

Astrodienst Ephemeris Tables for the year 1440

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 1440 JC 00:00 UT

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F 1	7 13 56	19궁 0'00	26M 5	6 ට 15	21≈45	19°R 7	4≈26	28 Y 36	28°R44	5°R51	18°R54	4°R14	5 m 37	7 m 56	12 Y 52	F 1
S 2	7 17 52	20° 1'08	9 ∡ 31	7°47	21°53	18 Ⅱ 55	4°40	28°37	28 8 43	5 m 50	18952	4M) 7	5°33	8° 3	12°53	S 2
S 3	7 21 49	21° 2'15	23°23	9°21	21°59	18°44	4°54	28°38	28°42	5°49	18°51	4° 0	5°30	8°10	12°54	S 3
M 4	7 25 46	22° 3'21	7 云 40	10°55	22° 2	18°34	5° 8	28°39	28°40	5°48	18°50	3°53	5°27	8°16	12°55	M 4
T 5	7 29 42	23° 4'27	22°15	12°29	22°R 3	18°24	5°23	28°41	28°39	5°47	18°48	3°47	5°24	8°23	12°56	T 5
W 6	7 33 39	24° 5'33	7≈ 3	14° 4	22° 2	18°16	5°37	28°42	28°38	5°46	18°47	3°42	5°21	8°29	12°57	W 6
T 7	7 37 35	25° 6'37	21°55	15°39	21°58	18° 8	5°51	28°44	28°37	5°45	18°46	3°40	5°17	8°36	12°59	T 7
F 8	7 41 32	26° 7'40	6) €43	17°15	21°52	18° 1	6° 5	28°46	28°36	5°44	18°45	3°D39	5°14	8°43	13° 0	F 8
S 9	7 45 28	27° 8'43	21°21	18°52	21°43	17°55	6°19	28°48	28°35	5°42	18°43	3°40	5°11	8°49	13° 1	S 9
S 10	7 49 25	28° 9'44	5 Ƴ 45	20°29	21°31	17°50	6°34	28°50	28°34	5°41	18°42	3°42	5° 8	8°56	13° 3	S 10
M11	7 53 21	29°10'44	19°51	22° 7	21°17	17°46	6°48	28°52	28°33	5°40	18°41	3°43	5° 5	9° 3	13° 4	M11
T 12	7 57 18	0≈11'42	3 8 40	23°46	21° 1	17°42	7° 2	28°54	28°32	5°39	18°39	3°R43	5° 2	9° 9	13° 6	T 12
W13	8 1 15	1°12'40	17°11	25°25	20°42	17°40	7°16	28°56	28°31	5°37	18°38	3°42	4°58	9°16	13° 7	W13
T 14	8 5 1 1	2°13'36	0П25	27° 5	20°20	17°38	7°31	28°59	28°31	5°36	18°37	3°39	4°55	9°23	13° 9	T 14
F 15	8 9 8	3°14'31	13°25	28°46	19°57	17°36	7°45	29° 1	28°30	5°35	18°35	3°35	4°52	9°29	13°11	F 15
S 16	8 13 4	4°15'24	26°10	0≈27	19°31	17°D36	7°59	29° 4	28°29	5°33	18°34	3°30	4°49	9°36	13°13	S 16
S 17	8 17 1	5°16'16	8944	2° 9	19° 3	17°36	8°14	29° 7	28°29	5°32	18°33	3°25	4°46	9°43	13°14	S 17
M18	8 20 57	6°17'07	21° 5	3°52	18°33	17°37	8°28	29°10	28°28	5°31	18°32	3°20	4°43	9°49	13°16	M18
T 19	8 24 54	7°17'57	3 Ω 17	5°36	18° 2	17°39	8°42	29°13	28°28	5°29	18°30	3°17	4°39	9°56	13°18	T 19
W20	8 28 50	8°18'46	15°19	7°20	17°29	17°42	8°56	29°16	28°27	5°28	18°29	3°14	4°36	10° 3	13°20	W20
T 21	8 32 47	9°19'33	27°14	9° 5	16°54	17°45	9°11	29°19	28°27	5°26	18°28	3°13	4°33	10° 9	13°22	T 21
F 22	8 36 44	10°20'19	9 m y 4	10°51	16°19	17°49	9°25	29°22	28°26	5°25	18°27	3°D13	4°30	10°16	13°24	F 22
S 23	8 40 40	11°21'04	20°51	12°37	15°43	17°53	9°39	29°25	28°26	5°23	18°26	3°14	4°27	10°22	13°26	S 23
S 24	8 44 37	12°21'47	2 ॒ 39	14°24	15° 6	17°59	9°54	29°29	28°26	5°22	18°24	3°15	4°23	10°29	13°29	S 24
M25	8 48 33	13°22'30	14°31	16°12	14°28	18° 5	10° 8	29°32	28°26	5°20	18°23	3°17	4°20	10°36	13°31	M25
T 26	8 52 30	14°23'11	26°32	18° 1	13°51	18°11	10°22	29°36	28°26	5°19	18°22	3°18	4°17	10°42	13°33	T 26
W27	8 56 26	15°23'52	8 M .46	19°50	13°14	18°19	10°37	29°40	28°25	5°17	18°21	3°19	4°14	10°49	13°35	W27
T 28	9 0 23	16°24'31	21°17	21°40	12°37	18°26	10°51	29°44	28°D25	5°16	18°20	3°R19	4°11	10°56	13°38	T 28
F 29	9 4 19	17°25'09	4 ₹ 11	23°30	12° 1	18°35	11° 5	29°47	28°25	5°14	18°19	3°19	4° 8	11° 2	13°40	F 29
S 30	9 8 16	18°25'45	17°31	25°20	11°25	18°44	11°20	29°52	28°26	5°13	18°17	3°17	4° 4	11° 9	13°42	S 30
S 31	9 12 13	19≈26'21	1 ਰ 18	27≈11	10≈51	18 Ⅱ 54	11 ≈ 34	29 Y 56	28 8 26	5 m 11	18916	3 Mp 16	4 Mp 1	11 m /16	13 Y 45	S 31

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F 1 S 2	22 s10 22 1	14 s22 51 16 52 5	6n 6 24			11 s45 11 29		26n29 26 28		19 s48 19 44	0 s36 0 36	8n42 8 42		19n48 19 48		10n14 10 14	0n54 0 54	24n 6 24 6	1n57 1 57	9n59 10 2	9n29 9 30	8n49 8 47	6n 8	1n 7 1 7
S 3 M 4 T 5	21 52 21 42 21 32	19 0 4	52 24 18 24 26 24		1 16 1 21 1 26	11 0	3 23		3 26 3 25 3 25		0 36 0 37 0 37	8 43 8 44 8 45		19 47	0 8	10 15	0 54 0 54 0 54	24 6	1 57 1 57 1 57	10 4 10 7 10 9	9 31 9 32 9 34	8 45 8 44 8 42	6 8 6 9 6 9	1 7 1 7
W 6 T 7 F 8	21 21 21 10 20 59	16 19 2 13 14 1	20 24	4 16 4 10	1 31 1 35 1 39	10 33	3 52 4 7	26 23 26 22	3 24 3 24 3 23	19 31 19 28	0 37 0 37 0 37 0 37	8 46 8 46 8 47	2 27 2 27	19 47 19 46	0 8	10 16 10 16	0 54 0 54 0 54	24 7 24 7	1 57 1 57	10 11 10 12 10 12	9 35 9 36 9 37	8 40 8 39 8 37	6 9 6 10 6 10	1 7 1 7 1 7 1 6
S 9 S 10 M11	20 47 20 35 20 23	0 15 2	35 2: 46 2: 46 2:	3 42	1 43 1 47 1 50	9 57 9 47 9 37		26 1926 1826 17	3 23 3 22 3 21		0 37 0 37 0 37	8 48 8 49 8 50	2 26 2 26 2 25		0 8		0 54 0 54 0 54	24 8	1 57	10 12 10 11 10 11	9 38 9 39 9 41	8 35 8 34 8 32	6 10 6 11 6 11	1 6 1 6 1 6
T 12 W13 T 14	20 10 19 57 19 43	8 31 4 12 13 5	31 2	3 16 3 1	1 53 1 56 1 58	9 29 9 21 9 14	5 20 5 34	26 16 26 15	3 21 3 20 3 19	19 10 19 6	0 37 0 37 0 37	8 51 8 52 8 54	2 25 2 25	19 45 19 45	0 8	10 19 10 19	0 54 0 54 0 54	24 8 24 9	1 57 1 57	10 10 10 11 10 12	9 42 9 43 9 44	8 30 8 29 8 27	6 12 6 12 6 13	1 6 1 6 1 6
F 15 S 16		18 38 4	49 22	2 6	2 0 2 2	9 8 9 3		26 12	3 17	18 59 18 56	0 37 0 37	8 55 8 56	2 24	19 45	0 8	10 21	0 54 0 54	24 9	1 57	10 13 10 15	9 45 9 46	8 25 8 23	6 13 6 14	1 5 1 5
S 17 M18 T 19	18 30	18 22 3 16 56 2	16 2 31 2 37 20	1 21 0 56	2 4 2 4	8 59 8 56 8 54	6 42 6 54	26 11 26 10	3 16 3 15	18 52 18 48 18 45	0 37 0 38 0 38	8 57 8 58 9 0	2 23 2 23	19 45	0 8	10 22 10 22	0 54 0 55	24 10	1 58 1 58	10 17 10 19 10 20	9 48 9 49 9 50	8 22 8 20 8 18	6 15 6 15 6 16	1 5 1 5
W20 T 21 F 22 S 23	18 14 17 58 17 42 17 25	11 57 0 8 41 01	37 20 33 20 36 19	0 2 9 32	2 4 2 4 2 3 2 1	8 53 8 52 8 53 8 54		26 9 26 8	3 13 3 12	18 41 18 37 18 33 18 30	0 38 0 38 0 38 0 38	9 1 9 2 9 4 9 5	2 23 2 22 2 22 2 22	19 44 19 44	0 8	10 23 10 24	0 55		1 58 1 58 1 58 1 58	10 21	9 51 9 52 9 53 9 55	8 17 8 15 8 13 8 12	6 16 6 17 6 18 6 19	1 5 1 5 1 5 1 4
S 24 M25 T 26	17 9 16 51 16 34	2 s32 3	36 18 29 17 14 17	-	2 0 1 57 1 54	8 57 9 0 9 4	7 44 7 52 7 59	26 7	3 10 3 9 3 8		0 38 0 38 0 38	9 7 9 8 9 10	2 22 2 21 2 21	19 44 19 44 19 44	0 8	10 26	0 55 0 55 0 55	24 11		10 20 10 20 10 19	9 56 9 57 9 58	8 10 8 8 8 6	6 19 6 20 6 21	1 4 1 4 1 4
W27 T 28 F 29	16 16 15 58 15 40	9 54 4 13 9 5 15 51 5	48 10 10 10 17 1:	6 40 6 1 5 20	1 51 1 47 1 42	9 8 9 14 9 20	8 5 8 10 8 14	26 6 26 6 26 5	3 7 3 6 3 5	18 15 18 11 18 7	0 38 0 38 0 39	9 11 9 13 9 15	2 21 2 20 2 20	19 44 19 44 19 44	0 8 0 8 0 8	10 27 10 27 10 28	0 55 0 55 0 55	24 12 24 12 24 12	1 58 1 58 1 58	10 19 10 19 10 19	9 59 10 0 10 2	8 5 8 3 8 1	6 22 6 22 6 23	1 4 1 4 1 4
S 30 S 31		17 49 5 18 s 50 4i	7 14 n40 1	4 38 3 s 5 4	1 37 1 s31	9 26 9 s 3 3	8 17 8n19	26 5 26n 5		18 3 17 s 5 9	0 39 0 s39	9 16 9n18		19 44 19n44		10 29 10n29		24 12 24n13		10 20 10n20		8 0 7n58	6 24 6n25	1 4 1n 3

Julian Day Number = 2247017.5, Delta T = 06m47s

Ecliptic obliquity = $23^{\circ}30'34$, Nutation = - $0^{\circ}00'07$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°55'40, Lahiri = 16°02'41 Julian Calendar 1 Jan. 1440 == Greg. Calendar 10 Jan. 1440

FEBRUARY 1440 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	រា	ນ	Ç	ķ	Day
M 1	9 16 9	20≈26'55	15 る 32	29≈ 2	10°R18	19 I I 4	11≈48	29 Y 59	28826	5°R 9	18°R15	3°R14	3 m 58	11 m 22	13 Y 47	M 1
T 2	9 20 6	21°27'28	0≈11	0 ₩53	9≈47	19°15	12° 2	0 8 4	28°26	5Mm) 8	189514	3 m 12	3°55	11°29	13°50	T 2
W 3	9 24 2	22°27'59	15° 8	2°44	9°18	19°27	12°17	0° 9	28°26	5° 6	18°13	3°11	3°52	11°36	13°53	W 3
T 4	9 27 59	23°28'29	0 ∺ 15	4°34	8°50	19°39	12°31	0°13	28°27	5° 4	18°12	3°D11	3°48	11°42	13°55	T 4
F 5	9 31 55	24°28'57	15°24	6°24	8°25	19°51	12°45	0°18	28°27	5° 3	18°11	3°11	3°45	11°49	13°58	F 5
S 6	9 35 52	25°29'23	0 Υ 25	8°12	8° 1	20° 4	12°59	0°22	28°28	5° 1	18°10	3°12	3°42	11°56	14° 1	S 6
S 7	9 39 48	26°29'48	15°10	9°59	7°40	20°18	13°13	0°27	28°28	5° 0	18° 9	3°12	3°39	12° 2	14° 3	S 7
M 8	9 43 45	27°30'10	29°34	11°44	7°21	20°32	13°28	0°32	28°29	4°58	18° 8	3°13	3°36	12° 9	14° 6	M 8
T 9	9 47 42	28°30'30	13 8 34	13°27	7° 4	20°47	13°42	0°37	28°29	4°56	18° 7	3°13	3°33	12°15	14° 9	T 9
W10	9 51 38	29°30'49	27°10	15° 7	6°50	21° 2	13°56	0°42	28°30	4°55	18° 6	3°R13	3°29	12°22	14°12	W10
T 11	9 55 35	0) €31'05	10∏22	16°43	6°38	21°17	14°10	0°47	28°31	4°53	18° 5	3°13	3°26	12°29	14°15	T 11
F 12	9 59 31	1°31'19	23°13	18°16	6°29	21°33	14°24	0°52	28°32	4°51	18° 4	3°13	3°23	12°35	14°18	F 12
S 13	10 3 28	2°31'32	59647	19°44	6°22	21°50	14°38	0°57	28°32	4°50	18° 3	3°13	3°20	12°42	14°21	S 13
S 14	10 7 24	3°31'42	18° 6	21° 7	6°18	22° 7	14°52	1° 2	28°33	4°48	18° 2	3°D13	3°17	12°49	14°24	S 14
M15	10 11 21	4°31'50	$0\Omega14$	22°25	6°D16	22°24	15° 6	1° 8	28°34	4°46	18° 2	3°13	3°14	12°55	14°27	M15
T 16	10 15 17	5°31'56	12°13	23°36	6°17	22°42	15°20	1°13	28°35	4°45	18° 1	3°13	3°10	13° 2	14°30	T 16
W17	10 19 14	6°32'00	24° 6	24°40	6°20	23° 0	15°33	1°19	28°36	4°43	18° 0	3°13	3° 7	13° 9	14°33	W17
T 18	10 23 11	7°32'02	5 Mp 56	25°37	6°25	23°18	15°47	1°24	28°37	4°41	17°59	3°R14	3° 4	13°15	14°36	T 18
F 19	10 27 7	8°32'02	17°44	26°27	6°32	23°37	16° 1	1°30	28°38	4°40	17°58	3°13	3° 1	13°22	14°39	F 19
S 20	10 31 4	9°32'01	29°32	27° 8	6°42	23°57	16°15	1°35	28°40	4°38	17°58	3°13	2°58	13°29	14°43	S 20
S 21	10 35 0	10°31'57	11 ≏ 24	27°41	6°54	24°16	16°29	1°41	28°41	4°36	17°57	3°12	2°54	13°35	14°46	S 21
M22	10 38 57	11°31'52	23°21	28° 5	7° 8	24°36	16°42	1°47	28°42	4°35	17°56	3°11	2°51	13°42	14°49	M22
T 23	10 42 53	12°31'44	5M26	28°20	7°25	24°57	16°56	1°53	28°43	4°33	17°55	3°10	2°48	13°48	14°52	T 23
W24	10 46 50	13°31'36	17°42	28°R27	7°43	25°17	17°10	1°59	28°45	4°31	17°55	3° 8	2°45	13°55	14°56	W24
T 25	10 50 46	14°31'25	0 ∡ 14	28°24	8° 3	25°38	17°23	2° 5	28°46	4°30	17°54	3° 7	2°42	14° 2	14°59	T 25
F 26	10 54 43	15°31'13	13° 4	28°14	8°25	26° 0	17°37	2°11	28°48	4°28	17°54	3°D 7	2°39	14° 8	15° 2	F 26
S 27	10 58 39	16°30'59	26°16	27°55	8°49	26°21	17°50	2°17	28°49	4°26	17°53	3° 7	2°35	14°15	15° 6	S 27
S 28	11 2 36	17°30'43	9 ප 52	27°29	9°14	26°43	18° 4	2°23	28°51	4°25	17°52	3° 8	2°32	14°22	15° 9	S 28
M29	11 6 33	18) € 30′26	23 궁 54	26 ¥ 55	9≈41	27 I I 6	18 ≈ 17	2 8 30	28 8 53	4 Mp 23	179552	3 Mm 9	2 Mp 29	14Mp28	15 Y 13	M29

