

# Astrodienst Ephemeris Tables for the year 1451

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 1451 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	卉	Р	u	v	Ç	ķ	Day
F 1	7 15 17	19 <b>る</b> 20'38	24 <b>×</b> <sup>7</sup> 23	29°D45	4 <b>) (</b> 49	<b>4</b> Υ35	11 <b>る</b> 49	6 <b>₽</b> 34	19°R19	0°R13	5°R 5	2°R 0	2≈51	5 <b>₹</b> 41	9°R43	F 1
S 2	7 19 13	20°21'46	6 <b>ප</b> 23	29 <b>х</b> 46	5°57	5°15	12° 3	6°34	19917	0 <b>ჲ</b> 13	5 <b>N</b> 3	1≈58	2°47	5°48	9 <b>Ⅱ</b> 40	S 2
S 3	7 23 10	21°22'53	18°31	29°54	7° 4	5°55	12°17	6°35	19°14	0°13	5° 2	1°57	2°44	5°55	9°38	S 3
M 4	7 27 6	22°24'00	0≈49	0 <b>궁</b> 10	8°11	6°35	12°31	6°35	19°12	0°12	5° 1	1°D57	2°41	6° 2	9°35	M 4
T 5	7 31 3	23°25'06	13°18	0°33	9°17	7°15	12°45	6°35	19° 9	0°12	4°59	1°57	2°38	6° 8	9°33	T 5
W 6	7 34 59	24°26'11	25°58	1° 2	10°24	7°55	12°59	6°35	19° 6	0°12	4°58	1°57	2°35	6°15	9°30	W 6
T 7	7 38 56	25°27'15	8 <b>∺</b> 51	1°36	11°30	8°35	13°13	6°R35	19° 4	0°11	4°57	1°58	2°32	6°22	9°28	T 7
F 8	7 42 52	26°28'17	21°59	2°16	12°36	9°15	13°27	6°35	19° 1	0°11	4°55	1°59	2°28	6°28	9°26	F 8
S 9	7 46 49	27°29'19	5 <b>Υ</b> 21	3° 0	13°42	9°55	13°40	6°35	18°59	0°10	4°54	1°59	2°25	6°35	9°24	S 9
S 10	7 50 46	28°30'20	18°59	3°48	14°47	10°35	13°54	6°35	18°56	0° 9	4°52	1°59	2°22	6°42	9°22	S 10
M11	7 54 42	29°31'19	2 <b>8</b> 53	4°40	15°52	11°15	14° 8	6°35	18°53	0° 9	4°51	2°R 0	2°19	6°48	9°20	M11
T 12	7 58 39	0≈32'18	17° 2	5°35	16°57	11°55	14°22	6°34	18°51	0° 8	4°50	1°59	2°16	6°55	9°18	T 12
W13	8 2 3 5	1°33'15	1 <b>II</b> 26	6°34	18° 2	12°35	14°36	6°33	18°48	0° 8	4°48	1°D59	2°13	7° 2	9°16	W13
T 14	8 6 32	2°34'11	16° 0	7°36	19° 6	13°15	14°49	6°33	18°46	0° 7	4°47	1°59	2° 9	7° 9	9°14	T 14
F 15	8 10 28	3°35'05	0940	8°40	20°10	13°55	15° 3	6°32	18°43	0° 6	4°45	2° 0	2° 6	7°15	9°13	F 15
S 16	8 14 25	4°35'58	15°19	9°46	21°13	14°35	15°17	6°31	18°41	0° 5	4°44	2° 0	2° 3	7°22	9°11	S 16
S 17	8 18 21	5°36'50	29°52	10°55	22°17	15°15	15°30	6°30	18°38	0° 5	4°43	2°R 0	2° 0	7°29	9° 9	S 17
M18	8 22 18	6°37'41	14 <b>\O</b> 13	12° 5	23°19	15°55	15°44	6°29	18°36	0° 4	4°41	2° 0	1°57	7°35	9° 8	M18
T 19	8 26 15	7°38'31	28°15	13°18	24°22	16°35	15°57	6°28	18°33	0° 3	4°40	1°59	1°53	7°42	9° 7	T 19
W20	8 30 11	8°39'19	11 <b>m</b> 55	14°32	25°24	17°15	16°11	6°26	18°31	0° 2	4°38	1°59	1°50	7°49	9° 5	W20
T 21	8 34 8	9°40'06	25°13	15°47	26°26	17°55	16°24	6°25	18°29	0° 1	4°37	1°58	1°47	7°55	9° 4	T 21
F 22	8 38 4	10°40'53	8 <b>요</b> 7	17° 5	27°27	18°35	16°38	6°23	18°26	0° 0	4°36	1°57	1°44	8° 2	9° 3	F 22
S 23	8 42 1	11°41'38	20°41	18°23	28°28	19°15	16°51	6°22	18°24	29 <b>m</b> 59	4°34	1°56	1°41	8° 9	9° 2	S 23
S 24	8 45 57	12°42'22	2 <b>M</b> .57	19°43	29°29	19°55	17° 5	6°20	18°22	29°58	4°33	1°55	1°38	8°15	9° 1	S 24
M25	8 49 54	13°43'05	15° 0	21° 5	0 <b>Υ</b> 29	20°35	17°18	6°18	18°19	29°57	4°31	1°D55	1°34	8°22	9° 0	M25
T 26	8 53 50	14°43'47	26°55	22°27	1°28	21°15	17°31	6°16	18°17	29°56	4°30	1°55	1°31	8°29	8°59	T 26
W27	8 57 47	15°44'28	8 <b>₹</b> 45	23°51	2°27	21°55	17°44	6°14	18°15	29°55	4°29	1°56	1°28	8°36	8°58	W27
T 28	9 1 44	16°45'07	20°36	25°15	3°26	22°35	17°58	6°12	18°13	29°54	4°27	1°57	1°25	8°42	8°57	T 28
F 29	9 5 40	17°45'46	2 <b>云</b> 33	26°41	4°24	23°15	18°11	6°10	18°10	29°53	4°26	1°59	1°22	8°49	8°57	F 29
S 30	9 9 37	18°46'23	14°38	28° 8	5°22	23°55	18°24	6° 7	18° 8	29°52	4°25	2° 0	1°19	8°56	8°56	S 30
S 31	9 13 33	19≈46'58	26 <b>궁</b> 56	29 <b>궁</b> 36	6 <b>Ƴ</b> 19	24 <b>Y</b> 35	18 <b>궁</b> 37	6 <b>₾</b> 5	1895 6	29 <b>m</b> 51	4 <b>Ω</b> 23	2°R 1	1≈15	9 <b>才</b> 2	8耳56	S 31

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F 1 S 2	22 s 7 21 58			5n 2 10s42 2 54 10 13	1s 0 1n48 0 56 2 5	0s 2 0 1	23 s 5 23 4	0s 6 0 7	0s21 0 21		22n37 22 37	0n30 0 30	1n15 1n2 1 15 1 2					25 s35 25 35	16n39 16 39	5 s23 5 23
S 3 M 4 T 5 W 6	21 48 21 39 21 28 21 18	20 8 0 6 15 53 1n 3	20 54 2	2 45 9 45 2 36 9 16 2 27 8 47 2 17 8 17	0 52 2 22 0 47 2 39 0 43 2 56 0 39 3 12	0n 1 0 2 0 3 0 4	23 1	0 7 0 7 0 7 0 7	0 21 0 21 0 21 0 21	2 28 2 29	22 38		1 16 1 2 1 16 1 2 1 16 1 2 1 16 1 2	8 25 34 8 25 35	6 42 6 43	19 47 19 47	19 37 19 38	25 36 25 37 25 37 25 38	16 39 16 38	5 23 5 22 5 22 5 22
T 7 F 8 S 9	21 7 20 55 20 44	5 19 3 11 0n32 4 3 6 28 4 44	21 23 2 3 21 33 1 4 21 42 1	57 7 18 47 6 48	0 34 3 29 0 29 3 46 0 24 4 3	0 7	22 57 22 56	0 7 0 7 0 7	0 21 0 20 0 20	2 29 2 29 2 30	22 39 22 39 22 40	0 30	1 16 1 2 1 17 1 2 1 17 1 2	8 25 36 8 25 36 8 25 36	6 43 6 43	19 47 19 47	19 40 19 41	25 39 25 40 25 40	16 38 16 38	5 22 5 21 5 21
S 10 M11 T 12 W13	19 52	17 28 5 17 21 52 5 7 25 1 4 37	7 22 0 1 7 22 8 1 7 22 15 1		0 19 4 19 0 14 4 36 0 9 4 53 0 4 5 9	0 11	22 53 22 52 22 50	0 7 0 7 0 8 0 8	0 20 0 19 0 19 0 18	2 30 2 31 2 31	22 41 22 41	0 30 0 30 0 30	1 17 1 2 1 18 1 2 1 18 1 2 1 18 1 2	8 25 37 8 25 38 9 25 38	6 43 6 43 6 43	19 47 19 47 19 47	19 42 19 43 19 44	25 41 25 42 25 42 25 43	16 38 16 38 16 38	5 21 5 21 5 21 5 20
T 14 F 15 S 16	19 25 19 10	24 8 1 31	5 22 28 0 22 33 0	0 56 4 18 0 46 3 48 0 36 3 18	0n 1 5 26 0 7 5 42 0 12 5 59	0 13 0 14	22 49 22 47 22 46	0 8 0 8 0 8	0 18 0 17 0 16	2 31 2 32	22 42 22 42	0 30	1 18 1 2 1 19 1 2 1 19 1 2	25 39 25 39	6 44 6 44	19 47 19 47	19 45 19 46	25 44 25 44 25 45	16 38 16 38	5 20 5 20 5 20
S 17 M18 T 19 W20	18 40 18 25 18 9	15 32 1s 7 9 55 2 21 3 58 3 24	7 22 40 0 22 42 0 1 22 43 0	s 0 1 17	0 18 6 15 0 24 6 32 0 30 6 48 0 36 7 4	0 16 0 17 0 18	22 45 22 43 22 42 22 40	0 8 0 8 0 8 0 8	0 16 0 15 0 14 0 14	2 32 2 32 2 33	22 43 22 43 22 44	0 30 0 30 0 30	1 19 1 2 1 20 1 2 1 20 1 2 1 21 1 2	25 40 25 41 25 41	6 44 6 44 6 44	19 47 19 47 19 47	19 47 19 48 19 49	25 46 25 46 25 47 25 47	16 38 16 38 16 38	5 19 5 19 5 19 5 18
T 21 F 22 S 23	17 53 17 37 17 20	7 40 4 50 12 54 5 11	22 40 0	0 17 0 17 0 25 0n13	0 42 7 20 0 48 7 36 0 54 7 52	0 19 0 20	22 39 22 37 22 35	0 9 0 9 0 9	0 13 0 12 0 11	2 33 2 34	22 44 22 44 22 45			25 42 9 25 42	6 44 6 44	19 47 19 47	19 50 19 51	25 48 25 49 25 49	16 38 16 38	5 18 5 18 5 18
S 24 M25 T 26 W27	16 46	21 18 5 9 24 11 4 47	22 32 0	0 33 0 43 0 41 1 13 0 48 1 42 0 55 2 12	1 0 8 8 1 7 8 24 1 13 8 40 1 20 8 56	0 22 0 23	22 32 22 31	0 9 0 9 0 9 0 9	0 10 0 9 0 8 0 7	2 34 2 34		0 30 0 30	1 22 1 2 1 23 1 2 1 23 1 2 1 24 1 2	9 25 43 9 25 44	6 44 6 44	19 48 19 48	19 52 19 53	25 50 25 50 25 51 25 51	16 39 16 39	5 17 5 17 5 17 5 16
T 28 F 29 S 30	15 33	<b>26 5 2 36</b>		2 2 42 8 3 11 15 3 40	1 27 9 12 1 33 9 27 1 40 9 43	0 25	22 27 22 26 22 24	0 9 0 9 0 10	0 6 0 5 0 4	2 35	22 46 22 46 22 47		1 24 1 2 1 25 1 2 1 25 1 2	9 25 45	6 44	19 47	19 55	25 52 25 53 25 53	16 39	5 16 5 16 5 16
S 31	14 s56	21 s18 0 s28	21 s36 1	s21 4n 9	1n47 9n58	0n27	$22\mathrm{s}22$	0 s 1 0	0s 3	2n36	22n47	0n30	1n26 1n2	9 25n45	6n44	19 s46	19 s56	25 s54	16n40	5 s15

Julian Day Number = 2251035.5, Delta T = 06m28s

Ecliptic obliquity = 23°30'43, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 17°04'52, Lahiri = 16°11'52 Julian Calendar 1 Jan. 1451 == Greg. Calendar 10 Jan. 1451

FEBRUARY 1451 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	卉	Р	រា	v	Ç	ķ	Day
M 1	9 17 30	20≈47'33	9≈28	1≈ 5	7 <b>Υ</b> 16	25 <b>Υ</b> 15	18 <b>궁</b> 50	6°R 2	18°R 4	29°R50	4°R22	2°R 1	1≈12	9 <b>,7</b> 9	8°R55	M 1
T 2	9 21 26	21°48'05	22°15	2°35	8°12	25°55	19° 3	6 <b>₾</b> 0	1895 2	29 Mp 48	$4\Omega 21$	2≈ 0	1° 9	9°16	8耳55	T 2
W 3	9 25 23	22°48'36	5 <b>)</b> 18	4° 6	9° 7	26°35	19°16	5°57	18° 0	29°47	4°19	1°57	1° 6	9°22	8°55	W 3
T 4	9 29 19	23°49'05	18°36	5°38	10° 2	27°15	19°28	5°54	17°58	29°46	4°18	1°54	1° 3	9°29	8°55	T 4
F 5	9 33 16	24°49'33	2 <b>Y</b> 8	7°11	10°56	27°55	19°41	5°51	17°56	29°45	4°17	1°51	0°59	9°36	8°D55	F 5
S 6	9 37 13	25°49'59	15°52	8°45	11°50	28°35	19°54	5°49	17°54	29°43	4°15	1°47	0°56	9°43	8°55	S 6
S 7	9 41 9	26°50'22	29°45	10°19	12°43	29°15	20° 6	5°45	17°52	29°42	4°14	1°44	0°53	9°49	8°55	S 7
M 8	9 45 6	27°50'44	13 <b>8</b> 46	11°55	13°35	29°55	20°19	5°42	17°50	29°41	4°13	1°43	0°50	9°56	8°55	M 8
T 9	9 49 2	28°51'04	27°52	13°32	14°26	0 <b>8</b> 35	20°31	5°39	17°49	29°39	4°11	1°D42	0°47	10° 3	8°55	T 9
W10	9 52 59	29°51'22	12 <b>II</b> 3	15°10	15°17	1°15	20°44	5°36	17°47	29°38	4°10	1°42	0°44	10° 9	8°56	W10
T 11	9 56 55	0 <b>∺</b> 51'37	26°16	16°48	16° 7	1°55	20°56	5°33	17°45	29°37	4° 9	1°44	0°40	10°16	8°56	T 11
F 12	10 0 52	1°51'51	109529	18°28	16°56	2°34	21° 9	5°29	17°43	29°35	4° 8	1°45	0°37	10°23	8°57	F 12
S 13	10 448	2°52'03	24°39	20° 9	17°44	3°14	21°21	5°26	17°42	29°34	4° 7	1°R46	0°34	10°29	8°57	S 13
S 14	10 8 45	3°52'12	8 <b>Ω</b> 44	21°51	18°31	3°54	21°33	5°22	17°40	29°32	4° 5	1°46	0°31	10°36	8°58	S 14
M15	10 12 42	4°52'19	22°39	23°34	19°17	4°34	21°45	5°18	17°39	29°31	4° 4	1°45	0°28	10°43	8°59	M15
T 16	10 16 38	5°52'25	6 <b>m</b> 23	25°18	20° 2	5°14	21°57	5°15	17°37	29°29	4° 3	1°41	0°24	10°49	9° 0	T 16
W17	10 20 35	6°52'28	19°51	27° 3	20°47	5°54	22° 9	5°11	17°36	29°28	4° 2	1°36	0°21	10°56	9° 0	W17
T 18	10 24 31	7°52'30	3 <b>₾</b> 1	28°49	21°30	6°33	22°21	5° 7	17°34	29°26	4° 1	1°30	0°18	11° 3	9° 1	T 18
F 19	10 28 28	8°52'30	15°53	0 <b>)</b> €36	22°12	7°13	22°33	5° 3	17°33	29°25	4° 0	1°24	0°15	11°10	9° 3	F 19
S 20	10 32 24	9°52'28	28°27	2°24	22°53	7°53	22°44	4°59	17°32	29°23	3°58	1°17	0°12	11°16	9° 4	S 20
S 21	10 36 21	10°52'24	10 <b>M</b> .45	4°14	23°33	8°32	22°56	4°55	17°30	29°22	3°57	1°12	0° 9	11°23	9° 5	S 21
M22	10 40 17	11°52'19	22°49	6° 4	24°11	9°12	23° 7	4°51	17°29	29°20	3°56	1°8	0° 5	11°30	9° 6	M22
T 23	10 44 14	12°52'12	4 <b>₹</b> 45	7°56	24°49	9°52	23°19	4°47	17°28	29°19	3°55	1° 6	0° 2	11°36	9°8	T 23
W24	10 48 11	13°52'04	16°35	9°49	25°25	10°32	23°30	4°43	17°27	29°17	3°54	1°D 6	29 <b>궁</b> 59	11°43	9° 9	W24
T 25	10 52 7	14°51'53	28°27	11°43	26° 0	11°11	23°41	4°39	17°26	29°16	3°53	1° 7	29°56	11°50	9°11	T 25
F 26	10 56 4	15°51'41	10 <b>ට</b> 24	13°38	26°33	11°51	23°53	4°35	17°25	29°14	3°52	1° 8	29°53	11°56	9°12	F 26
S 27	11 0 0	16°51'27	22°31	15°34	27° 5	12°30	24° 4	4°30	17°24	29°12	3°51	1° 9	29°50	12° 3	9°14	S 27
S 28	11 3 57	17 <b>)</b> 51'12	4≈54	17 <b>∺</b> 31	27 <b>Y</b> 35	13810	24중15	4 <b>₾</b> 26	179523	29 <b>m</b> )11	3 <b>Q</b> 50	1°R10	29 <b>궁</b> 46	12 <b>×</b> 10	9 <b>П</b> 16	S 28

