19°56	24° 9	29°46	1° 7	6°49	19°29	F 26
S 27	8 55 50	15°15'19	29°53	15°48	13°54	16°27	0°58	15° 9	9°31	19°54	24° 8	29°40	1° 4	6°56	19°34	S 27
S 28	8 59 47	16°15'56	1295 3	17°36	15° 9	17° 8	1° 0	15° 5	9°34	19°53	24° 7	29°32	1° 1	7° 3	19°39	S 28
M29	9 3 43	17°16'32	24°24	19°25	16°24	17°49	1° 3	15° 1	9°37	19°51	24° 7	29°24	0°58	7° 9	19°44	M29
T 30	9 7 40	18°17'07	7Ω 0	21°14	17°39	18°30	1° 5	14°57	9°40	19°50	24° 6	29°16	0°54	7°16	1 <u>9</u> °49	T 30
W31	9 11 36	19≈17'39	19 Ω 49	23≈ 5	18≈55	19 ~ 11	1 I 8	14 M 53	9){ 44	199549	24 II 5	29M) 9	0 ჲ 51	7 Ⅲ 23	19 る 54	W31

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M 1	22 s11			24s11	0 s43			19 s36	0n22	19n50	0 s40	7n22	2n 8			21n27		18n 0		0 s37		16n34		6n22
T 2	22 2			24 15	0 50	-		19 46		19 49	0 39	7 23	2 8	9 10		21 27	0 29	18 0	5 24	0 32		16 35		6 22
W 3	21 53			24 18		23 21		19 55		19 49	0 39	7 24	2 8	9 10		21 27	0 29			0 27		16 36		6 22
T 4	21 43			24 19	1 2		0 36			19 49	0 39	7 25	2 8	9 9		21 28	0 29		5 24	0 24		16 36		6 22
F 5	21 33			24 19	1 8			20 13		19 48	0 39	7 26	2 9	9 7		21 28	0 29		5 24	0 22		16 37		6 22
S 6	21 23	3 16	1 0	24 17	1 13	23 1	0 40	20 22	0 19	19 48	0 38	7 27	2 9	9 6	0 45	21 28	0 29	18 0	5 23	0 21	0 52	16 38	16 1	6 22
S 7	21 12	0s56	0n10	24 14	1 19	22 53	0 42	20 30	0 18	19 48	0 38	7 28	2 9	9 5	0 45	21 28	0 29	18 1	5 23	0 21	0 51	16 39	16 0	6 22
M 8	21 1	5 10	1 21	24 10	1 24	22 44	0 44	20 39	0 18	19 48	0 38	7 29	2 9	9 4	0 45	21 29	0 29	18 1	5 23	0 21	0 50	16 40	15 59	6 22
T 9	20 49	9 12	2 29	24 4	1 29	22 35	0 46	20 47	0 17	19 48	0 38	7 30	2 10		0 45	21 29	0 29	18 1	5 23	0 21	0 48	16 40	15 59	6 22
W10		12 47		23 57		22 25		20 55		19 47	0 37	7 31	2 10			21 29	0 29	-	5 23	0 20		16 41		6 22
T 11		15 41	-	23 49	1 38			-		19 47	0 37	7 32	2 10	9 1		21 29	0 29	-	5 23	0 19		16 42		6 22
F 12		17 38		23 39	1 42			21 11		19 47	0 37	7 34	2 10	9 0		21 30	0 29		5 23	0 17		16 43		6 23
S 13	19 59	18 26	5 4	23 27	1 45	21 50	0 54	21 18	0 14	19 47	0 37	7 35	2 11	8 59	0 44	21 30	0 29	18 1	5 23	0 13	0 43	16 43	15 56	6 23
S 14	19 45	17 59	4 58	23 14	1 49	21 37	0 56	21 26	0 13	19 48	0 36	7 36	2 11	8 58	0 44	21 30	0 29	18 1	5 22	0 10	0 42	16 44	15 55	6 23
M15		16 20	4 32					21 33		19 48	0 36	7 37	2 11	8 57		21 31	0 29	-	5 22	0 6		16 45		6 23
T 16		13 41	3 49		1 55			21 40		19 48	0 36	7 39	2 11	8 56		21 31	0 29		5 22	0 2		16 46		6 23
W17	19 3			22 26	1 57			21 47		19 48	0 36	7 40	2 12	8 54		21 31	0 29	-	5 22	0n 0				6 23
T 18	18 48			22 7	1 59			21 54	0 10		0 36	7 42	2 12	8 53		21 31	0 29		5 22	0 2		16 47		6 23
F 19	18 32	-		21 47	2 1			- 1		19 48	0 35	7 43	2 12	8 52			0 29		5 22	0 3		16 48		6 24
S 20	18 17	1n45	0s31	21 24	2 3	20 7	1 6	22 7	0 9	19 49	0 35	7 44	2 12	8 51	0 44	21 32	0 29	18 2	5 22	0 3	0 34	16 49	15 50	6 24
S 21	18 1	5 37	1 36	21 1	2 4	19 49	1 7	22 13	0 8	19 49	0 35	7 46	2 12	8 50	0 44	21 32	0 29	18 2	5 22	0 3	0 33	16 50	15 49	6 24
M22	17 45	9 10	2 36	20 35	2 4	19 32	1 9	22 19	0 7	19 50	0 35	7 47	2 13	8 49	0 44	21 32	0 29	18 2	5 21	0 2	0 32	16 50	15 48	6 24
T 23	17 28	12 16	3 28	20 8	2 4	19 13	1 10	22 25	0 6	19 50	0 34	7 49	2 13	8 47	0 44	21 33	0 29	18 2	5 21	0 2	0 31	16 51	15 47	6 24
W24	17 11	14 49	4 11	19 39	2 4			22 30	0 6		0 34	7 50	2 13	8 46		21 33	0 29	18 2	5 21	0 2	0 29	16 52	15 46	6 24
T 25			4 42					22 36		19 51	0 34	7 52	2 13	8 45		21 33		18 2	5 21	0 3		16 53		6 25
F 26		17 57		18 37				22 41		19 52	0 34	7 54	2 13	8 44		21 33	0 29		5 21	0 5		16 53		6 25
S 27	16 19	18 22	5 8	18 4	2 0	17 54	1 15	22 46	0 3	19 52	0 33	7 55	2 14	8 43	0 44	21 34	0 29	18 3	5 21	0 8	0 26	16 54	15 44	6 25
S 28	16 1	17 58	5 1	17 29	1 58	17 33	1 16	22 51	0 2	19 53	0 33	7 57	2 14	8 41	0 44	21 34	0 29	18 3	5 21	0 11	0 24	16 55	15 43	6 25
M29	15 42	16 43	4 40	16 52	1 56	17 12	1 17	22 56	0 1	19 54	0 33	7 59	2 14	8 40	0 44	21 34	0 29	18 3	5 20	0 14	0 23	16 56	15 42	6 25
T 30	15 24	14 38	4 5	16 14	1 52	16 50	1 18	23 0	0 1	19 54	0 33	8 0	2 14	8 39	0 44	21 34	0 29	18 3	5 20	0 18	0 22	16 56	15 41	6 26
W31	15 s 5	11n48	3 s 1 7	15 s34	1 s49	16 s27	1s19	23 s 4	0 s 0	19n55	$0\mathrm{s}33$	8n 2	2n14	8 s38	0 s44	21n34	0 s29	18n 3	5 s 2 0	0n20	0 s 2 0	16n57	15 s40	6n26

Julian Day Number = 2239712.5, Delta T = 07m21s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = $0^{\circ}00'02$, out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 16°38'57, Lahiri = 15°45'57 \ Julian \ Calendar \ 1 \ Jan. \ 1420 = Greg. \ Calendar \ 10 \ Jan. \ 1420 = Greg. \ Cal$

FEBRUARY 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	o ⁷	4	ħ)ţ(ग्रै	В	'n	Ω	Ç	ķ	Day
T 1	9 15 33	20≈18'10	2 m 51	24≈56	20≈10	19 × 751	1 I 11	14°R49	9){ 47	19°R47	24°R 5	29°R 5	0 <u>ჲ</u> 48	7 I I30	19 る 59	T 1
F 2	9 19 29	21°18'40	16° 6	26°47	21°25	20°32	1°14	14 m 45	9°50	199546	24 I 4	29 m 2	0°45	7°36	20° 3	F 2
S 3	9 23 26	22°19'08	29°32	28°39	22°40	21°13	1°17	14°41	9°53	19°44	24° 3	29°D 1	0°42	7°43	20° 8	S 3
S 4	9 27 23	23°19'34	13 º 9	0W21	23°55	21°54	1°20	14°37	9°57	19°43	24° 3	29° 2	0°39	7°50	20°13	S 4
M 5	9 27 23 9 31 19	23°19'34 24°19'59	26°56	0 ∺ 31 2°23	25°10	21°34 22°35	1°24	14°37 14°32	10° 0	19°43	24° 3	29° 2	0°35	7°56	20°13 20°18	S 4 M 5
T 6	9 31 19	24 19 39 25°20'23	10 M 52	4°16	26°25	22 33 23°16	1°28	14°32 14°28	10° 0	19 42 19°40	24° 2	29° 5	0°32	8° 3	20°18	T 6
W 7	9 39 12	26°20'46	24°56	6° 8	20°23	23°57	1°32	14°24	10° 7	19°39	24° 1	29°R 6	0°29	8°10	20°27	W 7
T 8	9 43 9	20°20'40' 27°21'07	9 ×7 7	8° 0	28°55	24°38	1°36	14°19	10°10	19°38	24° 1	29° 5	0°26	8°17	20°31	T 8
F 9	9 47 5	28°21'26	23°24	9°51	0 ¥ 10	25°19	1°40	14°15	10°14	19°37	24° 0	29° 3	0°23	8°23	20°36	F 9
S 10	9 51 2	29°21'45	7 중 42	11°41	1°25	26° 0	1°45	14°10	10°17	19°35	24° 0	29° 0	0°19	8°30	20°40	S 10
S 11 M12	9 54 58 9 58 55	0 ∺ 22'01 1°22'16	21°59	13°29 15°16	2°40 3°55	26°41 27°22	1°49 1°54	14° 6 14° 1	10°20 10°24	19°34 19°33	24° 0 23°59	28°56 28°51	0°16	8°37 8°43	20°45 20°49	S 11
T 13	10 2 52	2°22'30	6 ≈ 11 20°11	15° 16	5°10	27°22 28° 3	1°54 1°59	13°57	10°24 10°27	19°33	23°59	28°47	0°13 0°10	8°50	20°54	M12 T 13
W14	10 2 32	3°22'41	3)(56	18°42	6°25	28°44	2° 4	13°52	10°27	19°31	23°59	28°44	0° 7	8°57	20°58	W14
T 15	10 10 45	4°22'51	17°23	20°21	7°40	29°25	2°10	13°47	10°34	19°30	23°58	28°43	0° 4	9° 4	20° 38	T 15
F 16	10 10 43	5°22'59	0 Υ 31	21°56	8°55	₀ ජි 6	2°15	13°43	10°37	19°28	23°58	28°D42	0° 0	9°10	21° 6	F 16
S 17	10 18 38	6°23'04	13°18	23°26	10°10	0°47	2°21	13°38	10°41	19°27	23°58	28°43	29 m 57	9°17	21°11	S 17
S 18 M19	10 22 34 10 26 31	7°23'08 8°23'10	25°48	24°52 26°12	11°25 12°40	1°28 2° 9	2°27 2°33	13°33 13°29	10°44 10°48	19°26 19°25	23°57 23°57	28°44 28°46	29°54 29°51	9°24 9°30	21°15 21°19	S 18 M19
T 20	10 26 31	9°23'10	8 8 2 20° 4	26°12 27°26	12°40 13°54	2°50	2°39	13°24	10°48 10°51	19°23	23°57	28°47	29°48	9°37	21°19 21°23	T 20
W21	10 30 27	10°23'06	20 4 1 Ⅱ 59	28°34	15° 9	3°31	2°45	13°19	10°55	19°23	23°57	28°48	29°45	9°44	21°27	W21
T 22	10 34 24	10°23'01	13°51	29°35	16°24	4°12	2°52	13°14	10°58	19°22	23°57	28°R49	29°41	9°51	21°31	T 22
F 23	10 30 21	12°22'54	25°46	0 Υ 28	17°39	4°53	2°59	13°10	10° 30	19°22	23°57	28°48	29°38	9°57	21°35	F 23
S 24	10 46 14	13°22'45	7 9 546	1°13	18°54	5°34	3° 5	13° 5	11° 5	19°21	23°56	28°47	29°35	10° 4	21°39	S 24
S 25 M26	10 50 10	14°22'33 15°22'20	19°58	1°51 2°20	20° 8 21°23	6°15	3°12 3°20	13° 0	11° 8	19°20 19°19	23°56 23°56	28°45 28°43	29°32 29°29	10°11 10°17	21°42 21°46	S 25
T 27	10 54 7 10 58 3	15°22'20 16°22'04	2 Ω 25 15°8	2°20 2°40	21°23 22°38	6°56 7°37	3°20 3°27	12°55 12°51	11°12 11°15	19°19 19°18	23°56 23°56	28°43 28°41	29°29 29°25	10°17 10°24	21°46 21°50	M26 T 27
W28	10 38 3	16 22 04 17°21'45	28°10	2°52	22 38 23°52	8°18	3°34	12°46	11°19	19 18 19°18	23°D56	28°40	29°22	10°24 10°31	21°53	W28
T 29	11 5 56	18) 21'25	11 m) 31	2°R56	25 X 7	8 급 59	3 1 42	12 46 12 M) 41	11 19 11 11 22	19917	23 II 56	28 m/39	29 22 29 m 19	10 I 31	21 33 21 궁 57	T 29

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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 de	cl decl lat
T 1	14 s46	-			23 s 9 0 s 1		8n 4 2n15		21n35 0s29		0n22		58 15 s39 6n26
F 2 S 3	14 26 14 7	-	0 14 11 1 3 3 13 27 1 3		-	19 57 0 32 19 58 0 32	8 6 2 15 8 7 2 15		21 35 0 28 21 35 0 28		0 23 0 23	0 18 16 3 0 17 16 3	
S 4 M 5	13 47 13 27	4s 2 1 10 8 8 2 2			23 20 0 4 23 23 0 5	19 58 0 32 19 59 0 31	8 9 2 15 8 11 2 15		21 35 0 28 21 36 0 28		0 23 0 23		0 15 36 6 27 1 15 35 6 27
T 6		11 49 3 29				20 0 0 31	8 13 2 15		21 36 0 28		0 22		1 15 34 6 28
W 7	-	14 52 4 19				20 1 0 31	8 15 2 15		21 36 0 28		0 22		2 15 33 6 28
T 8 F 9		17 3 4 54 18 10 5 1				20 2 0 31 20 4 0 31	8 16 2 16 8 18 2 16		21 36 0 28 21 36 0 28		0 22 0 23		3 15 33 6 28 3 15 32 6 28
S 10	11 44					20 4 0 31 20 5 0 30	8 18 2 16 8 20 2 16		21 36 0 28		0 23		4 15 31 6 29
S 11	11 23				23 39 0 10		8 22 2 16		21 37 0 28		0 26		5 15 30 6 29
M12	-				23 40 0 11		8 24 2 16		21 37 0 28		0 27		5 15 29 6 29
T 13		11 42 3 10			23 42 0 12		8 26 2 16		21 37 0 28		0 29		6 15 28 6 30
W14 T 15	10 18	8 3 2 1				20 9 0 30	8 28 2 16		21 37 0 28		0 30		7 15 27 6 30
F 16	9 56 9 34	4 3 1 1 0n 3 0s1				20 11 0 29 20 12 0 29	8 30 2 16 8 31 2 17		21 38 0 28 21 38 0 28		0 31 0 31		8 15 26 6 30 8 15 25 6 31
S 17	9 12	4 3 1 20				20 13 0 29	8 33 2 17		21 38 0 28		0 31		9 15 24 6 31
S 18	8 49	7 46 2 24	1 1 5 1	3 8 38 1 26	23 48 0 17	20 15 0 29	8 35 2 17	8 14 0 44	21 38 0 28	18 6 5 17	0 30	0 2 17	10 15 23 6 31
M19	8 27	_				20 16 0 29	8 37 2 17		21 38 0 28		0 30		10 15 22 6 32
T 20 W21	_	13 51 4 4 16 1 4 4	01122 1 3			20 17 0 28 20 19 0 28	8 39 2 17 8 41 2 17		21 38 0 28 21 39 0 28		0 29 0 29		11 15 21 6 32 12 15 20 6 32
T 22		17 29 5				20 19 0 28 20 20 0 28	8 41 2 17 8 43 2 17		21 39 0 28		0 29		12 15 20 6 32 12 15 19 6 33
F 23	6 56					20 22 0 28	8 45 2 17		21 39 0 28		0 29	0 9 17	
S 24	6 33	18 6 5 13	2 41 2 2	24 5 41 1 23	23 47 0 24	20 23 0 28	8 47 2 17	8 7 0 44	21 39 0 28	18 7 5 16	0 29	0 10 17	14 15 17 6 34
S 25	6 10	17 10 4 5				20 25 0 27	8 49 2 17		21 39 0 28	18 7 5 16	0 30	0 11 17	
M26		15 24 4 23				20 26 0 27	8 50 2 17		21 39 0 28		0 31	0 13 17	
T 27 W28	5 24 5 0	12 52 3 38 9 38 2 4				20 28 0 27 20 30 0 27	8 52 2 17 8 54 2 17		21 39 0 28 21 40 0 28		0 31 0 32	0 14 17 0 15 17	
T 29	4 s37	5n50 1s3	_			20n31 0s27	8n56 2n17		21 40 0 28 21n40 0 s28			0n16 17n	