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M 1	14 s43	18 s43		13 s10		9s41		26n 5		17 s55		9n20		19n44				24n13			10n 5	7n56	6n26	1n 3
T 2	14 24			12 24	1 17	9 48	8 20		3 1		0 39	9 21		19 44	-			24 13		10 22		7 54	6 27	1 3
W 3	14 4			11 37	1 10	9 56	8 20	-	3 0		0 39	9 23	2 19					24 13		10 22		7 53	6 27	1 3
T 4	13 44	-		10 49	1 1	10 5	8 18		2 59		0 39	9 25	2 19		-			24 13		10 22		7 51	6 28	1 3
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S 6	13 4	2 4	2 26	9 10	0 42	10 22	8 13	26 4	2 56	17 36	0 39	9 29	2 18	19 45	0 8	10 33	0 55	24 14	1 58	10 22	10 11	7 47	6 30	1 3
S 7	12 43	2n43	3 33	8 20	0 31	10 31	8 9	26 4	2 55	17 32	0 39	9 31	2 18	19 45	0 8	10 34	0 55	24 14	1 58	10 22	10 12	7 46	6 31	1 3
M 8	12 23	7 13	4 25	7 30	0 20	10 40	8 5	26 4	2 54		0 40	9 32		19 45		10 34	0 55	24 14			10 13	7 44	6 32	1 2
T 9	12 2	11 11	5 0	6 40	0 9	10 49	8 0	26 4	2 53	17 24	0 40	9 34	2 17	19 45	0 8	10 35	0 55	24 14	1 58	10 21	10 14	7 42	6 33	1 2
W10		14 27	5 16		0n 4		7 54		2 52		0 40	9 36			0 8		0 55				10 15	7 41	6 34	1 2
T 11		16 52	5 16	5 0	0 17	11 6	7 48	-	2 51		0 40	9 38	2 17					24 15			10 17	7 39	6 35	1 2
F 12		18 22	4 59	4 12		-	7 41			17 12	0 40	9 40		19 46	-	10 37		24 15			10 18	7 37	6 36	1 2
S 13	10 36	18 55	4 28	3 25	0 44	11 24	7 34	26 4	2 49	17 8	0 40	9 42	2 16	19 46	0 8	10 37	0 55	24 15	1 59	10 21	10 19	7 35	6 37	1 2
S 14	10 15	18 33	3 46	2 39	0 58	11 32	7 27	26 4	2 48	17 4	0 40	9 44	2 16	19 46	0 8	10 38	0 55	24 15	1 59	10 21	10 20	7 34	6 38	1 2
M15	9 53	17 20	2 54	1 55	1 12	11 40	7 19	26 4	2 47	17 0	0 40	9 46	2 16	19 46	0 8	10 39	0 55	24 15	1 59	10 21	10 21	7 32	6 40	1 2
T 16	9 31	15 21	1 54	1 14	1 26	11 48	7 11	26 4	2 46	16 56	0 40	9 49	2 16	19 47	0 8	10 39	0 55	24 15	1 59	10 21	10 22	7 30	6 41	1 2
W17	9 8	12 44	0 51	0 35	1 40	11 55	7 3	26 4	2 45	16 52	0 41	9 51	2 16	19 47	0 8	10 40	0 55	24 15	1 59	10 21	10 23	7 28	6 42	1 1
T 18	8 46	9 36	0n15	0n 0	1 54	12 2	6 54	26 4	2 44	16 48	0 41	9 53	2 15	19 47	0 8	10 40	0 55	24 16	1 59	10 21	10 25	7 27	6 43	1 1
F 19	8 24	6 5	1 20	0 33	2 8	12 9	6 45	26 4	2 43	16 44	0 41	9 55	2 15	19 47	0 8	10 41	0 55	24 16	1 59	10 21	10 26	7 25	6 44	1 1
S 20	8 1	2 21	2 21	1 1	2 22	12 15	6 36	26 4	2 42	16 40	0 41	9 57	2 15	19 48	0 8	10 42	0 55	24 16	1 59	10 21	10 27	7 23	6 45	1 1
S 21	7 38	1 s30	3 17	1 26	2 35	12 21	6 27	26 4	2 41	16 36	0 41	9 59	2 15	19 48	0 8	10 42	0 55	24 16	1 59	10 22	10 28	7 21	6 46	1 1
M22	7 16	5 19	4 4	1 47	2 47	12 27	6 17	26 4	2 40	16 32	0 41	10 2	2 14	19 48	0 8	10 43	0 55	24 16	1 59	10 22	10 29	7 19	6 47	1 1
T 23	6 53	8 57	4 41	2 3	2 58	12 32	6 8	26 3	2 39	16 28	0 41	10 4	2 14	19 49	0 8	10 44	0 55	24 16	1 59	10 23	10 30	7 18	6 49	1 1
W24	6 30	12 16	5 6	2 15	3 8	12 37	5 58	26 3	2 38	16 24	0 41	10 6	2 14	19 49	0 8	10 44	0 55	24 16	1 59	10 23	10 31	7 16	6 50	1 1
T 25	6 7	15 6	5 17	2 22	3 16	12 41	5 49	26 3	2 37	16 20	0 42	10 8	2 14	19 49	0 8	10 45	0 55	24 16	1 59	10 23	10 33	7 14	6 51	1 1
F 26	5 43	17 16	5 13	2 25	3 24	12 45	5 39	26 3	2 36	16 16	0 42	10 11	2 14	19 50	0 8	10 45	0 55	24 16	1 59	10 23	10 34	7 12	6 52	1 0
S 27	5 20	18 36	4 52	2 22	3 30	12 48	5 30	26 2	2 35	16 12	0 42	10 13	2 13	19 50	0 8	10 46	0 55	24 17	1 59	10 23	10 35	7 11	6 53	1 0
S 28	4 57	18 55	4 15	2 16	3 34	12 51	5 20	26 2	2 34	16 8	0 42	10 15	2 13	19 50	0 8	10 47	0 55	24 17	1 59	10 23	10 36	7 9	6 55	1 0
M29			3n21	2n 5		12 s53		26n 1		16s 4		10n17		19n51	-	10n47		24n17			10n37	7n 7	6n56	1n 0

Julian Day Number = 2247048.5, Delta T = 06m47s

Ecliptic obliquity = $23^{\circ}30'35$, Nutation = - $0^{\circ}00'06$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°55'44, Lahiri = 16°02'45 Julian Calendar 1 Feb. 1440 == Greg. Calendar 10 Feb. 1440

MARCH 1440 JC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ð	4	ħ)∤(¥	В	n	Ω	Ç	ķ	Day
T 1	11 10 29	19 ¥ 30'07	8 ≈ 21	26°R16	10≈10	27 II 28	18≈30	2 8 36	28 8 54	4°R21	17°R51	3 Mp 10	2 m 26	14 m)35	15 Y 16	T 1
W 2	11 14 26	20°29'46	23°10	25 \ 32	10°40	27°51	18°43	2°43	28°56	4 m 20	17951	3°11	2°23	14°42	15°20	W 2
T 3	11 18 22	21°29'23	8) 15	24°43	11°12	28°14	18°57	2°49	28°58	4°18	17°50	3°R11	2°20	14°48	15°23	T 3
F 4	11 22 19	22°28'58	23°28	23°52	11°45	28°38	19°10	2°55	28°59	4°17	17°50	3°10	2°16	14°55	15°27	F 4
S 5	11 26 15	23°28'31	8 Y 38	22°59	12°20	29° 2	19°23	3° 2	29° 1	4°15	17°49	3° 9	2°13	15° 2	15°30	S 5
S 6	11 30 12	24°28'01	23°38	22° 5	12°56	29°26	19°36	3° 9	29° 3	4°14	17°49	3° 6	2°10	15° 8	15°34	S 6
M 7	11 34 8	25°27'30	8 8 17	21°11	13°33	29°50	19°49	3°15	29° 5	4°12	17°49	3° 3	2° 7	15°15	15°37	M 7
T 8	11 38 5	26°26'56	22°31	20°19	14°11	09915	20° 2	3°22	29° 7	4°10	17°48	3° 0	2° 4	15°22	15°41	T 8
W 9	11 42 2	27°26'20	6 Ⅱ 18	19°30	14°50	0°39	20°15	3°29	29° 9	4° 9	17°48	2°58	2° 0	15°28	15°45	W 9
T 10	11 45 58	28°25'42	19°36	18°44	15°31	1° 4	20°28	3°36	29°11	4° 7	17°47	2°56	1°57	15°35	15°48	T 10
F 11	11 49 55	29°25'02	29	18° 1	16°13	1°30	20°40	3°43	29°13	4° 6	17°47	2°D56	1°54	15°41	15°52	F 11
S 12	11 53 51	0 Υ 24'19	15° 0	17°24	16°55	1°55	20°53	3°49	29°16	4° 5	17°47	2°57	1°51	15°48	15°55	S 12
S 13	11 57 48	1°23'33	27°14	16°51	17°39	2°21	21° 6	3°56	29°18	4° 3	17°47	2°58	1°48	15°55	15°59	S 13
M14	12 1 44	2°22'46	9Ω14	16°24	18°23	2°47	21°18	4° 3	29°20	4° 2	17°46	3° 0	1°45	16° 1	16° 3	M14
T 15	12 5 41	3°21'56	21° 7	16° 2	19° 9	3°13	21°31	4°10	29°22	4° 0	17°46	3° 2	1°41	16° 8	16° 7	T 15
W16	12 9 37	4°21'03	2 m 55	15°46	19°55	3°40	21°43	4°17	29°25	3°59	17°46	3°R 2	1°38	16°15	16°10	W16
T 17	12 13 34	5°20'09	14°42	15°35	20°42	4° 6	21°55	4°25	29°27	3°57	17°46	3° 1	1°35	16°21	16°14	T 17
F 18	12 17 31	6°19'12	26°30	15°D31	21°30	4°33	22° 7	4°32	29°29	3°56	17°46	2°59	1°32	16°28	16°18	F 18
S 19	12 21 27	7°18'14	8 ₾ 23	15°31	22°19	5° 0	22°20	4°39	29°32	3°55	17°46	2°55	1°29	16°35	16°21	S 19
S 20	12 25 24	8°17'13	20°22	15°37	23° 9	5°27	22°32	4°46	29°34	3°53	17°46	2°50	1°25	16°41	16°25	S 20
M21	12 29 20	9°16'10	2M29	15°49	23°59	5°54	22°44	4°53	29°37	3°52	17°46	2°43	1°22	16°48	16°29	M21
T 22	12 33 17	10°15'05	14°45	16° 5	24°50	6°22	22°56	5° 1	29°39	3°51	17°D46	2°36	1°19	16°55	16°33	T 22
W23	12 37 13	11°13'59	27°11	16°26	25°42	6°50	23° 8	5° 8	29°42	3°50	17°46	2°30	1°16	17° 1	16°36	W23
T 24	12 41 10	12°12'50	9 ₹ 51	16°52	26°34	7°18	23°19	5°15	29°44	3°48	17°46	2°25	1°13	17° 8	16°40	T 24
F 25	12 45 6	13°11'40	22°45	17°22	27°27	7°46	23°31	5°23	29°47	3°47	17°46	2°21	1°10	17°15	16°44	F 25
S 26	12 49 3	14°10'28	5 ₹ 55	17°57	28°20	8°14	23°43	5°30	29°50	3°46	17°46	2°19	1° 6	17°21	16°48	S 26
S 27	12 52 59	15° 9'15	19°25	18°35	29°15	8°42	23°54	5°38	29°52	3°45	17°46	2°D19	1° 3	17°28	16°51	S 27
M28	12 56 56	16° 8'00	3≈15	19°17	0 ∺ 9	9°11	24° 5	5°45	29°55	3°44	17°46	2°20	1° 0	17°35	16°55	M28
T 29	13 0 53	17° 6'43	17°26	20° 3	1° 4	9°40	24°17	5°53	29°58	3°42	17°46	2°21	0°57	17°41	16°59	T 29
W30	13 4 49	18° 5'24	1) (57	20°53	2° 0	10° 8	24°28	6° 0	0 <u>I</u> I 1	3°41	17°46	2°R22	0°54	17°48	17° 3	W30
T 31	13 8 46	19 ° 4'03	16 ∺ 46	21 米 45	2 米 56	10937	24≈39	6 8 8	0 Ⅱ 4	3 M 40	179547	2 m 21	0 m 51	17 m 54	17 ℃ 7	T 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 W 2 T 3	4 s10 3 47 3 23	16s 5 2n13 12 58 0 55 8 56 0s28	1n50 3n37 1 31 3 35 1 8 3 32	5 12 57 4 51	26 0 2 31	15 56 0 42	10 22 2 13	19n51 0s 8 19 51 0 8 19 52 0 8	10 48 0 55	24 17 1 59	10n22 10n38 10 22 10 39 10 22 10 41	7n 5 7 4 7 2	6n57 1n 0 6 58 1 0 7 0 1 0
F 4 S 5	2 59 2 36	4 17 1 50 0n37 3 4	0 43 3 27 0 16 3 20	7 12 58 4 32	25 59 2 29	15 48 0 43	10 27 2 12 10 29 2 12	19 52 0 7	10 49 0 55	24 17 1 59	10 22 10 41 10 22 10 42 10 23 10 43	7 0 6 58	7 1 1 0 7 2 1 0
S 6 M 7 T 8 W 9 T 10 F 11	1 1 0 38	9 47 4 46 13 27 5 10 16 15 5 15		1 12 55 4 3 9 12 53 3 54 6 12 51 3 45 3 12 48 3 36	25 57 2 26 25 56 2 25 25 55 2 24 25 53 2 23	15 36 0 43 15 32 0 43	10 34 2 12 10 37 2 12 10 39 2 12 10 42 2 11	19 54 0 7 19 54 0 7 19 54 0 7 19 55 0 7		24 17 1 59 24 17 1 59 24 18 1 59 24 18 1 59	10 24 10 44 10 25 10 45 10 26 10 46 10 27 10 47 10 27 10 49 10 28 10 50	6 56 6 55 6 53 6 51 6 49 6 47	7 4 1 0 7 5 1 0 7 6 0 59 7 8 0 59 7 9 0 59 7 10 0 59
S 12 S 13 M14 T 15 W16 T 17 F 18 S 19	0 33	13 29 1 5	3 16 1 53 3 43 1 38 4 8 1 22 4 31 1 6 4 51 0 51 5 9 0 33 5 25 0 20 5 39 0 5	8 12 35 3 9 2 12 30 3 0 5 12 25 2 51 1 12 18 2 43 5 12 12 2 34	25 50 2 20 25 48 2 19 25 47 2 19 25 45 2 18 25 43 2 17 25 42 2 16	15 12 0 44 15 8 0 44 15 4 0 44	10 51 2 11 10 54 2 11 10 56 2 10 10 59 2 10 11 1 2 10	19 56 0 7 19 57 0 7 19 57 0 7 19 58 0 7 19 58 0 7 19 59 0 7	10 54 0 55 10 55 0 55 10 55 0 55 10 56 0 55 10 56 0 55 10 57 0 55	24 18 1 59 24 18 1 59	10 27 10 51 10 27 10 52 10 26 10 53 10 25 10 54 10 25 10 55 10 26 10 57 10 26 10 58 10 28 10 59	6 46 6 44 6 42 6 40 6 38 6 37 6 35 6 33	7 11 0 59 7 13 0 59 7 14 0 59 7 16 0 59 7 17 0 59 7 18 0 59 7 20 0 59 7 21 0 58
S 20 M21 T 22 W23 T 24 F 25 S 26	3 18 3 41 4 4 4 27 4 50	4 26 3 50 8 10 4 29 11 36 4 56 14 34 5 9 16 55 5 8 18 28 4 51	5 49 0s 9 5 58 0 23 6 3 0 36 6 7 0 48	9 11 48 2 10 3 11 39 2 2 2 5 11 30 1 54 3 11 20 1 46 0 11 9 1 38 2 10 58 1 31	25 38 2 14 25 36 2 13 25 34 2 12 25 31 2 12 25 29 2 11 25 27 2 10	14 45 0 45 14 42 0 45 14 38 0 46 14 34 0 46	11 7 2 10 11 9 2 10 11 12 2 10 11 14 2 10 11 17 2 9 11 19 2 9	20 0 0 7 20 1 0 7 20 1 0 7 20 2 0 7 20 2 0 7 20 2 0 7 20 3 0 7	10 58 0 55 10 58 0 55 10 59 0 55	24 18 1 59 24 18 1 59	10 30 11 0 10 32 11 1 10 35 11 2 10 37 11 3 10 39 11 5 10 40 11 6	6 31 6 29 6 28 6 26 6 24 6 22 6 20	7 22 0 58 7 24 0 58 7 25 0 58 7 26 0 58 7 28 0 58 7 29 0 58 7 31 0 58
S 27 M28 T 29 W30 T 31	6 22 6 44		5 49 1 42 5 39 1 51 5 27 1 59	2 10 22 1 9 1 10 10 1 2 9 9 56 0 55	25 18 2 7 25 16 2 6 25 13 2 6	14 16 0 47 14 12 0 47	11 27 2 9 11 30 2 9 11 32 2 9	20 5 0 7 20 5 0 7 20 6 0 7	11 2 0 55	24 18 2 0 24 18 2 0 24 18 2 0	10 41 11 8 10 41 11 9 10 40 11 10 10 40 11 11 10n40 11n12	6 18 6 17 6 15 6 13 6n11	7 32 0 58 7 33 0 58 7 35 0 58 7 36 0 58 7n37 0n58