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M 1	14 s36	17 s17	0n41	21 s23	1 s26	4n38	1n54	10n14	0n28	22 s21	0 s10	0 s 1	2n36	22n47	0n30	1n26	1n29	25n46	6n44	19 s46	19 s 5 7	25 s54	16n40	5 s 1 5
T 2	14 17	12 25	1 49	21 8	1 31	5 7	2 1	10 29	0 28	22 19	0 10	0 0	2 36	22 47	0 30	1 27	1 29	25 46	6 44	19 47	19 58	25 55	16 40	5 15
W 3	13 57	6 54	2 53	20 51	1 36	5 36	2 8	10 44	0 29	22 17	0 10	0n 1	2 36	22 48	0 30	1 27	1 29	25 46	6 44	19 47	19 59	25 55	16 40	5 14
T 4	13 37	1 0	3 49	20 33	1 41	6 4	2 16	11 0	0 30	22 16	0 10	0 3	2 37	22 48	0 30	1 28	1 30	25 47	6 44	19 48	19 59	25 56	16 41	5 14
F 5	13 17	5n 1	4 33	20 14	1 45	6 32	2 23	11 15	0 31	22 14	0 10	0 4	2 37	22 48	0 30	1 28	1 30	25 47	6 44	19 49	20 0	25 56	16 41	5 14
S 6	12 57	10 54	5 2	19 53	1 49	7 0	2 30	11 30	0 31	22 12	0 10	0 5	2 37	22 48	0 30	1 29	1 30	25 47	6 44	19 49	20 1	25 57	16 41	5 13
S 7	12 36	16 18	5 14	19 31	1 53	7 27	2 38	11 45	0 32	22 10	0 10	0 7	2 37	22 49	0 30	1 29	1 30	25 48	6 44	19 50	20 1	25 57	16 42	5 13
M 8	12 15	20 54	5 7	19 8	1 56	7 55	2 45	11 59	0 33	22 9	0 11	0 8	2 37	22 49	0 30	1 30	1 30	25 48	6 44	19 50	20 2	25 58	16 42	5 13
T 9	11 55	24 19	4 42	18 43	1 59	8 22	2 53	12 14	0 34	22 7	0 11	0 10	2 38	22 49	0 30	1 30	1 30	25 48	6 44	19 51	20 3	25 58	16 42	5 13
W10	11 33	26 16	4 0	18 16	2 2	8 48	3 0	12 29	0 34	22 5	0 11	0 11	2 38	22 49	0 30	1 31	1 30	25 49	6 44	19 50	20 3	25 58	16 43	5 12
T 11	11 12	26 30	3 2	17 49	2 4	9 15	3 8	12 43	0 35	22 3	0 11	0 13	2 38	22 50	0 30	1 32	1 30	25 49	6 44	19 50	20 4	25 59	16 43	5 12
F 12	10 51	24 59	1 54	17 20	2 6	9 41	3 16	12 58	0 36	22 2	0 11	0 14	2 38	22 50	0 30	1 32	1 30	25 49	6 44	19 50	20 5	25 59	16 44	5 12
S 13	10 29	21 54	0 39	16 49	2 7	10 7	3 24	13 12	0 36	22 0	0 11	0 16	2 38	22 50	0 30	1 33	1 30	25 50	6 44	19 50	20 5	26 0	16 44	5 11
S 14	10 7	17 31	0s38	16 17	2 8	10 32	3 31	13 26	0 37	21 58	0 11	0 17	2 39	22 50	0 30	1 33	1 30	25 50	6 44	19 50	20 6	26 0	16 44	5 11
M15	9 45	12 15	1 52	15 44	2 8	10 57	3 39	13 40	0 38	21 56	0 11	0 19	2 39	22 50	0 30	1 34	1 30	25 50	6 44	19 50	20 7	26 1	16 45	5 11
T 16	9 23	6 27	2 58	15 9	2 9	11 21	3 47	13 54	0 38	21 54	0 12	0 20	2 39	22 51	0 30	1 35	1 30	25 50	6 44	19 51	20 7	26 1	16 45	5 10
W17	9 1	0 28	3 52	14 32	2 8	11 46	3 55	14 8	0 39	21 53	0 12	0 22	2 39	22 51	0 30	1 35	1 30	25 51	6 44	19 52	20 8	26 1	16 46	5 10
T 18	8 39	5 s23	4 33	13 55	2 7	12 9	4 3	14 22	0 39	21 51	0 12	0 24	2 39	22 51	0 30	1 36	1 30	25 51	6 44	19 53	20 9	26 2	16 46	5 10
F 19	8 16	10 52	4 59	13 15	2 6	12 33	4 11	14 36	0 40	21 49	0 12	0 26	2 40	22 51	0 30	1 37	1 30	25 51	6 44	19 55	20 10	26 2	16 47	5 9
S 20	7 53	15 46	5 10	12 35	2 4	12 55	4 19	14 49	0 41	21 47	0 12	0 27	2 40	22 51	0 30	1 37	1 30	25 51	6 44	19 56	20 10	26 3	16 47	5 9
S 21	7 31	19 56	5 6	11 53	2 2	13 18	4 27	15 3	0 41	21 45	0 12	0 29	2 40	22 51	0 30	1 38	1 30	25 52	6 44	19 57	20 11	26 3	16 48	5 9
M22	7 8	23 11	4 49	11 10	1 59	13 40	4 35	15 16	0 42	21 44	0 12	0 31	2 40	22 52	0 30	1 38	1 30	25 52	6 44	19 58	20 12	26 3	16 48	5 8
T 23	6 45	25 23	4 19	10 25	1 56	14 1	4 43	15 29	0 42	21 42	0 12	0 32	2 40	22 52	0 30	1 39	1 30	25 52	6 44	19 58	20 12	26 4	16 49	5 8
W24	6 22	26 27	3 38	9 39	1 52	14 22	4 51	15 42	0 43	21 40	0 13	0 34	2 40	22 52	0 30	1 40	1 30	25 52	6 44	19 59	20 13	26 4	16 49	5 8
T 25	5 59	26 18	2 48	8 51	1 48	14 42	4 58	15 55	0 44	21 38	0 13	0 36	2 40	22 52	0 30	1 40	1 30	25 53	6 44	19 58	20 14	26 4	16 50	5 7
F 26	5 36	24 56	1 50	8 3	1 43	15 1	5 6	16 8	0 44	21 36	0 13	0 38	2 41	22 52	0 30	1 41	1 30	25 53	6 44	19 58	20 14	26 5	16 50	5 7
S 27	5 12	22 23	0 47	7 13	1 38	15 20	5 14	16 21	0 45	21 35	0 13	0 40	2 41	22 52	0 30	1 42	1 30	25 53	6 44	19 58	20 15	26 5	16 51	5 7
S 28	4 s49	18 s46	0n20	6 s 2 1	1 s32	15n39	5n22	16n33	0n45	21 s33	0 s13	0n42	2n41	22n52	0n30	1n42	1n30	25n53	6n44	19 s58	20 s16	26s 5	16n51	5 s 7

Julian Day Number = 2251066.5, Delta T = 06m27s

Ecliptic obliquity = 23°30'43, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 17°04'56, Lahiri = 16°11'57 Julian Calendar 1 Feb. 1451 == Greg. Calendar 10 Feb. 1451

MARCH 1451 JC 00:00 UT

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Day	Sid.t	0	)	ğ	φ	ð	4	ħ	)∤(	并	Р	S.	v	Ç	ę,	Day
M 1	11 7 53	18 <b>)</b> 50'54	17≈36	19 <b>)</b> 29	28 <b>Y</b> 4	13850	24중26	4°R22	17°R22	29°R 9	3°R49	1°R 8	29 <b>궁</b> 43	12 <b>×</b> 16	9 <b>Ⅱ</b> 18	M 1
T 2	11 11 50	19°50'35	0 <b>)</b> €38	21°28	28°31	14°29	24°36	4 <b>≏</b> 17	179521	29Mp 8	3 <b>Ω</b> 48	1≈ 5	29°40	12°23	9°20	T 2
W 3	11 15 46	20°50'13	14° 1	23°28	28°56	15° 9	24°47	4°13	17°20	29° 6	3°47	0°59	29°37	12°30	9°22	W 3
T 4	11 19 43	21°49'50	27°44	25°28	29°20	15°48	24°58	4° 8	17°20	29° 4	3°47	0°51	29°34	12°36	9°24	T 4
F 5	11 23 40	22°49'24	11 <b>Y</b> 44	27°29	29°42	16°28	25° 8	4° 4	17°19	29° 3	3°46	0°43	29°30	12°43	9°26	F 5
S 6	11 27 36	23°48'56	25°56	29°30	0 <b>8</b> 2	17° 7	25°19	3°59	17°18	29° 1	3°45	0°34	29°27	12°50	9°28	S 6
S 7	11 31 33	24°48'27	10815	1 <b>Y</b> 31	0°20	17°47	25°29	3°55	17°18	28°59	3°44	0°26	29°24	12°57	9°30	S 7
M 8	11 35 29	25°47'55	24°35	3°32	0°36	18°26	25°39	3°50	17°17	28°58	3°43	0°20	29°21	13° 3	9°33	M 8
T 9	11 39 26	26°47'20	8耳53	5°32	0°50	19° 6	25°49	3°45	17°17	28°56	3°43	0°17	29°18	13°10	9°35	T 9
W10	11 43 22	27°46'43	23° 4	7°32	1° 2	19°45	25°59	3°41	17°16	28°54	3°42	0°D15	29°15	13°17	9°38	W10
T 11	11 47 19	28°46'04	795 9	9°31	1°11	20°25	26° 9	3°36	17°16	28°53	3°41	0°15	29°11	13°23	9°40	T 11
F 12	11 51 15	29°45'23	21° 5	11°28	1°19	21° 4	26°19	3°31	17°16	28°51	3°40	0°16	29° 8	13°30	9°43	F 12
S 13	11 55 12	<b>0Υ</b> 44'39	4 <b>Ω</b> 53	13°23	1°24	21°44	26°28	3°27	17°16	28°49	3°40	0°R16	29° 5	13°37	9°46	S 13
S 14	11 59 9	1°43'52	18°32	15°17	1°26	22°23	26°38	3°22	17°15	28°48	3°39	0°15	29° 2	13°43	9°48	S 14
M15	12 3 5	2°43'04	2 Mp 1	17° 7	1°R27	23° 2	26°47	3°18	17°15	28°46	3°38	0°11	28°59	13°50	9°51	M15
T 16	12 7 2	3°42'13	15°20	18°55	1°25	23°42	26°57	3°13	17°15	28°44	3°38	0° 4	28°56	13°57	9°54	T 16
W17	12 10 58	4°41'20	28°27	20°39	1°20	24°21	27° 6	3° 8	17°D15	28°43	3°37	29 <b>궁</b> 55	28°52	14° 3	9°57	W17
T 18	12 14 55	5°40'24	11 <b>≏</b> 21	22°20	1°13	25° 0	27°15	3° 4	17°15	28°41	3°37	29°44	28°49	14°10	10° 0	T 18
F 19	12 18 51	6°39'27	24° 2	23°56	1° 3	25°40	27°24	2°59	17°15	28°40	3°36	29°32	28°46	14°17	10° 3	F 19
S 20	12 22 48	7°38'28	6M29	25°28	0°51	26°19	27°33	2°54	17°15	28°38	3°36	29°20	28°43	14°23	10° 7	S 20
S 21	12 26 44	8°37'27	18°42	26°55	0°36	26°58	27°41	2°50	17°15	28°36	3°35	29°10	28°40	14°30	10°10	S 21
M22	12 30 41	9°36'24	0 <b>∡</b> 744	28°17	0°19	27°37	27°50	2°45	17°16	28°35	3°35	29° 1	28°36	14°37	10°13	M22
T 23	12 34 37	10°35'19	12°38	29°34	0° 0	28°16	27°58	2°40	17°16	28°33	3°34	28°55	28°33	14°43	10°16	T 23
W24	12 38 34	11°34'13	24°28	0846	29 <b>Y</b> 38	28°56	28° 6	2°36	17°16	28°31	3°34	28°52	28°30	14°50	10°20	W24
T 25	12 42 31	12°33'04	6 <b>ਰ</b> 19	1°51	29°14	29°35	28°15	2°31	17°17	28°30	3°34	28°50	28°27	14°57	10°23	T 25
F 26	12 46 27	13°31'54	18°14	2°51	28°48	0 <b>П</b> 14	28°23	2°27	17°17	28°28	3°33	28°D50	28°24	15° 4	10°27	F 26
S 27	12 50 24	14°30'42	0≈21	3°45	28°20	0°53	28°30	2°22	17°18	28°27	3°33	28°R50	28°21	15°10	10°31	S 27
S 28	12 54 20	15°29'29	12°45	4°33	27°50	1°32	28°38	2°18	17°18	28°25	3°33	28°50	28°17	15°17	10°34	S 28
M29	12 58 17	16°28'13	25°29	5°15	27°19	2°11	28°46	2°13	17°19	28°24	3°32	28°47	28°14	15°24	10°38	M29
T 30	13 2 13	17°26'56	8 <b>∺</b> 38	5°51	26°46	2°50	2 <u>8</u> °53	2° 9	17°20	28°22	3°32	2 <u>8</u> °42	2 <u>8</u> °11	15°30	10°42	T 30
W31	13 6 10	18 <b>℃</b> 25'37	22 <b>)</b> 13	6820	26 <b>Y</b> 11	3Ⅱ29	29る 0	2 <b>♀</b> 4	179520	28 <b>m</b> ) 20	3 <b>Ω</b> 32	28 <b>궁</b> 34	28 <b>궁</b> 8	15 <b>∡</b> ³37	10 <b>Ⅱ</b> 45	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 decl	decl lat
M 1 T 2	4 s26 4 2	14s13 1n28 8 55 2 32	5 s 2 9 1 s 2 : 4 3 6 1 1 8			21 s31 0 s13 21 29 0 13	0n43 2n41 0 45 2 41	22n52 0n30 22 52 0 30			19 s58 20 19 59 20	0s16 26s 6	16n52 5s 6 16 52 5 6
W 3 T 4	3 39 3 15	3 5 3 30 3n 1 4 17	2 46 1 3	3 16 45 5 52	7 22 0 47		0 47 2 41 0 49 2 41	22 53 0 30		25 54 6 44	20 2 20	-	
F 5 S 6	2 51 2 28	9 5 4 49 14 46 5 5	1 50 0 54 0 53 0 45		17 34 0 48 17 46 0 48		0 51 2 41 0 53 2 41	22 53 0 30 22 53 0 30				) 19 26 7 ) 20 26 7	16 54 5 5 16 55 5 5
S 7 M 8 T 9 W10	- 1	25 47 4 0	1 59 0 14	5 17 39 6 21	8 9 0 49 8 21 0 50	21 20 0 14 21 19 0 14 21 17 0 14 21 15 0 14	0 57 2 42 0 58 2 42	22 53 0 30 22 53 0 30 22 53 0 30 22 53 0 30	1 48 1 30 1 48 1 30	25 54 6 43	20 8 20 20 9 20	20 26 7 0 21 26 8 0 22 26 8 0 22 26 8	16 57 5 4
T 11 F 12 S 13	0 6 0n18	22 40 0 49 18 42 0 s 25	3 54 On 8 4 51 0 20 5 47 0 3	0 18 18 6 46 1 18 25 6 51	8 54 0 51 9 5 0 51	21 13 0 15 21 12 0 15 21 10 0 15	1 4 2 42 1 6 2 42	22 53 0 30	1 50 1 30 1 51 1 30	25 55 6 43 25 55 6 43	20 9 20 20 9 20	23 26 8 0 24 26 9 0 24 26 9	16 59 5 3 16 59 5 3
S 14 M15 T 16 W17 T 18 F 19 S 20	1 5 1 29 1 52 2 16 2 39	13 48 1 36 8 17 2 41 2 29 3 36 3 s20 4 19 8 54 4 47 14 0 5 1 18 26 5 0	6 42 0 42 7 36 0 55 8 28 1 9 19 1 19 10 7 1 33 10 53 1 42 11 37 1 53	5 18 35 7 2 7 18 39 7 6 9 18 41 7 10 1 18 42 7 14 2 18 41 7 17	19     26     0     52       19     36     0     53       19     46     0     53       19     57     0     54       20     6     0     54	21 7 0 15 21 5 0 15 21 3 0 16 21 2 0 16	1 10 2 42 1 12 2 42 1 14 2 42 1 15 2 42 1 17 2 42	22 53 0 30	1 52 1 30 1 53 1 30 1 54 1 30 1 54 1 30 1 55 1 30	25 55 6 43 25 55 6 43 25 55 6 43 25 55 6 43 25 55 6 42	20 14 20 20 16 20 20 19 20		17 1 5 2 17 2 5 2 17 3 5 1 17 3 5 1
S 21 M22 T 23 W24 T 25 F 26 S 27	3 49 4 12 4 35 4 58	24 34 4 18 26 0 3 39 26 15 2 52 25 18 1 57 23 11 0 56	12 19 2 3 12 58 2 13 13 34 2 23 14 7 2 30 14 37 2 38 15 5 2 43 15 29 2 50	2 18 25 7 24 2 0 18 17 7 24 2 8 18 8 7 23 2 5 17 57 7 22 2	20 35 0 55 20 44 0 56 20 53 0 56 21 2 0 56 21 11 0 57	20 57 0 16 20 55 0 16 20 54 0 16 20 52 0 17 20 51 0 17 20 49 0 17 20 48 0 17	1 23 2 42 1 25 2 42 1 26 2 42 1 28 2 42 1 30 2 42	22 53 0 29 22 52 0 29	1 57 1 30 1 58 1 30 1 58 1 30 1 59 1 30 1 59 1 30	25 55 6 42 25 55 6 42 25 55 6 42 25 55 6 42 25 55 6 42	20 25 20 20 26 20 20 27 20 20 27 20 20 27 20	29 26 10 0 30 26 11 0 31 26 11 0 31 26 11 0 32 26 11 0 33 26 11 0 33 26 11	17 6 5 0 17 6 5 0 17 7 5 0 17 8 5 0 17 8 5 0
S 28 M29 T 30 W31		10 56 2 16 5 21 3 14	16 22 3	9 17 16 7 14	21 36 0 58 21 44 0 58	20 47 0 17 20 45 0 17 20 44 0 18 20 s43 0 s18	1 35 2 42 1 37 2 42	22 52 0 29 22 52 0 29 22 52 0 29 22 52 0 29 22n52 0n29	2 1 1 30 2 2 1 30	25 55 6 41 25 55 6 41	20 28 20 20 29 20	0 34 26 11 0 35 26 11 0 35 26 12 0 s 36 26 s 12	17 11 4 59 17 11 4 59