Julian Day Number = 2239743.5, Delta T = 07m21s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = $0^{\circ}00'02$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'01, Lahiri = 15°46'02 Julian Calendar 1 Feb. 1420 == Greg. Calendar 10 Feb. 1420

MARCH 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ұ(并	Р	r	v	Ç	Ŗ	Day
F 1	11 9 53	19) 21'03	25 m) 9	2°R51	26 米 22	9 ප 40	3 Ⅱ 49	12°R36	11 米 25	19°R16	23 II 56	28°D38	29 m)16	10 Ⅱ 44	22る 0	F 1
S 2	11 13 49	20°20'38	9 <u>م</u> 2	2 Υ 39	27°36	10°21	3°57	12 m 32	11°29	199516	23°56	28 m 38	29°13	10°51	22° 4	S 2
S 3	11 17 46	21°20'12	23° 7	2°18	28°51	11° 3	4° 5	12°27	11°32	19°15	23°56	28°39	29°10	10°58	22° 7	S 3
M 4	11 21 43	22°19'44	7 M 20	1°51	oΥ 5	11°44	4°13	12°22	11°36	19°14	23°57	28°39	29° 6	11° 4	22°11	M 4
T 5	11 25 39	23°19'14	21°37	1°18	1°20	12°25	4°22	12°18	11°39	19°14	23°57	28°40	29° 3	11°11	22°14	T 5
W 6	11 29 36	24°18'42	5 ₹ 56	0°39	2°34	13° 6	4°30	12°13	11°42	19°13	23°57	28°40	29° 0	11°18	22°17	W 6
T 7	11 33 32	25°18'08	20°11	29 米 55	3°49	13°47	4°38	12° 9	11°46	19°13	23°57	28°R40	28°57	11°25	22°20	T 7
F 8	11 37 29	26°17'33	4 궁 21	29° 8	5° 3	14°28	4°47	12° 4	11°49	19°12	23°57	28°40	28°54	11°31	22°23	F 8
S 9	11 41 25	27°16'56	18°24	28°18	6°18	15° 9	4°56	11°59	11°53	19°12	23°57	28°40	28°50	11°38	22°27	S 9
S 10	11 45 22	28°16'17	2≈18	27°27	7°32	15°50	5° 5	11°55	11°56	19°11	23°58	28°D40	28°47	11°45	22°29	S 10
M11	11 49 18	29°15'37	16° 2	26°35	8°47	16°31	5°14	11°51	11°59	19°11	23°58	28°40	28°44	11°51	22°32	M11
T 12	11 53 15	0 Υ 14'54	29°33	25°44	10° 1	17°12	5°23	11°46	12° 3	19°11	23°58	28°40	28°41	11°58	22°35	T 12
W13	11 57 12	1°14'10	12) (52	24°54	11°16	17°54	5°32	11°42	12° 6	19°10	23°59	28°41	28°38	12° 5	22°38	W13
T 14	12 1 8	2°13'23	25°56	24° 7	12°30	18°35	5°42	11°37	12° 9	19°10	23°59	28°R41	28°35	12°12	22°41	T 14
F 15	12 5 5	3°12'35	8 Ƴ 47	23°23	13°44	19°16	5°51	11°33	12°12	19°10	23°59	28°41	28°31	12°18	22°43	F 15
S 16	12 9 1	4°11'44	21°23	22°43	14°59	19°57	6° 1	11°29	12°16	19°10	24° 0	28°40	28°28	12°25	22°46	S 16
S 17	12 12 58	5°10'52	3 8 45	22° 8	16°13	20°38	6°10	11°25	12°19	19°10	24° 0	28°40	28°25	12°32	22°49	S 17
M18	12 16 54	6° 9'57	15°56	21°37	17°27	21°19	6°20	11°21	12°22	19° 9	24° 0	28°39	28°22	12°38	22°51	M18
T 19	12 20 51	7° 9'00	27°57	21°11	18°41	22° 0	6°30	11°17	12°25	19° 9	24° 1	28°38	28°19	12°45	22°53	T 19
W20	12 24 47	8° 8'00	9∏52	20°51	19°56	22°41	6°40	11°13	12°28	19° 9	24° 1	28°36	28°16	12°52	22°56	W20
T 21	12 28 44	9° 6'59	21°45	20°36	21°10	23°22	6°50	11° 9	12°32	19° 9	24° 2	28°35	28°12	12°59	22°58	T 21
F 22	12 32 41	10° 5'55	3939	20°27	22°24	24° 3	7° 0	11° 5	12°35	19°D 9	24° 2	28°35	28° 9	13° 5	23° 0	F 22
S 23	12 36 37	11° 4'49	15°38	20°D23	23°38	24°44	7°11	11° 1	12°38	19° 9	24° 3	28°D35	28° 6	13°12	23° 2	S 23
S 24	12 40 34	12° 3'40	27°49	20°25	24°52	25°25	7°21	10°57	12°41	19° 9	24° 3	28°35	28° 3	13°19	23° 4	S 24
M25	12 44 30	13° 2'29	10 Ω 15	20°31	26° 6	26° 6	7°32	10°54	12°44	19° 9	24° 4	28°36	28° 0	13°25	23° 6	M25
T 26	12 48 27	14° 1'16	22°59	20°43	27°20	26°47	7°42	10°50	12°47	19°10	24° 5	28°38	27°56	13°32	23° 8	T 26
W27	12 52 23	15° 0'01	6Mp 6	21° 0	28°34	27°28	7°53	10°47	12°50	19°10	24° 5	28°39	27°53	13°39	23°10	W27
T 28	12 56 20	15°58'43	19°37	21°22	29°48	28° 9	8° 4	10°43	12°53	19°10	24° 6	28°40	27°50	13°46	23°12	T 28
F 29	13 0 16	16°57'24	3 ₾ 30	21°48	18 2	28°50	8°15	10°40	12°56	19°10	24° 6	28°R40	27°47	13°52	23°14	F 29
S 30	13 4 13	17°56'02	17°45	22°18	2°16	29°30	8°26	10°36	12°59	19°10	24° 7	28°39	27°44	13°59	23°15	S 30
S 31	13 8 9	18 Y 54'38	2 M 17	22) 53	3 8 30	0≈11	8Д37	10 m /33	13 ∺ 2	199511	24Ⅱ 8	28 m 37	27 m /41	14 I I 6	23 궁 17	S 31

Day	0	D	ğ	φ (3'	4	ħ)Å(卉	Р	ß	Ω	ţ	ķ
	decl	decl lat	decl lat	decl lat decl	lat d	ecl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
F 1 S 2	4s14 3 50	1n38 0s19 2s43 0n57	4n14 3n22 4 14 3 28	2 s 3 9 1 s 1 9 2 3 s 4 0 2 9 1 1 8 2 3 3 8	0 s 3 0 2 0 r 0 3 1 2 0		8n58 2n18 9 0 2 18		21n40 0 s28 21 40 0 28	18n 8 5s15 18 8 5 15	0n33 0 33			15 s11 6n36 15 10 6 36
S 3 M 4 T 5 W 6 T 7 F 8 S 9	1 52 1 29	6 58 2 12 10 52 3 19 14 9 4 13 16 33 4 53 17 56 5 14 18 11 5 16 17 19 4 59	4 9 3 31 4 0 3 33 3 47 3 33 3 30 3 32 3 9 3 28 2 45 3 23 2 19 3 16	1 38 1 17 23 36 1 7 1 16 23 33 0 36 1 14 23 31 0 6 1 13 23 28 0n25 1 12 23 25 0 56 1 11 23 22 1 27 1 9 23 18	0 33 20 0 34 20 0 35 20 0 36 20 0 37 20 0 38 20 0 40 20	38 0 26 40 0 26 41 0 25 43 0 25 45 0 25	9 2 2 18 9 3 2 18 9 5 2 18 9 7 2 18 9 9 2 18 9 10 2 18 9 12 2 18	7 55 0 44 7 54 0 44 7 52 0 44 7 51 0 44 7 50 0 44		18 8 5 15 18 8 5 15 18 8 5 14 18 9 5 14 18 9 5 14 18 9 5 14 18 9 5 14	0 32 0 32 0 32 0 32 0 32 0 32 0 32	0 20 0 21 0 23 0 24 0 25 0 26 0 28	17 19 17 20 17 21 17 21 17 22	15 9 6 37 15 8 6 38 15 7 6 38 15 6 6 39 15 5 6 39
S 10 M11 T 12 W13 T 14 F 15 S 16		15 25 4 24 12 39 3 35 9 15 2 35 5 25 1 27 1 23 0 15 2n38 0s56 6 28 2 3	1 51 3 7 1 20 2 57 0 49 2 45 0 18 2 32 0s13 2 19 0 44 2 4 1 14 1 49	1 58 1 8 23 15 2 29 1 6 23 11 2 59 1 5 23 7 3 30 1 3 23 3 4 1 1 1 22 59 4 31 1 0 22 54 5 2 0 58 22 49	0 41 20 0 42 20 0 43 20 0 45 20 0 46 20 0 47 20 0 48 20	50 0 25 52 0 24 54 0 24 55 0 24 57 0 24	9 14 2 18 9 16 2 18 9 17 2 18 9 19 2 18 9 21 2 17 9 22 2 17 9 24 2 17	7 46 0 44 7 45 0 44 7 43 0 44 7 42 0 44 7 41 0 44	21 41 0 28 21 41 0 27 21 41 0 27	18 9 5 13 18 9 5 13 18 10 5 12	0 32 0 32 0 32 0 32 0 32 0 32 0 32		17 24 17 24 17 25 17 26 17 26	15 0 6 41 14 59 6 42 14 58 6 42
S 17 M18 T 19 W20 T 21 F 22 S 23	3 14 3 37	9 57 3 2 12 56 3 53 15 20 4 33 17 3 5 0 18 2 5 14 18 13 5 15 17 35 5 3		5 32 0 56 22 44 6 2 0 54 22 35 6 32 0 52 22 34 7 2 0 51 22 25 7 32 0 49 22 23 8 1 0 47 22 17 8 31 0 44 22 11	0 51 21 0 52 21 0 54 21		9 25 2 17 9 27 2 17 9 28 2 17 9 30 2 17 9 31 2 17 9 33 2 17 9 34 2 17	7 37 0 44 7 36 0 44 7 35 0 44 7 34 0 44 7 32 0 44	21 41 0 27 21 41 0 27	18 11 5 12 18 12 5 11	0 32 0 32 0 33 0 33 0 34 0 34 0 34	0 39	17 28 17 29 17 29 17 30 17 30	14 53 6 45 14 52 6 46
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	5 10	16 9 4 36 13 56 3 57 10 59 3 5 7 25 2 1 3 22 0 50 0s59 0n27 5 24 1 43 9s34 2n55	4 13 0 29 4 21 0 43 4 26 0 56 4 28 1 8 4 29 1 19 4 27 1 30	10 26 0 36 21 46 10 55 0 34 21 39 11 23 0 31 21 32	1 3 21 1 5 21 1 6 21 1 7 21	16 0 22 18 0 22 20 0 22 22 0 22 23 0 22 25 0 22	9 35 2 17 9 37 2 17 9 38 2 17 9 39 2 17 9 40 2 17 9 42 2 16 9 43 2 16 9n44 2n16	7 29 0 44 7 28 0 44 7 27 0 44 7 25 0 44 7 24 0 44 7 23 0 44	21 41 0 27 21 41 0 27	18 12 5 11 18 12 5 11 18 12 5 11 18 13 5 10 18 13 5 10		0 49 0 51 0 52 0 53 0 54	17 32 17 33 17 33 17 34 17 34 17 35	14 50 6 47 14 49 6 48 14 48 6 48 14 47 6 49 14 47 6 50

Julian Day Number = 2239772.5, Delta T = 07m21s

Ecliptic obliquity = 23°30'44, Nutation = 0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°39'05, Lahiri = 15°46'06 Julian Calendar 1 March 1420 == Greg. Calendar 10 March 1420

APRIL 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	N.	v	Ç	Ŗ	Day
M 1	13 12 6	19 ° 53'13	16 M 59	23) (31	4844	0≈52	8 Ⅱ 48	10°R30	13) 5	199511	24 I 8	28°R35	27 m/37	14 I I13	23 궁 18	M 1
T 2	13 16 3	20°51'45	1 √ 144	24°13	5°58	1°33	8°59	10 m)27	13° 8	19°11	24° 9	28 m 32	27°34	14°19	23°20	T 2
W 3	13 19 59	21°50'16	16°25	24°59	7°12	2°14	9°11	10°24	13°11	19°12	24°10	28°29	27°31	14°26	23°21	W 3
T 4	13 23 56	22°48'46	0 궁 56	25°49	8°25	2°55	9°22	10°21	13°14	19°12	24°11	28°27	27°28	14°33	23°22	T 4
F 5	13 27 52	23°47'14	15°13	26°41	9°39	3°35	9°33	10°18	13°17	19°13	24°12	28°25	27°25	14°39	23°23	F 5
S 6	13 31 49	24°45'40	29°13	27°37	10°53	4°16	9°45	10°16	13°19	19°13	24°12	28°D25	27°21	14°46	23°25	S 6
S 7	13 35 45	25°44'04	12≈55	28°36	12° 7	4°57	9°57	10°13	13°22	19°14	24°13	28°26	27°18	14°53	23°26	S 7
M 8	13 39 42	26°42'27	26°21	29°37	13°20	5°38	10° 8	10°11	13°25	19°14	24°14	28°27	27°15	15° 0	23°27	M 8
T 9	13 43 38	27°40'49	9) 30	0 Υ 42	14°34	6°18	10°20	10° 8	13°27	19°15	24°15	28°29	27°12	15° 6	23°27	T 9
W10	13 47 35	28°39'08	22°26	1°49	15°48	6°59	10°32	10° 6	13°30	19°16	24°16	28°R30	27° 9	15°13	23°28	W10
T 11	13 51 32	29°37'26	5 Υ 8	2°58	17° 1	7°40	10°44	10° 3	13°33	19°16	24°17	28°30	27° 6	15°20	23°29	T 11
F 12	13 55 28	0 8 35'43	17°39	4°10	18°15	8°20	10°56	10° 1	13°35	19°17	24°18	28°28	27° 2	15°26	23°30	F 12
S 13	13 59 25	1°33'57	0 8 0	5°25	19°29	9° 1	11° 8	9°59	13°38	19°18	24°19	28°25	26°59	15°33	23°30	S 13
S 14	14 3 21	2°32'10	12°12	6°42	20°42	9°41	11°20	9°57	13°41	19°18	24°20	28°21	26°56	15°40	23°31	S 14
M15	14 7 18	3°30'21	24°16	8° 1	21°56	10°22	11°32	9°55	13°43	19°19	24°20	28°15	26°53	15°47	23°31	M15
T 16	14 11 14	4°28'31	6 Ⅱ 14	9°22	23° 9	11° 2	11°45	9°54	13°45	19°20	24°21	28° 8	26°50	15°53	23°32	T 16
W17	14 15 11	5°26'38	18° 7	10°45	24°23	11°43	11°57	9°52	13°48	19°21	24°22	28° 1	26°47	16° 0	23°32	W17
T 18	14 19 7	6°24'44	29°58	12°11	25°36	12°23	12° 9	9°50	13°50	19°22	24°24	27°56	26°43	16° 7	23°32	T 18
F 19	14 23 4	7°22'48	11951	13°39	26°50	13° 3	12°22	9°49	13°53	19°23	24°25	27°51	26°40	16°13	23°32	F 19
S 20	14 27 1	8°20'50	23°50	15° 8	28° 3	13°43	12°34	9°47	13°55	19°24	24°26	27°48	26°37	16°20	23°R32	S 20
S 21	14 30 57	9°18'49	5 Ω 58	16°40	29°16	14°24	12°47	9°46	13°57	19°25	24°27	27°D47	26°34	16°27	23°32	S 21
M22	14 34 54	10°16'48	18°20	18°14	0∏30	15° 4	12°59	9°45	14° 0	19°26	24°28	27°47	26°31	16°34	23°32	M22
T 23	14 38 50	11°14'44	1 m p 1	19°50	1°43	15°44	13°12	9°44	14° 2	19°27	24°29	27°48	26°27	16°40	23°32	T 23
W24	14 42 47	12°12'38	14° 5	21°28	2°56	16°24	13°25	9°43	14° 4	19°28	24°30	27°50	26°24	16°47	23°32	W24
T 25	14 46 43	13°10'30	27°36	23° 8	4° 9	17° 4	13°37	9°42	14° 6	19°29	24°31	27°R50	26°21	16°54	23°32	T 25
F 26	14 50 40	14° 8'21	11 ≏ 34	24°50	5°22	17°44	13°50	9°41	14° 8	19°30	24°32	27°49	26°18	17° 1	23°31	F 26
S 27	14 54 36	15° 6'10	25°59	26°34	6°36	18°24	14° 3	9°40	14°10	19°31	24°33	27°47	26°15	17° 7	23°31	S 27
S 28	14 58 33	16° 3'58	10 M .46	28°20	7°49	19° 3	14°16	9°40	14°12	19°32	24°35	27°42	26°12	17°14	23°30	S 28
M29	15 2 30	17° 1'44	25°49	8 B 0	9° 2	19°43	14°29	9°39	14°14	19°33	24°36	27°35	26° 8	17°21	23°30	M29
T 30	15 6 26	17859'29	10 ×7 57	1 8 58	10 Ⅱ 15	20≈23	14∏42	9 m 39	14) 16	199535	24∏37	27 m 28	26 m 5	17 Ⅲ 27	23 궁 29	T 30