Julian Day Number = 2247077.5, Delta T = 06m47s

Ecliptic obliquity = $23^{\circ}30'36$, Nutation = - $0^{\circ}00'07$, out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 16^{\circ}55'48, Lahiri = 16^{\circ}02'49 \ Julian \ Calendar \ 1 \ March \ 1440 == Greg. \ Calendar \ 10 \ March \ 1440 = 100'40' \ March \ 1440' \ Marc$

APRIL 1440 JC 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ)Å(¥	Р	ß	Ω	Ç	ķ	Day
F 1	13 12 42	20 ° 2'41	1 Υ 45	22) 41	3 ¥ 53	1199 7	24≈50	6 8 15	0 I 6	3°R39	179547	2°R18	0 m 47	18 m) 1	17 Y 10	F 1
S 2	13 16 39	21° 1'17	16°48	23°39	4°50	11°36	25° 1	6°23	0° 9	3 m 38	17°47	2 m) 13	0°44	18° 8	17°14	S 2
S 3	13 20 35	21°59'51	1845	24°41	5°48	12° 5	25°12	6°30	0°12	3°37	17°47	2° 6	0°41	18°14	17°18	S 3
M 4	13 24 32	22°58'23	16°27	25°45	6°45	12°35	25°23	6°38	0°15	3°36	17°48	1°58	0°38	18°21	17°22	M 4
T 5	13 28 28	23°56'52	0 Ⅱ 47	26°52	7°44	13° 5	25°33	6°46	0°18	3°35	17°48	1°50	0°35	18°28	17°25	T 5
W 6	13 32 25	24°55'20	14°40	28° 1	8°43	13°35	25°44	6°53	0°21	3°34	17°48	1°43	0°31	18°34	17°29	W 6
T 7	13 36 22	25°53'46	28° 5	29°13	9°42	14° 5	25°54	7° 1	0°24	3°33	17°49	1°37	0°28	18°41	17°33	T 7
F 8	13 40 18	26°52'10	1199 2	o Υ 27	10°41	14°35	26° 5	7° 9	0°27	3°33	17°49	1°34	0°25	18°48	17°37	F 8
S 9	13 44 15	27°50'31	23°36	1°43	11°41	15° 5	26°15	7°16	0°30	3°32	17°50	1°D33	0°22	18°54	17°40	S 9
S 10	13 48 11	28°48'51	5 Ω 50	3° 2	12°41	15°36	26°25	7°24	0°33	3°31	17°50	1°33	0°19	19° 1	17°44	S 10
M11	13 52 8	29°47'08	17°50	4°22	13°42	16° 6	26°35	7°32	0°37	3°30	17°50	1°34	0°16	19°8	17°48	M11
T 12	13 56 4	0845'23	29°41	5°45	14°42	16°37	26°45	7°39	0°40	3°29	17°51	1°R34	0°12	19°14	17°52	T 12
W13	14 0 1	1°43'36	11 m)28	7°10	15°44	17° 8	26°55	7°47	0°43	3°29	17°51	1°34	0° 9	19°21	17°55	W13
T 14	14 3 57	2°41'47	23°16	8°37	16°45	17°39	27° 4	7°55	0°46	3°28	17°52	1°31	0° 6	19°28	17°59	T 14
F 15	14 7 54	3°39'56	5 ₾ 8	10° 6	17°47	18°10	27°14	8° 3	0°49	3°27	17°53	1°26	0° 3	19°34	18° 3	F 15
S 16	14 11 51	4°38'04	17° 7	11°37	18°49	18°41	27°23	8°10	0°52	3°27	17°53	1°19	29 Ω 59	19°41	18° 6	S 16
S 17	14 15 47	5°36'09	29°16	13°10	19°51	19°12	27°33	8°18	0°56	3°26	17°54	1° 9	29°56	19°48	18°10	S 17
M18	14 19 44	6°34'13	11 M .36	14°44	20°53	19°44	27°42	8°26	0°59	3°25	17°54	0°58	29°53	19°54	18°14	M18
T 19	14 23 40	7°32'15	24° 7	16°21	21°56	20°15	27°51	8°34	1° 2	3°25	17°55	0°46	29°50	20° 1	18°17	T 19
W20	14 27 37	8°30'16	6 ₹ 51	18° 0	22°59	20°47	28° 0	8°42	1° 6	3°24	17°56	0°35	29°47	20° 8	18°21	W20
T 21	14 31 33	9°28'15	19°46	19°41	24° 2	21°18	28° 9	8°49	1° 9	3°24	17°57	0°25	29°44	20°14	18°24	T 21
F 22	14 35 30	10°26'13	2 ප 53	21°23	25° 6	21°50	28°17	8°57	1°12	3°23	17°57	0°18	29°41	20°21	18°28	F 22
S 23	14 39 26	11°24'09	16°13	23° 8	26°10	22°22	28°26	9° 5	1°16	3°23	17°58	0°13	29°37	20°27	18°31	S 23
S 24	14 43 23	12°22'04	29°45	24°54	27°14	22°54	28°34	9°13	1°19	3°23	17°59	0°11	29°34	20°34	18°35	S 24
M25	14 47 20	13°19'58	13 ≈ 32	26°43	28°18	23°26	28°42	9°20	1°22	3°22	18° 0	0°D10	29°31	20°41	18°39	M25
T 26	14 51 16	14°17'50	27°33	28°33	29°22	23°58	28°51	9°28	1°26	3°22	18° 0	0°R10	29°28	20°47	18°42	T 26
W27	14 55 13	15°15'41	11) (48	0 8 26	0Y27	24°30	28°59	9°36	1°29	3°22	18° 1	0°10	29°25	20°54	18°46	W27
T 28	14 59 9	16°13'31	26°16	2°20	1°32	25° 3	29° 7	9°44	1°33	3°21	18° 2	0° 8	29°22	21° 1	18°49	T 28
F 29	15 3 6	17°11'20	10 Y 54	4°16	2°37	25°35	29°14	9°51	1°36	3°21	18° 3	0° 3	29°18	21° 7	18°52	F 29
S 30	15 7 2	18 岁 9'08	25 Y 36	6 8 14	3 Υ 42	2695 8	29≈22	9 8 59	1 Ⅱ 40	3 m 21	1895 4	29 Ω 56	29 Ω 15	21 Mp 14	18 Y 56	S 30

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F 1	7n52	1 s38	2 s32	4 s 5 7	2s13	9 s 2 8	0n42	25n 6	2n 4	14s 1	0 s47	11n37	2s 9	20n 7	0s 7	11n 3	0n55	24n18 2	n 0 10	n41 111	14 6	n 9	7n39	0n57
S 2	8 14	3n17	3 37	4 40	2 19	9 13	0 35	25 3	2 3	13 58	0 48	11 40	2 9	20 8	0 7	11 3	0 55	24 18 2	0 10	43 11	15 6	8	7 40	0 57
S 3	8 36	7 58	4 26	4 20	2 25	8 58	0 29	24 59	2 2	13 55	0 48	11 42	2 8	20 8	0 7	11 4	0 55	24 18 2	0 10	46 11	16 6	6	7 42	0 57
M 4	8 57		4 56	3 59	2 30	8 43		24 56	2 2		0 48	-	2 8			11 4		-	-	48 11		- 1	7 43	0 57
T 5	9 19		5 7	3 37	2 34	8 27		24 52		13 48	0 48	-	2 8			11 4	0 55	-		51 11			7 44	0 57
W 6	9 41	-,	4 59	3 12	2 38	8 10		24 48		13 44	0 48		2 8			11 5	0 55			54 11		- 1	7 46	0 57
T 7 F 8	10 2 10 23		4 35 3 58	2 47 2 19	2 41 2 44	7 53 7 36		24 44 24 40		13 41 13 38	0 49 0 49		2 8 2 8			11 5	0 55 0 55	-		56 11 57 11		58 56	7 47 7 49	0 57 0 57
S 9			3 10	1 51	2 44	7 19		24 40		13 34		11 58		20 11		11 6		24 18 2		57 11		55	7 50	0 57
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S 10 M11	11 5	-	2 14	1 21	2 47	7 1		24 32		13 31	0 49		2 8			11 6		24 18 2		57 11		53	7 51	0 57
T 12	11 26 11 46		1 13 0 10	0 49 0 16	2 48 2 48	6 43 6 24		24 27 24 23		13 28 13 25	0 49 0 50	-	2 8 2 8			11 6		-	-	57 11 57 11		51 49	7 53 7 54	0 57
W13	12 7	8 6	0 10 0n53	0 10 0n18	2 48	6 5		24 23		13 23	0 50		2 8			11 0	0 55	-		57 11		49	7 55	0 57
T 14	12 27	4 25	1 53	0 53	2 46	5 46		24 13		13 18	0 50	-	2 8			11 7	0 55	-		58 11		45	7 57	0 57
F 15	12 47	0 33	2 49	1 29	2 45	5 26	0 38			13 15	0 50		2 8			11 7	0 55			0 11		44	7 58	0 57
S 16	13 6	3 s23	3 38	2 7	2 43	5 6	0 43	24 3	1 52	13 12	0 50	12 16	2 8	20 17	0 7	11 7	0 55	24 17 2	0 11	2 11	30 5	42	7 59	0 56
S 17	13 26	7 14	4 18	2 45	2 40	4 46	0 48	23 58	1 51	13 9	0 51	12 18	2 8	20 18	0 7	11 8	0 55	24 17 2	0 11	6 11	32 5	40	8 1	0 56
M18	13 45	10 49	4 46	3 25	2 37	4 25	0 52	23 53	1 51	13 6	0 51	12 21	2 8	20 18	0 7	11 8	0 55	24 17 2	0 11	10 11	33 5	38	8 2	0 56
T 19	14 4	14 0	5 1	4 6	2 33	4 4	0 57	23 47	1 50	13 3	0 51	12 23	2 7	20 19	0 7	11 8	0 55	24 17 2	0 11	14 11	34 5	36	8 3	0 56
W20	-	16 34	5 1	4 48	2 28	3 43		23 42	1 49	13 0		12 26		20 20		11 8	0 55	24 17 2	0 11	18 11		34	8 5	0 56
T 21		18 22	4 46	5 30	2 24	3 22		23 36		12 58		12 28		20 20		11 8				21 11		32	8 6	0 56
F 22			4 16	6 14	2 18	3 0		23 30		12 55	0 52			20 21		11 8		24 17 2		24 11		30	8 7	0 56
S 23	15 18	19 2	3 31	6 58	2 12	2 39	1 13	23 24	1 47	12 52	0 52	12 33	2 7	20 22	0 7	11 9	0 55	24 17 2	0 11	26 11	38 5	29	8 9	0 56
S 24	15 36	17 45	2 34	7 43	2 6	2 16		23 18		12 49			2 7	20 22	0 7	11 9	0 55	24 17 2		27 11		27	8 10	0 56
M25		15 25	1 27	8 29	1 59	1 54		23 12		12 47	0 53		2 7	-0 -0		11 9	0 00			27 11		25	8 11	0 56
T 26	16 11	-	0 14	9 15	1 52	1 32		23 6		12 44	0 53		2 7	20 24		11 9	0 55		-	27 11		23	8 13	0 56
W27	16 28	-	-	10 2	1 44	1 9		22 59		12 41	0 53		2 7	:		11 9	0 55			27 11		21	8 14	0 56
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W 8	17 40 48	25°28'31	27°37	20°19	17°42	18°15	2°11	14°42	3°55	3°38	18°53	26°R 9	27°11	25°34	20°45	W 8
T 9	17 44 45	26°25'42	9 <u>Ω</u> 28	21°33	18°52	18°51	2°11	14°49	3°59	3°40	18°55	26° 8	27° 8	25°40	20°47	T 9
F 10	17 48 41	27°22'53	21°26	22°44	20° 2	19°26	2°12	14°55	4° 2	3°41	18°56	26° 5	27° 5	25°47	20°49	F 10
S 11	17 52 38	28°20'04	3 M .37	23°52	21°11	20° 1	2°12	15° 1	4° 5	3°42	18°58	26° 0	27° 2	25°54	20°51	S 11
S 12	17 56 34	29°17'14	16° 2	24°57	22°21	20°37	2°R12	15° 8	4° 9	3°43	18°59	25°53	26°59	26° 0	20°53	S 12
M13	18 0 31	09514'24	28°46	25°59	23°31	21°13	2°12	15°14	4°12	3°44	19° 1	25°45	26°55	26° 7	20°54	M13
T 14	18 4 27	1°11'34	11 ~ 48	26°57	24°41	21°48	2°12	15°20	4°15	3°45	19° 2	25°35	26°52	26°14	20°56	T 14
W15	18 8 24	2° 8'43	25°10	27°53	25°51	22°24	2°12	15°27	4°18	3°47	19° 4	25°26	26°49	26°20	20°58	W15
T 16	18 12 20	3° 5'52	8 조 48	28°45	27° 1	23° 0	2°11	15°33	4°21	3°48	19° 5	25°19	26°46	26°27	21° 0	T 16
F 17	18 16 17	4° 3'02	22°40	29°34	28°11	23°35	2°10	15°39	4°25	3°49	19° 7	25°13	26°43	26°34	21° 1	F 17
S 18	18 20 14	5° 0'11	6≈43	0 Ω 19	29°22	24°11	2° 9	15°45	4°28	3°50	19° 9	25° 9	26°40	26°40	21° 3	S 18
S 19	18 24 10	5°57'21	20°53	1° 1	0 П 32	24°47	2° 8	15°51	4°31	3°52	19°10	25°D 8	26°36	26°47	21° 4	S 19
M20	18 28 7	6°54'31	5 米 6	1°39	1°42	25°23	2° 6	15°57	4°34	3°53	19°12	25° 8	26°33	26°54	21° 6	M20
T 21	18 32 3	7°51'42	19°19	2°12	2°53	25°59	2° 5	16° 2	4°37	3°55	19°13	25° 9	26°30	27° 0	21° 7	T 21
W22	18 36 0	8°48'52	3 Y 31	2°42	4° 3	26°35	2° 3	16° 8	4°40	3°56	19°15	25°R10	26°27	27° 7	21° 9	W22
T 23	18 39 56	9°46'04	17°40	3° 7	5°14	27°11	2° 1	16°14	4°43	3°57	19°17	25°10	26°24	27°14	21°10	T 23
F 24	18 43 53	10°43'15	1844	3°28	6°24	27°47	1°59	16°19	4°46	3°59	19°18	25° 8	26°20	27°20	21°11	F 24
S 25	18 47 49	11°40'28	15°42	3°45	7°35	28°24	1°57	16°25	4°49	4° 0	19°20	25° 5	26°17	27°27	21°12	S 25
S 26	18 51 46	12°37'41	29°31	3°57	8°46	29° 0	1°54	16°30	4°52	4° 2	19°22	24°59	26°14	27°34	21°14	S 26
M27	18 55 43	13°34'54	13 II 10	4° 4	9°57	29°36	1°51	16°36	4°55	4° 3	19°23	24°53	26°11	27°40	21°15	M27
T 28	18 59 39	14°32'08	26°36	4°R 7	11° 8	0 Mp 13	1°48	16°41	4°58	4° 5	19°25	24°46	26° 8	27°47	21°16	T 28
W29	19 3 36	15°29'23	99547	4° 4	12°19	0°49	1°45	16°46	5° 1	4° 7	19°26	24°40	26° 5	27°54	21°17	W29
T 30	19 7 32	169526'38	229541	3Ω 57	13耳30	1 Mp 26	1) (42	16 8 52	5 I I 4	4MD 8	199528	$24\Omega 35$	26 Ω 1	28Mp 0	21 Υ 18	T 30