Julian Day Number = 2251094.5, Delta T = 06m27s

Ecliptic obliquity =  $23^{\circ}30'43$ , Nutation =  $0^{\circ}00'16$ , out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 17^{\circ}05'00, Lahiri = 16^{\circ}12'01 \ Julian \ Calendar \ 1 \ March \ 1451 == Greg. \ Calendar \ 10 \ March \ 1451 = 10^{\circ}12'01 \ Mar$ 

APRIL 1451 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)f(	卉	В	S.	Ω	Ç	ķ	Day
T 1	13 10 6	19 <b>Y</b> 24'16	6 <b>Υ</b> 14	6 <b>8</b> 43	25°R36	4 <b>I</b> I 8	29る 8	2°R 0	179521	28°R19	3°R32	28°R24	28 <b>궁</b> 5	15 <b>∡</b> 744	10 <b>Ⅱ</b> 49	T 1
F 2	13 14 3	20°22'53	20°36	7° 0	24 <b>Υ</b> 59	4°47	29°15	1 <b>≏</b> 56	17°22	28 <b>m</b> 17	3 <b>Ω</b> 32	28 <b>궁</b> 13	28° 1	15°50	10°53	F 2
S 3	13 18 0	21°21'28	5 <b>8</b> 13	7°11	24°22	5°27	29°22	1°51	17°23	28°16	3°32	28° 1	27°58	15°57	10°57	S 3
S 4	13 21 56	22°20'02	19°59	7°R16	23°44	6° 6	29°28	1°47	17°24	28°14	3°31	27°51	27°55	16° 4	11° 1	S 4
M 5	13 25 53	23°18'33	4∏44	7°14	23° 7	6°44	29°35	1°43	17°25	28°13	3°31	27°43	27°52	16°10	11° 5	M 5
T 6	13 29 49	24°17'02	19°21	7° 8	22°29	7°23	29°41	1°39	17°26	28°11	3°31	27°37	27°49	16°17	11°10	T 6
W 7	13 33 46	25°15'29	39546	6°55	21°51	8° 2	29°47	1°35	17°27	28°10	3°D31	27°34	27°46	16°24	11°14	W 7
T 8	13 37 42	26°13'54	17°56	6°38	21°14	8°41	29°54	1°31	17°28	28° 9	3°31	27°33	27°42	16°30	11°18	T 8
F 9	13 41 39	27°12'17	1 <b>Ω</b> 49	6°16	20°38	9°20	29°59	1°27	17°29	28° 7	3°31	27°33	27°39	16°37	11°22	F 9
S 10	13 45 35	28°10'37	15°26	5°50	20° 3	9°59	0≈ 5	1°23	17°30	28° 6	3°31	27°32	27°36	16°44	11°27	S 10
S 11	13 49 32	29° 8'55	28°49	5°20	19°29	10°38	0°11	1°19	17°32	28° 4	3°31	27°30	27°33	16°50	11°31	S 11
M12	13 53 29	0 <b>8</b> 7'12	11 <b>m</b> 59	4°47	18°56	11°17	0°16	1°15	17°33	28° 3	3°32	27°26	27°30	16°57	11°35	M12
T 13	13 57 25	1° 5'26	24°56	4°12	18°25	11°56	0°22	1°12	17°34	28° 2	3°32	27°18	27°27	17° 4	11°40	T 13
W14	14 1 22	2° 3'38	7 <b>≏</b> 43	3°34	17°56	12°34	0°27	1°8	17°36	28° 0	3°32	27° 8	27°23	17°10	11°44	W14
T 15	14 5 18	3° 1'48	20°19	2°56	17°29	13°13	0°32	1° 4	17°37	27°59	3°32	26°55	27°20	17°17	11°49	T 15
F 16	14 9 15	3°59'56	2 <b>M</b> .44	2°17	17° 4	13°52	0°36	1° 1	17°39	27°58	3°32	26°42	27°17	17°24	11°54	F 16
S 17	14 13 11	4°58'03	14°59	1°39	16°41	14°31	0°41	0°57	17°40	27°57	3°33	26°29	27°14	17°30	11°58	S 17
S 18	14 17 8	5°56'08	27° 4	1° 2	16°20	15° 9	0°46	0°54	17°42	27°55	3°33	26°17	27°11	17°37	12° 3	S 18
M19	14 21 4	6°54'12	9 <b>×</b> 7 1	0°26	16° 1	15°48	0°50	0°51	17°44	27°54	3°33	26° 7	27° 7	17°44	12° 8	M19
T 20	14 25 1	7°52'14	20°53	29 <b>Y</b> 52	15°45	16°27	0°54	0°47	17°45	27°53	3°33	25°59	27° 4	17°50	12°12	T 20
W21	14 28 58	8°50'14	2 <b>ප්</b> 41	29°21	15°32	17° 5	0°58	0°44	17°47	27°52	3°34	25°55	27° 1	17°57	12°17	W21
T 22	14 32 54	9°48'13	14°30	28°53	15°20	17°44	1° 2	0°41	17°49	27°51	3°34	25°53	26°58	18° 4	12°22	T 22
F 23	14 36 51	10°46'11	26°25	28°29	15°12	18°23	1° 5	0°38	17°51	27°50	3°35	25°D52	26°55	18°11	12°27	F 23
S 24	14 40 47	11°44'08	8≈31	28° 9	15° 5	19° 1	1° 9	0°35	17°53	27°48	3°35	25°R52	26°52	18°17	12°32	S 24
S 25	14 44 44	12°42'03	20°52	27°53	15° 1	19°40	1°12	0°32	17°55	27°47	3°36	25°52	26°48	18°24	12°37	S 25
M26	14 48 40	13°39'56	3 <b>∺</b> 35	27°41	15°D 0	20°19	1°15	0°29	17°57	27°46	3°36	25°51	26°45	18°31	12°41	M26
T 27	14 52 37	14°37'49	16°43	27°33	15° 1	20°57	1°18	0°27	17°59	27°45	3°37	25°47	26°42	18°37	12°46	T 27
W28	14 56 33	15°35'40	o <b>Υ</b> 20	27°D31	15° 4	21°36	1°20	0°24	18° 1	27°44	3°37	25°41	26°39	18°44	12°51	W28
T 29	15 0 30	16°33'30	14°25	27°33	15° 9	22°14	1°23	0°22	18° 3	27°43	3°38	25°32	26°36	18°51	12°57	T 29
F 30	15 4 27	17 <b>8</b> 31'18	28 <b>Y</b> 57	27 <b>Y</b> 39	15 <b>Υ</b> 17	22 <b>II</b> 53	1≈25	0 <b>₽</b> 19	1899 5	27 Mp 42	3 <b>Ω</b> 38	25 <b>궁</b> 23	26 <b>궁</b> 33	18 <b>🗷</b> 57	13 <b>II</b> 2	F 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n37	6n44	4n39	16n41	3n 3	16n23	6n58	22n 0	0n59	20 s41	0 s18	1n40	2n42	22n52	0n29	2n 3	1n30	25n55	6n41	20 s33	20 s37	26s12	17n13	4 s 5 8
F 2	7 59	-		16 45				22 8		20 40	0 18	1 42		22 52				25 55			20 37			4 58
S 3	8 21	17 59	4 58	16 46	2 59	15 42	6 43	22 15	0 59	20 39	0 18	1 44	2 42	22 52	0 29	2 4	1 30	25 55	6 41	20 37	20 38	26 12	17 14	4 58
S 4	8 43	22 15	4 39	16 44	2 56	15 20	6 34	22 22	1 0	20 37	0 18	1 45	2 41	22 52	0 29	2 5	1 30	25 55	6 41	20 39	20 38	26 12	17 15	4 58
M 5	9 5	25 5	4 1	16 39	2 50	14 58		22 29	1 0	20 36	0 19	1 47	2 41	22 51	0 29	2 5	1 30	25 55	6 41	20 41	20 39	26 12	17 16	4 57
T 6	9 27	26 11	3 7	16 31	2 44	14 34	6 15	22 36	1 0	20 35	0 19	1 48	2 41	22 51	0 29	2 6	1 30	25 55	6 41	20 42	20 40	26 12	17 17	4 57
W 7	9 48	25 30	2 2	16 19	2 36	14 10	6 5	22 43	1 1	20 34	0 19	1 50	2 41	22 51	0 29	2 7	1 30	25 54	6 40	20 43	20 40	26 12	17 17	4 57
T 8	10 9			16 5	2 27	13 46		22 49		20 33	0 19	1 52		22 51	0 29						20 41			4 57
F 9	10 31	19 27	0 s23	15 47	2 16	13 21		22 55		20 32	0 19	1 53		22 51	0 29	2 8	1 30	25 54			20 42			4 57
S 10	10 51	14 47	1 33	15 27	2 4	12 56	5 29	23 2	1 1	20 31	0 19	1 54	2 41	22 51	0 29	2 8	1 30	25 54	6 40	20 43	20 42	26 12	17 20	4 57
S 11	11 12	9 28	2 37	15 5	1 51	12 31	5 16	23 8	1 2	20 30	0 20	1 56	2 41	22 50	0 29	2 9	1 30	25 54	6 40	20 43	20 43	26 12	17 20	4 56
M12	11 33	3 50	3 32	14 41	1 37	12 6	5 3	23 13	1 2	20 29	0 20	1 57	2 41	22 50	0 29	2 9	1 30	25 54	6 40	20 44	20 43	26 12	17 21	4 56
T 13	11 53	1 s52	4 14	14 15	1 22	11 42	4 50	23 19	1 2	20 28	0 20	1 59	2 41	22 50	0 29	2 10	1 30	25 54	6 40	20 46	20 44	26 12	17 22	4 56
W14	12 14	7 24	4 43	13 47	1 7	11 18	4 36	23 24	1 2	20 27	0 20	2 0	2 40	22 50	0 29	2 10	1 30	25 54	6 40	20 48	20 45	26 12	17 22	4 56
T 15	12 34	12 33	4 58	13 19	0 50	10 55	4 22	23 29	1 3	20 26	0 20	2 1	2 40	22 50	0 29	2 11	1 30	25 53	6 40	20 50	20 45	26 12	17 23	4 56
F 16	12 53	17 7	4 58	12 50	0 33	10 32	4 8	23 34	1 3	20 25	0 21	2 3	2 40	22 49	0 29	2 11	1 30	25 53	6 39	20 53	20 46	26 12	17 24	4 56
S 17	13 13	20 55	4 45	12 20	0 16	10 10	3 53	23 39	1 3	20 24	0 21	2 4	2 40	22 49	0 29	2 12	1 30	25 53	6 39	20 55	20 47	26 12	17 25	4 55
S 18	13 32	23 45	4 19	11 51	0 s 1	9 49	3 39	23 44	1 3	20 23	0 21	2 5	2 40	22 49	0 29	2 12	1 30	25 53	6 39	20 58	20 47	26 12	17 25	4 55
M19	13 52	25 30	3 41	11 22	0 18	9 28		23 48	1 4	20 23	0 21	2 6	2 40	22 49	0 29	2 13			6 39		20 48			4 55
T 20	14 11			10 55		-		23 53		20 22	0 21	2 7		22 48				25 52	6 39		20 48			4 55
W21		25 29		10 28				23 57		20 21	0 21	2 9		22 48				25 52	6 39		20 49			4 55
T 22		23 43		10 3						20 21	0 22	2 10		22 48				25 52	6 39		20 50			4 55
F 23		20 53								20 20	0 22	2 11		22 48				25 52	6 39		20 50			4 55
S 24	15 24	17 7	1 7	9 19	1 39	8 2	2 15	24 8	1 5	20 19	0 22	2 12	2 39	22 47	0 29	2 15	1 30	25 52	6 39	21 2	20 51	26 12	17 30	4 55
S 25	15 42	12 33	2 9	9 0	1 53	7 48	2 2	24 11	1 5	20 19	0 22	2 13	2 39	22 47	0 29	2 15	1 30	25 51	6 38	21 2	20 52	26 12	17 30	4 55
M26	15 59	7 20	3 6	8 43	2 6	7 35	1 48	24 14	1 5	20 18	0 22	2 14	2 39	22 47	0 29	2 16	1 30	25 51	6 38	21 2	20 52	26 11	17 31	4 54
T 27	16 17			8 29				24 17		20 18	0 23	2 15		22 46		2 16		25 51	6 38		20 53			4 54
W28	16 34	4n19	4 34	8 18	2 30	7 13		24 20	1 6	20 17	0 23	2 15	2 38	22 46	0 29	2 16	1 30	25 51	6 38		20 53			4 54
T 29		10 16		8 8				24 23		20 17	0 23	2 16		22 46					6 38		20 54			4 54
F 30	17n 7	15n50	5n 2	8n 2	2 s49	6n56	0n58	24n25	1n 6	20s17	0 s23	2n17	2n38	22n46	0n29	2n17	1n30	25n50	6n38	21 s 8	20 s55	26s11	17n34	4 s 5 4