Day	0	Ş		ğ	i	ç)	ď	•	2	ł	ħ	ı)į	ξ(Ä	Ţ	Е)	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
M 1	7n48	13 s11	3n56	4s15	1 s50	12n45	0 s24	21 s10	1 s 1 0	21n29	0 s21	9n45	2n16	7 s21	0 s44	21n41	0 s27	18n13	5 s 1 0	0n34		17n36		6n51
T 2		15 59	4 41	4 7	1 58		0 22			21 31	0 21	9 46	2 16	7 20		21 41	0 27		5 10	0 35		17 37		6 52
W 3	8 32	17 43	5 7	3 56	2 6	13 39	0 20	20 55		21 33	0 21	9 47	2 16	7 19	0 44	21 41	0 27	18 14	5 9	0 36		17 37		6 52
T 4		18 17	5 14	3 43	2 14	14 5		20 47		21 35	0 21	9 48	2 16	7 18		21 41	0 27	-	5 9	0 37		17 38		6 53
F 5		17 39	5 1	3 28	2 21	14 31		20 39		21 37	0 21	9 49	2 16	7 17		21 41	0 27		5 9	0 38		17 38		6 53
S 6	9 37	15 58	4 30	3 11	2 27	14 57	0 12	20 30	1 18	21 38	0 21	9 50	2 16	7 16	0 45	21 41	0 27	18 14	5 9	0 38	1 3	17 39	14 41	6 54
S 7	9 59	13 24	3 44	2 53	2 32	15 22	0 10	20 22	1 19	21 40	0 20	9 51	2 15	7 15	0 45	21 41	0 27	18 15	5 9	0 37	1 4	17 39	14 40	6 54
M 8	10 20	10 9	2 47	2 33	2 37	15 47	0 7	20 13	1 21	21 42	0 20	9 52	2 15	7 14	0 45	21 41	0 27	18 15	5 9	0 37	1 6	17 40	14 39	6 55
T 9	10 41	6 27	1 42	2 11	2 41	16 11	0 5	20 5	1 22	21 44	0 20	9 53	2 15	7 12	0 45	21 41	0 27	18 15	5 9	0 36	1 7	17 41	14 39	6 55
W10	11 2	2 30	0 33	1 47	2 44	16 35	0 2	19 56	1 24	21 46	0 20	9 53	2 15	7 11	0 45	21 41	0 27	18 15	5 8	0 36		17 41		6 56
T 11	11 22	1n30	0s36	1 22	2 47	16 59	0n 0	19 47	1 25	21 48	0 20	9 54	2 15	7 10	0 45	21 41	0 27	18 15	5 8	0 36		17 42		6 56
F 12	11 43	5 22	1 43	0 55	2 49	17 22	0 3	19 38	1 27	21 50	0 20	9 55	2 15	7 10	0 45	21 41	0 27	18 15	5 8	0 37	1 11	17 42	14 37	6 57
S 13	12 3	8 57	2 44	0 27	2 51	17 45	0 6	19 29	1 28	21 51	0 20	9 55	2 15	7 9	0 45	21 41	0 27	18 16	5 8	0 38	1 12	17 43	14 36	6 58
S 14	12 23	12 7	3 36	0n 2	2 52	18 7	0 8	19 19	1 30	21 53	0 19	9 56	2 15	7 8	0 45	21 41	0 27	18 16	5 8	0 40	1 13	17 43	14 35	6 58
M15	12 43	14 44	4 18	0 33	2 52	18 29	0 11	19 10	1 31	21 55	0 19	9 57	2 14	7 7	0 45	21 41	0 27	18 16	5 8	0 42	1 15	17 44	14 35	6 59
T 16	13 3	16 41	4 48	1 5	2 52	18 50	0 13	19 0	1 33	21 57	0 19	9 57	2 14	7 6	0 45	21 40	0 27	18 16	5 8	0 45	1 16	17 44	14 34	6 59
W17	13 23	17 54	5 6	1 39	2 51	19 11	0 16	18 50	1 35	21 59	0 19	9 58	2 14	7 5	0 45	21 40	0 27	18 16	5 7	0 47	1 17	17 45	14 34	7 0
T 18	13 42	18 21	5 10	2 14	2 50	19 31	0 18	18 41	1 36	22 0	0 19	9 58	2 14	7 4	0 45	21 40	0 27	18 17	5 7	0 50	1 18	17 45	14 33	7 0
F 19	14 1	17 59	5 1	2 50	2 48	19 51		18 31	1 38		0 19	9 59	2 14	7 3		21 40	0 27		5 7	0 51		17 46		7 1
S 20	14 20	16 49	4 39	3 27	2 45	20 10	0 24	18 21	1 39	22 4	0 19	9 59	2 14	7 2	0 45	21 40	0 27	18 17	5 7	0 53	1 21	17 46	14 32	7 1
S 21	14 38	14 54	4 4	4 5	2 42	20 29	0 26	18 10	1 41	22 6	0 19	9 59	2 13	7 1	0 45	21 40	0 27	18 17	5 7	0 53	1 22	17 47	14 31	7 2
M22	14 57	12 15	3 17	4 44	2 38	20 47	0 29	18 0	1 43	22 7	0 18	10 0	2 13	7 0	0 45	21 40	0 26	18 17	5 7	0 53	1 23	17 47	14 31	7 2
T 23	15 15	8 58	2 20	5 24	2 34	21 5	0 31	17 50	1 44	22 9	0 18	10 0	2 13	7 0	0 45	21 40	0 26	18 17	5 7	0 53	1 25	17 48	14 30	7 3
W24	15 33	5 9	1 14	6 5	2 29	21 22	0 34	17 39	1 46	22 11	0 18	10 0	2 13	6 59	0 45	21 40	0 26	18 18	5 6	0 52	1 26	17 48	14 30	7 3
T 25	15 50	0 56	0 1	6 47	2 24	21 38	0 36	17 29	1 48	22 12	0 18	10 0	2 13	6 58	0 45	21 39	0 26	18 18	5 6	0 52	1 27	17 49	14 29	7 4
F 26	16 8	3 s28	1n14	7 30	2 18	21 54	0 39	17 18	1 49	22 14	0 18	10 0	2 13	6 57	0 45	21 39	0 26	18 18	5 6	0 52	1 29	17 49	14 29	7 4
S 27	16 25	7 48	2 26	8 14	2 12	22 9	0 41	17 7	1 51	22 16	0 18	10 1	2 12	6 56	0 45	21 39	0 26	18 18	5 6	0 53	1 30	17 50	14 28	7 5
S 28	16 42	11 46	3 30	8 58	2 5	22 24	0 44	16 56	1 53	22 17	0 18	10 1	2 12	6 56	0 45	21 39	0 26	18 18	5 6	0 55	1 31	17 50	14 28	7 6
M29	16 58	15 2	4 21	9 43	1 58	22 38	0 46	16 45	1 54	22 19	0 18	10 1	2 12	6 55	0 45	21 39	0 26	18 18	5 6	0 58	1 32	17 51	14 28	7 6
T 30	17n15	17s18	4n54	10n29	1 s50	22n52	0n49	16 s34	1 s56	22n21	0s17	10n 1	2n12	6 s 5 4	0 s45	21n39	0 s26	18n19	5s 6	1n 1	1n34	17n51	14 s27	7n 7

Julian Day Number = 2239803.5, Delta T = 07m20s

Ecliptic obliquity = 23°30'44, Nutation = -0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°39'09, Lahiri = 15°46'10 Julian Calendar 1 Apr. 1420 == Greg. Calendar 10 Apr. 1420

MAY 1420 JC 00:00 UT

Day	Sid.t	0	D	Ϋ́	Q	♂	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
W 1	15 10 23	18 8 57'12	26 ₹ 2	3 8 50	11 II 28	21≈ 3	14∏55	9°R39	14) (18	19936	24耳38	27°R21	26Mp 2	17 II 34	23°R28	W 1
T 2	15 14 19	19°54'54	10 る 53	5°44	12°41	21°42	15° 8	9 m 39	14°20	19°37	24°39	27 Mp 14	25°59	17°41	23 る 28	T 2
F 3	15 18 16	20°52'36	25°24	7°40	13°54	22°22	15°21	9°D39	14°22	19°38	24°41	27°10	25°56	17°48	23°27	F 3
S 4	15 22 12	21°50'16	9 ≈ 31	9°38	15° 7	23° 1	15°34	9°39	14°24	19°40	24°42	27° 7	25°53	17°54	23°26	S 4
S 5	15 26 9	22°47'55	23°13	11°38	16°20	23°41	15°47	9°39	14°25	19°41	24°43	27°D 6	25°49	18° 1	23°25	S 5
M 6	15 30 5	23°45'33	6 ∺ 32	13°40	17°33	24°20	16° 1	9°39	14°27	19°43	24°44	27° 7	25°46	18° 8	23°24	M 6
T 7	15 34 2	24°43'10	19°30	15°44	18°45	24°59	16°14	9°39	14°29	19°44	24°46	27° 8	25°43	18°14	23°22	T 7
W 8	15 37 59	25°40'46	2 Υ 12	17°49	19°58	25°38	16°27	9°40	14°30	19°45	24°47	27°R 8	25°40	18°21	23°21	W 8
T 9	15 41 55	26°38'21	14°39	19°56	21°11	26°17	16°40	9°40	14°32	19°47	24°48	27° 6	25°37	18°28	23°20	T 9
F 10	15 45 52	27°35'55	26°55	22° 4	22°24	26°56	16°54	9°41	14°33	19°48	24°50	27° 2	25°33	18°35	23°19	F 10
S 11	15 49 48	28°33'28	9 8 3	24°13	23°37	27°35	17° 7	9°42	14°35	19°50	24°51	26°56	25°30	18°41	23°17	S 11
S 12	15 53 45	29°31'00	21° 5	26°24	24°49	28°14	17°20	9°43	14°36	19°51	24°52	26°47	25°27	18°48	23°16	S 12
M13	15 57 41	0∏28'32	3 I 1	28°35	26° 2	28°52	17°34	9°44	14°38	19°53	24°54	26°36	25°24	18°55	23°14	M13
T 14	16 1 38	1°26'02	14°55	0 Ⅱ 46	27°15	29°31	17°47	9°45	14°39	19°55	24°55	26°24	25°21	19° 2	23°12	T 14
W15	16 5 34	2°23'31	26°47	2°58	28°27	0 米 9	18° 1	9°46	14°40	19°56	24°56	26°12	25°18	19° 8	23°11	W15
T 16	16 9 31	3°20'58	8939	5°10	29°40	0°48	18°14	9°47	14°42	19°58	24°58	26° 1	25°14	19°15	23° 9	T 16
F 17	16 13 28	4°18'25	20°33	7°22	0952	1°26	18°28	9°48	14°43	19°59	24°59	25°51	25°11	19°22	23° 7	F 17
S 18	16 17 24	5°15'51	2 Ω 32	9°33	2° 5	2° 4	18°41	9°50	14°44	20° 1	25° 0	25°44	25° 8	19°28	23° 5	S 18
S 19	16 21 21	6°13'15	14°39	11°44	3°17	2°42	18°55	9°51	14°45	20° 3	25° 2	25°40	25° 5	19°35	23° 3	S 19
M20	16 25 17	7°10'39	26°59	13°53	4°30	3°20	19° 8	9°53	14°46	20° 5	25° 3	25°38	25° 2	19°42	23° 1	M20
T 21	16 29 14	8° 8'01	9 m /36	16° 1	5°42	3°58	19°22	9°55	14°47	20° 6	25° 5	25°D38	24°59	19°49	22°59	T 21
W22	16 33 10	9° 5'22	22°35	18° 7	6°54	4°35	19°36	9°57	14°48	20° 8	25° 6	25°R38	24°55	19°55	22°57	W22
T 23	16 37 7	10° 2'42	6 호 0	20°12	8° 7	5°13	19°49	9°59	14°49	20°10	25° 8	25°38	24°52	20° 2	22°55	T 23
F 24	16 41 3	11° 0'00	19°54	22°15	9°19	5°50	20° 3	10° 1	14°50	20°12	25° 9	25°36	24°49	20° 9	22°53	F 24
S 25	16 45 0	11°57'18	4 M .16	24°16	10°31	6°27	20°16	10° 3	14°51	20°13	25°10	25°32	24°46	20°15	22°50	S 25
S 26	16 48 57	12°54'35	19° 5	26°16	11°43	7° 4	20°30	10° 5	14°52	20°15	25°12	25°25	24°43	20°22	22°48	S 26
M27	16 52 53	13°51'52	4 ₹ 13	28°12	12°55	7°41	20°44	10° 8	14°52	20°17	25°13	25°16	24°39	20°29	22°46	M27
T 28	16 56 50	14°49'07	1 <u>9</u> °32	0ණ 7	14° 8	8°18	20°57	10°10	14°53	20°19	25°15	25° 6	24°36	20°36	22°43	T 28
W29	17 0 46	15°46'22	4 궁 50	1°59	15°20	8°55	21°11	10°13	14°54	20°21	25°16	24°55	24°33	20°42	22°41	W29
T 30	17 4 43	1 <u>6</u> °43'37	19°56	3°50	16°32	9°31	21°25	10°15	14°54	20°23	25°18	24°46	24°30	20°49	2 <u>2°</u> 38	T 30
F 31	17 8 39	17 Ⅱ 40'51	4≈41	5937	179544	10 米 8	21 Ⅲ 38	10 m 18	14) (55	209525	25 I I19	24 Mp 39	24 Mp 27	20耳56	22 る 36	F 31

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W 1 T 2 F 3	17n31 17 46 18 2	18 7 4 58	12 1 1	1 33 23 16 0 54	16 12 2 0	22n22 0s17 22 24 0 17 22 25 0 17	10 0 2 12	6 53 0 45	21n39 0s26 21 38 0 26 21 38 0 26	18 19 5 5	1n 4 1 6 1 8	1n35 17n3 1 36 17 3 1 37 17 3	52 14 26 7 8
S 4	18 17	14 17 3 47	13 34 1	1 15 23 39 0 58	15 49 2 3	22 27 0 17	10 0 2 11	6 51 0 45	21 38 0 26	18 19 5 5	1 9	1 39 17 3	53 14 26 7 9
S 5 M 6 T 7 W 8 T 9 F 10 S 11	18 32 18 46 19 0 19 14 19 28 19 41	7 28 1 48 3 32 0 41 0n28 0s27 4 22 1 32 8 2 2 32	15 53 (16 39 (17 24 (18 8 (0 55 23 58 1 3 0 45 24 7 1 5 0 34 24 15 1 7 0 24 24 22 1 9 0 13 24 29 1 12	15 15 2 8 15 3 2 10 14 52 2 12 14 40 2 14	22 30 0 17 22 31 0 17 22 33 0 17 22 34 0 16 22 36 0 16	10 0 2 11 9 59 2 11 9 59 2 11 9 59 2 10 9 58 2 10	6 50 0 45 6 50 0 45 6 49 0 46 6 48 0 46 6 48 0 46	21 38 0 26 21 38 0 26 21 38 0 26 21 37 0 26 21 37 0 26 21 37 0 26	18 20 5 5 18 20 5 5 18 20 5 5 18 20 5 5 18 20 5 5	1 9 1 9 1 9 1 9 1 9 1 11 1 13	1 41 17 3 1 42 17 3 1 44 17 3 1 45 17 3 1 46 17 3	
S 12 M13 T 14 W15 T 16 F 17	20 6 20 19 20 31 20 42 20 53 21 4	14 7 4 6 16 17 4 38 17 45 4 56 18 26 5 2 18 19 4 55 17 24 4 35	19 32 (20 12 (20 51 (21 27 (22 2 2 34 (22 22 34 (22 34 (22 34 (22 34 (22 34 (22 34 (22 34 (22 34 (22 34 (22	0n 8 24 40 1 16 0 19 24 45 1 18 0 29 24 49 1 20 0 39 24 52 1 22 0 49 24 54 1 23	14 16 2 17 14 5 2 19 13 53 2 21 13 41 2 23 13 29 2 25 13 17 2 27	22 37 0 16 22 38 0 16 22 40 0 16 22 41 0 16 22 42 0 16 22 44 0 16 22 45 0 16 22 46 0 15		6 47 0 46 6 46 0 46 6 46 0 46 6 45 0 46 6 45 0 46 6 44 0 46	21 36 0 26 21 36 0 26 21 36 0 26	18 21 5 4 18 21 5 4	1 17 1 21 1 26 1 31 1 35 1 39 1 42	1 51 17 3 1 53 17 3 1 54 17 3	57 14 24 7 12 57 14 23 7 13 58 14 23 7 13 58 14 23 7 14 58 14 23 7 14 59 14 23 7 15
M20 T 21	21 34 21 44 21 53 22 1 22 10	10 16 2 26 6 42 1 24 2 42 0 16 1 s33 0n55 5 53 2 5	23 54 1 24 16 1 24 35 1 24 51 1 25 4 1	1 23 24 56 1 30 1 30 24 55 1 32 1 36 24 53 1 33 1 42 24 50 1 35 1 47 24 47 1 36	12 41 2 32 12 29 2 34 12 17 2 36 12 5 2 38 11 52 2 40	22 48 0 15 22 49 0 15 22 50 0 15 22 51 0 15 22 52 0 15 22 53 0 15 22 55 0 15	9 53 2 9 9 52 2 8 9 51 2 8 9 50 2 8 9 49 2 8 9 48 2 8 9 47 2 8	6 43 0 46 6 43 0 46 6 43 0 46 6 42 0 46 6 42 0 46	21 35 0 26 21 35 0 26 21 35 0 26 21 34 0 26 21 34 0 26 21 34 0 26 21 34 0 26	18 22 5 4 18 22 5 4 18 22 5 3 18 22 5 3 18 22 5 3	1 44 1 44 1 45 1 44 1 45 1 45 1 47	1 59 18 2 0 18 2 1 18 2 3 18 2 4 18	0 14 22 7 16 0 14 22 7 16 1 14 22 7 16 1 14 22 7 17 1 14 22 7 17 2 14 22 7 18 2 14 22 7 18
M27 T 28 W29 T 30	22 32 22 39 22 45 22 51	16 27 4 41 18 7 4 59 18 29 4 56 17 32 4 33	25 28 1 25 31 2 25 31 2 25 29 2	1 58 24 33 1 40 2 0 24 26 1 41 2 2 24 19 1 42 2 2 24 12 1 43	11 16 2 46 11 4 2 48 10 52 2 50 10 40 2 51	22 56 0 15 22 57 0 14 22 58 0 14 22 59 0 14 23 0 0 14 23n 1 0s14	9 46 2 7 9 45 2 7 9 44 2 7 9 43 2 7 9 42 2 7 9n41 2n 7	6 41 0 46 6 41 0 46 6 41 0 46 6 40 0 46	21 33 0 26 21 33 0 26 21 33 0 26 21 33 0 26 21 32 0 26 21 32 0 s26	18 23 5 3 18 23 5 3 18 23 5 3	1 50 1 53 1 57 2 1 2 5 2n 8	2 8 18 2 9 18 2 10 18	3 14 22 7 18 3 14 22 7 19 3 14 22 7 19 4 14 22 7 20 4 14 22 7 20 5 14 s22 7 n20