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F 3		18 22		24 35	1 46			17 33		11 45	1 3			20 50		11 4					12 24	4 11	8 54	0 54
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M13 T 14		14 58 17 25	5 5 4 54	21 27 21 5	0 27 0 16			15 37 15 25		11 45 11 45		14 23 14 25		20 57 20 57		11 0 11 0		24 10 2 24 10 2			12 34 12 36		9 1 9 2	0 54
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F 17	-	18 52	-	19 58				14 48		11 47		14 30	-	20 59		10 58				13 9		3 43	9 4	0 54
S 18	23 25	17 4	1 38	19 36	0 33	18 18	1 49	14 35	1 9	11 47	1 7	14 31	2 10	21 0	0 6	10 58	0 54	24 9 2	2	13 10	12 40	3 41	9 4	0 54
S 19	23 23	14 13	0 23	19 14	0 47	18 34	1 47	14 22	1 9	11 48	1 8	14 33	2 11	21 0	0 6	10 57	0 54	24 9 2	2	13 11	12 41	3 40	9 5	0 54
M20	23 20	10 30	0s54	18 53	1 0	18 51	1 45	14 10	1 8	11 49		14 34		21 1	0 6	10 57	0 53	24 9 2	2	13 11	12 42	3 38	9 5	0 54
T 21	23 17	6 11	2 7	18 31	1 14	19 6	1 43	13 57	1 7	11 50	1 8	14 36	2 11	21 1	0 6	10 56	0 53	24 8 2	2	13 10	12 43	3 36	9 6	0 54
W22	23 13		-	18 11	1 28			13 44		11 51		14 37				10 56					12 44		9 6	0 54
T 23	23 9			17 51	1 43			13 31		11 52		14 39				10 55		-			12 45		9 7	0 54
F 24	23 5			17 32				13 18		11 53		14 40				10 54		-			12 46		9 7	0 54
S 25	23 0	11 43	5 5	17 14	2 12	20 5	1 35	13 5	1 5	11 54	1 9	14 42	2 11	21 3	0 6	10 54	0 53	24 8 2	. 2	13 12	12 47	3 28	9 8	0 54
S 26	22 54		-	16 57		20 18	_	12 51		11 55		14 43				10 53					12 49		9 8	0 54
M27	-	17 35		16 41	2 41			12 38		11 56		14 45				10 53					12 50		9 8	0 54
T 28	22 43			16 26				12 25		11 57		14 46				10 52					12 51	3 22	9 9	0 54
W29 T 30		19 30		16 13			-	12 11		11 59		14 47		-		10 52					12 52		9 9	0 54
1 30	22n30	18n53	2 S44	16n 1	3 S24	21n 7	1823	11n57	1n 2	128 0	1 811	14n49	2812	21n 6	US 6	10n51	UH53	24n / 2	n 3	13022	12n53	3n18	9n 9	0n54

Julian Day Number = 2247169.5, Delta T = 06m46s

Ecliptic obliquity = 23°30'35, Nutation = -0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°56'01, Lahiri = 16°03'02 Julian Calendar 1 June 1440 == Greg. Calendar 10 June 1440

JULY 1440 JC 00:00 UT

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F 1	19 11 29	179523'53	5 Ω 20	3°R45	14 II 41	2 m) 2	1°R38	16 8 57	5 I 7	4 Mp 10	19930	24°R32	25 Ω 58	28 m) 7	21Υ19	F 1
S 2	19 15 25	18°21'09	17°43	3 £ 29	15°52	2°39	1 ₩35	17° 2	5°10	4°11	19°31	24 \O 30	25°55	28°14	21°19	S 2
S 3	19 19 22	19°18'25	29°53	3° 7	17° 3	3°16	1°31	17° 7	5°12	4°13	19°33	24°D30	25°52	28°20	21°20	S 3
M 4	19 23 18	20°15'41	11 m 52	2°42	18°14	3°52	1°27	17°12	5°15	4°15	19°35	24°31	25°49	28°27	21°21	M 4
T 5	19 27 15	21°12'58	23°44	2°12	19°26	4°29	1°23	17°17	5°18	4°17	19°36	24°33	25°46	28°34	21°22	T 5
W 6	19 31 12	22°10'15	5 ≏ 33	1°38	20°37	5° 6	1°18	17°21	5°20	4°18	19°38	24°34	25°42	28°40	21°22	W 6
T 7	19 35 8	23° 7'33	17°25	1° 2	21°48	5°43	1°14	17°26	5°23	4°20	19°40	24°35	25°39	28°47	21°23	T 7
F 8	19 39 5	24° 4'51	29°23	0°22	23° 0	6°20	1° 9	17°31	5°26	4°22	19°41	24°R35	25°36	28°54	21°23	F 8
S 9	19 43 1	25° 2'09	11 M J34	295540	24°11	6°57	1° 4	17°35	5°28	4°24	19°43	24°34	25°33	29° 0	21°24	S 9
S 10	19 46 58	25°59'28	24° 1	28°57	25°23	7°34	0°59	17°39	5°31	4°25	19°44	24°32	25°30	29° 7	21°24	S 10
M11	19 50 54	26°56'47	6 才 48	28°14	26°34	8°11	0°54	17°44	5°33	4°27	19°46	24°28	25°26	29°14	21°25	M11
T 12	19 54 51	27°54'07	19°57	27°30	27°46	8°48	0°49	17°48	5°36	4°29	19°48	24°24	25°23	29°20	21°25	T 12
W13	19 58 47	28°51'28	3 云 30	26°47	28°58	9°25	0°43	17°52	5°38	4°31	19°49	24°21	25°20	29°27	21°25	W13
T 14	20 2 44	29°48'49	17°24	26° 5	0910	10° 2	0°38	17°56	5°41	4°33	19°51	24°17	25°17	29°34	21°25	T 14
F 15	20 641	0 Ω 46'12	1≈37	25°26	1°22	10°40	0°32	18° 0	5°43	4°35	19°53	24°15	25°14	29°40	21°25	F 15
S 16	20 10 37	1°43'35	16° 4	24°51	2°33	11°17	0°26	18° 4	5°45	4°37	19°54	24°14	25°11	29°47	21°25	S 16
S 17	20 14 34	2°40'59	0 ∺ 39	24°19	3°45	11°54	0°20	18° 8	5°48	4°39	19°56	24°D14	25° 7	29°54	21°R25	S 17
M18	20 18 30	3°38'24	15°17	23°51	4°57	12°32	0°14	18°12	5°50	4°41	19°57	24°14	25° 4	0 亚 0	21°25	M18
T 19	20 22 27	4°35'50	29°52	23°29	6° 9	13° 9	0° 8	18°15	5°52	4°43	19°59	24°16	25° 1	0° 7	21°25	T 19
W20	20 26 23	5°33'18	14 Y 18	23°13	7°22	13°47	0° 1	18°19	5°54	4°45	20° 1	24°17	24°58	0°14	21°25	W20
T 21	20 30 20	6°30'47	28°33	23° 2	8°34	14°24	29≈55	18°22	5°56	4°47	20° 2	24°18	24°55	0°20	21°25	T 21
F 22	20 34 16	7°28'17	12835	22°D58	9°46	15° 2	29°48	18°26	5°58	4°49	20° 4	24°R18	24°51	0°27	21°25	F 22
S 23	20 38 13	8°25'49	26°22	23° 0	10°58	15°40	29°41	18°29	6° 0	4°51	20° 5	24°17	24°48	0°34	21°24	S 23
S 24	20 42 10	9°23'22	9 Ⅱ 54	23° 9	12°11	16°18	29°34	18°32	6° 2	4°53	20° 7	24°16	24°45	0°40	21°24	S 24
M25	20 46 6	10°20'57	23°11	23°25	13°23	16°55	29°27	18°35	6° 4	4°55	20° 8	24°14	24°42	0°47	21°24	M25
T 26	20 50 3	11°18'33	6 9 613	23°49	14°36	17°33	29°20	18°38	6° 6	4°57	20°10	24°12	24°39	0°54	21°23	T 26
W27	20 53 59	12°16'11	19° 1	24°19	15°48	18°11	29°13	18°41	6° 8	4°59	20°12	24°11	24°36	1° 1	21°23	W27
T 28	20 57 56	13°13'50	1 N 36	24°56	17° 1	18°49	29° 6	18°44	6°10	5° 1	20°13	24° 9	24°32	1° 7	21°22	T 28
F 29	21 1 52	14°11'30	13°59	25°40	18°13	19°27	28°58	18°47	6°12	5° 3	20°15	24° 9	24°29	1°14	21°21	F 29
S 30	21 5 49	15° 9'11	26°10	26°31	19°26	20° 5	28°51	18°49	6°14	5° 5	20°16	24°D 9	24°26	1°21	21°21	S 30
S 31	21 9 45	16 Ω 6'54	8 m 12	279529	20939	20 m 43	28 ≈ 44	18 8 52	6 Ⅱ 15	5 m) 7	209518	24 N 9	24 Ω 23	1 ≏ 27	21 Y 20	S 31

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S 17 M18 T 19 W20 T 21 F 22 S 23	19 24 19 10 18 56 18 42 18 27	7 34 1 54 2 52 3 4 1n56 4 2 6 33 4 45 10 44 5 10	17 13 4 17 28 4 17 43 3 17 59 3 18 14 3	25 22 51 0 37 15 22 51 0 34 3 22 51 0 31 50 22 50 0 28 36 22 49 0 25 22 22 47 0 22 6 22 44 0 19	7 24 0 50 7 9 0 49 6 54 0 49 6 39 0 48	12 36 1 15 12 38 1 16 12 41 1 16 12 43 1 16 12 46 1 16	15 8 2 15 15 9 2 16 15 9 2 16 15 10 2 16 15 11 2 16	21 16 0 6	10 39 0 53 10 38 0 53 10 37 0 53 10 37 0 53 10 36 0 53	24 4 2 4 24 4 2 4 24 3 2 4 24 3 2 4 24 3 2 4	13 28 13 1 13 28 13 1 13 28 13 1	2 2 42 3 2 40 4 2 38 5 2 36 6 2 34	
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	17 42 17 26 17 10 16 54 16 37 16 20	18 43 4 37 19 27 3 55 19 9 3 3 17 53 2 2 15 47 0 56 13 1 0n11	18 57 2 19 9 2 19 21 2 19 31 1 19 39 1 19 46 1	50 22 40 0 17 34 22 36 0 14 17 22 32 0 11 0 22 26 0 8 43 22 20 0 5 27 22 13 0 2 10 22 6 0n 0 \$54 21n58 0n 3	5 53 0 46 5 38 0 46 5 22 0 45 5 7 0 44 4 51 0 44 4 36 0 43	12 54 1 17 12 56 1 17 12 59 1 17 13 2 1 17 13 5 1 18 13 7 1 18	15 13 2 17 15 14 2 17 15 14 2 17 15 15 2 17 15 15 2 18 15 16 2 18	21 17 0 6 21 18 0 6 21 18 0 6 21 18 0 6 21 19 0 6	10 34 0 53 10 33 0 53 10 32 0 53 10 31 0 53	24 3 2 4 24 2 2 4 24 2 2 5 24 2 2 5 24 2 2 5 24 2 2 5	13 29 13 2 13 30 13 2 13 30 13 2 13 31 13 2	0 2 28 1 2 26 2 2 24 3 2 22 4 2 20 5 2 18	9 11 0 53 9 11 0 53 9 11 0 53 9 10 0 53 9 10 0 53 9 10 0 53