Julian Day Number = 2251125.5, Delta T = 06m27s

Ecliptic obliquity = 23°30'43, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 17°05'04, Lahiri = 16°12'05 Julian Calendar 1 Apr. 1451 == Greg. Calendar 10 Apr. 1451

MAY 1451 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)Å(	并	В	n	v	Ç	& &	Day
S 1	15 8 23	18829'06	13849	27 <b>Y</b> 50	15 <b>℃</b> 27	23 <b>II</b> 31	1≈27	0°R17	1895 7	27°R41	3 <b>Ω</b> 39	25°R12	26 <b>궁</b> 29	19 <b>×7</b> 4	13 <b>II</b> 7	S 1
S 2	15 12 20	19°26'52	28°52	28° 6	15°39	24°10	1°29	0 <b>ჲ</b> 15	18°10	27 Mp 41	3°39	25 <b>궁</b> 3	26°26	19°11	13°12	S 2
M 3	15 16 16	20°24'37	13 <b>II</b> 58	28°26	15°53	24°48	1°31	0°12	18°12	27°40	3°40	24°56	26°23	19°17	13°17	M 3
T 4	15 20 13	21°22'20	28°56	28°50	16° 9	25°27	1°33	0°10	18°14	27°39	3°41	24°51	26°20	19°24	13°22	T 4
W 5	15 24 9	22°20'01	13939	29°19	16°27	26° 5	1°34	0° 8	18°17	27°38	3°42	24°49	26°17	19°31	13°27	W 5
T 6	15 28 6	23°17'41	28° 2	29°51	16°46	26°44	1°35	0° 6	18°19	27°37	3°42	24°D48	26°13	19°37	13°33	T 6
F 7	15 32 2	24°15'20	12 <b>0</b> 3	0 <b>8</b> 28	17° 8	27°22	1°36	0° 5	18°22	27°37	3°43	24°49	26°10	19°44	13°38	F 7
S 8	15 35 59	25°12'57	25°41	1° 8	17°31	28° 1	1°37	0° 3	18°24	27°36	3°44	24°R49	26° 7	19°51	13°43	S 8
S 9	15 39 56	26°10'32	9 <b>m</b> ) 0	1°53	17°56	28°39	1°38	0° 1	18°27	27°35	3°45	24°49	26° 4	19°57	13°48	S 9
M10	15 43 52	27° 8'06	22° 0	2°41	18°22	29°18	1°38	29 <b>m</b> 59	18°29	27°34	3°46	24°46	26° 1	20° 4	13°54	M10
T 11	15 47 49	28° 5'38	4 <b>≏</b> 45	3°32	18°50	29°56	1°38	29°58	18°32	27°34	3°46	24°41	25°58	20°11	13°59	T 11
W12	15 51 45	29° 3'09	17°16	4°27	19°20	0ഇ34	1°R38	29°57	18°34	27°33	3°47	24°34	25°54	20°17	14° 4	W12
T 13	15 55 42	0 <b>Ⅱ</b> 0'39	29°37	5°25	19°51	1°13	1°38	29°56	18°37	27°33	3°48	24°25	25°51	20°24	14°10	T 13
F 14	15 59 38	0°58'07	11 <b>M</b> .48	6°27	20°23	1°51	1°38	29°55	18°40	27°32	3°49	24°15	25°48	20°31	14°15	F 14
S 15	16 3 35	1°55'35	23°52	7°32	20°57	2°29	1°37	29°54	18°43	27°32	3°50	24° 5	25°45	20°37	14°21	S 15
S 16	16 731	2°53'01	5 <b>√</b> 49	8°40	21°32	3° 8	1°37	29°53	18°45	27°31	3°51	23°56	25°42	20°44	14°26	S 16
M17	16 11 28	3°50'26	17°41	9°51	22° 8	3°46	1°36	29°52	18°48	27°31	3°52	23°49	25°39	20°51	14°31	M17
T 18	16 15 25	4°47'51	29°30	11° 5	22°46	4°24	1°35	29°51	18°51	27°30	3°53	23°44	25°35	20°57	14°37	T 18
W19	16 19 21	5°45'14	11る18	12°22	23°24	5° 3	1°33	29°51	18°54	27°30	3°54	23°41	25°32	21° 4	14°42	W19
T 20	16 23 18	6°42'37	23° 9	13°41	24° 4	5°41	1°32	29°50	18°57	27°29	3°55	23°D40	25°29	21°11	14°48	T 20
F 21	16 27 14	7°39'59	5≈ 5	15° 4	24°45	6°19	1°30	29°50	19° 0	27°29	3°56	23°41	25°26	21°17	14°53	F 21
S 22	16 31 11	8°37'21	17°12	16°30	25°26	6°57	1°28	29°49	19° 3	27°29	3°57	23°42	25°23	21°24	14°59	S 22
S 23	16 35 7	9°34'42	29°33	17°58	26° 9	7°36	1°26	29°49	19° 6	27°28	3°59	23°43	25°19	21°31	15° 4	S 23
M24	16 39 4	10°32'02	12 <b>)</b> 14	19°29	26°53	8°14	1°24	29°49	19° 9	27°28	4° 0	23°R44	25°16	21°37	15°10	M24
T 25	16 43 0	11°29'22	25°19	21° 3	27°37	8°52	1°22	29°D49	19°12	27°28	4° 1	23°43	25°13	21°44	15°15	T 25
W26	16 46 57	12°26'41	8 <b>Y</b> 51	22°40	28°23	9°30	1°19	29°49	19°15	27°28	4° 2	23°40	25°10	21°51	15°21	W26
T 27	16 50 54	13°24'00	22°51	24°20	29° 9	10° 9	1°16	29°49	19°18	27°28	4° 3	23°36	25° 7	21°57	15°26	T 27
F 28	16 54 50	14°21'18	7 <b>8</b> 19	26° 2	29°56	10°47	1°13	29°50	19°21	27°28	4° 5	23°31	25° 4	22° 4	15°32	F 28
S 29	16 58 47	15°18'37	22°10	27°47	0844	11°25	1°10	29°50	19°24	27°28	4° 6	23°25	25° 0	22°11	15°37	S 29
S 30	17 2 43	1 <u>6</u> °15'54	7 <b>∐</b> 17	29°34	1°33	12° 3	1° 7	29°50	19°27	27°27	4° 7	2 <u>3°</u> 20	2 <u>4</u> °57	22°17	15°43	S 30
M31	17 6 40	17 <b>Ⅱ</b> 13'12	22 <b>II</b> 31	1∏24	2822	129541	1≈ 4	29 <b>m</b> 51	19931	27°D27	4 <b>N</b> 8	23 <b>궁</b> 16	24 <b>궁</b> 54	22 <b>×</b> 24	15 <b>Ⅱ</b> 48	M31

Day	0	J	)	ζ	5	φ	1	o	7	2	ł	ħ	l	);	ł(	<del>,</del>	(	Е	)	n	Ω	Ç	Ł	5
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n23	20n36	4n47	7n58	2 s 5 8	6n49	0n47	24n27	1n 6	20s17	0 s23	2n18	2n38	22n45	0n29	2n17	1n30	25n50	6n38	21 s 9	20 s55	26s11	17n35	4 s54
S 2	17 39	24 4	4 12	7 57	3 5	6 43		24 29		20 16	0 24	2 19		22 45	0 29	2 18	1 30	25 50					17 35	
M 3		25 51	3 20	7 58	3 12	6 38	-	24 31		20 16	0 24	2 19	2 37			2 18	1 30						17 36	
T 4 W 5	18 10	25 44 23 47	2 13 0 59	8 1 8 7	3 17 3 22	6 35 6 32		<ul><li>24 33</li><li>24 34</li></ul>	1 7		0 24 0 24	2 20 2 21		22 44 22 44		2 18 2 19	1 30 1 30						17 37 17 37	
T 6		20 20	0 39 0s17	. ,	3 25	6 30		24 34 24 35		20 16	0 24	2 21		22 44		2 19	1 29						17 38	
F 7		15 47	1 31	8 25	3 28	6 30		24 36		20 16	0 25	2 22		22 43		2 19	1 29						17 39	
S 8	19 8	10 32	2 37	8 37	3 30	6 30	0 26	24 37	1 7	20 16	0 25	2 22	2 36	22 43	0 29	2 20	1 29	25 48	6 37	21 14	20 59	26 10	17 39	4 54
S 9	19 21	4 55	3 34	8 52	3 31	6 31	0 35	24 38	1 7	20 16	0 25	2 23	2 36	22 43	0 29	2 20	1 29	25 48	6 37	21 14	21 0	26 10	17 40	4 54
M10	19 35	0s45	4 17	9 8	3 31	6 33		24 38	1 8	20 16	0 25	2 23	2 36			2 20	1 29	25 48		21 14			17 41	4 54
T 11	19 48		4 47		3 31	6 36		24 38		20 16	0 25	2 23		22 42		2 20	1 29			21 15			17 41	4 54
W12	20 0	_	5 3			6 39				20 16	0 26	2 24		22 41		2 20	1 29			21 17			17 42	
T 13 F 14	20 13 20 25	16 6 20 2	-	10 7 10 30	3 27 3 24	6 44 6 49		<ul><li>24 38</li><li>24 38</li></ul>		20 16 20 17	0 26 0 26	2 24 2 24		22 41 22 41	0 29 0 29	2 21 2 21	1 29 1 29			21 18 21 20			17 42 17 43	_
S 15	20 23					6 55		24 38		20 17	0 26	2 24		22 40		2 21				21 22			17 44	
S 16	20 48	25 5	3 48	11 20	3 17	7 2	1 30	24 37	1 8	20 17	0 26	2 25	2 35	22 40	0 29	2 21	1 29	25 46	6 36	21 23	21 4	26 8	17 44	4 54
M17	20 59	25 57	3 1	11 47	3 12	7 9	1 37	24 36	1 9	20 18	0 27	2 25	2 34	22 40	0 29	2 21	1 29	25 45		21 24		26 8	17 45	4 54
1	21 10			12 15		7 17				20 18	0 27	2 25		22 39		2 21	1 29			21 25			17 45	
	21 20	-		12 44		7 26		-		20 19	0 27	2 25		22 39		2 22	1 29			21 26			17 46	
T 20		21 34		13 14		7 35		24 32		20 19	0 27	2 25		22 38		2 22				21 26			17 47	
F 21 S 22	21 39	18 4 13 45		13 45 14 17	2 46 2 39	7 45 7 55		<ul><li>24 30</li><li>24 29</li></ul>		20 20 20 20	0 27 0 28	2 25 2 25		22 38 22 37		2 22 2 22		25 44 25 44		21 26 21 26			17 47 17 48	_
S 23 M24	21 57 22 6			14 50 15 23	2 30 2 22	8 6 8 17		24 27 24 24		20 21 20 22	0 28 0 28	2 25 2 24		22 37 22 37		2 22 2 22	1 29 1 29			21 25 21 25		26 6 26 6	17 48 17 49	
T 25	22 14	_		15 57	2 13	8 29		24 24		20 22	0 28	2 24		22 36		2 22	1 29			21 25			17 49	
W26	22 21	8 7		16 31	2 3	8 41		24 19		20 23	0 29	2 24		22 36		2 22	1 29			21 26			17 50	_
T 27	22 29	13 43	5 10		1 53	8 54		24 17		20 24	0 29	2 24		22 35		2 22				21 27			17 50	
F 28		18 44		17 39	1 43	9 7		24 14		20 25	0 29	2 23		22 35		2 22				21 27			17 51	4 54
S 29	22 42	22 45	4 33	18 13	1 32	9 20	2 36	24 11	1 10	20 26	0 29	2 23	2 32	22 34	0 28	2 22	1 29	25 41	6 35	21 28	21 12	26 4	17 51	4 54
	22 48	25 17	3 44	18 48	1 22	9 34	2 39			20 27	0 29	2 23	2 31	22 34	0 28	2 22		25 41					17 52	
M31	22n54	25n57	2n40	19n21	1 s 1 1	9n48	2 s42	24n 4	1n10	20 s28	0 s30	2n22	2n31	22n33	0n28	2n22	1n28	25n40	6n35	21 s30	21 s13	26s 3	17n52	4 s54

Julian Day Number = 2251155.5, Delta T = 06m27s

Ecliptic obliquity =  $23^{\circ}30'42$ , Nutation =  $0^{\circ}00'14$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°05′09, Lahiri = 16°12′09 Julian Calendar 1 May 1451 == Greg. Calendar 10 May 1451