Julian Day Number = 2239833.5, Delta T = 07m20s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'14, Lahiri = 15°46'14 Julian Calendar 1 May 1420 == Greg. Calendar 10 May 1420

JUNE 1420 JC 00:00 UT

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S 1	17 12 36	18Ⅲ38′05	18≈59	7923	18955	10) (44	21 II 52	10 m 21	14) 55	20927	25 Ⅱ 20	24°R34	24 m 24	21 I I 3	22°R33	S 1
S 2	17 16 32	19°35'19	2) (48	9° 6	20° 7	11°20	22° 6	10°24	14°56	20°29	25°22	24 Mp 32	24°20	21° 9	22 궁 30	S 2
M 3	17 20 29	20°32'32	16°10	10°46	21°19	11°56	22°19	10°27	14°56	20°31	25°23	24°31	24°17	21°16	22°27	M 3
T 4	17 24 26	21°29'45	29° 6	12°25	22°31	12°31	22°33	10°30	14°57	20°33	25°25	24°31	24°14	21°23	22°25	T 4
W 5	17 28 22	22°26'58	11 ° 43	14° 0	23°43	13° 7	22°47	10°33	14°57	20°35	25°26	24°31	24°11	21°29	22°22	W 5
T 6	17 32 19	23°24'11	24° 3	15°34	24°54	13°42	23° 1	10°36	14°57	20°37	25°28	24°28	24° 8	21°36	22°19	T 6
F 7	17 36 15	24°21'24	6811	17° 5	26° 6	14°17	23°14	10°40	14°57	20°39	25°29	24°23	24° 4	21°43	22°16	F 7
S 8	17 40 12	25°18'37	18°11	18°33	27°18	14°52	23°28	10°43	14°58	20°41	25°31	24°16	24° 1	21°50	22°13	S 8
S 9	17 44 8	26°15'50	0耳 6	19°59	28°29	15°27	23°42	10°47	14°58	20°43	25°32	24° 6	23°58	21°56	22°10	S 9
M10	17 48 5	27°13'03	11°59	21°23	29°41	16° 1	23°55	10°50	14°58	20°45	25°34	23°53	23°55	22° 3	22° 7	M10
T 11	17 52 1	28°10'15	23°50	22°44	0 Ω 52	16°35	24° 9	10°54	14°R58	20°47	25°35	23°39	23°52	22°10	22° 4	T 11
W12	17 55 58	29° 7'28	5 9 43	24° 2	2° 4	17° 9	24°23	10°58	14°58	20°49	25°37	23°26	23°49	22°17	22° 1	W12
T 13	17 59 55	09 4'40	17°38	25°18	3°15	17°43	24°36	11° 2	14°58	20°51	25°38	23°13	23°45	22°23	21°58	T 13
F 14	18 3 51	1° 1'52	29°36	26°31	4°26	18°17	24°50	11° 6	14°58	20°53	25°39	23° 2	23°42	22°30	21°55	F 14
S 15	18 7 48	1°59'04	11 \O 40	27°42	5°38	18°50	25° 4	11°10	14°57	20°55	25°41	22°53	23°39	22°37	21°51	S 15
S 16	18 11 44	2°56'16	23°52	28°49	6°49	19°23	25°17	11°14	14°57	20°57	25°42	22°48	23°36	22°43	21°48	S 16
M17	18 15 41	3°53'28	6 M p16	29°54	8° 0	19°55	25°31	11°18	14°57	21° 0	25°44	22°45	23°33	22°50	21°45	M17
T 18	18 19 37	4°50'39	18°54	0 Ω 56	9°11	20°28	25°44	11°22	14°57	21° 2	25°45	22°D44	23°30	22°57	21°42	T 18
W19	18 23 34	5°47'50	1 ≏ 51	1°54	10°22	21° 0	25°58	11°27	14°56	21° 4	25°47	22°R44	23°26	23° 4	21°38	W19
T 20	18 27 30	6°45'01	15°11	2°50	11°33	21°32	26°12	11°31	14°56	21° 6	25°48	22°44	23°23	23°10	21°35	T 20
F 21	18 31 27	7°42'11	28°56	3°42	12°44	22° 4	26°25	11°36	14°55	21° 8	25°50	22°43	23°20	23°17	21°32	F 21
S 22	18 35 24	8°39'22	13M 9	4°30	13°55	22°35	26°39	11°40	14°55	21°10	25°51	22°39	23°17	23°24	21°28	S 22
S 23	18 39 20	9°36'32	27°47	5°16	15° 6	23° 6	26°52	11°45	14°54	21°13	25°52	22°33	23°14	23°31	21°25	S 23
M24	18 43 17	10°33'43	12 ×7 47	5°57	16°17	23°37	27° 6	11°50	14°54	21°15	25°54	22°25	23°10	23°37	21°21	M24
T 25	18 47 13	11°30'54	28° 0	6°35	17°27	24° 7	27°19	11°54	14°53	21°17	25°55	22°15	23° 7	23°44	21°18	T 25
W26	18 51 10	12°28'05	13 る 16	7° 9	18°38	24°37	27°33	11°59	14°52	21°19	25°57	22° 5	23° 4	23°51	21°14	W26
T 27	18 55 6	13°25'16	28°24	7°38	19°49	25° 7	27°46	12° 4	14°52	21°21	25°58	21°56	23° 1	23°57	21°11	T 27
F 28	18 59 3	14°22'28	13≈14	8° 4	20°59	25°37	27°59	12° 9	14°51	21°24	26° 0	21°50	22°58	24° 4	21° 8	F 28
S 29	19 2 59	15°19'40	27°38	8°25	22° 9	26° 6	28°13	12°14	14°50	21°26	26° 1	21°45	22°55	24°11	21° 4	S 29
S 30	19 6 56	169516'52	11) 35	8 Ω 41	23\$\Omega20	26) (34	28Ⅲ26	12 Mp 20	14) (49	219528	26耳 2	21 m/43	22 m 51	24∏18	21중 1	S 30

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S 1	23n 1	12 s23 2n5	6 25n19	2n 1 23n54	1n45 10s16	2 s 5 5	23n 2	0s14	9n40	2n 6	6 s40	0 s46	21n32 0s	6 18n23	5 s 3	2n10	2n14	18n 5	14 s22	7n21
S 2 M 3 T 4 W 5	23 6 23 10 23 14 23 18	4 48 0 4 0 44 0 s2	2 25 11 4 25 1 4 24 50 0 24 37	2 0 23 45 1 57 23 34 1 55 23 23 1 51 23 12	1 46 10 4 1 47 9 52 1 47 9 40 1 48 9 28	2 59 3 1	23 4 23 4	0 14 0 14 0 14 0 14	9 38 9 37 9 36 9 34	2 6 2 6 2 6 2 6	6 40 6 40 6 40 6 40	0 46	21 31 0 21 31 0 21 31 0 21 31 0	6 18 23 6 18 24	5 3 5 3 5 3 5 2	2 11 2 11 2 11 2 11	2 15 2 17 2 18 2 19	18 6 18 6	14 22 14 23	7 21 7 21 7 22 7 22
T 6 F 7 S 8	23 21 23 23 23 26	7 3 2 2 10 28 3 2	9 24 22	1 31 23 12 1 47 22 59 1 42 22 46 1 36 22 33	1 48 9 17 1 49 9 5 1 49 8 53	3 5 3 7	23 6 23 7	0 13 0 13 0 13	9 33 9 32 9 30	2 6 2 6 2 5 2 5	6 40 6 40 6 40	0 47 0 47	21 30 0 21 30 0 21 30 0 21 30 0	6 18 24 6 18 24	5 2 5 2 5 2	2 11 2 12 2 14 2 17	2 20 2 22 2 23	18 7 18 7	14 23 14 23	7 22 7 22 7 22 7 23
S 9 M10 T 11 W12 T 13 F 14 S 15	23 31	17 27 4 5 18 23 5 18 31 4 5 17 50 4 3 16 21 4	4 23 30 3 23 11 0 22 50 3 22 29 3 22 7 2 21 45 9 21 22	1 30 22 18 1 24 22 4 1 16 21 48 1 8 21 32 1 0 21 16 0 51 20 58 0 42 20 41	1 49 8 41 1 49 8 30 1 49 8 18 1 49 8 7 1 49 7 55 1 49 7 44 1 49 7 33	3 15 3 17 3 19 3 21	23 9 23 10 23 11 23 11	0 13 0 13 0 13 0 13 0 13 0 13 0 13	9 29 9 27 9 25 9 24 9 22 9 21 9 19	2 5 2 5 2 5 2 5 2 5 2 5 2 4 2 4	6 40 6 40 6 40 6 40 6 40 6 40	0 47 0 47 0 47 0 47 0 47	21 29 0 21 29 0 21 29 0 21 29 0 21 29 0 21 28 0 21 28 0 21 28 0	5 18 24 5 18 24 5 18 24 5 18 24 5 18 25	5 2 5 2 5 2 5 2 5 2 5 2 5 2	2 21 2 26 2 32 2 37 2 42 2 47 2 50	2 24 2 25 2 27 2 28 2 29 2 30 2 32	18 8 18 9 18 9 18 9 18 10	14 24 14 24 14 24 14 25	7 23 7 23 7 24 7 24 7 24 7 24 7 24
S 16 M17 T 18 W19 T 20 F 21 S 22	23 29 23 27 23 25 23 23 23 20 23 17 23 14	11 18 2 2 2 7 55 1 2 4 6 0 2 0 8 0 0 0 4 13 1 5 8 20 2 5	6 20 58 6 20 35	0 32 20 23 0 21 20 4 0 10 19 44 0s 1 19 25 0 13 19 4 0 25 18 43 0 38 18 22	1 49 7 22 1 48 7 11 1 48 7 0 1 47 6 49 1 46 6 38 1 46 6 27 1 45 6 17	3 25 3 27 3 29 3 31 3 33 3 35	23 13 23 14 23 14	0 13 0 12 0 12 0 12 0 12 0 12 0 12	9 17 9 15 9 14 9 12 9 10 9 8 9 6	2 4 2 4 2 4 2 3 2 3 2 3 2 3	6 40 6 40 6 40 6 40 6 41 6 41	0 47 0 47 0 47 0 47 0 47 0 47	21 27 0 21 27 0 21 27 0 21 26 0 21 26 0 21 26 0 21 25 0	15 18 25 15 18 25 15 18 25 15 18 25 15 18 25 15 18 25	5 2 5 2 5 2 5 2 5 2 5 2 5 2	2 52 2 53 2 53 2 53 2 54 2 54 2 54 2 56	2 33 2 34 2 35 2 37 2 38 2 39	18 10 18 11 18 11 18 11	14 25 14 26 14 26 14 26 14 26 14 27	7 25 7 25 7 25 7 25 7 25 7 26 7 26 7 26
S 23 M24 T 25 W26 T 27 F 28 S 29		17 29 4 5 18 29 5 18 10 4 4 16 34 4 13 52 3	8 17 49 1 17 26	0 51 18 0 1 4 17 38 1 17 17 16 1 31 16 52 1 45 16 29 1 59 16 5 2 13 15 41	1 44 6 6 1 43 5 56 1 41 5 46 1 40 5 36 1 39 5 26 1 38 5 16 1 36 5 6	3 42 3 44 3 46 3 48 3 50		0 12 0 12 0 12 0 12 0 12 0 12 0 11 0 11	9 4 9 2 9 0 8 58 8 56 8 54 8 52	2 3 2 3 2 3 2 3 2 3 2 2 2 2	6 41 6 42 6 42 6 42 6 43 6 43	0 47 0 47 0 47 0 47 0 47	21 25 0 21 25 0 21 24 0 21 24 0 21 24 0 21 23 0 21 23 0	15 18 25 15 18 25 15 18 25 15 18 25 15 18 26	5 2 5 2 5 2 5 2 5 2 5 2 5 2	2 58 3 1 3 5 3 9 3 12 3 15 3 17	2 48	18 13 18 13 18 14 18 14 18 14	14 28 14 28 14 29 14 29 14 30	7 26 7 26 7 26 7 26 7 26 7 26 7 26 7 26

Julian Day Number = 2239864.5, Delta T = 07m20s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'18, Lahiri = 15°46'18 Julian Calendar 1 June 1420 = Greg. Calendar 10 June 1420

JULY 1420 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(卉	В	S.	v	Ç	Ŗ	Day	
M 1	19 10 53	179514'06	25 ₩ 2	8 N 53	24 \O 30	27 ∺ 3	28∏39	12 m 25	14°R48	219530	26耳 4	21°D43	22 Mp 48	24∏24	20°R57	M 1	
T 2	19 14 49	18°11'20	8 ℃ 3	9° 0	25°40	27°31	28°53	12°30	14) (47	21°33	26° 5	21 Mp 43	22°45	24°31	20 궁 54	T 2	
W 3	19 18 46	19° 8'35	20°41	9°R 2	26°50	27°58	29° 6	12°35	14°46	21°35	26° 6	21°R43	22°42	24°38	20°50	W 3	
T 4	19 22 42	20° 5'51	3 8 1	9° 0	28° 0	28°26	29°19	12°41	14°45	21°37	26° 8	21°43	22°39	24°44	20°47	T 4	
F 5	19 26 39	21° 3'07	15° 7	8°52	29°10	28°52	29°32	12°46	14°44	21°39	26° 9	21°40	22°36	24°51	20°43	F 5	
S 6	19 30 35	22° 0'25	27° 5	8°39	0 Mp 20	29°19	29°45	12°52	14°43	21°41	26°11	21°35	22°32	24°58	20°40	S 6	
S 7	19 34 32	22°57'43	8 Ⅱ 58	8°22	1°30	29°45	29°58	12°57	14°42	21°44	26°12	21°27	22°29	25° 5	20°36	S 7	
M 8	19 38 28	23°55'03	20°49	8° 0	2°40	o Υ 10	0912	13° 3	14°40	21°46	26°13	21°18	22°26	25°11	20°33	M 8	
T 9	19 42 25	24°52'23	29542	7°33	3°50	0°35	0°25	13° 9	14°39	21°48	26°15	21° 8	22°23	25°18	20°29	T 9	
W10	19 46 22	25°49'44	14°37	7° 2	4°59	1° 0	0°38	13°15	14°38	21°50	26°16	20°57	22°20	25°25	20°26	W10	
T 11	19 50 18	26°47'06	26°38	6°28	6° 9	1°24	0°50	13°21	14°37	21°53	26°17	20°47	22°16	25°32	20°22	T 11	
F 12	19 54 15	27°44'28	8 Ω 45	5°50	7°18	1°47	1° 3	13°26	14°35	21°55	26°18	20°39	22°13	25°38	20°19	F 12	
S 13	19 58 11	28°41'51	21° 0	5° 9	8°28	2°10	1°16	13°32	14°34	21°57	26°20	20°33	22°10	25°45	20°15	S 13	
S 14	20 2 8	29°39'15	3 m 23	4°25	9°37	2°33	1°29	13°38	14°32	21°59	26°21	20°29	22° 7	25°52	20°12	S 14	
M15	20 6 4	0 Ω 36'40	15°58	3°40	10°46	2°55	1°42	13°45	14°31	22° 1	26°22	20°D28	22° 4	25°58	20° 8	M15	
T 16	20 10 1	1°34'06	28°45	2°55	11°55	3°17	1°55	13°51	14°29	22° 4	26°23	20°28	22° 1	26° 5	20° 5	T 16	
W17	20 13 57	2°31'32	11 ≏ 48	2° 9	13° 4	3°37	2° 7	13°57	14°28	22° 6	26°25	20°29	21°57	26°12	20° 2	W17	
T 18	20 17 54	3°28'59	25° 9	1°25	14°13	3°58	2°20	14° 3	14°26	22° 8	26°26	20°30	21°54	26°19	19°58	T 18	
F 19	20 21 51	4°26'26	8 M .51	0°42	15°22	4°18	2°32	14° 9	14°24	22°10	26°27	20°R30	21°51	26°25	19°55	F 19	
S 20	20 25 47	5°23'55	22°54	0° 1	16°30	4°37	2°45	14°16	14°23	22°12	26°28	20°29	21°48	26°32	19°52	S 20	
S 21	20 29 44	6°21'24	7 √ 18	299524	17°39	4°56	2°57	14°22	14°21	22°15	26°29	20°26	21°45	26°39	19°48	S 21	
M22	20 33 40	7°18'54	22° 0	28°51	18°47	5°14	3°10	14°28	14°19	22°17	26°31	20°21	21°42	26°46	19°45	M22	
T 23	20 37 37	8°16'25	6 ප 54	28°23	19°56	5°31	3°22	14°35	14°18	22°19	26°32	20°15	21°38	26°52	19°42	T 23	
W24	20 41 33	9°13'56	21°52	28° 1	21° 4	5°48	3°34	14°41	14°16	22°21	26°33	20° 9	21°35	26°59	19°39	W24	
T 25	20 45 30	10°11'29	6≈47	27°44	22°12	6° 4	3°46	14°48	14°14	22°23	26°34	20° 4	21°32	27° 6	19°35	T 25	
F 26	20 49 26	11° 9'03	21°28	27°33	23°20	6°20	3°59	14°55	14°12	22°25	26°35	19°59	21°29	27°12	19°32	F 26	
S 27	20 53 23	12° 6'39	5) (49	27°D30	24°28	6°34	4°11	15° 1	14°10	22°28	26°36	19°57	21°26	27°19	19°29	S 27	
S 28	20 57 20	13° 4'15	19°45	27°33	25°36	6°49	4°23	15° 8	14° 8	22°30	26°37	19°D56	21°22	27°26	19°26	S 28	
M29	21 1 16	14° 1'53	3 Υ16	27°44	26°43	7° 2	4°35	15°15	14° 6	22°32	26°38	19°57	21°19	27°33	19°23	M29	
T 30	21 5 13	14°59'33	16°21	28° 1	27°51	7°15	4°47	15°21	14° 4	22°34	26°39	19°58	21°16	27°39	19°20	T 30	
W31	21 9 9	15 Ω 57'14	29 ° 3	289527	28 m 58	7 Υ 27	4958	15 m 28	14) 2	22936	26∏40	20 Mg 0	21 m 13	27 Ⅱ 46	19 궁 17	W31	