Julian Day Number = 2247199.5, Delta T = 06m46s

Ecliptic obliquity = $23^{\circ}30'35$, Nutation = - $0^{\circ}00'09$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°56'05, Lahiri = 16°03'06 Julian Calendar 1 July 1440 == Greg. Calendar 10 July 1440

AUGUST 1440 JC 00:00 UT

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T 2	21 17 39	18° 2'23	1 ≏ 56	29°43	23° 4	22° 0	28≈28	18°56	6°19	5°12	20°21	24°10	24°17	1°41	21 Y 18	T 2
W 3	21 21 35	19° 0'09	13°45	0Ω 59	24°17	22°38	28°21	18°59	6°20	5°14	20°22	24°11	24°13	1°47	21°17	W 3
T 4	21 25 32	19°57'57	25°36	2°21	25°30	23°16	28°13	19° 1	6°22	5°16	20°24	24°11	24°10	1°54	21°16	T 4
F 5	21 29 28	20°55'46	7 M .34	3°48	26°43	23°55	28° 5	19° 3	6°23	5°18	20°25	24°11	24° 7	2° 1	21°15	F 5
S 6	21 33 25	21°53'36	19°43	5°20	27°56	24°33	27°57	19° 5	6°25	5°20	20°26	24°R11	24° 4	2° 7	21°14	S 6
S 7	21 37 21	22°51'27	2 ₹ 7	6°56	29° 9	25°12	27°50	19° 6	6°26	5°22	20°28	24°11	24° 1	2°14	21°13	S 7
M 8	21 41 18	23°49'20	14°52	8°36	$0\Omega 22$	25°50	27°42	19°8	6°27	5°25	20°29	24°D11	23°57	2°21	21°12	M 8
T 9	21 45 14	24°47'13	27°59	10°20	1°36	26°29	27°34	19°10	6°29	5°27	20°31	24°11	23°54	2°27	21°11	T 9
W10	21 49 11	25°45'09	11 る 32	12° 7	2°49	27° 8	27°26	19°11	6°30	5°29	20°32	24°12	23°51	2°34	21° 9	W10
T 11	21 53 8	26°43'05	25°31	13°56	4° 2	27°46	27°18	19°12	6°31	5°31	20°33	24°12	23°48	2°41	21° 8	T 11
F 12	21 57 4	27°41'03	9≈54	15°48	5°15	28°25	27°10	19°14	6°32	5°33	20°35	24°12	23°45	2°47	21° 7	F 12
S 13	22 1 1	28°39'03	24°37	17°42	6°29	29° 4	27° 2	19°15	6°33	5°36	20°36	24°R12	23°42	2°54	21° 5	S 13
S 14	22 4 57	29°37'04	9 ∺ 33	19°37	7°42	29°43	26°54	19°16	6°34	5°38	20°38	24°12	23°38	3° 1	21° 4	S 14
M15	22 8 54	0 m 35'07	24°35	21°32	8°56	0 ჲ 22	26°46	19°17	6°35	5°40	20°39	24°11	23°35	3° 7	21° 2	M15
T 16	22 12 50	1°33'11	9 Ƴ 33	23°29	10° 9	1° 1	26°39	19°18	6°36	5°42	20°40	24°11	23°32	3°14	21° 0	T 16
W17	22 16 47	2°31'18	24°20	25°26	11°23	1°40	26°31	19°18	6°37	5°44	20°41	24°10	23°29	3°21	20°59	W17
T 18	22 20 43	3°29'26	8 8 50	27°23	12°36	2°19	26°23	19°19	6°38	5°47	20°43	24° 9	23°26	3°27	20°57	T 18
F 19	22 24 40	4°27'37	23° 0	29°20	13°50	2°58	26°15	19°20	6°39	5°49	20°44	24° 8	23°23	3°34	20°55	F 19
S 20	22 28 37	5°25'49	6П46	1 m) 16	15° 4	3°37	26° 7	19°20	6°40	5°51	20°45	24°D 8	23°19	3°41	20°54	S 20
S 21	22 32 33	6°24'04	20°11	3°12	16°17	4°16	26° 0	19°20	6°40	5°53	20°46	24° 9	23°16	3°47	20°52	S 21
M22	22 36 30	7°22'21	39915	5° 7	17°31	4°56	25°52	19°20	6°41	5°56	20°48	24° 9	23°13	3°54	20°50	M22
T 23	22 40 26	8°20'40	16° 1	7° 2	18°45	5°35	25°44	19°R20	6°42	5°58	20°49	24°11	23°10	4° 1	20°48	T 23
W24	22 44 23	9°19'01	28°31	8°56	19°59	6°14	25°37	19°20	6°42	6° 0	20°50	24°12	23° 7	4° 7	20°46	W24
T 25	22 48 19	10°17'24	10 Ω 49	10°49	21°13	6°54	25°30	19°20	6°43	6° 2	20°51	24°13	23° 3	4°14	20°44	T 25
F 26	22 52 16	11°15'49	22°57	12°41	22°27	7°33	25°22	19°20	6°43	6° 4	20°52	24°R13	23° 0	4°21	20°42	F 26
S 27	22 56 12	12°14'16	4 m) 57	14°32	23°41	8°13	25°15	19°20	6°43	6° 7	20°53	24°13	22°57	4°27	20°40	S 27
S 28	23 0 9	13°12'44	16°51	16°21	24°55	8°52	25° 8	19°19	6°44	6° 9	20°55	24°12	22°54	4°34	20°38	S 28
M29	23 4 6	14°11'15	28°42	18°10	26° 9	9°32	25° 1	19°19	6°44	6°11	20°56	24° 9	22°51	4°41	20°36	M29
T 30	23 8 2	15° 9'47	10 ≏ 31	19°58	27°23	10°12	24°54	19°18	6°44	6°13	20°57	24° 6	22°48	4°47	20°34	T 30
W31	23 11 59	16Mp 8'22	22 ≏ 21	21 Mp 45	$28\Omega 37$	10 ≏ 52	24≈47	19 8 17	6∏44	6 M p16	20958	24 N 3	$22\Omega44$	4 ≏ 54	20 Y 31	W31

Day	0	D		ರ	ç)	ď	7	2	+	ħ	<u>ι</u>)	β (4		Е)	n	Ω	Ç	لح	5
	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1 T 2	15n46	-	9 19n53		21n50	0n 6	4n 5	0n42			-		21n19					2n 5			2n14	9n 9	
T 2 W 3	15 28 15 10		5 19 53 2 19 51		21 40 21 30	0 9	3 49 3 33	0 41 0 41	13 16 13 19	1 18 1 18			21 19 21 20			0 53 0 53		2 5 2 5		13 28 13 29	2 12 2 10	9 9 9	0 53 0 53
T 4	14 52	5 36 4 3			21 20	0 11 0 14	3 17		13 19	1 19			21 20			0 53		2 5		13 29	2 10	9 8	0 53
F 5	14 34		4 19 39			0 17	3 2		13 24	1 19		2 19				0 53		2 5			2 6	9 8	0 53
S 6			7 19 29		20 57	0 19	2 46		13 27		15 19		21 21	0 6		0 53		2 5		13 32	2 4	9 7	0 52
S 7	13 56	15 30 5 1	5 19 16	0 42	20 45	0 22	2 30	0 38	13 30	1 19	15 19	2 19	21 21	0 6	10 24	0 53	24 1	2 5	13 30	13 33	2 2	9 7	0 52
M 8	13 37	17 43 4 5	7 19 (0 52	20 32	0 24	2 14	0 38	13 33	1 19	15 19	2 20	21 21	0 6	10 23	0 53	24 1	2 6	13 30	13 34	2 0	9 6	0 52
T 9	13 18	19 5 4 2	4 18 42	1 2	20 18	0 27	1 58	0 37	13 36	1 19	15 19	2 20	21 21	0 6	10 22	0 53	24 1	2 6	13 30	13 36	1 58	9 6	0 52
W10	12 58	19 26 3 3	6 18 20	1 11	20 4	0 29	1 42	0 36	13 38	1 19	15 20	2 20	21 21	0 6	10 21	0 53	24 0	2 6	13 30	13 37	1 56	9 5	0 52
T 11	12 39	18 36 2 3	3 17 56	1 18	19 49	0 32	1 26	0 36	13 41	1 19	15 20	2 20	21 22	0 6	10 20	0 53	24 0	2 6	13 30	13 38	1 54	9 5	0 52
F 12	12 19	16 33 1 1	9 17 30	1 25	19 34	0 34	1 10	0 35	13 44	1 19	15 20	2 21	21 22	0 6	10 20	0 53	24 0	2 6	13 30	13 39	1 52	9 4	0 52
S 13	11 59	13 23 0s	2 17 1	1 31	19 18	0 37	0 54	0 35	13 47	1 20	15 20	2 21	21 22	0 6	10 19	0 53	24 0	2 6	13 30	13 40	1 50	9 3	0 52
S 14	11 38	9 19 1 2				0 39	0 38	0 34		1 20				0 6	10 18	0 53		2 6		13 41	1 48	9 3	0 52
M15	11 18	4 37 2 4				0 41	0 22	0 33	13 52	1 20				0 6		0 53	_	2 6		13 42	1 46	9 2	
T 16	10 57	0n20 3 4	-	1 43		0 44	0 6	0 33		1 20		2 21				0 53		2 6		13 43	1 44	9 2	0 52
W17	10 36	5 12 4 3		_		0 46	0 s10	0 32		1 20		2 22				0 53	_	2 6		13 44	1 42	9 1	0 52
T 18	10 15		6 14 5			0 48	0 26	0 31	14 1	1 20		2 22				0 53		2 7		13 45	1 40	9 0	0 52
F 19		13 28 5 1				0 50	0 43		_	1 20		2 22				0 53		2 7		13 46	1 38	9 0	0 52
S 20			9 12 44			0 52	0 59	0 30			15 20		21 23			0 53			13 31		1 36	8 59	
S 21	-		5 12 1	1 47		0 54	1 15		14 9	-	15 20		21 23						13 31		1 34	8 58	
M22		-	6 11 18	_		0 56	1 31		14 11	1 20		2 23				0 53		2 7		13 49	1 32	8 57	0 52
T 23		19 18 3 1				0 58	1 47	0 28		1 20		2 23				0 53		2 7		13 50	1 30	8 57	0 52
W24		18 16 2 1				1 0	2 4	0 28		1 20		2 23				0 53		2 7		13 51	1 28	8 56	
T 25 F 26	-	16 24 1 1				1 2	2 20	0 27		1 20			21 24			0 53		2 7		13 52	1 25	8 55	
S 27		13 48 0 10 38 0n5				1 4	2 36 2 52		14 22 14 24	1 20 1 20			21 24 21 24		10 8 10 7	0 53 0 53		2 7 2 8	-	13 53 13 54	1 23 1 21	8 54 8 53	
S 28	6 37		2 6 44		-	1 7	3 8		14 26	1 20			21 24		10 7	0 53				13 55	1 19	8 53	
M29	6 14	3 15 2 5				1 9	3 25		14 29	1 20		2 24			10 6	0 53		2 8		13 56	1 17	8 52	
T 30	5 52	0s41 3 4	-	_		1 10	3 41		14 31				21 24			0 53		2 8		13 58	1 15	8 51	0 51
W31	5n29	4 s 3 5 4 n 2	8 4n23	1n12	13n 6	1n12	3 s57	0n23	14 s33	1 s20	15n17	2 s 2 5	21n24	0s 6	10n 4	0n53	23n59	2n 8	13n33	13n59	1n13	8n50	0n51

Julian Day Number = 2247230.5, Delta T = 06m46s

Ecliptic obliquity = $23^{\circ}30'36$, Nutation = - $0^{\circ}00'09$, out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 16°56'09, Lahiri = 16°03'10 \ Julian \ Calendar \ 1 \ Aug. \ 1440 == Greg. \ Calendar \ 10 \ Aug. \ 1440 = 100'10' \ Aug. \ 1440' \ Aug. \$

SEPTEMBER 1440 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	ę,	Day
T 1	23 15 55	17 m) 6'58	4 M .13	23 Mp 31	29 Ω 52	11 ≏ 31	24°R40	19°R16	6 Ⅱ 45	6 m)18	20959	23°R59	22 Ω 41	5 ₽ 1	20°R29	T 1
F 2	23 19 52	18° 5'36	16°12	25°15	1 Mp 6	12°11	24≈33	19 8 15	6°45	6°20	21° 0	23 N 55	22°38	5° 8	20 Y 27	F 2
S 3	23 23 48	19° 4'15	28°21	26°59	2°20	12°51	24°27	19°14	6°R45	6°22	21° 1	23°53	22°35	5°14	20°24	S 3
S 4	23 27 45	20° 2'57	10 ∡ 143	28°42	3°34	13°31	24°20	19°13	6°45	6°24	21° 2	23°51	22°32	5°21	20°22	S 4
M 5	23 31 41	21° 1'40	23°22	0 ჲ 23	4°49	14°11	24°14	19°12	6°45	6°26	21° 3	23°D51	22°28	5°28	20°20	M 5
T 6	23 35 38	22° 0'25	6 3 22	2° 4	6° 3	14°51	24° 8	19°10	6°44	6°29	21° 4	23°52	22°25	5°34	20°17	T 6
W 7	23 39 34	22°59'11	19°48	3°43	7°18	15°32	24° 2	19° 9	6°44	6°31	21° 4	23°53	22°22	5°41	20°15	W 7
T 8	23 43 31	23°58'00	3≈40	5°22	8°32	16°12	23°56	19° 7	6°44	6°33	21° 5	23°55	22°19	5°48	20°12	T 8
F 9	23 47 28	24°56'50	17°59	7° 0	9°46	16°52	23°50	19° 5	6°44	6°35	21° 6	23°R56	22°16	5°54	20°10	F 9
S 10	23 51 24	25°55'42	2) €43	8°37	11° 1	17°32	23°45	19° 3	6°43	6°37	21° 7	23°55	22°13	6° 1	20° 7	S 10
S 11	23 55 21	26°54'35	17°47	10°13	12°15	18°13	23°39	19° 1	6°43	6°39	21° 8	23°54	22° 9	6° 8	20° 5	S 11
M12	23 59 17	27°53'31	3 ℃ 1	11°48	13°30	18°53	23°34	18°59	6°43	6°41	21° 9	23°50	22° 6	6°14	20° 2	M12
T 13	0 3 14	28°52'29	18°17	13°22	14°45	19°34	23°29	18°57	6°42	6°44	21° 9	23°46	22° 3	6°21	19°59	T 13
W14	0 7 10	29°51'29	3 8 23	14°55	15°59	20°14	23°24	18°55	6°42	6°46	21°10	23°41	22° 0	6°28	19°57	W14
T 15	0 11 7	0 ჲ 50'31	18°10	16°28	17°14	20°55	23°19	18°52	6°41	6°48	21°11	23°35	21°57	6°34	19°54	T 15
F 16	0 15 3	1°49'35	2 Ⅱ 33	18° 0	18°29	21°35	23°15	18°50	6°40	6°50	21°12	23°31	21°54	6°41	19°51	F 16
S 17	0 19 0	2°48'42	16°27	19°30	19°43	22°16	23°10	18°48	6°40	6°52	21°12	23°28	21°50	6°48	19°48	S 17
S 18	0 22 57	3°47'52	29°54	21° 0	20°58	22°57	23° 6	18°45	6°39	6°54	21°13	23°D27	21°47	6°54	19°46	S 18
M19	0 26 53	4°47'03	12955	22°30	22°13	23°38	23° 2	18°42	6°38	6°56	21°14	23°27	21°44	7° 1	19°43	M19
T 20	0 30 50	5°46'17	25°34	23°58	23°28	24°19	22°58	18°39	6°37	6°58	21°14	23°28	21°41	7° 8	19°40	T 20
W21	0 34 46	6°45'34	7 Ω 55	25°25	24°43	25° 0	22°54	18°36	6°36	7° 0	21°15	23°30	21°38	7°14	19°37	W21
T 22	0 38 43	7°44'52	20° 2	26°52	25°58	25°41	22°51	18°33	6°36	7° 2	21°15	23°R31	21°34	7°21	19°35	T 22
F 23	0 42 39	8°44'13	2 Mg 1	28°18	27°12	26°22	22°47	18°30	6°35	7° 4	21°16	23°30	21°31	7°28	19°32	F 23
S 24	0 46 36	9°43'36	13°53	29°43	28°27	27° 3	22°44	18°27	6°34	7° 6	21°16	23°28	21°28	7°35	19°29	S 24
S 25	0 50 32	10°43'01	25°43	1 m 7	29°42	27°44	22°41	18°24	6°32	7° 8	21°17	23°24	21°25	7°41	19°26	S 25
M26	0 54 29	11°42'28	7 ₽ 32	2°30	0 ჲ 57	28°25	22°38	18°20	6°31	7°10	21°17	23°17	21°22	7°48	19°23	M26
T 27	0 58 25	12°41'58	19°22	3°52	2°12	29° 6	22°36	18°17	6°30	7°12	21°18	23° 8	21°19	7°55	19°20	T 27
W28	1 2 22	13°41'29	1 M .16	5°12	3°27	29°48	22°33	18°14	6°29	7°13	21°18	22°58	21°15	8° 1	19°17	W28
T 29	1 6 19	14°41'02	13°14	6°32	4°42	0M29	22°31	18°10	6°28	7°15	21°19	22°48	21°12	8° 8	19°15	T 29
F 30	1 10 15	15 ≏ 40'38	25 M .19	7 M .51	5 Ω 57	1 M .10	22≈29	188 6	6 Π 26	7 m 17	219519	$22\Omega 38$	21Ω 9	8 쇼 15	19 Y 12	F 30