**JUNE 1451 JC** 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ	)ф(	卉	Р	u	Ω	Ç	, k	Day
T 1	17 10 36	18 <b>II</b> 10'28	79941	3 <b>Ⅱ</b> 17	3 <b>8</b> 12	139519	1°R 0	29 <b>m</b> 52	19934	27 <b>m</b> 27	4 <b>Ω</b> 10	23°R13	24 <b>궁</b> 51	22 <b>×</b> 31	15 <b>Ⅱ</b> 54	T 1
W 2	17 14 33	19° 7'44	22°38	5°12	4° 3	13°58	0≈56	29°52	19°37	27°28	4°11	23°D13	24°48	22°37	15°59	W 2
T 3	17 18 29	20° 5'00	$7\Omega$ 15	7°10	4°54	14°36	0°52	29°53	19°40	27°28	4°12	23 <b>궁</b> 13	24°45	22°44	16° 5	T 3
F 4	17 22 26	21° 2'14	21°28	9°10	5°46	15°14	0°48	29°54	19°44	27°28	4°14	23°15	24°41	22°51	16°10	F 4
S 5	17 26 23	21°59'28	5 <b>m</b> 15	11°12	6°39	15°52	0°44	29°55	19°47	27°28	4°15	23°16	24°38	22°57	16°16	S 5
S 6	17 30 19	22°56'41	18°37	13°16	7°32	16°30	0°39	29°57	19°50	27°28	4°16	23°R17	24°35	23° 4	16°21	S 6
M 7	17 34 16	23°53'54	1 <b>≏</b> 37	15°21	8°25	17° 8	0°34	29°58	19°54	27°28	4°18	23°17	24°32	23°11	16°27	M 7
T 8	17 38 12	24°51'05	14°17	17°29	9°19	17°46	0°30	29°59	19°57	27°28	4°19	23°15	24°29	23°17	16°32	T 8
W 9	17 42 9	25°48'17	26°42	19°37	10°14	18°25	0°25	0 <b>호</b> 1	20° 1	27°29	4°21	23°13	24°25	23°24	16°38	W 9
T 10	17 46 5	26°45'28	8 <b>M</b> .53	21°47	11° 9	19° 3	0°19	0° 2	20° 4	27°29	4°22	23° 9	24°22	23°31	16°43	T 10
F 11	17 50 2	27°42'38	20°56	23°57	12° 5	19°41	0°14	0° 4	20° 8	27°29	4°24	23° 5	24°19	23°37	16°49	F 11
S 12	17 53 58	28°39'48	2 <b>₹</b> 51	26° 8	13° 1	20°19	0° 9	0° 6	20°11	27°30	4°25	23° 1	24°16	23°44	16°54	S 12
S 13	17 57 55	29°36'58	14°42	28°18	13°57	20°57	0° 3	0° 8	20°14	27°30	4°27	22°57	24°13	23°51	17° 0	S 13
M14	18 1 52	0934'08	26°31	09529	14°54	21°35	29 <b>궁</b> 57	0°10	20°18	27°31	4°28	22°54	24°10	23°57	17° 5	M14
T 15	18 5 48	1°31'17	8 <b>ප</b> 21	2°40	15°52	22°13	29°52	0°12	20°22	27°31	4°30	22°52	24° 6	24° 4	17°11	T 15
W16	18 9 45	2°28'27	20°12	4°50	16°50	22°51	29°46	0°14	20°25	27°32	4°31	22°D52	24° 3	24°11	17°16	W16
T 17	18 13 41	3°25'37	2≈ 8	6°59	17°48	23°29	29°40	0°16	20°29	27°32	4°33	22°52	24° 0	24°17	17°21	T 17
F 18	18 17 38	4°22'46	14°11	9° 7	18°46	24° 7	29°33	0°18	20°32	27°33	4°34	22°53	23°57	24°24	17°27	F 18
S 19	18 21 34	5°19'56	26°25	11°13	19°45	24°45	29°27	0°21	20°36	27°33	4°36	22°54	23°54	24°31	17°32	S 19
S 20	18 25 31	6°17'06	8 <b>∺</b> 52	13°19	20°45	25°23	29°21	0°23	20°39	27°34	4°38	22°56	23°51	24°37	17°37	S 20
M21	18 29 28	7°14'17	21°35	15°23	21°45	26° 1	29°14	0°26	20°43	27°35	4°39	22°57	23°47	24°44	17°43	M21
T 22	18 33 24	8°11'27	<b>4</b> Υ39	17°25	22°45	26°39	29° 7	0°29	20°46	27°35	4°41	22°R57	23°44	24°51	17°48	T 22
W23	18 37 21	9° 8'39	18° 6	19°26	23°45	27°17	29° 0	0°31	20°50	27°36	4°42	22°57	23°41	24°57	17°53	W23
T 24	18 41 17	10° 5'50	1 <b>8</b> 58	21°25	24°46	27°55	28°54	0°34	20°54	27°37	4°44	22°56	23°38	25° 4	17°59	T 24
F 25	18 45 14	11° 3'03	16°14	23°22	25°47	28°33	28°47	0°37	20°57	27°38	4°46	22°55	23°35	25°11	18° 4	F 25
S 26	18 49 10	12° 0'16	0耳53	25°17	26°48	29°11	28°40	0°40	21° 1	27°38	4°47	22°54	23°31	25°17	18° 9	S 26
S 27	18 53 7	12°57'29	15°48	27°11	27°50	29°50	28°32	0°44	21° 5	27°39	4°49	22°53	23°28	25°24	18°14	S 27
M28	18 57 3	13°54'43	0954	29° 2	28°51	0 <b>Ω</b> 28	28°25	0°47	21° 8	27°40	4°51	22°52	23°25	25°31	18°20	M28
T 29	19 1 0	14°51'58	16° 2	$0\Omega$ 52	29°54	1° 6	2 <u>8</u> °18	0°50	21°12	27°41	4°53	22°D51	2 <u>3</u> °22	25°37	18°25	T 29
W30	19 4 57	159549'12	1 <b>0</b> 1	$2\Omega 40$	0耳56	1 <b>Ω</b> 44	28 <b>궁</b> 10	0 <b>ჲ</b> 54	219516	27 <b>m</b> 42	$4\Omega$ 54	22 <b>궁</b> 51	23 <b>궁</b> 19	25 <b>×</b> 744	18 <b>Ⅲ</b> 30	W30

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T 1 W 2	-	21 39	0 3	19n54 20 27	0 48		2 48	24n 0 23 56	1 10	20 s29 20 30	0 s30 0 30	2n22 2 21	2 31	22n33 22 32	0 28	2n22 2 22	1 28		6 35	21 31	21 14	26 3	17n53 17 53	4 s 5 5
T 3 F 4 S 5	23 8 23 12	12 3	2 28	-	0 37 0 25	10 46	2 53	23 52 23 48	1 10	20 31 20 32	0 30 0 30	2 21 2 20 2 10	2 30	22 32 22 31	0 28	2 22 2 22 2 22	1 28	25 39	6 35	21 30	21 15 21 15	26 2	17 54 17 54	4 55 4 55
S 5 S 6	23 16 23 19			21 57 22 25	0 14 0 3	11 1 11 16		<ul><li>23 44</li><li>23 39</li></ul>		20 33 20 34	0 31 0 31	<ul><li>2 19</li><li>2 19</li></ul>		22 31 22 30	0 28 0 28	<ul><li>2 22</li><li>2 22</li></ul>		<ul><li>25 38</li><li>25 38</li></ul>			21 16 21 16		17 55 17 55	4 55 4 55
M 7 T 8	23 22 23 25	10 24	5 10	22 50 23 14	0n 8 0 19	11 48	3 0	-	1 10	20 36 20 37	0 31 0 31	2 18 2 17	2 29		0 28	2 21 2 21	1 28 1 28	25 38 25 37	6 35	21 30	21 17 21 17	26 0	17 55 17 56	4 55 4 55
T 10	23 28	19 16	5 2	23 35 23 54 24 11	0 29 0 39 0 49	12 19		23 24 23 19 23 13	1 10	20 38 20 39 20 41	0 31 0 32 0 32	2 16 2 15 2 15	2 29	22 29 22 28 22 28		2 21 2 21 2 21	1 28 1 28 1 28		6 35	21 31	21 18 21 18 21 19	26 0	17 56 17 57 17 57	4 56 4 56 4 56
S 12	23 30	24 44 25 51	4 1	24 25 24 36	0 58	12 51	3 5	23 8	1 10	20 42	0 32	2 14	2 28	22 27	0 28	2 21	1 28	25 36	6 35	21 33	21 20	25 59		4 56
M14	23 31	25 48 24 34	2 20	24 44 24 50	1 6 1 14 1 21	13 23	3 6 3 6 3 7	22 56	1 10	20 45 20 46	0 32 0 32 0 33	2 13 2 12 2 11	2 28	22 27 22 26 22 26		2 20 2 20 2 20	1 28 1 28 1 28	25 35	6 35	21 34	21 21	25 58 25 57	17 58	4 56 4 56 4 57
T 17	23 29 23 28	22 14 18 55		24 52 24 52	1 27 1 33	14 11		22 37	1 11	20 48 20 49	0 33 0 33	2 10 2 8	2 27	22 25 22 25		2 20 2 19	1 28 1 28		6 35 6 35	21 34 21 34	21 22 21 22	25 57 25 56	17 59 17 59	4 57 4 57
1	23 26 23 24	14 47 10 0		24 49 24 44	1 38 1 42			22 31 22 24		20 51 20 52	0 33 0 33	2 7 2 6		22 24 22 24	0 28 0 28	2 19 2 19		25 33 25 33				25 56 25 55	17 59 17 59	4 57 4 57
M21	23 22 23 19	0n48	4 31	24 35 24 25	1 45 1 48	15 15	3 7 3 6	22 10	1 11	20 54 20 55	0 34	2 5 2 4	2 26	22 23 22 23	0 28		1 28	25 32	6 35	21 33	21 25	25 55 25 54	18 0	4 58
W23	-	11 59	5 16	24 11 23 56	1 50 1 51	15 46		21 55	1 11	20 57 20 59	0 34 0 34	2 2 2 2 2	2 26	22 22 22 21	0 28	2 18 2 18		25 31	6 35	21 33	21 26	25 54 25 53	18 1	4 58 4 58
F 25		17 5 21 23 24 28	4 51	23 38 23 19 22 58	1 52 1 52 1 51	16 17	3 4 3 4 3 3	,	1 11	21 2	0 34 0 34 0 35	2 0 1 58 1 57	2 25	22 21 22 20 22 20		2 17 2 17 2 17	1 27	25 31 25 30 25 30	6 35	21 33	21 27	25 53 25 52 25 52	18 1	4 58 4 59 4 59
S 27 M28	22 53	25 55 25 29	3 11	22 35 22 10	1 49	16 47	3 1	21 24 21 16	1 11	21 5		1 55 1 54	2 25	22 19 22 19	0 28		1 27	25 29 25 29	6 35	21 34	21 28	25 51 25 51	18 1	4 59
T 29	22 41	23 10	0 38	21 44 21n16	1 45		2 59		1 10		0 35	1 54 1 52 1n51	2 24	22 19 22 18 22n18	0 28	2 16	1 27	25 29 25 29 25n28	6 35	21 34	21 29	25 50 25 s50	18 2	5 0 5 0

Julian Day Number = 2251186.5, Delta T = 06m27s

Ecliptic obliquity = 23°30'41, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 17°05'13, Lahiri = 16°12'13 Julian Calendar 1 June 1451 == Greg. Calendar 10 June 1451

JULY 1451 JC 00:00 UT

UUL	I TANT	UC													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)મ(	卉	Р	n	v	Ç	Ŗ	Day
T 1	19 8 53	169546'27	15 <b>Ω</b> 44	4 <b>Ω</b> 26	1耳59	2 <b>N</b> 22	28°R 3	0 <b>ჲ</b> 57	219519	27 m/43	4 <b>Ω</b> 56	22 <b>궁</b> 52	23 <b>궁</b> 16	25 <b>×</b> 751	18耳35	T 1
F 2	19 12 50	17°43'43	0Mp 6	6°10	3° 2	3° 0	27 <b>궁</b> 55	1° 1	21°23	27°44	4°58	22°52	23°12	25°57	18°40	F 2
S 3	19 16 46	18°40'58	14° 2	7°52	4° 5	3°38	27°48	1° 4	21°27	27°45	4°59	22°53	23° 9	26° 4	18°45	S 3
S 4	19 20 43	19°38'14	27°31	9°33	5° 8	4°16	27°40	1° 8	21°30	27°46	5° 1	22°53	23° 6	26°11	18°50	S 4
M 5	19 24 39	20°35'30	10 <b>≏</b> 35	11°11	6°12	4°54	27°33	1°12	21°34	27°47	5° 3	22°53	23° 3	26°17	18°55	M 5
T 6	19 28 36	21°32'46	23°17	12°48	7°16	5°32	27°25	1°16	21°38	27°48	5° 5	22°R53	23° 0	26°24	19° 0	T 6
W 7	19 32 32	22°30'03	5 <b>M</b> .40	14°23	8°20	6°10	27°17	1°20	21°41	27°49	5° 6	22°D53	22°57	26°31	19° 5	W 7
T 8	19 36 29	23°27'20	17°49	15°56	9°24	6°48	27°10	1°24	21°45	27°50	5° 8	22°53	22°53	26°37	19°10	T 8
F 9	19 40 26	24°24'38	29°47	17°27	10°28	7°26	27° 2	1°28	21°49	27°52	5°10	22°53	22°50	26°44	19°15	F 9
S 10	19 44 22	25°21'56	11 <b>~</b> 38	18°56	11°33	8° 4	26°54	1°32	21°52	27°53	5°12	22°54	22°47	26°51	19°20	S 10
S 11	19 48 19	26°19'14	23°27	20°23	12°38	8°42	26°46	1°37	21°56	27°54	5°13	22°54	22°44	26°57	19°24	S 11
M12	19 52 15	27°16'34	5 <b>ਰ</b> 16	21°49	13°43	9°20	26°38	1°41	22° 0	27°55	5°15	22°54	22°41	27° 4	19°29	M12
T 13	19 56 12	28°13'54	17° 9	23°12	14°48	9°58	26°31	1°45	22° 3	27°57	5°17	22°R54	22°37	27°11	19°34	T 13
W14	20 0 8	29°11'15	29° 7	24°34	15°54	10°36	26°23	1°50	22° 7	27°58	5°19	22°54	22°34	27°17	19°39	W14
T 15	20 4 5	0 <b>Ω</b> 8'36	11≈13	25°53	17° 0	11°14	26°15	1°55	22°11	27°59	5°21	22°54	22°31	27°24	19°43	T 15
F 16	20 8 1	1° 5'59	23°29	27°11	18° 5	11°52	26° 7	1°59	22°14	28° 1	5°22	22°53	22°28	27°31	19°48	F 16
S 17	20 11 58	2° 3'22	5 <b>¥</b> 56	28°26	19°12	12°30	26° 0	2° 4	22°18	28° 2	5°24	22°52	22°25	27°37	19°52	S 17
S 18	20 15 55	3° 0'47	18°36	29°39	20°18	13° 8	25°52	2° 9	22°21	28° 4	5°26	22°51	22°22	27°44	19°57	S 18
M19	20 19 51	3°58'12	1 <b>Y</b> 31	0 <b>m</b> 50	21°24	13°46	25°44	2°14	22°25	28° 5	5°28	22°50	22°18	27°51	20° 1	M19
T 20	20 23 48	4°55'39	14°41	1°58	22°31	14°24	25°37	2°19	22°29	28° 6	5°29	22°49	22°15	27°57	20° 6	T 20
W21	20 27 44	5°53'07	28° 9	3° 4	23°37	15° 2	25°29	2°24	22°32	28° 8	5°31	22°48	22°12	28° 4	20°10	W21
T 22	20 31 41	6°50'37	11 <b>8</b> 55	4° 8	24°44	15°40	25°22	2°29	22°36	28° 9	5°33	22°D48	22° 9	28°11	20°14	T 22
F 23	20 35 37	7°48'08	25°59	5° 9	25°51	16°19	25°14	2°34	22°39	28°11	5°35	22°48	22° 6	28°17	20°19	F 23
S 24	20 39 34	8°45'41	10 <b>Ⅱ</b> 21	6° 7	26°59	16°57	25° 7	2°39	22°43	28°13	5°37	22°49	22° 2	28°24	20°23	S 24
S 25	20 43 30	9°43'15	24°57	7° 3	28° 6	17°35	25° 0	2°44	22°47	28°14	5°38	22°51	21°59	28°31	20°27	S 25
M26	20 47 27	10°40'50	99543	7°55	29°14	18°13	24°52	2°50	22°50	28°16	5°40	22°52	21°56	28°37	20°31	M26
T 27	20 51 24	11°38'27	24°34	8°44	09521	18°51	24°45	2°55	22°54	28°17	5°42	22°R52	21°53	28°44	20°35	T 27
W28	20 55 20	12°36'05	9Ω21	9°30	1°29	19°29	24°38	3° 1	22°57	28°19	5°44	22°51	21°50	28°50	20°40	W28
T 29	20 59 17	13°33'44	23°58	10°13	2°37	20° 7	24°31	3° 6	23° 1	28°21	5°46	22°50	21°47	28°57	20°44	T 29
F 30	21 3 13	14°31'25	8 <b>m</b> /17	10°52	3°45	20°45	24°24	3°12	23° 4	28°23	5°47	22°47	21°43	29° 4	20°48	F 30
S 31	21 7 10	15 <b>Ω</b> 29'06	22 <b>m</b> 15	11 <b>m</b> ) 27	4953	21 <b>\O</b> 23	24 <b>궁</b> 17	3 <b>₾</b> 18	2399 8	28 <b>m</b> 24	5 <b>Ω</b> 49	22 <b>る</b> 44	21 <b>る</b> 40	29 <b>×</b> 10	20耳51	S 31