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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 de	cl decl lat
M 1 T 2	22n24 22 16	2s15 0s13		2 14n51 1n33 6 14 26 1 31		23n19 0s11 23 19 0 11	8n48 2n 2 8 46 2 2		21n22 0s25 21 22 0 25		3n18 3 18	2n52 18n 2 53 18	
W 3	22 8 22 0	5 49 2 2	3 15 0 3 10	0 14 0 1 29	4 28 4 0	23 20 0 11	8 44 2 2	6 45 0 48	21 22 0 25	18 26 5 2	3 18 3 18	2 54 18	16 14 32 7 27
T 4 F 5 S 6	21 51		2 14 48 3 23 5 14 37 3 36 7 14 28 3 49	6 13 7 1 25	4 19 4 2 4 11 4 4 4 2 4 6	23 20 0 11	8 42 2 2 8 39 2 2 8 37 2 1	6 46 0 48	21 21 0 25 21 21 0 25 21 21 0 25	18 26 5 2	3 19 3 21	2 56 18 2 57 18 2 58 18	16 14 33 7 27
S 6 S 7	21 42		7 14 28 3 4		4 2 4 6 3 53 4 8		8 37 2 1 8 35 2 1		21 21 0 23		3 24	2 59 18	
M 8 T 9			4 14 16 4 13 3 14 13 4 23			23 20 0 11 23 20 0 10	8 33 2 1 8 30 2 1		21 20 0 25 21 20 0 25		3 28 3 32		17 14 34 7 27 18 14 35 7 27
W10 T 11	21 3 20 52		9 14 12 4 3 3 14 13 4 3			23 20 0 10 23 20 0 10	8 28 2 1 8 26 2 1		21 19 0 25 21 19 0 25		3 36 3 40		18 14 36 7 26 18 14 36 7 26
F 12 S 13	20 41 20 29		5 14 16 4 43 2 14 21 4 49			23 20 0 10 23 20 0 10	8 23 2 1 8 21 2 1		21 19 0 25 21 18 0 25		3 43 3 45		18 14 37 7 26 19 14 37 7 26
S 14 M15	20 17 20 5	8 53 1 3 5 11 0 2				23 20 0 10 23 20 0 10	8 18 2 1 8 16 2 1		21 18 0 25 21 18 0 25		3 47 3 47		19 14 38 7 26 19 14 38 7 26
T 16 W17	19 52 19 39	1 11 0n4: 2 s 5 7 1 5 2	5 14 48 4 53	3 7 59 0 57	2 45 4 25	23 20 0 10 23 20 0 10 23 20 0 10	8 14 2 1 8 11 2 0	6 52 0 48	21 17 0 25 21 17 0 25 21 17 0 25	18 26 5 2	3 47 3 47 3 47		19 14 39 7 26
T 18 F 19	19 26	7 2 2 5	5 15 14 4 4	7 7 0 0 50	2 32 4 29	23 20 0 10 23 20 0 10 23 20 0 10	8 9 2 0	6 53 0 48	21 17 0 25 21 17 0 25 21 16 0 25	18 26 5 2	3 47	3 13 18 3 15 18	20 14 40 7 26
S 20			1 15 29 4 4			23 19 0 10	8 6 2 0 8 4 2 0		21 16 0 25		3 46 3 47	3 16 18	
S 21 M22			1 16 1 4 2: 9 16 18 4 14			23 19 0 9 23 19 0 9	8 1 2 0 7 58 2 0		21 16 0 25 21 15 0 25		3 48 3 50	3 17 18 3 18 18	
T 23 W24	18 15 18 0	18 24 4 50 17 24 4 2		2 4 30 0 33 9 4 0 0 29		23 19 0 9 23 19 0 9	7 56 2 0 7 53 2 0		21 15 0 25 21 15 0 25		3 52 3 55	3 20 18 3 21 18	
T 25 F 26	17 45 17 29	15 12 3 33 12 3 2 2				23 18 0 9 23 18 0 9	7 51 2 0 7 48 2 0		21 14 0 25 21 14 0 25		3 57 3 59	3 22 18 3 23 18	
S 27	17 13	8 14 1 1	5 17 44 3	3 2 29 0 18	1 45 4 45	23 18 0 9	7 45 2 0	6 59 0 48	21 13 0 25	18 26 5 2	4 0	3 25 18	22 14 46 7 24
S 28 M29	16 57 16 40	0n12 1s1	1 17 59 2 4° 2 18 14 2 30	0 1 27 0 10	1 37 4 48	23 18 0 9 23 17 0 9	7 43 2 0 7 40 2 0	7 1 0 48	21 13 0 25 21 13 0 25	18 26 5 2	4 0 4 0		22 14 47 7 24
T 30 W31	16 23 16n 6	4 18 2 19 8n 6 3s1	9 18 27 2 13 7 18n39 1s5			23 17 0 9 23n17 0s 9	7 37 2 0 7n35 1n59		21 12 0 25 21n12 0 s25		3 59 3n58	3 28 18 3n30 18n	23 14 48 7 23 23 14s48 7n23

Julian Day Number = 2239894.5, Delta T = 07m20s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = -0°00'01, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'22, Lahiri = 15°46'22 Julian Calendar 1 July 1420 == Greg. Calendar 10 July 1420

AUGUST 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ď	4	ħ)∤(¥	В	R	ດ	Ç	ķ	Day
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T 1	21 13 6	16 Ω 54'57	11826	28959	0 쇼 5	7 Υ 38	5910	15 m 35	14°R 0	22938	26∏41	20°R 1	21 mp 10	27 Ⅱ 53	19°R14	T 1
F 2	21 17 2	17°52'41	23°34	29°39	1°13	7°49	5°22	15°42	13 ¥ 58	22°40	26°42	20 mg 1	21° 7	27°59	19 3 11	F 2
S 3	21 20 59	18°50'28	5 Ⅱ 33	0 Ω 26	2°19	7°58	5°34	15°49	13°56	22°42	26°43	19°59	21° 3	28° 6	19° 8	S 3
S 4	21 24 55	19°48'16	17°26	1°20	3°26	8° 7	5°45	15°56	13°54	22°44	26°44	19°57	21° 0	28°13	19° 6	S 4
M 5	21 28 52	20°46'05	29°18	2°21	4°33	8°15	5°57	16° 3	13°52	22°46	26°45	19°53	20°57	28°20	19° 3	M 5
T 6	21 32 49	21°43'56	119513	3°28	5°40	8°23	6° 8	16°10	13°50	22°48	26°46	19°48	20°54	28°26	19° 0	T 6
W 7	21 36 45	22°41'49	23°13	4°42	6°46	8°29	6°19	16°17	13°47	22°50	26°47	19°44	20°51	28°33	18°57	W 7
T 8	21 40 42	23°39'44	5 Ω 22	6° 1	7°52	8°35	6°30	16°24	13°45	22°52	26°48	19°39	20°48	28°40	18°55	T 8
F 9	21 44 38	24°37'40	17°40	7°26	8°58	8°40	6°42	16°31	13°43	22°54	26°49	19°36	20°44	28°47	18°52	F 9
S 10	21 48 35	25°35'38	0 m 9	8°56	10° 4	8°44	6°53	16°38	13°41	22°56	26°50	19°33	20°41	28°53	18°50	S 10
S 11	21 52 31	26°33'37	12°49	10°30	11°10	8°47	7° 4	16°45	13°39	22°58	26°51	19°32	20°38	29° 0	18°47	S 11
M12	21 56 28	27°31'38	25°42	12° 9	12°15	8°49	7°15	16°52	13°36	23° 0	26°51	19°D32	20°35	29° 7	18°45	M12
T 13	22 0 24	28°29'40	8 ≏ 48	13°51	13°21	8°51	7°25	16°59	13°34	23° 2	26°52	19°33	20°32	29°13	18°43	T 13
W14	22 4 21	29°27'44	22° 8	15°36	14°26	8°R51	7°36	17° 7	13°32	23° 4	26°53	19°34	20°28	29°20	18°40	W14
T 15	22 8 18	0 Mp 25'49	5 M 41	17°24	15°31	8°51	7°47	17°14	13°29	23° 6	26°54	19°35	20°25	29°27	18°38	T 15
F 16	22 12 14	1°23'56	19°28	19°15	16°36	8°50	7°57	17°21	13°27	23° 7	26°55	19°36	20°22	29°34	18°36	F 16
S 17	22 16 11	2°22'04	3 ₹ 28	21° 7	17°41	8°48	8° 8	17°28	13°25	23° 9	26°55	19°R37	20°19	29°40	18°34	S 17
S 18	22 20 7	3°20'14	17°42	23° 0	18°45	8°45	8°18	17°36	13°22	23°11	26°56	19°36	20°16	29°47	18°32	S 18
M19	22 24 4	4°18'25	2පි 5	24°55	19°49	8°41	8°28	17°43	13°20	23°13	26°57	19°35	20°13	29°54	18°30	M19
T 20	22 28 0	5°16'37	16°36	26°50	20°53	8°37	8°38	17°50	13°18	23°15	26°57	19°34	20° 9	0ම 0	18°28	T 20
W21	22 31 57	6°14'51	1≈ 8	28°45	21°57	8°31	8°48	17°58	13°15	23°16	26°58	19°32	20° 6	0° 7	18°26	W21
T 22	22 35 53	7°13'07	15°37	0 m 41	23° 1	8°25	8°58	18° 5	13°13	23°18	26°59	19°30	20° 3	0°14	18°24	T 22
F 23	22 39 50	8°11'24	29°56	2°37	24° 4	8°18	9° 8	18°12	13°10	23°20	26°59	19°29	20° 0	0°21	18°22	F 23
S 24	22 43 47	9° 9'43	14) (1	4°32	25° 7	8°10	9°18	18°20	13° 8	23°21	27° 0	19°D29	19°57	0°27	18°21	S 24
S 25	22 47 43	10° 8'04	27°47	6°27	26°10	8° 2	9°28	18°27	13° 6	23°23	27° 0	19°29	19°53	0°34	18°19	S 25
M26	22 51 40	11° 6'27	11Υ13	8°21	27°12	7°52	9°37	18°34	13° 3	23°25	27° 1	19°29	19°50	0°41	18°17	M26
T 27	22 55 36	12° 4'52	24°16	10°14	28°14	7°42	9°46	18°42	13° 1	23°26	27° 1	19°30	19°47	0°48	18°16	T 27
W28	22 59 33	13° 3'19	78 0	12° 7	29°16	7°31	9°56	18°49	12°58	23°28	27° 2	19°31	19°44	0°54	18°14	W28
T 29	23 3 29	14° 1'48	19°25	13°59	0 M .18	7°19	10° 5	18°57	12°56	23°30	27° 2	19°31	19°41	1° 1	18°13	T 29
F 30	23 7 26	15° 0'19	1耳36	15°50	1°19	7° 7	10°14	19° 4	12°54	23°31	27° 3	19°32	19°38	1° 8	18°12	F 30
S 31	23 11 22	15 m 58'53	13耳36	17 m 40	2 M 20	6 Υ 54	109523	19 m 12	12) 51	23933	27 II 3	19°R32	19 m /34	19514	18 궁 10	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	decl decl	decl lat
T 1 F 2 S 3	15n49 15 31 15 13	11n26 4s 5 14 12 4 40 16 20 5 3	18 58 1 21	0 35 0 7	1 24 4 54	23n16 0s 8 23 16 0 8 23 15 0 8	7n32 1n59 7 29 1 59 7 27 1 59	7 4 0 48	21n12 0s25 21 11 0 25 21 11 0 25	18 26 5 2	3 58	3n31 18n23 3 32 18 23 3 33 18 24	14 50 7 23
S 4 M 5 T 6 W 7 T 8	14 55 14 37 14 18 13 59 13 40	18 22 5 8 18 12 4 51 17 13 4 21	19 9 0 17 19 6 0 3	3 1 37 0 16 3 2 8 0 20 7 2 38 0 25 3 3 9 0 30	1 19 4 57 1 17 4 58	23 15 0 8 23 15 0 8 23 14 0 8 23 14 0 8	7 24 1 59 7 21 1 59 7 18 1 59 7 16 1 59 7 13 1 59		21 11 0 25 21 10 0 25 21 10 0 25 21 10 0 25	18 26 5 2 18 26 5 2 18 26 5 2 18 26 5 2	4 0 4 1 4 3 4 5	3 35 18 24 3 36 18 24 3 37 18 24 3 38 18 24	14 51 7 22 14 52 7 22 14 52 7 21 14 53 7 21 14 54 7 21
F 9 S 10 S 11	13 21 13 2 12 42	12 57 2 46	18 51 0 24 18 40 0 36	4 4 10 0 39 5 4 40 0 44	1 11 5 3 1 11 5 4 1 10 5 5	23 13 0 8 23 12 0 8	7 10 1 59 7 7 1 59 7 4 1 59	7 10 0 48 7 11 0 49 7 12 0 49	21 9 0 25 21 9 0 25	18 26 5 2 18 26 5 2	4 8 4 9	3 41 18 25 3 42 18 25	14 54 7 20
M12 T 13 W14 T 15 F 16	12 22 12 2 11 42 11 21 11 1	2 14 0n34 1s54 1 44 6 1 2 50 9 52 3 48 13 16 4 33	18 8 0 58 17 47 1 7 17 24 1 15 16 58 1 22 16 30 1 29	3 5 41 0 54 7 6 11 0 59 5 6 41 1 4 2 7 11 1 9 7 41 1 14	1 10 5 5 1 10 5 6 1 11 5 7 1 11 5 8 1 12 5 8	23 11 0 7 23 11 0 7 23 10 0 7 23 10 0 7 23 10 0 7 23 9 0 7	7 2 1 59 6 59 1 59 6 56 1 59 6 53 1 59 6 50 1 59	7 13 0 49 7 14 0 49 7 15 0 49 7 15 0 49 7 16 0 49	21 8 0 25 21 8 0 25 21 8 0 25 21 7 0 25 21 7 0 25	18 26 5 3 18 26 5 3 18 26 5 3 18 26 5 3 18 26 5 3	4 9 4 9 4 9 4 8 4 8	3 45 18 25 3 46 18 25 3 47 18 26 3 48 18 26 3 50 18 26	14 56 7 19 14 57 7 19 14 58 7 19 14 58 7 18 14 59 7 18
S 17 S 18 M19 T 20 W21 T 22 F 23 S 24	10 40 10 19 9 58 9 36 9 15 8 53 8 31 8 10	17 42 5 16 18 21 5 8 17 49 4 41 16 7 3 57 13 24 2 57 9 52 1 46	15 26 1 38 14 52 1 42 14 15 1 45 13 36 1 47 12 56 1 48 12 15 1 48	8 8 40 1 24 2 9 9 1 29 5 9 38 1 34 7 10 7 1 40 8 10 36 1 45 8 11 4 1 50	1 14 5 8 1 15 5 9 1 17 5 9 1 18 5 9 1 21 5 9 1 23 5 9 1 26 5 9 1 28 5 8	23 8 0 7 23 8 0 7 23 7 0 7 23 6 0 7 23 6 0 7 23 5 0 6	6 47 1 59 6 45 1 59 6 42 1 59 6 39 1 59 6 36 1 59 6 30 1 59 6 30 1 59 6 27 1 59	7 17 0 49 7 18 0 49 7 19 0 49 7 20 0 49 7 21 0 49 7 22 0 49 7 23 0 49 7 24 0 49	21 6 0 25 21 6 0 25 21 6 0 25 21 5 0 25 21 5 0 25 21 5 0 25 21 5 0 25	18 26 5 3 18 26 5 3	4 8 4 8 4 9 4 9 4 10 4 10	3 51 18 26 3 52 18 26 3 53 18 26 3 55 18 27 3 56 18 27 3 57 18 27 3 58 18 27 4 0 18 27	15 0 7 17 15 1 7 17 15 2 7 16 15 2 7 16 15 3 7 15 15 4 7 15
S 25 M26 T 27 W28 T 29 F 30 S 31	7 47 7 25 7 3 6 41 6 18 5 55 5n33	1 35 0s46 2n39 1 58 6 38 3 1 10 12 3 54 13 14 4 35 15 37 5 2	10 49 1 47 10 5 1 45 9 20 1 43 8 35 1 40 7 49 1 37 7 2 1 33	7 12 0 2 1 5 12 28 2 6 6 12 56 2 11 0 13 23 2 17 7 13 50 2 22 8 14 16 2 28	1 31 5 8 1 34 5 7 1 38 5 7 1 41 5 6 1 45 5 5 1 49 5 4 1 s53 5 8 3	23 4 0 6 23 4 0 6 23 3 0 6 23 2 0 6 23 2 0 6 23 1 0 6	6 24 1 59 6 21 1 59 6 19 1 59 6 16 1 59 6 13 1 59 6 10 1 59 6n 7 1n59	7 25 0 49 7 26 0 49 7 26 0 49 7 27 0 49 7 28 0 49 7 29 0 49	21 4 0 25 21 4 0 25 21 4 0 25 21 3 0 25 21 3 0 25	18 26 5 3 18 25 5 4	4 11 4 10 4 10 4 10 4 10 4 10 4 9	4 1 18 27 4 2 18 27 4 3 18 28 4 5 18 28 4 6 18 28 4 7 18 28	15 5 7 14 15 6 7 14 15 6 7 13 15 7 7 13 15 8 7 12