Day	0	D		ğ	ς	2	ď	۹ .	2	+	ŧ	1);	β (j	ŧ,	В		n	v	Ç	ķ	
	decl	decl lat	de	el lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat		decl	decl	decl	decl l	at
T 1	5n 6	8s19 4r	n56 3n3	37 ln '	7 12n42	1n13	4 s13	0n23	14s36	1 s20	15n16	2 s25	21n24	0s 6	10n 3	0n53	23n59 2	n 8	13n34	14n 0	1n11	8n49	0n51
F 2	4 43	11 46 5	11 2 :	50 1	1 12 16	1 14	4 29	0 22	14 38	1 20	15 16	2 25	21 24	0 6	10 3	0 53	23 59 2	8	13 35	14 1	1 9	8 48	0 51
S 3	4 20	14 45 5	13 2	3 0 5	5 11 51	1 16	4 46	0 22	14 40	1 20	15 15	2 25	21 24	0 6	10 2	0 53	23 58 2	8	13 36	14 2	1 7	8 47	0 51
S 4	3 57	17 9 5	1 1	0 49	11 25	1 17	5 2	0 21	14 42	1 20	15 15	2 25	21 24	0 6	10 1	0 53	23 58 2	8	13 37	14 3	1 5	8 46	0 51
M 5	3 34	18 47 4	34 0 3	0 43	3 10 59	1 18	5 18	0 20	14 44	1 20	15 14	2 26	21 24	0 6	10 0	0 53	23 58 2	9	13 37	14 4	1 3	8 45	0 51
T 6	3 11	19 30 3	52 0s	6 0 30	5 10 33	1 19	5 34	0 20	14 46	1 20	15 14	2 26	21 24	0 6	9 59	0 53	23 58 2	9	13 36	14 5	1 1	8 44	0 51
W 7	2 48	19 8 2	56 1	2 0 30	10 6	1 20	5 50	0 19	14 48	1 20	15 13	2 26	21 24	0 6	9 59	0 54	23 58 2	9	13 36	14 6	0 59	8 43	0 51
T 8	2 24	17 38 1	49 1 4	17 0 23	9 39	1 21	6 6	0 19	14 50	1 20	15 13	2 26	21 24	0 6	9 58	0 54	23 58 2	9	13 35	14 7	0 57	8 42	0 51
F 9	2 1	14 58 0	33 2 3	32 0 10	9 12	1 22	6 22	0 18	14 52	1 20	15 12	2 26	21 24	0 6	9 57	0 54	23 58 2	9	13 35	14 8	0 55	8 41	0 51
S 10	1 37	11 17 0	s48 3	17 0 9	8 44	1 23	6 38	0 17	14 54	1 20	15 11	2 26	21 24	0 6	9 56	0 54	23 58 2	9	13 35	14 9	0 53	8 40	0 51
S 11	1 14	6 47 2	7 4	1 0 2	8 16	1 24	6 54	0 17	14 55	1 19	15 11	2 27	21 24	0 6	9 55	0 54	23 58 2	9	13 36	14 10	0 51	8 39	0 51
M12	0 50	1 49 3	17 4 4	15 Os :	7 48	1 24	7 10	0 16	14 57	1 19	15 10	2 27	21 24	0 6	9 55	0 54	23 58 2	9	13 37	14 11	0 49	8 38	0 51
T 13	0 27	3n16 4	14 5 2	29 0 12	7 20	1 25	7 26	0 15	14 59	1 19	15 9	2 27	21 24	0 6	9 54	0 54	23 58 2	9	13 38	14 12	0 46	8 37	0 51
W14	0 3	8 6 4	52 6	0 19	6 51	1 26	7 42	0 15	15 0	1 19	15 8	2 27	21 24	0 6	9 53	0 54	23 58 2	10	13 40	14 13	0 44	8 36	0 51
T 15	0 s20	12 20 5	10 6 3	54 0 20	6 23	1 26	7 58	0 14	15 2	1 19	15 7	2 27	21 24	0 6	9 52	0 54	23 58 2	10	13 42	14 14	0 42	8 35	0 50
F 16	0 44	15 42 5	7 7 3	36 0 34	5 54	1 26	8 14	0 14	15 3	1 19	15 7	2 28	21 23	0 6	9 52	0 54	23 58 2	10	13 43	14 15	0 40	8 34	0 50
S 17	1 7	18 4 4	47 8	0 4	5 25	1 27	8 30	0 13	15 5	1 19	15 6	2 28	21 23	0 6	9 51	0 54	23 58 2	10	13 44	14 16	0 38	8 33	0 50
S 18	1 31	19 20 4	11 8 3	0 48	4 55	1 27	8 45	0 12	15 6	1 19	15 5	2 28	21 23	0 6	9 50	0 54	23 58 2	10	13 45	14 17	0 36	8 32	0 50
M19	1 54	19 31 3	23 9 3	88 0 5	4 26	1 27	9 1	0 12	15 7	1 19	15 4	2 28	21 23	0 6	9 49	0 54	23 58 2	10	13 45	14 18	0 34	8 31	0 50
T 20	2 18	18 42 2	26 10	17 1 2	3 56	1 28	9 17	0 11	15 8	1 19	15 3	2 28	21 23	0 6	9 49	0 54	23 58 2	10	13 44	14 19	0 32	8 29	0 50
W21	2 41	17 0 1	24 10 3	56 1 9	3 27	1 28	9 32	0 11	15 9	1 18	15 2	2 28	21 23	0 6	9 48	0 54	23 58 2	10	13 44	14 20	0 30	8 28	0 50
T 22	3 5	14 33 0	19 11 3	34 1 10	5 2 57	1 28	9 48	0 10	15 10	1 18	15 1	2 28	21 23	0 6	9 47	0 54	23 58 2	11	13 43	14 21	0 28	8 27	0 50
F 23	3 28	11 30 Or	n46 12	2 1 2	2 27	1 28	10 3	0 9	15 11	1 18	15 0	2 29	21 22	0 6	9 47	0 54	23 58 2	11	13 43	14 22	0 26	8 26	0 50
S 24	3 52	8 1 1	48 12 4	19 1 30	1 57	1 28	10 19	0 9	15 12	1 18	14 59	2 29	21 22	0 6	9 46	0 54	23 58 2	11	13 44	14 23	0 24	8 25	0 50
S 25	4 15	4 14 2	45 13 2	24 1 3	1 27	1 27	10 34	0 8	15 13	1 18	14 58	2 29		0 6	9 45	0 54	23 59 2	11	13 46	14 24	0 22	8 24	0 50
M26	4 39	0 17 3	35 14	0 1 4	0 57	1 27	10 50	0 7	15 14	1 18	14 57	2 29	21 22	0 6	9 44	0 54	23 59 2	11	13 48	14 25	0 20	8 23	0 50
T 27	5 2	3 s40 4	15 14 3	1 50	0 27	1 27	11 5	0 7	15 15	1 18	14 56	2 29	21 22	0 6	9 44	0 54	23 59 2	11	13 51	14 26	0 17	8 21	0 50
W28	5 25	7 30 4	44 15	7 1 50	6 0s 3	1 26	11 20	0 6	15 15	1 18	14 55	2 29	21 22	0 6	9 43	0 54	23 59 2	11	13 54	14 27	0 15	8 20	0 50
T 29	5 48	11 4 5	2 15 4	10 2 3	0 34	1 26	11 35	0 6	15 16	1 17	14 54	2 29	21 21	0 6	9 42	0 54	23 59 2	11	13 57	14 28	0 13	8 19	0 49
F 30	6s11	14 s12 5r	n 5 16s	2s 8	8 1s 4	1n26	11 s50	0n 5	15 s 17	1 s 1 7	14n53	2 s29	21n21	0s 6	9n42	0n54	23n59 2	n11	14n 0	14n29	0n11	8n18	0n49

Julian Day Number = 2247261.5, Delta T = 06m46s

Ecliptic obliquity = 23°30'36, Nutation = -0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 16°56'14, Lahiri = 16°03'14 Julian Calendar 1 Sept. 1440 == Greg. Calendar 10 Sept. 1440

OCTOBER 1440 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(¥	В	S.	v	Ç	ķ	Day
S 1	1 14 12	16 ≏ 40'15	7 , ₹32	9M 9	7 ≙ 13	1 M .52	22°R27	18°R 2	6°R25	7 m 19	219519	22°R30	218 6	8 ₽ 21	19°R 9	S 1
S 2	1 18 8	17°39'54	19°56	10°25	8°28	2°33	22≈26	17 8 59	6 Ⅱ 24	7°21	21°20	22 N 24	21° 3	8°28	19 Y 6	S 2
M 3	1 22 5	18°39'35	2 ප 34	11°40	9°43	3°15	22°24	17°55	6°22	7°23	21°20	22°21	20°59	8°35	19° 3	M 3
T 4	1 26 1	19°39'18	15°30	12°53	10°58	3°57	22°23	17°51	6°21	7°24	21°20	22°D19	20°56	8°41	19° 0	T 4
W 5	1 29 58	20°39'02	28°46	14° 5	12°13	4°38	22°22	17°47	6°19	7°26	21°20	22°20	20°53	8°48	18°57	W 5
T 6	1 33 54	21°38'48	12 ≈ 27	15°14	13°28	5°20	22°21	17°43	6°18	7°28	21°21	22°20	20°50	8°55	18°54	T 6
F 7	1 37 51	22°38'36	26°33	16°22	14°43	6° 2	22°21	17°39	6°16	7°30	21°21	22°R21	20°47	9° 1	18°51	F 7
S 8	1 41 48	23°38'25	11) 4	17°28	15°59	6°44	22°20	17°34	6°14	7°31	21°21	22°19	20°44	9° 8	18°48	S 8
S 9	1 45 44	24°38'16	25°58	18°31	17°14	7°26	22°D20	17°30	6°13	7°33	21°21	22°15	20°40	9°15	18°46	S 9
M10	1 49 41	25°38'09	11 Y 8	19°32	18°29	8° 8	22°20	17°26	6°11	7°34	21°21	22° 9	20°37	9°22	18°43	M10
T 11	1 53 37	26°38'04	26°25	20°29	19°44	8°50	22°20	17°21	6° 9	7°36	21°21	22° 0	20°34	9°28	18°40	T 11
W12	1 57 34	27°38'00	11 8 37	21°23	20°59	9°32	22°21	17°17	6° 7	7°38	21°21	21°50	20°31	9°35	18°37	W12
T 13	2 1 30	28°37'59	26°34	22°14	22°15	10°14	22°21	17°12	6° 6	7°39	21°21	21°40	20°28	9°42	18°34	T 13
F 14	2 5 27	29°38'00	11 II 7	23° 1	23°30	10°56	22°22	17° 8	6° 4	7°41	21°R21	21°31	20°25	9°48	18°31	F 14
S 15	2 9 23	0 M .38'03	25°12	23°43	24°45	11°39	22°23	17° 3	6° 2	7°42	21°21	21°24	20°21	9°55	18°28	S 15
S 16	2 13 20	1°38'08	89546	24°20	26° 1	12°21	22°25	16°59	6° 0	7°44	21°21	21°20	20°18	10° 2	18°26	S 16
M17	2 17 17	2°38'15	21°52	24°52	27°16	13° 3	22°26	16°54	5°58	7°45	21°21	21°17	20°15	10° 8	18°23	M17
T 18	2 21 13	3°38'25	4€32	25°17	28°31	13°46	22°28	16°49	5°56	7°47	21°21	21°D17	20°12	10°15	18°20	T 18
W19	2 25 10	4°38'36	16°51	25°35	29°47	14°28	22°29	16°45	5°54	7°48	21°21	21°R17	20° 9	10°22	18°17	W19
T 20	2 29 6	5°38'50	28°56	25°46	1 m 2	15°11	22°31	16°40	5°52	7°49	21°21	21°17	20° 5	10°28	18°14	T 20
F 21	2 33 3	6°39'05	10 m 50	25°R49	2°17	15°53	22°34	16°35	5°50	7°51	21°21	21°15	20° 2	10°35	18°12	F 21
S 22	2 36 59	7°39'23	22°39	25°43	3°33	16°36	22°36	16°30	5°48	7°52	21°20	21°11	19°59	10°42	18° 9	S 22
S 23	2 40 56	8°39'42	4 ≗ 27	25°28	4°48	17°19	22°39	16°25	5°45	7°53	21°20	21° 4	19°56	10°49	18° 6	S 23
M24	2 44 52	9°40'04	16°18	25° 3	6° 3	18° 1	22°42	16°21	5°43	7°55	21°20	20°54	19°53	10°55	18° 4	M24
T 25	2 48 49	10°40'27	28°12	24°28	7°19	18°44	22°45	16°16	5°41	7°56	21°20	20°42	19°50	11° 2	18° 1	T 25
W26	2 52 46	11°40'52	10 M _13	23°43	8°34	19°27	22°48	16°11	5°39	7°57	21°19	20°28	19°46	11° 9	17°58	W26
T 27	2 56 42	12°41'18	22°21	22°48	9°50	20°10	22°51	16° 6	5°36	7°58	21°19	20°13	19°43	11°15	17°56	T 27
F 28	3 0 39	13°41'47	4 ₹ 38	21°44	11° 5	20°53	22°55	16° 1	5°34	8° 0	21°19	19°59	19°40	11°22	17°53	F 28
S 29	3 4 35	14°42'16	17° 3	20°33	12°21	21°36	22°59	15°56	5°32	8° 1	21°18	19°47	19°37	11°29	17°51	S 29
S 30	3 8 32	15°42'48	29°38	19°17	13°36	22°19	23° 3	15°51	5°30	8° 2	21°18	19°37	19°34	11°35	17°48	S 30
M31	3 12 28	16ML43'20	12 る 24	17 M 56	14 M 51	23M 2	23≈ 7	15 8 46	5 Ⅱ 27	8Mp 3	219917	19 N 31	19 N 31	11 ≏ 42	17 Y 46	M31