Day	0	D	ğ	ρ	♂	4	ħ	)∤(	¥	Р	w v	Ç	, K
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	l decl	decl lat
T 1 F 2 S 3	22n27 22 20 22 12	8 28 3 12		4 17 59 2 54	20 41 1 10	21 s12 0 s36 21 13 0 36 21 15 0 36	1 48 2 24	22n17 0n28 22 16 0 28 22 16 0 28	2 14 1 27	25 27 6 35	21 s34 21 s3 21 34 21 3 21 34 21 3	1 25 49	18 2 5 0
S 4 M 5 T 6 W 7 T 8	22 4 21 56 21 47 21 38 21 28	8 57 5 10 13 59 5 18	18 43 1 1 18 10 1 1 17 36 1	8 18 39 2 48 2 18 51 2 46 5 19 3 2 44	20 14 1 10 20 5 1 10 19 55 1 10	21 17 0 36 21 18 0 36 21 20 0 36 21 22 0 36 21 23 0 37	1 43 2 23 1 41 2 23 1 39 2 23	22 15 0 28 22 15 0 28 22 14 0 28 22 14 0 28 22 13 0 28	2 13 1 27 2 12 1 27 2 12 1 27	25 26 6 35 25 26 6 35 25 25 6 35	21 34 21 3 21 34 21 3 21 34 21 3 21 34 21 3 21 34 21 3	2 25 47 3 25 46 3 25 46	18 3 5 1 18 3 5 1 18 3 5 2
		25 43 3 30		3 19 38 2 37	19 26 1 10	21 25 0 37 21 27 0 37	1 34 2 22	22 12 0 28 22 12 0 28	2 10 1 27	25 24 6 35	21 34 21 3 21 34 21 3	5 25 44	18 3 5 3
S 11 M12 T 13 W14 T 15 F 16 S 17	20 23	25 1 1 36 22 56 0 32 19 50 0n34 15 52 1 40 11 11 2 42	14 42 0 2 14 6 0 1 13 30 0 12 55 0s 12 20 0 1	6 20 0 2 32 8 20 10 2 30 9 20 20 2 27 1 20 29 2 24 0 20 38 2 21	19 6 1 10 18 55 1 10 18 45 1 10 18 35 1 10 18 24 1 10	21 28 0 37 21 30 0 37 21 32 0 37 21 33 0 37 21 35 0 38 21 36 0 38 21 38 0 38	1 32 2 22 1 30 2 22 1 28 2 22 1 26 2 21 1 24 2 21 1 22 2 21 1 20 2 21	22 10 0 28 22 9 0 28 22 9 0 28 22 8 0 29	2 9 1 27 2 9 1 27 2 8 1 27 2 8 1 27 2 7 1 27	25 23 6 35 25 23 6 35 25 22 6 35 25 22 6 35 25 22 6 35	21 34 21 3 21 34 21 3	6 25 42 6 25 42 7 25 41 7 25 40 8 25 40	18 3 5 3 18 3 5 4 18 3 5 4 18 3 5 4 18 3 5 5
S 18 M19 T 20 W21 T 22 F 23 S 24	18 37 18 22	5n 7 4 55 10 37 5 13 15 45 5 15 20 12 4 59	10 35 0 4 10 1 0 5 9 27 1 8 54 1 11 8 21 1 2	1 21 9 2 9 2 21 15 2 6 2 21 21 2 3 3 21 27 2 0	17 51 1 10 17 40 1 9 17 29 1 9 17 17 1 9 17 6 1 9	21 39 0 38 21 41 0 38 21 43 0 38 21 44 0 38 21 46 0 38 21 47 0 39 21 48 0 39	1 18 2 21 1 16 2 20 1 13 2 20 1 11 2 20 1 9 2 20 1 7 2 20 1 5 2 20	22 7 0 29 22 6 0 29 22 5 0 29 22 5 0 29 22 4 0 29	2 5 1 27 2 5 1 27 2 4 1 27 2 3 1 26 2 3 1 26	25 20 6 35 25 20 6 35 25 20 6 35 25 20 6 36 25 19 6 36 25 19 6 36	21 34 21 3 21 34 21 4 21 35 21 4 21 34 21 4	25 38 0 25 37 1 25 36 1 25 36 2 25 35	18 3 5 6 18 3 5 6 18 3 5 6 18 3 5 7 18 3 5 7
S 25 M26 T 27 W28 T 29 F 30 S 31	17 37 17 21 17 5 16 48 16 31	11 0 2 43 5 1 3 45	6 49 1 5 6 20 2 5 53 2 1 5 26 2 3 5 1 2 4	7 21 40 1 50 8 21 44 1 47 9 21 47 1 44 0 21 49 1 40 1 21 51 1 37	16 31 1 9 16 19 1 9 16 6 1 9 15 54 1 9 15 42 1 8	21 50 0 39 21 51 0 39 21 53 0 39 21 54 0 39 21 55 0 39 21 57 0 39 21 57 0 39 21 58 0 839	1 2 2 19 1 0 2 19 0 58 2 19 0 55 2 19 0 53 2 19 0 51 2 19 0n48 2n19	22 3 0 29 22 2 0 29 22 1 0 29 22 1 0 29	2 1 1 26 2 0 1 26 1 59 1 26 1 59 1 26 1 58 1 26	25 18 6 36 25 17 6 36 25 17 6 36 25 17 6 36 25 16 6 36	21 34 21 4 21 35 21 4 21 s35 21 s4	3 25 33 4 25 32 4 25 31 5 25 30 5 25 30	18 3 5 8 18 3 5 9 18 2 5 9 18 2 5 10 18 2 5 10

Julian Day Number = 2251216.5, Delta T = 06m27s

Ecliptic obliquity =  $23^{\circ}30'41$ , Nutation =  $0^{\circ}00'17$ , out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 17^{\circ}05'17, Lahiri = 16^{\circ}12'17 \ Julian \ Calendar \ 1 \ July \ 1451 == Greg. \ Calendar \ 10 \ July \ 1451 == Greg.$ 

AUGUST 1451 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	Р	S.	v	Ç	Ŗ	Day
S 1	21 11 6	16 <b>Ω</b> 26'49	5 <u>₽</u> 48	11 <b>m</b> 58	69 2	22 <b>N</b> 2	24°R11	3 <u>₽</u> 23	239511	28 Mp 26	5 <b>Ω</b> 51	22°R41	21 <b>궁</b> 37	29 <b>×</b> 17	20耳55	S 1
M 2	21 15 3	17°24'33	18°57	12°24	7°10	22°40	24중 4	3°29	23°15	28°28	5°53	22 <b>る</b> 38	21°34	29°24	20°59	M 2
T 3	21 18 59	18°22'18	1 <b>M</b> .42	12°46	8°19	23°18	23°58	3°35	23°18	28°30	5°54	22°36	21°31	29°30	21° 3	T 3
W 4	21 22 56	19°20'04	14° 6	13° 3	9°28	23°56	23°51	3°41	23°21	28°31	5°56	22°D35	21°28	29°37	21° 6	W 4
T 5	21 26 53	20°17'51	26°15	13°15	10°37	24°34	23°45	3°47	23°25	28°33	5°58	22°35	21°24	29°44	21°10	T 5
F 6	21 30 49	21°15'40	8 <b>×</b> 12	13°22	11°46	25°12	23°39	3°53	23°28	28°35	6° 0	22°36	21°21	29°50	21°14	F 6
S 7	21 34 46	22°13'30	20° 2	13°R23	12°55	25°50	23°33	3°59	23°32	28°37	6° 1	22°37	21°18	29°57	21°17	S 7
S 8	21 38 42	23°11'21	1 <b>궁</b> 51	13°19	14° 4	26°29	23°27	4° 5	23°35	28°39	6° 3	22°39	21°15	0중 4	21°21	S 8
M 9	21 42 39	24° 9'14	13°42	13° 8	15°13	27° 7	23°21	4°11	23°38	28°41	6° 5	22°40	21°12	0°10	21°24	M 9
T 10	21 46 35	25° 7'07	25°40	12°52	16°23	27°45	23°16	4°17	23°41	28°43	6° 7	22°R41	21° 8	0°17	21°27	T 10
W11	21 50 32	26° 5'03	7≈47	12°30	17°32	28°23	23°10	4°23	23°45	28°45	6° 8	22°39	21° 5	0°24	21°31	W11
T 12	21 54 28	27° 2'59	20° 6	12° 2	18°42	29° 1	23° 5	4°30	23°48	28°46	6°10	22°37	21° 2	0°30	21°34	T 12
F 13	21 58 25	28° 0'57	2 <b>)</b> 38	11°28	19°52	29°40	23° 0	4°36	23°51	28°48	6°12	22°33	20°59	0°37	21°37	F 13
S 14	22 2 22	28°58'57	15°24	10°48	21° 2	0 <b>m</b> 18	22°55	4°42	23°54	28°50	6°13	22°27	20°56	0°44	21°40	S 14
S 15	22 6 18	29°56'59	28°25	10° 3	22°12	0°56	22°50	4°49	23°57	28°52	6°15	22°21	20°53	0°50	21°43	S 15
M16	22 10 15	0 <b>m</b> 55'02	11 <b>Y</b> 38	9°14	23°22	1°34	22°46	4°55	24° 1	28°54	6°17	22°15	20°49	0°57	21°46	M16
T 17	22 14 11	1°53'07	25° 5	8°21	24°32	2°13	22°41	5° 2	24° 4	28°56	6°18	22° 9	20°46	1° 4	21°49	T 17
W18	22 18 8	2°51'15	8 <b>8</b> 43	7°25	25°43	2°51	22°37	5° 8	24° 7	28°59	6°20	22° 5	20°43	1°10	21°52	W18
T 19	22 22 4	3°49'24	22°33	6°27	26°53	3°29	22°33	5°15	24°10	29° 1	6°22	22° 3	20°40	1°17	21°54	T 19
F 20	22 26 1	4°47'35	6 <b>II</b> 32	5°29	28° 4	4° 8	22°29	5°21	24°13	29° 3	6°23	22°D 2	20°37	1°24	21°57	F 20
S 21	22 29 57	5°45'49	20°41	4°30	29°15	4°46	22°25	5°28	24°16	29° 5	6°25	22° 3	20°34	1°30	22° 0	S 21
S 22	22 33 54	6°44'04	4958	3°34	0 <b>Ω</b> 26	5°24	22°21	5°35	24°19	29° 7	6°26	22° 4	20°30	1°37	22° 2	S 22
M23	22 37 51	7°42'22	19°21	2°41	1°36	6° 3	22°18	5°42	24°22	29° 9	6°28	22°R 5	20°27	1°44	22° 5	M23
T 24	22 41 47	8°40'42	3 <b>Ω</b> 47	1°53	2°48	6°41	22°15	5°48	24°24	29°11	6°30	22° 4	20°24	1°50	22° 7	T 24
W25	22 45 44	9°39'04	18°11	1°10	3°59	7°19	22°12	5°55	24°27	29°13	6°31	22° 2	20°21	1°57	22°10	W25
T 26	22 49 40	10°37'27	2 Mp 28	0°33	5°10	7°58	22° 9	6° 2	24°30	29°15	6°33	21°57	20°18	2° 3	22°12	T 26
F 27	22 53 37	11°35'53	16°33	0° 5	6°21	8°36	22° 6	6° 9	24°33	29°17	6°34	21°50	20°14	2°10	22°14	F 27
S 28	22 57 33	12°34'20	0 <b>₽</b> 22	29 <b>Ω</b> 45	7°33	9°15	22° 3	6°16	24°36	29°20	6°36	21°42	20°11	2°17	22°16	S 28
S 29	23 1 30	13°32'49	13°51	29°33	8°44	9°53	22° 1	6°23	24°38	29°22	6°37	21°33	20° 8	2°23	22°18	S 29
M30	23 5 26	14°31'20	26°57	29°D31	9°56	10°32	21°59	6°30	24°41	29°24	6°39	21°25	20° 5	2°30	22°20	M30
T 31	23 9 23	15 <b>m</b> 29'52	9 <b>M</b> .42	29 <b>N</b> 38	11 <b>0</b> 7	11 <b>m</b> 10	21 <b>궁</b> 57	6 <b>≏</b> 37	249544	29 <b>m</b> 26	$6\Omega 40$	21 <b>궁</b> 18	20중 2	2 <b>ප</b> 37	22 <b>II</b> 22	T 31