Julian Day Number = 2239925.5, Delta T = 07m20s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = - $0^{\circ}00'02$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'26, Lahiri = 15°46'27 Julian Calendar 1 Aug. 1420 == Greg. Calendar 10 Aug. 1420

SEPTEMBER 1420 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(并	Р	v	ß	Ç	ę,	Day
S 1	23 15 19	16 m 57'29	25∏30	19 m 29	3M21	6°R40	10932	19 m)19	12°R49	23934	27 I 4	19°R32	19 m y31	19921	18°R 9	S 1
M 2	23 19 15	17°56'07	79523	21°17	4°22	6 Υ 26	10°40	19°27	12) (46	23°36	27° 4	19 m /32	19°28	1°28	18 궁 8	M 2
T 3	23 23 12	18°54'47	19°19	23° 4	5°22	6°11	10°49	19°34	12°44	23°37	27° 4	19°32	19°25	1°35	18° 7	T 3
W 4	23 27 9	19°53'30	1 Ω 22	24°50	6°22	5°55	10°57	19°41	12°42	23°38	27° 5	19°D32	19°22	1°41	18° 6	W 4
T 5	23 31 5	20°52'14	13°36	26°35	7°21	5°39	11° 6	19°49	12°39	23°40	27° 5	19°32	19°19	1°48	18° 5	T 5
F 6	23 35 2	21°51'01	26° 4	28°19	8°20	5°23	11°14	19°56	12°37	23°41	27° 5	19°32	19°15	1°55	18° 5	F 6
S 7	23 38 58	22°49'50	8 m 47	0 ჲ 2	9°19	5° 6	11°22	20° 4	12°34	23°43	27° 6	19°32	19°12	2° 1	18° 4	S 7
S 8	23 42 55	23°48'41	21°47	1°45	10°17	4°49	11°30	20°11	12°32	23°44	27° 6	19°R32	19° 9	2° 8	18° 3	S 8
M 9	23 46 51	24°47'33	5 ₾ 3	3°26	11°15	4°31	11°38	20°19	12°30	23°45	27° 6	19°32	19° 6	2°15	18° 3	M 9
T 10	23 50 48	25°46'28	18°35	5° 6	12°13	4°13	11°45	20°26	12°27	23°46	27° 6	19°31	19° 3	2°22	18° 2	T 10
W11	23 54 44	26°45'25	2 M .19	6°45	13°10	3°55	11°53	20°33	12°25	23°48	27° 6	19°31	18°59	2°28	18° 2	W11
T 12	23 58 41	27°44'24	16°15	8°24	14° 6	3°37	12° 0	20°41	12°23	23°49	27° 7	19°30	18°56	2°35	18° 1	T 12
F 13	0 2 38	28°43'25	0 √ 19	10° 2	15° 2	3°19	12° 8	20°48	12°21	23°50	27° 7	19°29	18°53	2°42	18° 1	F 13
S 14	0 6 34	29°42'27	14°28	11°38	15°58	3° 0	12°15	20°56	12°18	23°51	27° 7	19°28	18°50	2°48	18° 1	S 14
S 15	0 10 31	0 ჲ 41'31	28°41	13°14	16°53	2°42	12°22	21° 3	12°16	23°52	27° 7	19°D28	18°47	2°55	18° 0	S 15
M16	0 14 27	1°40'37	12 る 53	14°49	17°48	2°23	12°28	21°10	12°14	23°53	27° 7	19°28	18°44	3° 2	18° 0	M16
T 17	0 18 24	2°39'45	27° 4	16°23	18°42	2° 5	12°35	21°18	12°12	23°54	27° 7	19°29	18°40	3° 9	18°D 0	T 17
W18	0 22 20	3°38'54	11≈11	17°57	19°35	1°47	12°41	21°25	12° 9	23°55	27°R 7	19°30	18°37	3°15	18° 0	W18
T 19	0 26 17	4°38'05	25°11	19°29	20°28	1°29	12°48	21°33	12° 7	23°56	27° 7	19°31	18°34	3°22	18° 1	T 19
F 20	0 30 13	5°37'18	9 ∺ 3	21° 1	21°20	1°11	12°54	21°40	12° 5	23°57	27° 7	19°32	18°31	3°29	18° 1	F 20
S 21	0 34 10	6°36'33	22°43	22°32	22°12	0°53	13° 0	21°47	12° 3	23°58	27° 7	19°R32	18°28	3°35	18° 1	S 21
S 22	0 38 7	7°35'50	6 Υ 9	24° 3	23° 3	0°36	13° 6	21°54	12° 1	23°59	27° 7	19°31	18°24	3°42	18° 1	S 22
M23	0 42 3	8°35'09	19°20	25°32	23°53	0°19	13°12	22° 2	11°59	24° 0	27° 7	19°30	18°21	3°49	18° 2	M23
T 24	0 46 0	9°34'30	2 8 15	27° 1	24°42	0° 3	13°17	22° 9	11°57	24° 1	27° 7	19°27	18°18	3°56	18° 2	T 24
W25	0 49 56	10°33'54	14°54	28°29	25°31	29) (46	13°23	22°16	11°55	24° 2	27° 7	19°24	18°15	4° 2	18° 3	W25
T 26	0 53 53	11°33'19	27°17	29°56	26°19	29°31	13°28	22°23	11°53	24° 2	27° 6	19°20	18°12	4° 9	18° 4	T 26
F 27	0 57 49	12°32'47	9∏27	1 M 22	27° 6	29°16	13°33	22°30	11°51	24° 3	27° 6	19°17	18° 9	4°16	18° 4	F 27
S 28	1 1 46	13°32'17	21°28	2°48	27°53	29° 1	13°38	22°38	11°49	24° 4	27° 6	19°14	18° 5	4°23	18° 5	S 28
S 29	1 5 42	14°31'50	39522	4°13	28°38	28°47	13°42	22°45	11°47	24° 5	27° 6	19°12	18° 2	4°29	18° 6	S 29
M30	1 9 39	15 ≏ 31'25	159914	5 M .36	29M23	28) 34	139547	22 Mp 52	11) (45	2499 5	27 I I 6	19°D12	17 m 59	4936	18중 7	M30

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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	5n10	18n11	5 s 1 5	5n29	1n25	15s 9	2 s38	1 s57	5 s 1	23n (0 s	6	6n 4	1n59	7 s31	0s49	21n 2	0 s25	18n25	5s 4	4n 9	4n10	18n28	15 s 9	7n11
M 2	4 47	18 17	5 2	4 42	1 20	15 35	2 44	2 1	5 0	22 59	0	6	6 1	1 59	7 32	0 49	21 2	0 25	18 25	5 4	4 9	4 11	18 28	15 10	7 10
T 3	4 24	17 34	4 35	3 55	1 15	16 0	2 49	2 6	4 58	22 59	0	5	5 58	1 59	7 33	0 49	21 2	0 25	18 25	5 4	4 10	4 12	18 28	15 11	7 10
W 4	4 1	16 4	3 57	3 8	1 10	16 25	2 54	2 10	4 56	22 58	0	5	5 55	1 59	7 34	0 49	21 2	0 25	18 25	5 4	4 10	4 13	18 28	15 11	7 9
T 5	3 38	13 49	3 6	2 21	1 4	16 50	3 0	2 15	4 54	22 58	0	5	5 52	1 59	7 35	0 49	21 1	0 25	18 25	5 4	4 9	4 15	18 29	15 12	7 9
F 6	3 15	10 53	2 7	1 34	0 58	17 15	3 5	2 19	4 52	22 57	0	5	5 50	1 59	7 36	0 49	21 1	0 25	18 25	5 4	4 9	4 16	18 29	15 12	7 8
S 7	2 51	7 23	0 59	0 47	0 52	17 39	3 10	2 24	4 50	22 56	0	5	5 47	1 59	7 37	0 49	21 1	0 25	18 25	5 4	4 9	4 17	18 29	15 13	7 8
S 8	2 28	3 28	0n12	0 1	0 46	18 3	3 16	2 29	4 48	22 56	0	5	5 44	2 0	7 37	0 49	21 1	0 25	18 25	5 4	4 9	4 18	18 29	15 14	7 8
M 9	2 5	0 s43	1 25	0 s46	0 40	18 26	3 21	2 33	4 45	22 55	0	5	5 41	2 0	7 38	0 49	21 1	0 25	18 25	5 4	4 9	4 20	18 29	15 14	7 7
T 10	1 41	4 56	2 34	1 31	0 33	18 49	3 26	2 38	4 42	22 55	0	5	5 38	2 0	7 39	0 49	21 0	0 25	18 25	5 4	4 10	4 21	18 29	15 15	7 7
W11	1 18	8 57	3 35	2 17	0 27	19 11	3 31	2 43	4 40	22 54	0	5	5 35	2 0	7 40	0 49	21 0	0 25	18 25	5 4	4 10	4 22	18 29	15 15	7 6
T 12	0 54	12 31	4 25	3 2	0 20	19 34	3 37	2 47	4 37	22 54	0	5	5 32	2 0	7 41	0 49	21 0	0 25	18 25	5 4	4 10	4 23	18 29	15 16	7 6
F 13	0 31	15 24	4 59	3 47	0 13	19 55	3 42	2 52	4 34	22 53	0	4	5 29	2 0	7 42	0 48	21 0	0 25	18 24	5 4	4 11	4 25	18 29	15 16	7 5
S 14	0 7	17 23	5 15	4 31	0 6	20 17	3 47	2 56	4 30	22 52	0	4	5 27	2 0	7 43	0 48	21 0	0 25	18 24	5 5	4 11	4 26	18 29	15 17	7 4
S 15	0s17	18 18	5 12	5 15	0 s 1	20 38	3 52	3 0		22 52	0	4	5 24	2 0	7 44	0 48	20 59	0 25	18 24	5 5	4 11		18 29		7 4
M16	0 40	18 4	4 51	5 59	0 8	20 58	3 57	3 5		22 51	0	4	5 21	2 0	7 44	0 48	20 59	0 25	18 24	5 5	4 11		18 30		7 3
T 17	1 4		4 11	6 42	0 15	-	4 2	3 9		22 51	0	4	5 18	2 0	7 45		20 59	0 25	18 24	5 5	4 11		18 30		7 3
W18		14 19	3 16	7 24	0 22		4 6	3 13		22 50		4	5 15	2 0	7 46		20 59			5 5	4 10		18 30		7 2
T 19	1 51		2 11	8 6	0 29		4 11	3 16		22 50		4	5 12	2 0	7 47		20 59		18 24	5 5	4 10		18 30		7 2
F 20	2 14	7 19	0 58	8 47	0 36	22 16	4 16	3 20		22 49		4	5 9	2 0	7 48	0 48	20 58	0 25	18 24	5 5	4 9	4 33	18 30	15 20	7 1
S 21	2 38	3 10	0s18	9 28	0 43	22 34	4 20	3 23	4 5	22 49	0	4	5 7	2 0	7 48	0 48	20 58	0 25	18 24	5 5	4 9	4 35	18 30	15 20	7 1
S 22	3 1	1n 4	1 30	10 8	0 51	22 51	4 25	3 26	4 1	22 48	0	4	5 4	2 1	7 49	0 48	20 58	0 25	18 24	5 5	4 10	4 36	18 30	15 21	7 0
M23	3 25	5 10	2 37	10 48	0 58	23 9	4 29	3 29	3 57	22 48	0	3	5 1	2 1	7 50	0 48	20 58	0 25	18 24	5 5	4 10	4 37	18 30	15 21	7 0
T 24	3 48	8 56	3 34	11 27	1 5	23 25	4 34	3 32	3 53	22 47	0	3	4 58	2 1	7 51	0 48	20 58	0 25	18 24	5 5	4 11	4 38	18 30	15 22	6 59
W25	4 12	12 13	4 19	12 5	1 11	23 41	4 38	3 35	3 48	22 47	0	3	4 56	2 1	7 52	0 48	20 58	0 25	18 24	5 5	4 13	4 40	18 30	15 22	6 59
T 26	4 35	14 53	4 51	12 42	1 18	23 57	4 42	3 37	3 44	22 47	0	3	4 53	2 1	7 52	0 48	20 58	0 25	18 24	5 5	4 14	4 41	18 30	15 23	6 58
F 27	4 58	16 50	5 10	13 19	1 25	24 12	4 46	3 39	3 40	22 46	0	3	4 50	2 1	7 53	0 48	20 57	0 25	18 24	5 5	4 15	4 42	18 30	15 23	6 58
S 28	5 22	18 1	5 14	13 55	1 32	24 27	4 50	3 41	3 35	22 46	0	3	4 47	2 1	7 54	0 48	20 57	0 25	18 23	5 5	4 16	4 43	18 30	15 23	6 57
S 29	5 45	18 24	5 5	14 30	1 38	24 41	4 53	3 42	3 31	22 45	0	3	4 45	2 1	7 54	0 48	20 57	0 25	18 23	5 5	4 17	4 45	18 30	15 24	6 57
M30	6s 8	17n58	4 s42	15 s 4	1 s45	24 s 5 4	4s57	3 s44		22n45		3	4n42	2n 1	7 s55	0 s48	20n57	0 s25	18n23	5s 6	4n17	4n46	18n30	15 s24	6n56

Julian Day Number = 2239956.5, Delta T = 07m20s

Ecliptic obliquity = 23°30'44, Nutation = -0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°39'30, Lahiri = 15°46'31 Julian Calendar 1 Sept. 1420 == Greg. Calendar 10 Sept. 1420