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S 1	6 s34	16 s46	4n55	16 s42	2s14	1 s34	1n25	12 s 5	0n 4	15 s17	1 s17	14n52	2 s 3 0	21n21	0s 6	9n41	0n54	23n59	2n12	14n 3	14n30	0n 9	8n17	0n49
S 2	6 57	18 37	4 32	17 12	2 20	2 4	1 24	12 20	0 4	15 17	1 17	14 51	2 30	21 21	0 6	9 40	0 54	23 59	2 12	14 5	14 31	0 7	8 15	0 49
M 3	7 20	19 35	3 54	17 40	2 25	2 35	1 24	12 35	0 3	15 18	1 17	14 49	2 30	21 20	0 6	9 40	0 54	23 59	2 12	14 6	14 33	0 5	8 14	0 49
T 4	7 43		3 4	18 8	2 30	3 5		12 50	0 3			14 48	2 30			9 39		23 59	2 12		14 34	0 3	8 13	0 49
W 5	8 5			18 34	2 35	3 35		13 5	0 2		1 16		2 30			9 39		23 59	2 12		14 35	0 1	8 12	0 49
T 6				18 59	2 39	4 5		13 19	0 1	15 18		14 46	2 30			9 38		23 59	2 12		14 36	0s 1	8 11	0 49
F 7	8 50			19 23	2 43	4 35		13 34		15 18		14 45	2 30			9 37		23 59	2 12		14 37	0 3	8 10	0 49
S 8	9 12	8 57	1 38	19 45	2 46	5 5	1 19	13 48	0 0	15 18	1 16	14 43	2 30	21 19	0 6	9 37	0 54	23 59	2 12	14 7	14 38	0 5	8 8	0 49
S 9	9 34	4 12	2 49	20 6	2 49	5 35	1 18	14 2	0 s 1	15 18	1 16	14 42	2 30	21 19	0 6	9 36	0 54	24 0	2 13	14 8	14 39	0 8	8 7	0 49
M10	9 56	0n54	3 49	20 25	2 52	6 5	1 17	14 17	0 1	15 18	1 16	14 41	2 30	21 18	0 6	9 36	0 54	24 0	2 13	14 10	14 40	0 10	8 6	0 49
T 11	10 18	5 58	4 34	20 43	2 54	6 34	1 16	14 31	0 2	15 18	1 15	14 39	2 30	21 18	0 6	9 35	0 54	24 0	2 13	14 13	14 41	0 12	8 5	0 48
W12	10 40	10 38	4 58	20 59	2 56	7 4	1 15	14 45	0 2	15 17	1 15	14 38	2 30	21 18	0 6	9 34	0 54	24 0	2 13	14 16	14 42	0 14	8 4	0 48
T 13	11 1	14 33	5 2	21 13	2 56	7 33	1 13	14 59	0 3	15 17	1 15	14 37	2 30	21 18	0 6	9 34	0 54	24 0	2 13	14 19	14 43	0 16	8 2	0 48
F 14	11 23	17 28	4 46	21 25	2 56	8 2	1 12	15 13	0 4	15 17	1 15	14 36	2 31	21 17	0 6	9 33	0 54	24 0	2 13	14 22	14 44	0 18	8 1	0 48
S 15	11 44	19 13	4 12	21 35	2 56	8 31	1 11	15 26	0 4	15 16	1 15	14 34	2 31	21 17	0 6	9 33	0 55	24 0	2 13	14 25	14 45	0 20	8 0	0 48
S 16	12 5	19 48	3 26	21 43	2 54	9 0	1 9	15 40	0 5	15 16	1 15	14 33	2 31	21 17	0 6	9 32	0 55	24 0	2 13	14 26	14 46	0 22	7 59	0 48
M17	12 25	19 16	2 30	21 49	2 51	9 29	1 8	15 53	0 5	15 15	1 14	14 32	2 31	21 16	0 6	9 32	0 55	24 1	2 14	14 27	14 47	0 24	7 58	0 48
T 18	12 46	17 46	1 28	21 51	2 48	9 57	1 6	16 7	0 6	15 14	1 14	14 30	2 31	21 16	0 6	9 31	0 55	24 1	2 14	14 27	14 48	0 26	7 57	0 48
W19	13 6	15 27	0 24	21 51	2 43	10 25	1 5	16 20	0 7	15 14	1 14	14 29	2 31	21 16	0 6	9 31	0 55	24 1	2 14	14 27	14 49	0 28	7 55	0 48
T 20	13 27	12 31	0n41	21 48	2 37	10 53	1 3	16 33	0 7	15 13	1 14	14 28	2 31	21 15	0 6	9 30	0 55	24 1	2 14	14 27	14 50	0 31	7 54	0 48
F 21	13 47	9 6	1 42	21 41	2 29	11 21	1 1	16 46	0 8	15 12	1 14	14 26	2 31		0 6	9 30	0 55	24 1	2 14	14 27	14 51	0 33	7 53	0 48
S 22	14 6	5 20	2 38	21 31	2 20	11 48	1 0	16 59	0 8	15 11	1 14	14 25	2 31	21 14	0 6	9 29	0 55	24 1	2 14	14 29	14 52	0 35	7 52	0 47
S 23	14 26	1 24	3 27	21 17	2 10	12 15	0 58	17 12	0 9	15 10	1 13	14 23	2 31	21 14	0 6	9 29	0 55	24 1	2 14	14 31	14 53	0 37	7 51	0 47
M24	14 45	2 s 3 7	4 8	20 59	1 57	12 42	0 56	17 24	0 10	15 9	1 13	14 22	2 31	21 14	0 6	9 28	0 55	24 2	2 14	14 34	14 54	0 39	7 50	0 47
T 25	15 4	6 33	4 37	20 37	1 43	13 8	0 54	17 37	0 10	15 8	1 13	14 21	2 31	21 13	0 6	9 28	0 55	24 2	2 15	14 38	14 55	0 41	7 49	0 47
W26	15 23	10 15	4 55	20 11	1 28	13 35	0 52	17 49	0 11	15 6	1 13	14 19	2 31	21 13	0 6	9 28	0 55	24 2	2 15	14 43	14 56	0 43	7 48	0 47
T 27	15 42	13 35	4 59	19 40	1 11	14 0	0 50	18 1	0 12	15 5	1 13	14 18	2 31	21 13	0 6	9 27	0 55	24 2	2 15	14 47	14 57	0 45	7 47	0 47
F 28	16 0	16 22	4 50	19 6	0 52	14 26	0 48	18 13	0 12	15 4	1 13	14 17	2 31			9 27	0 55	24 2	2 15	14 52	14 58	0 47	7 45	0 47
S 29	16 18	18 27	4 27	18 28	0 33	14 51	0 46	18 25	0 13	15 2	1 12	14 15	2 30	21 12	0 6	9 26	0 55	24 2	2 15	14 56	14 59	0 49	7 44	0 47
S 30	16 36	19 40	3 51	17 48	0 13	15 16	0 44	18 37	0 13	15 1	1 12	14 14	2 30	21 11	0 6	9 26	0 55	24 3	2 15	14 59	15 0	0 52	7 43	0 47
M31	16 s53	19 s54	3n 2	17s 6	0n 8	15 s40	0n42	18 s49	0s14	14 s 5 9	1 s12	14n13	2 s 3 0	21n11	0s 6	9n26	0n55	24n 3	2n15	15n 1	15n 1	0s54	7n42	0n46

Julian Day Number = 2247291.5, Delta T = 06m46s

Ecliptic obliquity = $23^{\circ}30'36$, Nutation = - $0^{\circ}00'12$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°56′18, Lahiri = 16°03′18 Julian Calendar 1 Oct. 1440 == Greg. Calendar 10 Oct. 1440

NOVEMBER 1440 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)វូ(¥	Р	ß	Ω	Ç	ę,	Day
T 1	3 16 25	17 M 43'54	25る24	16°R35	16 M 7	23 M .46	23≈11	15°R41	5°R25	8 Mp 4	21°R17	19°R28	19 Ω 27	11 ≏ 49	17°R43	T 1
W 2	3 20 21	18°44'30	8≈39	15 M 16	17°22	24°29	23°16	15 8 37	5 Ⅱ 22	8° 5	219516	19 Ω 27	19°24	11°55	17 Y 41	W 2
T 3	3 24 18	19°45'06	22°12	14° 1	18°38	25°12	23°20	15°32	5°20	8° 6	21°16	19°26	19°21	12° 2	17°39	T 3
F 4	3 28 15	20°45'44	6 ∀ 5	12°53	19°53	25°55	23°25	15°27	5°18	8° 7	21°15	19°26	19°18	12° 9	17°36	F 4
S 5	3 32 11	21°46'22	20°19	11°53	21° 9	26°39	23°30	15°22	5°15	8° 8	21°15	19°24	19°15	12°16	17°34	S 5
S 6	3 36 8	22°47'02	4Υ 53	11° 4	22°24	27°22	23°36	15°17	5°13	8° 9	21°14	19°20	19°11	12°22	17°32	S 6
M 7	3 40 4	23°47'43	19°43	10°26	23°40	28° 6	23°41	15°12	5°10	8° 9	21°14	19°12	19° 8	12°29	17°30	M 7
T 8	3 44 1	24°48'25	4 8 43	10° 0	24°55	28°49	23°47	15° 7	5° 8	8°10	21°13	19° 2	19° 5	12°36	17°27	T 8
W 9	3 47 57	25°49'09	19°42	9°45	26°10	29°33	23°53	15° 3	5° 5	8°11	21°12	18°51	19° 2	12°42	17°25	W 9
T 10	3 51 54	26°49'54	4 Ⅱ 32	9°D42	27°26	0 , 717	23°59	14°58	5° 3	8°12	21°12	18°39	18°59	12°49	17°23	T 10
F 11	3 55 50	27°50'40	19° 4	9°49	28°41	1° 0	24° 5	14°53	5° 0	8°12	21°11	18°28	18°56	12°56	17°21	F 11
S 12	3 59 47	28°51'27	39511	10° 6	29°57	1°44	24°11	14°48	4°58	8°13	21°10	18°19	18°52	13° 2	17°19	S 12
S 13	4 3 44	29°52'16	16°50	10°32	1 √ 12	2°28	24°18	14°44	4°55	8°14	21°10	18°13	18°49	13° 9	17°17	S 13
M14	4 7 40	0 ≯ 53'07	0 Ω 1	11° 7	2°28	3°12	24°24	14°39	4°53	8°14	21° 9	18°10	18°46	13°16	17°15	M14
T 15	4 11 37	1°53'58	12°46	11°48	3°43	3°56	24°31	14°35	4°50	8°15	21° 8	18°D 8	18°43	13°23	17°13	T 15
W16	4 15 33	2°54'51	25°10	12°36	4°59	4°40	24°38	14°30	4°48	8°16	21° 7	18° 8	18°40	13°29	17°11	W16
T 17	4 19 30	3°55'46	7 m)16	13°30	6°14	5°24	24°45	14°26	4°45	8°16	21° 7	18°R 9	18°37	13°36	17°10	T 17
F 18	4 23 26	4°56'41	19°12	14°29	7°30	6° 8	24°52	14°21	4°42	8°17	21° 6	18° 8	18°33	13°43	17° 8	F 18
S 19	4 27 23	5°57'38	1 ♀ 2	15°32	8°45	6°52	25° 0	14°17	4°40	8°17	21° 5	18° 5	18°30	13°49	17° 6	S 19
S 20	4 31 19	6°58'37	12°51	16°39	10° 1	7°36	25° 7	14°12	4°37	8°17	21° 4	17°59	18°27	13°56	17° 5	S 20
M21	4 35 16	7°59'36	24°43	17°49	11°16	8°21	25°15	14° 8	4°35	8°18	21° 3	17°51	18°24	14° 3	17° 3	M21
T 22	4 39 13	9° 0'37	6 M .43	19° 2	12°31	9° 5	25°23	14° 4	4°32	8°18	21° 2	17°40	18°21	14° 9	17° 2	T 22
W23	4 43 9	10° 1'38	18°51	20°18	13°47	9°49	25°31	14° 0	4°30	8°18	21° 1	17°27	18°17	14°16	17° 0	W23
T 24	4 47 6	11° 2'41	1711	21°36	15° 2	10°34	25°39	13°56	4°27	8°19	21° 0	17°14	18°14	14°23	16°59	T 24
F 25	4 51 2	12° 3'44	13°42	22°55	16°18	11°18	25°48	13°52	4°25	8°19	20°59	17° 2	18°11	14°29	16°57	F 25
S 26	4 54 59	13° 4'49	26°25	24°16	17°33	12° 3	25°56	13°48	4°22	8°19	20°58	16°51	18° 8	14°36	16°56	S 26
S 27	4 58 55	14° 5'54	9 궁 19	25°39	18°49	12°47	26° 5	13°44	4°20	8°19	20°57	16°43	18° 5	14°43	16°55	S 27
M28	5 2 52	15° 6'59	22°24	27° 2	20° 4	13°32	26°14	13°40	4°17	8°19	20°56	16°37	18° 2	14°50	16°53	M28
T 29	5 6 48	16° 8'05	5≈39	28°27	21°20	14°16	26°23	13°36	4°15	8°20	20°55	16°34	17°58	14°56	16°52	T 29
W30	5 10 45	17 ⁄7 9'12	19 ≈ 6	29M53	22 × 35	15 ×7 1	26≈32	13833	4 Ⅱ 12	8 m 20	209554	16°D34	17 Ω 55	15 ♀ 3	16 Y 51	W30