Day	0	D	ğ	9	ð	4	ħ	)∤(	<del>¥</del>	Р	& C	Ç	Š,
	decl	decl lat	decl lat	decl lat	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	cl decl	decl lat
S 1 M 2 T 3 W 4 T 5 F 6 S 7	15 4 14 46 14 27 14 9	25 22 3 40 25 57 2 50	3 57 3 1 3 39 3 2 3 23 3 3 3 10 3 4 2 59 3 5 2 51 4	13 21 50 1 16 14 52 21 48 1 12 14 1 21 45 1 8 14	5 1 8 52 1 8 39 1 8	3     22     3     0     40       3     22     4     0     40       3     22     5     0     40       3     22     6     0     40	0 43 2 18 0 41 2 18 0 39 2 18 0 36 2 18 0 34 2 18 0 31 2 18	21n59 0n29 21 59 0 29 21 58 0 29 21 57 0 29 21 57 0 29 21 56 0 29 21 56 0 29 21 55 0 29	1 56	25 15 6 36 25 15 6 37 25 15 6 37 25 14 6 37 25 14 6 37 25 14 6 37		47 25 27 47 25 27 48 25 26 48 25 25 49 25 24 49 25 23	18 2 5 11 18 1 5 12 18 1 5 12 18 1 5 13 18 1 5 13 18 1 5 13
M 9 T 10 W11 T 12 F 13 S 14	13 31	23 37 0 49 20 48 0n16 17 4 1 22	2 43 4 1 2 44 4 2 2 49 4 2 2 56 4 2 3 8 4 3 3 22 4 3	15 21 38 1 1 13 20 21 33 0 58 13 25 21 28 0 54 13 28 21 22 0 50 12 30 21 16 0 47 12 80 21 9 0 43 12	34 1 20 1 7 1 54 1 40 1 26 1	7 22 8 0 40 7 22 9 0 40 7 22 10 0 40 7 22 11 0 40 7 22 12 0 40 7 22 13 0 40	0 26 2 17 0 23 2 17 0 21 2 17 0 18 2 17 0 16 2 17 0 13 2 17	21 55 0 29 21 54 0 29 21 54 0 29 21 53 0 29 21 52 0 29 21 52 0 29	1 51 1 26 1 50 1 26 1 49 1 26 1 48 1 26 1 47 1 26	25 13 6 37 25 13 6 37 25 12 6 38 25 12 6 38 25 12 6 38 25 11 6 38	21 36 21 21 36 21 21 36 21 21 37 21 21 37 21 21 38 21	50 25 22 51 25 21 51 25 20 52 25 19 52 25 18 53 25 17	18 0 5 14 18 0 5 15 18 0 5 15 17 59 5 16 17 59 5 16 17 59 5 17
S 15 M16 T 17 W18 T 19 F 20 S 21	11 31 11 11 10 50 10 29 10 8 9 47 9 26	3n42 4 44 9 17 5 5 14 32 5 10 19 8 4 57 22 46 4 28 25 6 3 42 25 52 2 42	4 54 4 1	25 20 53 0 36 11 20 20 45 0 33 11 12 20 35 0 29 11 3 20 25 0 26 11 52 20 15 0 22 11	59 1 6 45 1 6 31 1 6 17 1 6 3 1 6	5 22 14 0 40 5 22 15 0 40 5 22 15 0 40 5 22 16 0 40 5 22 17 0 40 5 22 18 0 40	0 8 2 17 0 5 2 16 0 2 2 16 0s 0 2 16 0 3 2 16	21 50 0 29 21 49 0 29	1 46 1 26 1 45 1 26 1 44 1 26 1 43 1 26 1 42 1 26 1 41 1 26	25 11 6 38 25 10 6 38 25 10 6 39 25 10 6 39 25 10 6 39	21 39 21 21 40 21 21 41 21 21 42 21 21 42 21 21 42 21 21 42 21	54 25 16 54 25 15 55 25 14 55 25 13 56 25 12	17 58 5 18 17 58 5 18 17 58 5 19 17 57 5 19 17 57 5 20
S 22 M23 T 24 W25 T 26 F 27 S 28	8 42 8 20	24 56 1 31 22 21 0 15 18 21 1s 3 13 16 2 16 7 31 3 20 1 28 4 11 4s31 4 46	8 10 2 5 8 42 2 3 9 13 2 1 9 41 1 5	9 19 40 0 12 10 52 19 28 0 8 10 33 19 14 0 5 9 15 19 1 0 2 9 55 18 46 0n 2 9	20 1 5 5 1 5 5 1 1 5 36 1 5 22 1 5		0 11 2 16 0 14 2 16 0 17 2 16 0 20 2 16 0 22 2 16	21 48 0 29 21 47 0 29 21 47 0 29 21 46 0 29 21 46 0 29 21 45 0 29 21 45 0 29	1 40 1 26 1 39 1 26 1 38 1 26 1 37 1 26 1 37 1 26 1 36 1 26 1 35 1 26	25 9 6 39 25 9 6 40 25 8 6 40 25 8 6 40 25 8 6 40	21 42 21 21 43 21	57 25 9 57 25 8 58 25 8 58 25 7 59 25 6	17 56 5 21 17 56 5 21 17 55 5 22 17 55 5 22 17 55 5 23 17 54 5 23 17 54 5 24
S 29 M30 T 31	6 7	15 9 5 5	10 28 1 1 10 47 0 5 11n 2 0s3	57 18 0 0 12 8	38 1 4	1 22 22 0 41 1 22 23 0 41 1 22 s23 0 s41	0 31 2 15	21 45 0 29 21 44 0 29 21n44 0n29		<b>25 7</b> 6 41	21 47 22 21 48 22 21 s49 22 s	0 25 3	

Julian Day Number = 2251247.5, Delta T = 06m27s

Ecliptic obliquity =  $23^{\circ}30'41$ , Nutation =  $0^{\circ}00'17$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 17°05'21, Lahiri = 16°12'22 Julian Calendar 1 Aug. 1451 == Greg. Calendar 10 Aug. 1451

SEPTEMBER 1451 JC 00:00 UT

JLI	LENDEN	I-31 0	C												00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	并	Р	S.	v	Ç	Ŗ	Day
W 1	23 13 20	16 <b>m</b> )28'27	22 <b>M</b> 7	29 <b>N</b> 55	12 <b>Ω</b> 19	11 <b>m</b> )48	21°R55	6 <b>₽</b> 44	249546	29 <b>m</b> 28	6 <b>Ω</b> 42	21°R13	19 <b>る</b> 59	2 <b>ප්</b> 43	22∏24	W 1
T 2	23 17 16	17°27'03	4 <b>₹</b> 16	0 mp 2 1	13°31	12°27	21 <b>る</b> 54	6°51	24°49	29°30	6°43	21 <b>궁</b> 10	19°55	2°50	22°26	T 2
F 3	23 21 13	18°25'41	16°13	0°56	14°43	13° 5	21°52	6°58	24°51	29°33	6°44	21°D 9	19°52	2°57	22°27	F 3
S 4	23 25 9	19°24'20	28° 3	1°40	15°55	13°44	21°51	7° 5	24°54	29°35	6°46	21° 9	19°49	3° 3	22°29	S 4
S 5	23 29 6	20°23'02	9 <b>궁</b> 52	2°32	17° 7	14°23	21°50	7°12	24°56	29°37	6°47	21°10	19°46	3°10	22°30	S 5
M 6	23 33 2	21°21'45	21°45	3°32	18°19	15° 1	21°49	7°19	24°59	29°39	6°49	21°R10	19°43	3°17	22°32	M 6
T 7	23 36 59	22°20'29	3≈46	4°39	19°31	15°40	21°49	7°26	25° 1	29°41	6°50	21° 9	19°40	3°23	22°33	T 7
W 8	23 40 55	23°19'16	16° 0	5°52	20°44	16°18	21°48	7°33	25° 4	29°44	6°51	21° 6	19°36	3°30	22°34	W 8
T 9	23 44 52	24°18'04	28°31	7°11	21°56	16°57	21°48	7°41	25° 6	29°46	6°53	21° 1	19°33	3°37	22°36	T 9
F 10	23 48 49	25°16'54	11 <b>米</b> 19	8°36	23° 9	17°35	21°D48	7°48	25° 8	29°48	6°54	20°53	19°30	3°43	22°37	F 10
S 11	23 52 45	26°15'47	24°26	10° 4	24°21	18°14	21°48	7°55	25°10	29°50	6°55	20°43	19°27	3°50	22°38	S 11
S 12	23 56 42	27°14'41	7 <b>Υ</b> 50	11°37	25°34	18°53	21°49	8° 2	25°12	29°53	6°56	20°32	19°24	3°57	22°39	S 12
M13	0 038	28°13'37	21°30	13°13	26°47	19°31	21°49	8° 9	25°15	29°55	6°58	20°21	19°20	4° 3	22°39	M13
T 14	0 4 35	29°12'35	5 <b>8</b> 21	14°51	27°59	20°10	21°50	8°17	25°17	29°57	6°59	20°11	19°17	4°10	22°40	T 14
W15	0 8 3 1	0 <b>₽</b> 11'36	19°20	16°32	29°12	20°49	21°51	8°24	25°19	29°59	7° 0	20° 3	19°14	4°16	22°41	W15
T 16	0 12 28	1°10'39	3 <b>Ⅱ</b> 23	18°14	0 <b>m</b> 25	21°27	21°52	8°31	25°21	0 <u>ი</u> 2	7° 1	19°58	19°11	4°23	22°42	T 16
F 17	0 16 24	2° 9'45	17°30	19°58	1°38	22° 6	21°54	8°39	25°23	0° 4	7° 2	19°55	19° 8	4°30	22°42	F 17
S 18	0 20 21	3° 8'53	1936	21°43	2°51	22°45	21°55	8°46	25°24	0° 6	7° 4	19°D54	19° 5	4°36	22°43	S 18
S 19	0 24 18	4° 8'03	15°42	23°29	4° 5	23°24	21°57	8°53	25°26	0° 8	7° 5	19°R55	19° 1	4°43	22°43	S 19
M20	0 28 14	5° 7'15	29°47	25°15	5°18	24° 2	21°59	9° 0	25°28	0°10	7° 6	19°54	18°58	4°50	22°43	M20
T 21	0 32 11	6° 6'30	13 <b>Ω</b> 49	27° 1	6°31	24°41	22° 1	9° 8	25°30	0°13	7° 7	19°52	18°55	4°56	22°44	T 21
W22	0 36 7	7° 5'47	27°48	28°47	7°44	25°20	22° 3	9°15	25°32	0°15	7°8	19°48	18°52	5° 3	22°44	W22
T 23	0 40 4	8° 5'07	11 <b>m</b> 39	0 <b>ჲ</b> 34	8°58	25°59	22° 6	9°22	25°33	0°17	7° 9	19°41	18°49	5°10	22°R44	T 23
F 24	0 44 0	9° 4'28	25°21	2°20	10°11	26°38	22° 9	9°30	25°35	0°19	7°10	19°31	18°45	5°16	22°44	F 24
S 25	0 47 57	10° 3'52	8 <b>≏</b> 51	4° 6	11°25	27°17	22°12	9°37	25°36	0°22	7°11	19°18	18°42	5°23	22°44	S 25
S 26	0 51 53	11° 3'18	22° 5	5°51	12°39	27°55	22°15	9°44	25°38	0°24	7°12	19° 5	18°39	5°30	22°43	S 26
M27	0 55 50	12° 2'46	5 <b>M</b> 1	7°36	13°52	28°34	22°18	9°52	25°39	0°26	7°13	18°53	18°36	5°36	22°43	M27
T 28	0 59 46	13° 2'15	17°40	9°20	15° 6	29°13	22°21	9°59	25°41	0°28	7°14	18°41	18°33	5°43	22°43	T 28
W29	1 3 43	14° 1'47	0 <b>∡</b> 1 1	11° 4	16°20	29°52	22°25	10° 6	25°42	0°30	7°15	18°32	18°30	5°50	22°42	W29
T 30	1 7 40	15 <b>♀</b> 1'21	12 <b>×7</b> 8	12 <b>≏</b> 47	17 <b>m</b> )34	0 <b>ჲ</b> 31	22る29	10 <b>≏</b> 14	259543	0 <b>ჲ</b> 33	$7\Omega$ 15	18 <b>궁</b> 26	18 <b>궁</b> 26	5 <b>る</b> 56	22 <b>∏</b> 42	T 30

Day	0	D		ğ	5	ς	2	ď	1	2	ŀ	ħ	<u> </u>	)į	ξ(	j	Ţ	E	2	រា	v	ţ	, k	
	decl	decl lat		decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n21	22 s35 4	s23	11n13	0s21	17n26	0n18	8n 8	1n 4	22 s23	0 s41	0s37	2n15	21n43	0n29	1n31	1n26	25n 7	6n41	21 s50	22 s 1	25 s 1	17n52	5 s26
T 2	4 58	24 44 3	44	11 19	0 4	17 9	0 21	7 53	1 3	22 24	0 41	0 39	2 15	21 43	0 29	1 30	1 26	25 7	6 41	21 50	22 2	25 0	17 52	5 26
F 3	4 35	25 43 2	56	11 22	0n12	16 51	0 24	7 38	1 3	22 24	0 41	0 42	2 15	21 42	0 29	1 30	1 26	25 6	6 41	21 51	22 2	24 59	17 51	5 27
S 4	4 12	25 31 2	1	11 20	0 27	16 33	0 27	7 23	1 3	22 24	0 41	0 45	2 15	21 42	0 30	1 29	1 26	25 6	6 42	21 51	22 3	24 58	17 51	5 27
S 5	3 49	24 9 1	0	11 14	0 41	16 14	0 30	7 8	1 3	22 24	0 41	0 48	2 15	21 41	0 30	1 28	1 26	25 6	6 42	21 50	22 3	24 57	17 50	5 28
M 6	3 26	21 42 0	n 3	11 4	0 53	15 54	0 33	6 53	1 3	22 24	0 41	0 51	2 15	21 41	0 30	1 27	1 26	25 6	6 42	21 50	22 4	24 56	17 50	5 29
T 7	3 3	18 17 1	7	10 50	1 5	15 34	0 36	6 38	1 2	22 24	0 41	0 54	2 15	21 41	0 30	1 26	1 26	25 6	6 42	21 51	22 4	24 55	17 49	5 29
W 8	2 40	14 2 2	. 9	10 33	1 15	15 14	0 38	6 22		22 24	0 41	0 56		21 40		1 25	1 26	25 6	6 42			24 54		5 30
T 9	2 16	9 8 3	5	10 11	1 24	14 53	0 41	6 7		22 24	0 41	0 59		21 40	0 30	1 24	1 26	25 5	6 43			24 53	17 49	5 30
F 10	1 53	-	54	9 47	1 31		0 44	5 52		22 24	0 41	1 2		21 39	0 30		1 26	25 5	6 43			24 52		5 31
S 11	1 29	1n56 4	32	9 19	1 38	14 10	0 46	5 37	1 2	22 24	0 41	1 5	2 15	21 39	0 30	1 22	1 26	25 5	6 43	21 55	22 6	24 51	17 48	5 31
S 12	1 6	7 38 4	55	8 49	1 43	13 48	0 49	5 21	1 1	22 24	0 41	1 8	2 15	21 39	0 30	1 22	1 26	25 5	6 43	21 56	22 6	24 50	17 47	5 32
M13	0 42	13 4 5	2	8 16	1 47	13 26	0 52	5 6		22 24	0 41	1 11		21 38	0 30	1 21	1 26	25 5		21 58		24 49	17 47	5 32
T 14	,		52	7 41	1 50		0 54	4 50		22 24	0 41	1 14		21 38	0 30		1 26	25 5	6 44	21 59		24 47		5 33
W15			24	7 3	1 52		0 56	4 35		22 24	0 41	1 17		21 38	0 30		1 26	25 5	6 44	22 1		24 46		5 34
T 16			40	6 25	1 54		0 59	4 19		22 24	0 41	1 19		21 37	0 30		1 26	25 5	6 44	22 1		24 45		5 34
F 17			43	5 44	1 54		1 1	4 4		22 24	0 41	1 22		21 37	0 30		1 26	25 5	6 44	22 2		24 44		5 35
S 18	1 15	25 6 1	36	5 2	1 54	11 28	1 3	3 48	1 (	22 23	0 41	1 25	2 15	21 37	0 30	1 16	1 26	25 4	6 44	22 2	22 9	24 43	17 44	5 35
S 19	1 39	22 57 0	22	4 20	1 53	11 4	1 5	3 33	1 (	22 23	0 41	1 28	2 15	21 36	0 30	1 15	1 26	25 4	6 45	22 2	22 9	24 42	17 43	5 36
M20	2 2	19 24 0	s52	3 36	1 51	10 39	1 7	3 17	0 59	22 23	0 40	1 31	2 15	21 36	0 30	1 15	1 26	25 4	6 45	22 2	22 10	24 41	17 43	5 36
T 21	2 26	-	3	2 51	1 49	10 13	1 9	3 1		22 22	0 40	1 34		21 36		1 14	1 26	25 4	6 45			24 40		5 37
W22	2 50	-	-	2 6	1 46	9 48	1 11	2 46		22 22	0 40	1 37		21 36			1 26	25 4	6 45			24 39		5 37
T 23	3 13		58	1 21	1 43	9 22	1 13	2 30		22 21	0 40	1 40		21 35	0 30		1 26		6 46			24 38		5 38
F 24	3 36		35	0 35	1 39	8 56	1 15	2 14		22 21	0 40	1 42		21 35	0 30		1 26	25 4	6 46			24 36		5 39
S 25	4 0	8 2 4	- 56	0s11	1 35	8 29	1 17	1 59	0 58	22 21	0 40	1 45	2 15	21 35	0 30	1 10	1 26	25 4	6 46	22 7	22 12	24 35	17 40	5 39
S 26	-	13 15 5	0	0 57	1 31	8 3	1 18	1 43		22 20	0 40	1 48		21 35	0 30	1 9	1 26	25 4	6 46			24 34		5 40
M27		-	49	1 43	1 26	7 36	1 20	1 27		22 19	0 40	1 51		21 34	0 30		1 26	25 4	6 47		_	24 33		5 40
T 28			24	2 28	1 21	7 8	1 22	1 11		22 19	0 40	1 54		21 34	0 30		1 26	25 4	6 47			24 32		5 41
W29			46	3 14	1 15	6 41	1 23	0 55		22 18	0 40	1 57		21 34	0 30		1 26	25 4	6 47			24 31		5 41
T 30	5 s 5 6	25 s 16 2	s59	4s 0	1n10	6n13	1n24	0n40	0n57	22 s 18	0 s40	2s 0	2n15	21n34	0n30	1n 6	1n26	25n 4	6n47	22 s14	22 s14	24s30	17n37	5 s42