OCTOBER 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(并	Р	ß	v	Ç	γ _k	Day
T 1	1 13 35	16 ₽ 31'02	2795 9	6 M .59	0 x ⁷ 6	28°R21	13951	22 m 59	11°R43	2495 6	27°R 5	19 m)12	17 m 56	49543	18 る 8	T 1
W 2	1 17 32	17°30'41	9Ω12	8°21	0°49	28 米 9	13°56	23° 6	11) (41	24° 6	27 II 5	19°14	17°53	4°49	18° 9	W 2
T 3	1 21 29	18°30'23	21°27	9°42	1°30	27°58	14° 0	23°13	11°39	24° 7	27° 5	19°15	17°50	4°56	18°10	T 3
F 4	1 25 25	19°30'06	3 m 59	11° 2	2°11	27°47	14° 3	23°20	11°38	24° 8	27° 4	19°17	17°46	5° 3	18°12	F 4
S 5	1 29 22	20°29'52	16°51	12°21	2°50	27°37	14° 7	23°27	11°36	24° 8	27° 4	19°R18	17°43	5°10	18°13	S 5
S 6	1 33 18	21°29'40	0 ჲ 5	13°38	3°28	27°28	14°11	23°34	11°34	24° 8	27° 4	19°17	17°40	5°16	18°14	S 6
M 7	1 37 15	22°29'31	13°41	14°55	4° 5	27°19	14°14	23°41	11°33	24° 9	27° 3	19°15	17°37	5°23	18°16	M 7
T 8	1 41 11	23°29'23	27°38	16°10	4°41	27°11	14°17	23°47	11°31	24° 9	27° 3	19°12	17°34	5°30	18°17	T 8
W 9	1 45 8	24°29'17	11 M .51	17°23	5°16	27° 5	14°20	23°54	11°29	24°10	27° 2	19° 7	17°30	5°36	18°19	W 9
T 10	1 49 4	25°29'14	26°16	18°34	5°49	26°58	14°23	24° 1	11°28	24°10	27° 2	19° 1	17°27	5°43	18°21	T 10
F 11	1 53 1	26°29'12	10 ∡ 746	19°44	6°21	26°53	14°25	24° 8	11°26	24°10	27° 1	18°55	17°24	5°50	18°22	F 11
S 12	1 56 58	27°29'11	25°16	20°52	6°51	26°49	14°27	24°14	11°25	24°10	27° 1	18°50	17°21	5°57	18°24	S 12
S 13	2 0 54	28°29'13	9 ප 40	21°57	7°20	26°45	14°30	24°21	11°24	24°11	27° 0	18°47	17°18	6° 3	18°26	S 13
M14	2 4 51	29°29'16	23°54	23° 0	7°47	26°42	14°32	24°27	11°22	24°11	27° 0	18°D46	17°15	6°10	18°28	M14
T 15	2 8 47	0ML29'20	7≈57	24° 0	8°12	26°40	14°33	24°34	11°21	24°11	26°59	18°46	17°11	6°17	18°30	T 15
W16	2 12 44	1°29'27	21°48	24°57	8°36	26°39	14°35	24°40	11°20	24°11	26°59	18°47	17° 8	6°23	18°32	W16
T 17	2 16 40	2°29'34	5 ∺ 25	25°51	8°58	26°D38	14°36	24°47	11°18	24°11	26°58	18°48	17° 5	6°30	18°34	T 17
F 18	2 20 37	3°29'43	18°51	26°41	9°18	26°39	14°37	24°53	11°17	24°R11	26°57	18°R49	17° 2	6°37	18°37	F 18
S 19	2 24 33	4°29'54	2 ℃ 5	27°26	9°36	26°40	14°38	25° 0	11°16	24°11	26°57	18°48	16°59	6°44	18°39	S 19
S 20	2 28 30	5°30'07	15° 8	28° 6	9°52	26°42	14°39	25° 6	11°15	24°11	26°56	18°45	16°56	6°50	18°41	S 20
M21	2 32 27	6°30'21	27°59	28°41	10° 6	26°45	14°40	25°12	11°14	24°11	26°55	18°40	16°52	6°57	18°44	M21
T 22	2 36 23	7°30'37	10839	29°10	10°18	26°48	14°40	25°18	11°13	24°11	26°55	18°32	16°49	7° 4	18°46	T 22
W23	2 40 20	8°30'54	23° 7	29°32	10°28	26°53	14°40	25°24	11°12	24°11	26°54	18°23	16°46	7°10	18°49	W23
T 24	2 44 16	9°31'14	5 Ⅱ 24	29°47	10°35	26°58	14°R40	25°30	11°11	24°11	26°53	18°13	16°43	7°17	18°51	T 24
F 25	2 48 13	10°31'35	17°30	29°R54	10°40	27° 3	14°40	25°36	11°10	24°10	26°52	18° 3	16°40	7°24	18°54	F 25
S 26	2 52 9	11°31'59	29°28	29°52	10°43	27°10	14°40	25°42	11° 9	24°10	26°52	17°54	16°36	7°31	18°57	S 26
S 27	2 56 6	12°32'24	119521	29°41	10°R44	27°17	14°39	25°48	11° 8	24°10	26°51	17°47	16°33	7°37	19° 0	S 27
M28	3 0 2	13°32'51	23°11	29°20	10°42	27°25	14°38	25°54	11° 8	24°10	26°50	17°42	16°30	7°44	19° 2	M28
T 29	3 3 59	14°33'20	5 Ω 3	28°48	10°38	27°34	14°38	26° 0	11° 7	24° 9	26°49	17°40	16°27	7°51	19° 5	T 29
W30	3 7 56	15°33'50	17° 3	28° 6	10°31	27°43	14°36	26° 6	11° 6	24° 9	26°48	17°D39	16°24	7°57	1 <u>9°</u> 8	W30
T 31	3 11 52	16M34'23	29 Ω 15	27 m 14	10 ₹ 22	27 米 53	14935	26Mp11	11 米 6	249 8	26 Ⅱ 47	17 m /40	16 M 21	895 4	19 る 11	T 31

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T 1	6 s 3 1	16n44 4s 8	8 15 s 38 1 s	51 25 s 7 5 s	0 3 s45	3 s22	22n45	0s 3	4n39	2n 2	7 s 5 6	0 s48	20n57	0 s25	18n23 5	s 6 4n	17 4n4	7 18n30	15 s25	6n56
W 2	6 54	14 45 3 22	2 16 11 1	57 25 20 5	4 3 45	3 17	22 44	0 2	4 37	2 2	7 57	0 48	20 57	0 25	18 23 5	6 4	17 4 4	8 18 30	15 25	6 55
T 3	7 16	12 5 2 2	7 16 42 2	3 25 32 5	7 3 46	3 13	22 44	0 2	4 34	2 2	7 57	0 48	20 57	0 25	18 23 5	6 4	16 4 5	0 18 30	15 25	6 55
F 4	7 39		3 17 13 2	8 25 43 5	0 3 46		22 44	0 2	4 31	2 2			20 57			6 4				6 54
S 5	8 2	5 0 0 13	3 17 43 2	14 25 54 5	3 46	3 4	22 44	0 2	4 29	2 2	7 58	0 48	20 57	0 25	18 23 5	6 4	15 4 5	2 18 30	15 26	6 54
S 6	8 24	0 52 0n59	9 18 12 2	19 26 4 5	5 3 45	2 59	22 43	0 2	4 26	2 2	7 59	0 48	20 56	0 25	18 23 5	6 4	15 4 5	3 18 30	15 26	6 53
M 7	8 47	3 s26 2 9	9 18 39 2	24 26 13 5	7 3 44	2 55	22 43	0 2	4 23	2 2	8 0	0 48	20 56	0 25	18 23 5	6 4	16 4 5	5 18 30	15 27	6 53
T 8	9 9	7 39 3 14	4 19 6 2	29 26 22 5	20 3 43	2 50	22 43	0 2	4 21	2 2	8 0	0 48	20 56	0 25	18 23 5	6 4	17 4 5	6 18 30	15 27	6 52
W 9	9 31	11 30 4	8 19 31 2		2 3 42		22 43	0 2	4 18	2 3			20 56		18 23 5	6 4		7 18 30		6 52
T 10	9 53	14 44 4 46	5 19 55 2	37 26 38 5	3 40	2 41	22 43	0 2	4 16	2 3	8 1	0 48	20 56	0 25	18 23 5	6 4	22 4 5	8 18 30	15 28	6 51
F 11	10 15	17 4 5	7 20 18 2	41 26 46 5	25 3 38	2 37	22 42	0 1	4 13	2 3	8 2	0 48	20 56	0 25	18 23 5	6 4	24 5	0 18 30	15 28	6 51
S 12	10 37	18 17 5	8 20 39 2	44 26 52 5	3 36	2 32	22 42	0 1	4 11	2 3	8 2	0 48	20 56	0 25	18 23 5	6 4	26 5	1 18 30	15 28	6 50
S 13	10 58	18 20 4 50	0 21 0 2	47 26 58 5	7 3 33	2 28	22 42	0 1	4 8	2 3	8 3	0 48	20 56	0 25	18 23 5	6 4	27 5	2 18 30	15 28	6 50
M14	11 19	17 13 4 14	4 21 18 2	49 27 3 5	7 3 30	2 23	22 42	0 1	4 6	2 3	8 3	0 48	20 56	0 25	18 22 5	6 4	28 5	3 18 30	15 29	6 49
T 15	11 41	15 4 3 23	3 21 35 2	51 27 8 5	8 3 27	2 19	22 42	0 1	4 3	2 3	8 4	0 48	20 56	0 25	18 22 5	6 4	28 5	4 18 30	15 29	6 49
W16	12 2	12 4 2 2	1 21 50 2	52 27 12 5	8 3 24	2 15	22 42	0 1	4 1	2 4	8 4	0 48	20 56	0 25	18 22 5	6 4	27 5	6 18 30	15 29	6 48
T 17	12 23	8 26 1 12	2 22 4 2	52 27 15 5	27 3 20	2 11	22 42	0 1	3 58	2 4	8 5	0 48	20 56	0 25	18 22 5	6 4	27 5	7 18 30	15 29	6 48
F 18	12 43	4 26 0s 0	0 22 15 2	52 27 17 5	27 3 16	2 6	22 42	0 1	3 56	2 4	8 5	0 48	20 56	0 25	18 22 5	6 4	26 5	8 18 30	15 29	6 47
S 19	13 4	0 15 1 1	1 22 25 2	51 27 19 5	25 3 12	2 2	22 42	0 0	3 54	2 4	8 6	0 48	20 56	0 25	18 22 5	7 4	27 5	9 18 30	15 29	6 47
S 20	13 24	3n52 2 1	7 22 32 2	49 27 20 5	4 3 7	1 58	22 42	0 0	3 51	2 4	8 6	0 48	20 56	0 25	18 22 5	7 4	28 5 1	1 18 30	15 30	6 46
M21	13 44	7 45 3 13	5 22 37 2	46 27 20 5	2 3 2	1 54	22 42	0 0	3 49	2 4	8 6	0 48	20 56	0 25	18 22 5	7 4	30 5 1	2 18 30	15 30	6 46
T 22	14 4	11 14 4 2	2 22 40 2	41 27 20 5	20 2 57	1 50	22 42	0 0	3 47	2 5	8 7	0 47	20 56	0 25	18 22 5	7 4	33 5 1	3 18 30	15 30	6 45
W23	14 23	14 8 4 3	7 22 39 2	36 27 19 5	7 2 52	1 46	22 42	0n 0	3 44	2 5	8 7	0 47	20 56	0 25	18 22 5	7 4	37 5 1	4 18 30	15 30	6 45
T 24	14 42	16 22 4 58	8 22 36 2	30 27 17 5	4 2 47	1 42	22 42	0 0	3 42	2 5	8 8	0 47	20 56	0 25	18 22 5	7 4	40 5 1	6 18 30	15 30	6 45
F 25	15 1	17 51 5	5 22 30 2	22 27 14 5	0 2 41	1 38	22 42	0 0	3 40	2 5	8 8	0 47	20 56	0 25	18 22 5	7 4	44 5 1	7 18 30	15 30	6 44
S 26	15 20	18 31 5 (0 22 20 2	12 27 10 5	6 2 35	1 35	22 43	0 0	3 38	2 5	8 8	0 47	20 56	0 25	18 22 5	7 4	48 5 1	8 18 30	15 30	6 44
S 27	15 39	18 22 4 4	1 22 7 2	2 27 5 5	1 2 28	1 31	22 43	0 1	3 36	2 6	8 8	0 47	20 56	0 25	18 22 5	7 4	50 5 1	9 18 30	15 30	6 43
M28	15 57	17 25 4 10	0 21 50 1	49 27 0 4	6 2 22	1 27	22 43	0 1	3 33	2 6	8 9	0 47	20 56	0 25	18 22 5	7 4	52 5 2	1 18 30	15 30	6 43
T 29	16 15	15 42 3 28	8 21 30 1	35 26 53 4			22 43	0 1	3 31	2 6	8 9	0 47	20 56	0 25	18 22 5	7 4	53 5 2	2 18 30	15 30	6 42
W30	16 33	13 17 2 30	5 21 5 1	19 26 46 4	3 2 8	1 20	22 44	0 1	3 29	2 6	8 9	0 47	20 56	0 25	18 22 5	7 4	54 5 2	3 18 30	15 30	6 42
T 31	16 s 5 1	10n15 1s3'	7 20 s36 1 s	2 26 s 38 4 s	66 2s 1	1 s 1 7	22n44	0n 1	3n27	2n 6	8s 9	0 s47	20n56	0 s25	18n22 5	s 7 4n	53 5n2	4 18n30	15 s 30	6n41

Julian Day Number = 2239986.5, Delta T = 07m20s

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

Ayanamsha: Fagan/Bradley = 16°39'35, Lahiri = 15°46'35 Julian Calendar 1 Oct. 1420 == Greg. Calendar 10 Oct. 1420

NOVEMBER 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	ß	Ω	Ç	Ŷ,	Day
F 1	3 15 49	17 M 34'57	11 mp 44	26°R13	10°R11	28) 4	14°R33	26 m 17	11°R 5	24°R 8	26°R46	17°R41	16 m 17	89911	19 궁 15	F 1
S 2	3 19 45	18°35'33	24°36	25 M 4	9 ∡ 157	28°15	14932	26°22	11 米 5	2495 8	26∏46	17 m /41	16°14	8°18	19°18	S 2
S 3	3 23 42	19°36'11	7 ≙ 54	23°48	9°40	28°27	14°30	26°28	11° 4	24° 7	26°45	17°39	16°11	8°24	19°21	S 3
M 4	3 27 38	20°36'51	21°39	22°28	9°22	28°39	14°27	26°33	11° 4	24° 7	26°44	17°34	16° 8	8°31	19°24	M 4
T 5	3 31 35	21°37'32	5 M 51	21° 6	9° 1	28°52	14°25	26°38	11° 3	24° 6	26°43	17°27	16° 5	8°38	19°28	T 5
W 6	3 35 31	22°38'14	20°27	19°46	8°38	29° 6	14°22	26°44	11° 3	24° 5	26°42	17°18	16° 1	8°44	19°31	W 6
T 7	3 39 28	23°38'59	5 √ 18	18°29	8°12	29°21	14°20	26°49	11° 3	24° 5	26°41	17° 8	15°58	8°51	19°34	T 7
F 8	3 43 24	24°39'44	20°16	17°18	7°45	29°36	14°17	26°54	11° 3	24° 4	26°40	16°57	15°55	8°58	19°38	F 8
S 9	3 47 21	25°40'31	5 ਰ 12	16°15	7°16	29°51	14°13	26°59	11° 2	24° 3	26°39	16°48	15°52	9° 5	19°41	S 9
S 10	3 51 18	26°41'19	19°58	15°22	6°45	0 Υ 7	14°10	27° 4	11° 2	24° 3	26°38	16°41	15°49	9°11	19°45	S 10
M11	3 55 14	27°42'08	4≈26	14°41	6°13	0°24	14° 7	27° 9	11°D 2	24° 2	26°37	16°36	15°46	9°18	19°49	M11
T 12	3 59 11	28°42'57	18°35	14°10	5°40	0°41	14° 3	27°14	11° 2	24° 1	26°36	16°34	15°42	9°25	19°52	T 12
W13	4 3 7	29°43'48	2) 22	13°52	5° 5	0°59	13°59	27°18	11° 2	24° 0	26°35	16°D34	15°39	9°31	19°56	W13
T 14	4 7 4	0 ∡ 44'39	15°50	13°D44	4°30	1°17	13°55	27°23	11° 2	23°59	26°34	16°R34	15°36	9°38	20° 0	T 14
F 15	4 11 0	1°45'31	29° 0	13°48	3°54	1°36	13°51	27°27	11° 3	23°59	26°33	16°33	15°33	9°45	20° 4	F 15
S 16	4 14 57	2°46'25	11 Y 56	14° 1	3°17	1°55	13°46	27°32	11° 3	23°58	26°31	16°31	15°30	9°52	20° 8	S 16
S 17	4 18 54	3°47'19	24°39	14°23	2°41	2°15	13°41	27°36	11° 3	23°57	26°30	16°26	15°27	9°58	20°12	S 17
M18	4 22 50	4°48'13	7 8 11	14°54	2° 4	2°35	13°37	27°41	11° 3	23°56	26°29	16°17	15°23	10° 5	20°16	M18
T 19	4 26 47	5°49'09	19°34	15°33	1°28	2°55	13°32	27°45	11° 4	23°55	26°28	16° 6	15°20	10°12	20°20	T 19
W20	4 30 43	6°50'06	1 Ⅱ 49	16°18	0°53	3°16	13°27	27°49	11° 4	23°54	26°27	15°53	15°17	10°18	20°24	W20
T 21	4 34 40	7°51'04	13°56	17° 8	0°19	3°38	13°21	27°53	11° 5	23°53	26°26	15°38	15°14	10°25	20°28	T 21
F 22	4 38 36	8°52'03	25°57	18° 4	29 M .46	3°59	13°16	27°57	11° 5	23°52	26°25	15°23	15°11	10°32	20°32	F 22
S 23	4 42 33	9°53'02	7 9 51	19° 5	29°14	4°22	13°10	28° 1	11° 6	23°51	26°24	15°10	15° 7	10°38	20°36	S 23
S 24	4 46 29	10°54'03	19°42	20° 9	28°43	4°44	13° 4	28° 5	11° 6	23°49	26°22	14°59	15° 4	10°45	20°41	S 24
M25	4 50 26	11°55'04	1 0 31	21°17	28°15	5° 7	12°59	28° 8	11° 7	23°48	26°21	14°50	15° 1	10°52	20°45	M25
T 26	4 54 23	12°56'07	13°22	22°28	27°48	5°31	12°52	28°12	11°8	23°47	26°20	14°45	14°58	10°59	20°49	T 26
W27	4 58 19	13°57'11	25°20	23°41	27°24	5°54	12°46	28°15	11°8	23°46	26°19	14°42	14°55	11° 5	20°54	W27
T 28	5 2 16	14°58'15	7 m) 28	24°57	27° 1	6°18	12°40	28°19	11° 9	23°45	26°18	14°41	14°52	11°12	20°58	T 28
F 29	5 6 12	15°59'20	19°52	26°14	26°41	6°43	12°33	28°22	11°10	23°43	26°17	14°41	14°48	11°19	21° 2	F 29
S 30	5 10 9	17 % 0'27	2 ॒ 38	27 M 34	26M23	7 ℃ 7	129527	28 m 25	11) (11	239542	26耳15	14 M)41	14 M)45	119525	21궁 7	S 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
F 1	17s 8	6n42	0 s32	20s 4	0 s43	26 s28	4 s 2 9	1 s54		22n44	0n 1	3n25	2n 7	8s 9		20n56		18n21	5s 7	4n53			15 s30	6n41
S 2	17 25	2 43	0n37	19 28	0 24	26 18	4 20	1 46	1 10	22 44	0 1	3 23	2 7	8 10	0 47	20 57	0 25	18 21	5 7	4 53	5 27	18 29	15 30	6 41
S 3	17 41	1 s 3 1	1 46				4 12	1 38		22 45	0 2		2 7	8 10		20 57			5 7	4 54		18 29		6 40
M 4	17 58	5 50	2 51	18 10			4 2	1 30		22 45	0 2			8 10		20 57		-	5 7	4 55		18 29		6 40
T 5	18 14	9 57	-	17 29	0 38		3 52	1 22	1 0		$\begin{array}{ccc} 0 & 2 \\ 0 & 2 \end{array}$		2 7	8 10		20 57			5 7	4 58		18 29		6 39
T 7	18 29	13 34 16 24		16 48 16 10	0 57 1 16		3 41 3 30	1 14 1 5		22 46 22 46	$\begin{array}{ccc} 0 & 2 \\ 0 & 2 \end{array}$			8 10 8 10		20 57 20 57			5 7	5 2 5 6		18 29 18 29		6 39
F 8	19 0	-		15 34	1 33		3 18	0 57		22 47	0 2		2 8	8 10		20 57			5 7	5 10		18 29		6 38
S 9		-	4 47		1 48		3 5	0 48		22 47	0 2			8 10		20 57			5 7	5 14		18 29		6 38
S 10	19 28	17 51	4 13	14 33	2 1	24 20	2 52	0 39	0 45	22 48	0 3	3 8	2 8	8 10	0 47	20 57	0 25	18 21	5 7	5 16	5 37	18 29	15 30	6 37
M11	19 42	15 55	3 24	14 11	2 13	24 1	2 39	0 29	0 43	22 48	0 3	3 6	2 9	8 10	0 47	20 57	0 25	18 21	5 7	5 18	5 38	18 29	15 30	6 37
T 12	19 56	13 3	2 23	13 53	2 21	23 42	2 25	0 20	0 40	22 49	0 3	3 5	2 9	8 10	0 47	20 58	0 25	18 21	5 7	5 19	5 39	18 29	15 29	6 37
W13	20 9			13 41	2 28		2 11	0 11		22 49	0 3	-		8 10		20 58			5 7	5 19		18 28		6 36
T 14	20 22	5 33		13 34	2 33		1 56	0 1		22 50	0 3		2 9	8 10		20 58			5 7	5 19		18 28		6 36
F 15	20 35	1 24		13 32	2 36		1 41	0n 9		22 51	0 3			8 10		20 58			5 7 5 7	5 19		18 28		6 36
S 16	20 47	2n44		13 35	2 38		1 26	0 19		22 51	0 3		2 10	8 10		20 58				5 20		18 28		6 35
S 17	20 58	-		13 41	2 38			0 29		22 52	0 4	2 57	2 10			20 58		18 21	5 7	5 22		18 28		6 35
M18 T 19	21 10	10 16 13 22		13 51 14 5	2 37	_	0 55	0 39		22 52 22 53	0 4	2 55	2 10	8 9		20 59			5 7	5 26		18 28		6 35
W20		-	4 29	14 5 14 21	2 35 2 31		0 39 0 23	0 50		22 53	0 4		2 11 2 11	8 9		20 59 20 59		-	5 7 5 7	5 30 5 35		18 28 18 28		6 34
T 21		17 35	-	14 39				1 11		22 54	0 4		2 11	8 9		20 59			5 7	5 41		18 27		6 34
F 22		18 33		14 59				1 22		22 55	0 4			8 9		20 59			5 7	5 47		18 27		6 33
S 23	22 0	18 40	4 37	15 20	2 17	19 41	0 23	1 33	0 13	22 56	0 4	2 48	2 12	8 8	0 46	20 59	0 25	18 21	5 7	5 52	5 53	18 27	15 27	6 33
S 24	22 9	17 59	4 7	15 43	2 12	19 19	0 38	1 44	0 11	22 57	0 5	2 47	2 12	8 8	0 46	21 0	0 25	18 21	5 7	5 56	5 54	18 27	15 26	6 33
M25	22 17	16 31	3 27	16 7	2 5	18 59	0 52	1 55	0 8	22 57	0 5	2 46	2 12	8 8	0 46	21 0	0 25	18 21	5 7	5 59	5 55	18 27	15 26	6 33
T 26		14 21		16 32			1 7	2 6	0 6		0 5		2 12		0 46	-	0 25	-	5 7	6 1		18 27		6 32
W27		11 32		16 57			1 20	2 17		22 59	0 5		2 13		0 46		0 25	18 21	5 7	6 2		18 27		6 32
T 28	22 40	-		17 22			1 34	2 29		23 0	0 5		2 13		0 46	-	0 25	-	5 7	6 3		18 26		6 32
F 29 S 30	22 46 22 s53	4 27 0n23		17 47 18 s 13		17 44 17 s28		2 40 2n52		23 0 23n 1	0 5 0n 5		2 13 2n13			21 1 21n 1	0 25	18 21 18n21	5 7 5s 7	6 3 6n 3		18 26 18n26		6 31 6n31
3 30	44 533	01123	11133	10513	11130	1/520	11139	21132	OH Z	2311 I	OH 3	21140	21113	05 0	0340	2111 1	0.523	101121	35 /	011 3	OII I	101120	13824	01131