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	decl	decl lat	decl	lat o	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl la	at
T 1 W 2			3 16s23 57 15 41		-	19s 0 19 11		14 s 5 8 14 5 6		14n11 14 10		21n11 21 10			0n55 0 55	24n 3 24 3	2n15 2 16		15n 2 15 3	0s56 0 58		0n46 0 46
T 3			15 15 1	1 7 16	5 51 0 36	19 23	0 16	14 54	1 12	14 9		21 10		9 25	0 55	24 3	2 16		_	-	7 39	0 46
F 4 S 5	18 0 18 16		27 14 24 35 13 51			19 34 19 44		14 5214 51	1 11 1 11		2 30 2 30		0 0	1.	0 55 0 55		2 16 2 16					0 46 0 46
S 6	18 31		35 13 23			19 55		14 49	1 11	-	2 30						2 16		,			0 46
M 7 T 8	18 47 19 2	3n42 4 8 33 4	22 13 1 51 12 44		3 19 0 27 3 39 0 25	20 5 20 16		14 47 14 45	1 11 1 11	14 3 14 2	2 30 2 30		0 6 0 6	,	0 55 0 55		2 16 2 16			1 8 1 11		0 46 0 46
W 9 T 10	19 16 19 30		0 12 32 49 12 26			20 26 20 36		14 43 14 40	1 11 1 10	14 1 13 59	2 30 2 30		0 6 0 6	,	0 55 0 56	-	2 16 2 17		15 10 15 11	1 13 1 15		0 45 0 45
F 11 S 12			19 12 24 34 12 28			20 45 20 55		14 38 14 36		13 58 13 57	2 29 2 29				0 56 0 56	-	2 17 2 17		15 12 15 13		,	0 45 0 45
S 13 M14	-		38 12 35 34 12 46		0 15 0 13 0 32 0 11	21 4 21 13		14 34 14 31		13 56 13 54	2 29 2 29		0 6		0 56 0 56	-	2 17 2 17		15 14 15 15			0 45 0 45
T 15	20 36	16 34 0	28 13 1	2 32 20	0 49 0 8	21 22	0 23	14 29	1 10	13 53	2 29	21 4	0 6	9 22	0 56	24 6	2 17	15 26	15 16	1 25	7 28	0 45
W16 T 17	20 48 21 0		37 13 18 40 13 37			21 31 21 40		14 26 14 24	1 9 1 9		2 29 2 29		0 6	9 22 9 21	0 56 0 56	-	2 17 2 17		15 17 15 18	1 28 1 30		0 45 0 45
F 18 S 19	21 11 21 22	-	37 13 59 27 14 22			21 48 21 56		14 21 14 19	1 9 1 9	13 50 13 49	2 28 2 28		0 6 0 6		0 56 0 56		2 17 2 18		15 19 15 20			0 44 0 44
S 20	21 32	1s17 4	8 14 46		-	22 4		14 16			2 28				0 56		2 18		15 21	1 36		0 44
M21 T 22	21 42 21 52		38 15 11 56 15 37			22 12 22 19		14 13 14 10	1 9 1 9		2 28 2 28		0 5 0 5		0 56 0 56		2 18 2 18		15 22 15 23	1 38 1 40		0 44 0 44
W23 T 24	22 1		2 16 4 53 16 31			22 27 22 34	0 28 0 28		1 8 1 8		2 28 2 27		0 5 0 5	,	0 56 0 56		2 18 2 18		15 23 15 24	1 42 1 45		0 44 0 44
F 25	22 18	18 2 4	30 16 58	1 39 23	4 0 16	22 41	0 29	14 2	1 8	13 42	2 27	21 0	0 5	9 21	0 56	24 8	2 18	15 47	15 25	1 47	7 21	0 44
S 26			54 17 25			22 47		13 59	1 8		2 27				0 56		2 18		15 26			0 44
S 27 M28	22 34 22 41	20 7 3 19 35 2	5 17 52 5 18 19	_	3 23 0 20 3 31 0 23	22 54 23 0		13 55 13 52	1 8 1 8	13 40 13 39		20 59 20 59			0 56 0 56	-	2 18 2 19		15 27 15 28	1 51 1 53		0 43 0 43
T 29 W30	-		58 18 45 14 19s11			23 6 23 s11		13 49 13 s46		13 38 13n38		20 58 20n58				24 10 24n10	2 19 2n19		15 29 15n30	1 55 1 s57		0 43 0n43

Julian Day Number = 2247322.5, Delta T = 06m46s

Ecliptic obliquity = 23°30'36, Nutation = -0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 16°56'22, Lahiri = 16°03'23 Julian Calendar 1 Nov. 1440 == Greg. Calendar 10 Nov. 1440

DECEMBER 1440 JC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ď	24	ħ)Å(¥	Р	n	Ω	Ç	ķ	Day
T 1	5 14 42	18 × 10'19	2) 45	1 × 19	23 × 751	15 ×7 46	26≈41	13°R29	4°R10	8°R20	20°R53	16 Ω 35	17 Ω 52	15 ₽ 10	16°R50	T 1
F 2	5 18 38	19°11'26	16°36	2°46	25° 6	16°31	26°50	13825	4 I 7	8 m/20	20952	16°R35	17°49	15°16	16 Υ 49	F 2
S 3	5 22 35	20°12'33	0 Υ 39	4°14	26°22	17°16	27° 0	13°22	4° 5	8°20	20°51	16°35	17°46	15°23	16°48	S 3
S 4	5 26 31	21°13'40	14°55	5°42	27°37	18° 0	27° 9	13°19	4° 3	8°20	20°50	16°32	17°43	15°30	16°47	S 4
M 5	5 30 28	22°14'48	29°22	7°11	28°53	18°45	27°19	13°15	4° 0	8°19	20°49	16°27	17°39	15°37	16°47	M 5
T 6	5 34 24	23°15'56	13854	8°40	8 විග	19°30	27°29	13°12	3°58	8°19	20°48	16°21	17°36	15°43	16°46	T 6
W 7	5 38 21	24°17'04	28°26	10°10	1°23	20°15	27°39	13° 9	3°55	8°19	20°46	16°12	17°33	15°50	16°45	W 7
T 8	5 42 17	25°18'12	12 Ⅲ 53	11°40	2°39	21° 0	27°49	13° 6	3°53	8°19	20°45	16° 3	17°30	15°57	16°44	T 8
F 9	5 46 14	26°19'21	27° 6	13°10	3°54	21°45	27°59	13° 3	3°51	8°19	20°44	15°55	17°27	16° 3	16°44	F 9
S 10	5 50 11	27°20'29	1195 2	14°41	5°10	22°31	28° 9	13° 1	3°49	8°18	20°43	15°49	17°23	16°10	16°43	S 10
S 11	5 54 7	28°21'39	24°35	16°12	6°25	23°16	28°20	12°58	3°46	8°18	20°42	15°44	17°20	16°17	16°43	S 11
M12	5 58 4	29°22'48	7Ω44	17°44	7°40	24° 1	28°30	12°55	3°44	8°18	20°40	15°42	17°17	16°23	16°42	M12
T 13	6 2 0	0 පි 23'58	20°31	19°16	8°56	24°46	28°41	12°53	3°42	8°17	20°39	15°D42	17°14	16°30	16°42	T 13
W14	6 5 5 7	1°25'08	2 m 57	20°48	10°11	25°32	28°52	12°50	3°40	8°17	20°38	15°43	17°11	16°37	16°42	W14
T 15	6 9 53	2°26'18	15° 8	22°20	11°27	26°17	29° 3	12°48	3°38	8°16	20°37	15°45	17° 8	16°44	16°42	T 15
F 16	6 13 50	3°27'29	27° 6	23°53	12°42	27° 2	29°14	12°46	3°35	8°16	20°36	15°46	17° 4	16°50	16°41	F 16
S 17	6 17 46	4°28'39	8 ≏ 58	25°26	13°57	27°48	29°25	12°44	3°33	8°15	20°34	15°R46	17° 1	16°57	16°41	S 17
S 18	6 21 43	5°29'51	20°49	27° 0	15°13	28°33	29°36	12°42	3°31	8°15	20°33	15°45	16°58	17° 4	16°D41	S 18
M19	6 25 40	6°31'02	2 M 43	28°34	16°28	29°19	29°47	12°40	3°29	8°14	20°32	15°41	16°55	17°10	16°41	M19
T 20	6 29 36	7°32'13	14°45	8 중0	17°43	0중 5	29°59	12°38	3°27	8°14	20°30	15°36	16°52	17°17	16°41	T 20
W21	6 33 33	8°33'25	26°59	1°42	18°59 20°14	0°50	0 ∺ 10	12°36	3°25	8°13	20°29	15°30	16°48	17°24	16°41	W21
T 22 F 23	6 37 29 6 41 26	9°34'36 10°35'48	9 ∡ 727 22°11	3°17 4°53	20°14 21°30	1°36 2°22	0°22 0°34	12°35 12°33	3°23 3°21	8°12 8°12	20°28 20°27	15°23 15°17	16°45 16°42	17°30 17°37	16°42 16°42	T 22 F 23
S 24	6 45 22	10°35'48 11°36'59	5 군 11	6°29	21°30 22°45	3° 7	0°45	12°32	3°20	8°11	20°25	15°11	16°39	17°44	16°42	S 24
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S 25	6 49 19	12°38'10	18°27	8° 5	24° 0	3°53	0°57	12°31	3°18	8°10	20°24	15° 7	16°36	17°51	16°42	S 25
M26	6 53 16	13°39'21	1 ≈ 56	9°42	25°16	4°39	1° 9	12°30	3°16	8° 9	20°23	15° 5	16°33	17°57	16°43	M26
T 27	6 57 12 7 1 9	14°40'31 15°41'41	15°38 29°28	11°19 12°57	26°31 27°46	5°25 6°11	1°21 1°33	12°29 12°28	3°14 3°13	8° 9 8° 8	20°21 20°20	15°D 4 15° 5	16°29 16°26	18° 4 18°11	16°43 16°44	T 27 W28
W28 T 29	7 5 5	15°41'41 16°42'49	13) 27	12°57 14°35	27°46 29° 1	6°57	1°33 1°46	12°28 12°27	3°13 3°11	8° 8 8° 7	20°20 20°19	15° 5	16°26 16°23	18°11 18°17	16°44 16°45	W28 T 29
F 30	7 9 2	10 42 49 17°43'57	27°31	16°13	0 ≈ 17	7°43	1°58	12°26	3° 9	8° 6	20°17	15° 8	16°20	18°24	16°45	F 30
S 31	7 12 58	18 る 45'05	11 Y 38	17 ප් 53	1≈32	8 건 29	2 ∺ 10	12826	3 I 8	8 m 5	20516	15 0 9	16 Ω 17	18 ₽ 31	16 Y 46	S 31

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T 1 F 2	22 s59 23 4	7 40 2 34	20 1 0 4	7 <mark>23 57</mark> 0 32	23 22 0 33		13 36 2 26	20n57 0s 5 20 57 0 5	9 21 0 56	24 10 2 19	15n55 15n31 15 55 15 32		7n18 0n43 7 17 0 43
S 3 S 4 M 5 T 6 W 7 T 8 F 9 S 10	23 28 23 29	1n53	20 48 0 3 21 11 0 2 21 32 0 1 21 53 0 22 13 0 22 32 0s 22 50 0 1	11 24 6 0 36 14 24 9 0 39 7 24 11 0 41 9 24 13 0 43 2 24 14 0 45 5 24 14 0 49	23 32 0 34 23 36 0 34 23 41 0 35 23 45 0 36 23 48 0 36 23 52 0 37	13 32 1 7 13 29 1 7 13 25 1 7 13 22 1 6 13 18 1 6 13 15 1 6 13 11 1 6	13 34 2 25 13 34 2 25 13 33 2 25 13 32 2 25 13 31 2 24 13 30 2 24	20 56 0 5 20 56 0 5 20 55 0 5 20 55 0 5 20 55 0 5 20 54 0 5 20 54 0 5 20 53 0 5	9 21 0 57 9 21 0 57	24 11 2 19 24 11 2 19 24 11 2 19 24 12 2 19 24 12 2 20 24 12 2 20 24 13 2 20	15 55 15 33 15 56 15 34 15 57 15 35 15 59 15 36 16 2 15 37 16 4 15 38 16 7 15 39 16 9 15 40 16 10 15 41	2 6 2 8 2 10 2 12 2 14 2 17	7 17 0 43 7 16 0 43 7 16 0 42 7 15 0 42 7 15 0 42 7 15 0 42 7 14 0 42 7 14 0 42
M12 T 13 W14 T 15 F 16 S 17	23 31 23 31 23 30 23 29 23 28 23 26	17 42 0 43 15 6 0n26 11 53 1 32 8 13 2 33 4 18 3 25 0 15 4 9	23 22 0 2 23 37 0 3 23 50 0 3 24 3 0 4 24 14 0 5 24 23 0 5	26 24 10 0 53 24 7 0 55 39 24 4 0 57 40 57 24 0 0 59 50 24 0 0 59 1 1 3 77 23 49 1 3	24 1 0 38 24 3 0 39 24 5 0 39 24 7 0 40 24 9 0 40 24 11 0 41	13 3 1 6 13 0 1 6 12 56 1 6 12 52 1 6 12 48 1 5 12 44 1 5	13 29 2 23 13 29 2 23 13 28 2 23 13 28 2 22 13 27 2 22 13 27 2 22	20 52 0 5 20 52 0 5 20 52 0 5 20 51 0 5 20 51 0 5 20 50 0 5	9 22 0 57 9 23 0 57	24 13 2 20 24 13 2 20 24 14 2 20	16 11 15 42 16 11 15 43 16 10 15 44 16 10 15 45 16 9 15 46 16 9 15 47	2 23 2 25 2 27 2 29 2 32 2 34	7 13 0 42 7 13 0 41 7 13 0 41 7 13 0 41 7 13 0 41 7 12 0 41
S 18 M19 T 20 W21 T 22 F 23 S 24	23 14 23 10 23 5	7 43 5 3 11 22 5 10 14 36 5 4 17 15 4 44 19 8 4 9	24 39 1 24 45 1 1 24 49 1 1 24 53 1 2 24 54 1 2	9 23 35 1 6 4 23 27 1 8 9 23 18 1 9 4 23 9 1 11 9 22 59 1 12	24 13 0 42 24 13 0 43 24 14 0 43 24 14 0 44 24 13 0 44	12 36 1 5 12 32 1 5 12 27 1 5 12 23 1 5 12 19 1 5 12 15 1 5	13 26 2 21 13 26 2 21 13 26 2 21 13 26 2 21 13 25 2 20	20 50 0 5 20 50 0 5 20 49 0 5 20 49 0 5 20 49 0 5 20 48 0 5 20 48 0 5	9 23 0 57 9 23 0 57 9 24 0 57 9 24 0 57 9 24 0 57	24 15 2 20 24 15 2 21 24 16 2 21 24 16 2 21 24 16 2 21	16 10 15 48 16 11 15 49 16 12 15 50 16 14 15 51 16 16 15 52 16 18 15 53 16 20 15 54	2 38 2 40 2 42 2 44 2 47	7 12 0 41 7 12 0 41 7 12 0 41 7 12 0 41 7 12 0 40 7 12 0 40 7 12 0 40
S 25 M26 T 27 W28 T 29 F 30 S 31	22 48 22 42 22 35 22 28 22 20	18 38 1 11 16 15 0s 3 12 55 1 18 8 49 2 29 4 14 3 32	24 51 1 4 24 47 1 4 24 41 1 4 24 34 1 5 24 25 1 5	22 22 24 1 17 66 22 11 1 18 99 21 58 1 19 52 21 44 1 20 55 21 29 1 22	24 11 0 46 24 10 0 46 24 9 0 47 24 7 0 47 24 5 0 48	12 6 1 4 12 2 1 4 11 57 1 4 11 53 1 4 11 48 1 4	13 25 2 19 13 25 2 19 13 25 2 19 13 25 2 18 13 25 2 18	20 48 0 5 20 47 0 5 20 47 0 5 20 47 0 5 20 46 0 5 20 46 0 5 20 46 0 5	9 25 0 57 9 26 0 57 9 26 0 57 9 26 0 58 9 27 0 58	24 17 2 21 24 17 2 21 24 18 2 21 24 18 2 21 24 18 2 21 24 18 2 21	16 21 15 55 16 22 15 55 16 22 15 56 16 22 15 57 16 21 15 58 16 21 15 59 16n20 16n 0	2 53 2 55 2 57 2 59 3 2	7 12 0 40 7 13 0 39 7n13 0n39

Julian Day Number = 2247352.5, Delta T = 06m45s

Ecliptic obliquity = $23^{\circ}30'36$, Nutation = - $0^{\circ}00'12$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 16°56'26, Lahiri = 16°03'27 Julian Calendar 1 Dec. 1440 == Greg. Calendar 10 Dec. 1440