Julian Day Number = 2240017.5, Delta T = 07m19s

Ecliptic obliquity = 23°30'43, Nutation = -0°00'06, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°39'39, Lahiri = 15°46'39 Julian Calendar 1 Nov. 1420 == Greg. Calendar 10 Nov. 1420

DECEMBER 1420 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	n	v	Ç	Ŗ	Day
S 1	5 14 5	18 ∡ 1'34	15 ≏ 50	28 M 55	26°R 8	7 Υ 32	12°R20	28 m 28	11) 12	23°R41	26°R14	14°R39	14 Mp 42	119532	21중11	S 1
M 2	5 18 2	19° 2'42	29°32	0 ∡ 17	25M55	7°58	129513	28°31	11°13	239540	26 I I3	14 m 34	14°39	11°39	21°16	M 2
T 3	5 21 58	20° 3'51	13 M .44	1°40	25°44	8°24	12° 6	28°34	11°14	23°38	26°12	14°27	14°36	11°46	21°20	T 3
W 4	5 25 55	21° 5'01	28°24	3° 4	25°36	8°50	11°59	28°37	11°15	23°37	26°11	14°17	14°33	11°52	21°25	W 4
T 5	5 29 52	22° 6'11	13 × 27	4°29	25°31	9°16	11°52	28°40	11°16	23°36	26° 9	14° 5	14°29	11°59	21°30	T 5
F 6	5 33 48	23° 7'22	28°42	5°55	25°28	9°42	11°45	28°43	11°18	23°34	26° 8	13°53	14°26	12° 6	21°34	F 6
S 7	5 37 45	24° 8'33	13 る 58	7°22	25°D27	10° 9	11°37	28°45	11°19	23°33	26° 7	13°43	14°23	12°12	21°39	S 7
S 8	5 41 41	25° 9'44	29° 5	8°49	25°29	10°36	11°30	28°48	11°20	23°31	26° 6	13°34	14°20	12°19	21°44	S 8
M 9	5 45 38	26°10'55	13≈54	10°17	25°34	11° 4	11°22	28°50	11°22	23°30	26° 5	13°29	14°17	12°26	21°49	M 9
T 10	5 49 34	27°12'07	28°18	11°46	25°40	11°32	11°15	28°52	11°23	23°28	26° 3	13°26	14°13	12°33	21°53	T 10
W11	5 53 31	28°13'18	12 米 15	13°15	25°49	12° 0	11° 7	28°54	11°25	23°27	26° 2	13°D25	14°10	12°39	21°58	W11
T 12	5 57 27	29°14'29	25°47	14°44	26° 0	12°28	10°59	28°56	11°26	23°25	26° 1	13°R25	14° 7	12°46	22° 3	T 12
F 13	6 1 24	0 궁 15'40	8 Ƴ 55	16°14	26°14	12°56	10°51	28°58	11°28	23°24	26° 0	13°25	14° 4	12°53	22° 8	F 13
S 14	6 5 21	1°16'51	21°43	17°44	26°29	13°25	10°44	29° 0	11°29	23°22	25°59	13°23	14° 1	12°59	22°13	S 14
S 15	6 9 17	2°18'01	4816	19°15	26°46	13°54	10°36	29° 2	11°31	23°21	25°57	13°19	13°58	13° 6	22°17	S 15
M16	6 13 14	3°19'12	16°36	20°46	27° 6	14°23	10°28	29° 3	11°33	23°19	25°56	13°12	13°54	13°13	22°22	M16
T 17	6 17 10	4°20'22	28°47	22°17	27°27	14°52	10°20	29° 5	11°34	23°18	25°55	13° 2	13°51	13°19	22°27	T 17
W18	6 21 7	5°21'32	10耳50	23°49	27°51	15°22	10°12	29° 6	11°36	23°16	25°54	12°50	13°48	13°26	22°32	W18
T 19	6 25 3	6°22'42	22°48	25°21	28°16	15°52	10° 4	29° 7	11°38	23°14	25°53	12°37	13°45	13°33	22°37	T 19
F 20	6 29 0	7°23'51	49543	26°54	28°43	16°22	9°55	29° 9	11°40	23°13	25°51	12°23	13°42	13°40	22°42	F 20
S 21	6 32 56	8°25'01	16°35	28°27	29°11	16°52	9°47	29°10	11°42	23°11	25°50	12°11	13°39	13°46	22°47	S 21
S 22	6 36 53	9°26'10	28°25	0 る	29°41	17°22	9°39	29°11	11°44	23°10	25°49	12° 1	13°35	13°53	22°52	S 22
M23	6 40 50	10°27'19	10 Ω 17	1°34	0 ∡ 13	17°52	9°31	29°11	11°46	23° 8	25°48	11°53	13°32	14° 0	22°57	M23
T 24	6 44 46	11°28'28	22°11	3° 8	0°46	18°23	9°23	29°12	11°48	23° 6	25°47	11°49	13°29	14° 6	23° 2	T 24
W25	6 48 43	12°29'37	4 Mp 1 1	4°43	1°21	18°54	9°15	29°13	11°50	23° 5	25°45	11°46	13°26	14°13	23° 7	W25
T 26	6 52 39	13°30'46	16°21	6°18	1°57	19°25	9° 7	29°13	11°52	23° 3	25°44	11°D46	13°23	14°20	23°12	T 26
F 27	6 56 36	14°31'54	28°44	7°53	2°35	19°56	8°59	29°14	11°54	23° 1	25°43	11°47	13°19	14°27	23°17	F 27
S 28	7 0 32	15°33'02	11 ≏ 26	9°29	3°13	20°27	8°51	29°14	11°56	23° 0	25°42	11°R48	13°16	14°33	23°22	S 28
S 29	7 4 29	16°34'11	24°31	11° 6	3°53	20°59	8°43	29°14	11°59	22°58	25°41	11°48	13°13	14°40	23°27	S 29
M30	7 8 25	17°35'18	8M 3	12°43	4°34	21°31	8°35	29°R14	12° 1	22°56	25°40	11°46	13°10	14°47	23°33	M30
T 31	7 12 22	18 る 36'26	22M 4	14 ට 21	5 √ 17	22 ° 2	8927	29 Mp 14	12 米 3	22955	25 Ⅱ 39	11 m /41	13 mg 7	14953	23 る 38	T 31

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S 1 M 2 T 3 W 4 T 5 F 6 S 7	23 20 23 23 23 25	17 31 5 0 18 40 4 51 18 28 4 20 16 57 3 32	19 3 1 19 28 1 19 52 0 20 15 0 20 38 0 21 1 0 21 22 0	1n22 17s13 2n12 1 15 16 59 2 23 1 7 16 45 2 34 0 59 16 33 2 45 0 52 16 22 2 55 0 44 16 12 3 4 0 36 16 4 3 13 0 29 15 56 3 21	3 15 0 5 3 27 0 7 3 39 0 9 3 51 0 11 4 3 0 12 4 15 0 14 4 27 0 16	23 3 0 6 23 4 0 6 23 5 0 6 23 6 0 6 23 7 0 6 23 7 0 7	2n39 2n14 2 38 2 14 2 37 2 14 2 36 2 15 2 36 2 15 2 35 2 15 2 34 2 15 2 33 2 16	8 5 0 46 8 5 0 46 8 4 0 46 8 4 0 46 8 3 0 46 8 3 0 46 8 2 0 46	21 2 0 25 21 3 0 25 21 3 0 25	18 21 5 7 18 21 5 7	6 6 6 9 6 12 6 17 6 21 6 25 6 29	6 4 18 26 6 5 18 26 6 6 18 25 6 7 18 25 6 9 18 25 6 10 18 25 6 11 18 25	15 22 6 30 15 21 6 30 15 21 6 30 15 20 6 29
M 9 T 10 W11 T 12 F 13 S 14	23 27 23 29 23 30 23 31 23 30 23 30 23 30	10 52 1 19 6 53 0 6 2 41 1s 5 1n32 2 11 5 35 3 8	22 2 0 22 21 0 22 39 0 22 56 0 23 12 0	Os 1 15 36 3 50	5 16 0 22 5 29 0 23	23 9 0 7 23 10 0 7 23 11 0 7 23 11 0 7 23 12 0 8	2 33 2 16 2 32 2 16 2 31 2 16 2 31 2 17 2 30 2 17 2 30 2 17 2 29 2 18	8 2 0 46 8 1 0 46 8 0 0 46 8 0 0 45 7 59 0 45 7 59 0 45 7 58 0 45	21 3 0 25 21 4 0 25 21 4 0 25 21 4 0 25 21 4 0 25	18 21 5 6 18 21 5 6 18 21 5 6 18 21 5 6 18 21 5 6	6 32 6 32 6 32 6 32 6 33		15 19 6 29 15 19 6 29 15 18 6 29 15 18 6 29 15 17 6 28
M16 T 17 W18 T 19 F 20 S 21	23 28 23 26 23 24 23 21 23 18 23 15	12 32 4 30 15 11 4 53 17 10 5 2 18 22 4 57 18 46 4 40 18 21 4 10	23 40 0 23 53 0 24 4 0 24 14 0 24 23 0 24 31 1	0 29 15 30 4 11 0 36 15 31 4 15 0 42 15 32 4 19 0 48 15 34 4 22 0 55 15 37 4 25 1 0 15 41 4 28	6 6 0 27 6 19 0 29 6 32 0 30 6 44 0 31 6 57 0 32 7 10 0 34	23 14 0 8 23 14 0 8 23 15 0 8 23 16 0 8 23 17 0 8 23 17 0 9	2 29 2 18 2 29 2 18 2 28 2 18 2 28 2 19 2 28 2 19 2 28 2 19	7 57 0 45 7 57 0 45 7 56 0 45 7 55 0 45 7 54 0 45 7 54 0 45	21 5 0 25 21 5 0 25 21 5 0 25 21 6 0 25 21 6 0 25 21 6 0 25	18 21 5 6 18 21 5 6	6 37 6 41 6 46 6 51 6 56 7 1	6 21 18 23 6 22 18 23 6 23 18 23 6 25 18 22 6 26 18 22 6 27 18 22	15 16 6 28 15 15 6 28 15 15 6 28 15 14 6 28 15 13 6 28 15 13 6 27
S 22 M23 T 24 W25 T 26 F 27 S 28	23 11 23 6 23 1 22 55 22 49 22 43 22 36	15 9 2 40 12 32 1 43 9 23 0 41 5 47 0n25 1 53 1 30 2s12 2 32	24 45 1 24 48 1 24 49 1 24 48 1 24 46 1	1 22 16 0 4 35 1 27 16 6 4 36 1 32 16 13 4 37 1 36 16 20 4 37	7 35 0 36 7 48 0 37 8 1 0 38 8 14 0 39 8 27 0 41 8 39 0 42	23 22 0 10	2 28 2 20 2 28 2 20 2 28 2 20 2 28 2 20 2 28 2 21 2 28 2 21 2 28 2 21	7 53 0 45 7 52 0 45 7 51 0 45 7 50 0 45 7 50 0 45 7 49 0 45 7 48 0 45	21 7 0 25 21 7 0 25 21 7 0 25 21 8 0 25 21 8 0 25 21 8 0 25	18 21 5 6 18 21 5 5 18 21 5 5 18 21 5 5 18 22 5 5 18 22 5 5	7 7 7 9 7 10 7 10 7 10 7 10 7 10	6 31 18 21 6 32 18 21 6 33 18 21 6 34 18 21 6 36 18 20	15 11 6 27 15 10 6 27 15 10 6 27 15 10 6 27 15 9 6 27 15 8 6 27 15 7 6 27
S 29 M30 T 31	22 29 22 21 22 s13	10 12 4 16	24 37 1	1 40 16 27 4 37 1 44 16 34 4 37 1 s47 16 s42 4n37	9 5 0 44	23 23 0 10 23 24 0 10 23n24 0n10	2 28 2 22 2 28 2 22 2n29 2n22	7 47 0 45 7 46 0 45 7 s45 0 s45		18 22 5 5	7 10	6 37 18 20 6 38 18 20 6n39 18n20	

Julian Day Number = 2240047.5, Delta T = 07m19s

Ecliptic obliquity = $23^{\circ}30'43$, Nutation = - $0^{\circ}00'05$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°39'43, Lahiri = 15°46'43 Julian Calendar 1 Dec. 1420 == Greg. Calendar 10 Dec. 1420