Julian Day Number = 2251278.5, Delta T = 06m26s

Ecliptic obliquity = 23°30'42, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 17°05'25, Lahiri = 16°12'26 Julian Calendar 1 Sept. 1451 == Greg. Calendar 10 Sept. 1451

OCTOBER 1451 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	¥	Р	n	v	Ç	Ŷ,	Day
F 1	1 11 36	16♀ 0'56	24 <b>√</b> 4	14 <u>₽</u> 30	18 <b>m</b> /48	1 <b>≏</b> 10	22 <b>궁</b> 33	10 <u>₽</u> 21	259945	0 <b>ჲ</b> 35	7 <b>Ω</b> 16	18°R23	18 <b>궁</b> 23	6 <b>ප</b> 3	22°R41	F 1
S 2	1 15 33	17° 0'34	5 <b>궁</b> 53	16°12	20° 2	1°49	22°37	10°28	25°46	0°37	7°17	18 <b>ට</b> 21	18°20	6° 9	22 <b>∏</b> 41	S 2
S 3	1 19 29	18° 0'13	17°41	17°53	21°16	2°28	22°42	10°35	25°47	0°39	7°18	18°21	18°17	6°16	22°40	S 3
M 4	1 23 26	18°59'53	29°33	19°34	22°30	3° 7	22°46	10°43	25°48	0°41	7°19	18°21	18°14	6°23	22°39	M 4
T 5	1 27 22	19°59'36	11≈35	21°14	23°44	3°46	22°51	10°50	25°49	0°43	7°19	18°20	18°11	6°29	22°38	T 5
W 6	1 31 19	20°59'20	23°52	22°53	24°58	4°25	22°56	10°57	25°50	0°45	7°20	18°17	18° 7	6°36	22°37	W 6
T 7	1 35 15	21°59'06	6 <b>∺</b> 28	24°32	26°12	5° 4	23° 1	11° 5	25°51	0°48	7°21	18°11	18° 4	6°43	22°36	T 7
F 8	1 39 12	22°58'54	19°26	26°11	27°26	5°44	23° 6	11°12	25°52	0°50	7°21	18° 2	18° 1	6°49	22°35	F 8
S 9	1 43 9	23°58'43	2 <b>Υ</b> 48	27°48	28°41	6°23	23°12	11°19	25°53	0°52	7°22	17°51	17°58	6°56	22°34	S 9
S 10	1 47 5	24°58'35	16°32	29°25	29°55	7° 2	23°17	11°26	25°54	0°54	7°23	17°39	17°55	7° 3	22°32	S 10
M11	151 2	25°58'28	0 <b>8</b> 36	1M 2	1 <b>♀</b> 9	7°41	23°23	11°33	25°54	0°56	7°23	17°27	17°51	7° 9	22°31	M11
T 12	1 54 58	26°58'23	14°54	2°38	2°24	8°20	23°29	11°40	25°55	0°58	7°24	17°16	17°48	7°16	22°29	T 12
W13	1 58 55	27°58'21	29°20	4°14	3°38	8°59	23°35	11°48	25°56	1° 0	7°24	17° 7	17°45	7°23	22°28	W13
T 14	2 2 5 1	28°58'20	13 <b>Ⅱ</b> 48	5°49	4°53	9°39	23°41	11°55	25°56	1° 2	7°25	17° 0	17°42	7°29	22°26	T 14
F 15	2 6 48	29°58'22	28°13	7°24	6° 7	10°18	23°48	12° 2	25°57	1° 4	7°25	16°57	17°39	7°36	22°24	F 15
S 16	2 10 44	0M58'26	12931	8°58	7°22	10°57	23°54	12° 9	25°57	1° 6	7°26	16°D56	17°36	7°43	22°23	S 16
S 17	2 14 41	1°58'32	26°39	10°32	8°36	11°37	24° 1	12°16	25°58	1°8	7°26	16°R56	17°32	7°49	22°21	S 17
M18	2 18 38	2°58'40	10 <b>Ω</b> 38	12° 5	9°51	12°16	24° 8	12°23	25°58	1°10	7°26	16°56	17°29	7°56	22°19	M18
T 19	2 22 34	3°58'51	24°26	13°38	11° 6	12°55	24°15	12°30	25°58	1°12	7°27	16°54	17°26	8° 2	22°17	T 19
W20	2 26 31	4°59'03	8Mp 5	15°11	12°20	13°35	24°22	12°37	25°59	1°14	7°27	16°50	17°23	8° 9	22°15	W20
T 21	2 30 27	5°59'17	21°33	16°43	13°35	14°14	24°30	12°44	25°59	1°16	7°27	16°44	17°20	8°16	22°13	T 21
F 22	2 34 24	6°59'34	4 <b>₽</b> 50	18°15	14°50	14°53	24°37	12°51	25°59	1°18	7°28	16°34	17°17	8°22	22°10	F 22
S 23	2 38 20	7°59'52	17°56	19°46	16° 5	15°33	24°45	12°58	25°59	1°20	7°28	16°23	17°13	8°29	22° 8	S 23
S 24	2 42 17	9° 0'12	0 <b>M</b> .49	21°17	17°20	16°12	24°53	13° 5	25°R59	1°22	7°28	16°10	17°10	8°36	22° 6	S 24
M25	2 46 13	10° 0'34	13°29	22°48	18°35	16°52	25° 1	13°11	25°59	1°23	7°28	15°58	17° 7	8°42	22° 3	M25
T 26	2 50 10	11° 0'58	25°56	24°18	19°50	17°31	25° 9	13°18	25°59	1°25	7°28	15°47	17° 4	8°49	22° 1	T 26
W27	2 54 7	12° 1'24	8 <b>×</b> 7 9	25°48	21° 5	18°11	25°17	13°25	25°59	1°27	7°29	15°39	17° 1	8°56	21°58	W27
T 28	2 58 3	13° 1'51	20°10	27°18	22°20	18°51	25°26	13°32	25°58	1°29	7°29	15°33	16°57	9° 2	21°56	T 28
F 29	3 2 0	14° 2'19	2 <b>ට</b> 3	28°47	23°35	19°30	25°34	13°38	25°58	1°31	7°29	15°29	16°54	9° 9	21°53	F 29
S 30	3 5 56	15° 2'49	13°50	0 <b>∡</b> 16	24°50	20°10	25°43	13°45	25°58	1°32	7°29	15°D28	16°51	9°16	21°50	S 30
S 31	3 9 53	16M 3'21	25 <b>る</b> 37	1 <b>√</b> 144	26 <b>♀</b> 5	20 <b>≏</b> 49	25 <b>る</b> 52	13 <b>≏</b> 52	25958	1 <b>≏</b> 34	7°R29	15 <b>る</b> 29	16 <b>궁</b> 48	9 <b>る</b> 22	21 <b>II</b> 47	S 31

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F 1 S 2	6s19 6 42	25 s27 2s 5 24 28 1 6				22 s17 0 s40 22 16 0 40		21n33 0n30 21 33 0 30	-		22 s15 22 s1 22 15 22 1		
S 3 M 4 T 5 W 6 T 7 F 8 S 9 S 10	7 5 7 28 7 50 8 13 8 35 8 58 9 20 9 42	15 27 2 0 10 50 2 56 5 41 3 45 0 8 4 25 5n33 4 50 11 8 5 1	8 25 0 33 9 8 0 26 9 50 0 19 10 32 0 13 11 13 0 6	4 21 1 29 3 53 1 30 3 24 1 31 2 55 1 32 2 26 1 33 1 57 1 33 1 28 1 34	0 24 0 56 0 39 0 55 0 55 0 55 1 11 0 55 1 27 0 55 1 43 0 54 1 58 0 54		2 11 2 15 2 14 2 15 2 16 2 15 2 19 2 15 2 22 2 15 2 25 2 15 2 28 2 15	21 33 0 31 21 33 0 31 21 32 0 31 21 32 0 31 21 32 0 31 21 32 0 31	1 2 1 26 1 2 1 26 1 1 1 26 1 0 1 26 0 59 1 26 0 58 1 26	25 4 6 48 25 4 6 49 25 4 6 49 25 4 6 49 25 4 6 49 25 4 6 50 25 5 6 50	22 15 22 1 22 15 22 1 22 15 22 1 22 16 22 1 22 16 22 1 22 18 22 1 22 19 22 1 22 21 22 1	6 24 25 6 24 24 7 24 23 7 24 21 8 24 20 8 24 19 9 24 18	17 35 5 44 17 34 5 45 17 34 5 45 17 33 5 46 17 33 5 46 17 32 5 47
	10 47 11 8 11 30 11 51	20 36 4 27 23 42 3 44 25 16 2 46 25 7 1 37 23 19 0 23	12 33 0 7 13 11 0 14 13 50 0 21 14 27 0 28 15 4 0 34	0 30 1 35 0 0 1 35 0s29 1 36 0 58 1 36 1 28 1 36	2 14 0 54 2 30 0 53 2 46 0 53 3 2 0 53 3 17 0 52 3 33 0 52	22 7 0 40 22 6 0 40 22 5 0 40 22 4 0 40 22 3 0 40	2 38 2 16 2 41 2 16 2 44 2 16	21 32 0 31 21 32 0 31 21 32 0 31 21 32 0 31 21 32 0 31	0 57 1 26 0 56 1 26 0 55 1 26 0 54 1 26 0 54 1 26 0 53 1 26	25 5 6 50 25 5 6 51 25 5 6 51 25 5 6 51 25 5 6 51	22 22 22 1 22 24 22 1 22 25 22 2 22 26 22 2 22 26 22 2 22 26 22 2	9 24 15 20 24 14 20 24 13 21 24 11 21 24 10	17 30 5 48 17 30 5 49 17 29 5 49 17 28 5 50 17 28 5 50
S 17 M18 T 19 W20 T 21 F 22 S 23	13 13 13 33 13 53	15 40 2 2 10 30 3 5 4 55 3 56 0 s50 4 34 6 27 4 56	16 16 0 47 16 50 0 54	2 26 1 36 2 56 1 36 3 25 1 36 3 54 1 36 4 24 1 35	4 36 0 51 4 51 0 50 5 7 0 50	22 0 0 40	2 49 2 16 2 52 2 16 2 54 2 16 2 57 2 16 3 0 2 16	21 32 0 31 21 32 0 31 21 31 0 31 21 31 0 31 21 31 0 31 21 31 0 31 21 32 0 31	0 52 1 26 0 51 1 26 0 51 1 26 0 50 1 27 0 49 1 27 0 48 1 27 0 48 1 27	25 6 6 52 25 6 6 52 25 6 6 52 25 6 6 53 25 6 6 53	22 26 22 2 22 26 22 2 22 26 22 2 22 27 22 2 22 28 22 2 22 29 22 2 22 30 22 2	22 24 8 22 24 6 23 24 5 23 24 4 23 24 3	17 27 5 51 17 27 5 51 17 26 5 52 17 25 5 52 17 25 5 53 17 24 5 53 17 24 5 54
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	14 52 15 11 15 29 15 48 16 6 16 24	20 12 4 29 23 3 3 52 24 47 3 5 25 19 2 11 24 41 1 11 22 56 0 9	20 27 1 35 20 54 1 41 21 20 1 46 21 45 1 51	5 51 1 34 6 20 1 34 6 49 1 33 7 17 1 32 7 46 1 32 8 14 1 31	5 54 0 49 6 9 0 49 6 25 0 48 6 40 0 48 6 55 0 47 7 11 0 47	21 52 0 40 21 51 0 40 21 49 0 40 21 48 0 40 21 46 0 40 21 45 0 40 21 43 0 40 21 541 0 540	3 7 2 17 3 10 2 17 3 12 2 17 3 15 2 17 3 17 2 17 3 20 2 17	21 32 0 31 21 32 0 31	0 47 1 27 0 46 1 27 0 46 1 27 0 45 1 27 0 44 1 27 0 43 1 27 0 43 1 27 0 127	25 7 6 54 25 7 6 54 25 7 6 54 25 7 6 55 25 8 6 55 25 8 6 55	22 32 22 2 22 33 22 2 22 34 22 2 22 35 22 2 22 36 22 2 22 37 22 2 22 37 22 2 22 37 22 2	25 23 59 25 23 57 26 23 56 26 23 55 26 23 53 27 23 52	17 22 5 55 17 22 5 55 17 21 5 55 17 21 5 56 17 20 5 56 17 19 5 57

Julian Day Number = 2251308.5, Delta T = 06m26s

Ecliptic obliquity = 23°30'41, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 17°05'30, Lahiri = 16°12'30 Julian Calendar 1 Oct. 1451 == Greg. Calendar 10 Oct. 1451

NOVEMBER 1451 JC 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ	)∤(	¥	Р	n	v	Ç	ę,	Day
M 1	3 13 49	17 <b>M</b> 3'53	7≈27	3 <b>₹</b> 12	27 <b>₽</b> 20	21 <b>≏</b> 29	26 <b>ට</b> 1	13 <b>≏</b> 58	25°R57	1 <b>≏</b> 36	7°R29	15 <b>云</b> 29	16 <b>පි</b> 45	9 <b>ට</b> 29	21°R44	M 1
T 2	3 17 46	18° 4'27	19°27	4°39	28°35	22° 9	26°10	14° 5	25957	1°37	$7\Omega$ 29	15°R30	16°42	9°36	21 <b>Ⅲ</b> 41	T 2
W 3	3 21 42	19° 5'02	1 <b>)</b> 41	6° 6	29°50	22°48	26°19	14°11	25°56	1°39	7°29	15°29	16°38	9°42	21°38	W 3
T 4	3 25 39	20° 5'38	14°16	7°32	1 <b>m</b> 5	23°28	26°28	14°17	25°55	1°41	7°29	15°26	16°35	9°49	21°35	T 4
F 5	3 29 36	21° 6'16	27°15	8°58	2°20	24° 8	26°38	14°24	25°55	1°42	7°28	15°21	16°32	9°55	21°32	F 5
S 6	3 33 32	22° 6'55	10 <b>Υ</b> 40	10°22	3°35	24°47	26°47	14°30	25°54	1°44	7°28	15°14	16°29	10° 2	21°29	S 6
S 7	3 37 29	23° 7'35	24°33	11°46	4°51	25°27	26°57	14°36	25°53	1°46	7°28	15° 5	16°26	10° 9	21°26	S 7
M 8	3 41 25	24° 8'16	8 <b>8</b> 51	13° 9	6° 6	26° 7	27° 7	14°43	25°53	1°47	7°28	14°56	16°22	10°15	21°23	M 8
T 9	3 45 22	25° 8'58	23°28	14°31	7°21	26°47	27°17	14°49	25°52	1°49	7°28	14°48	16°19	10°22	21°19	T 9
W10	3 49 18	26° 9'42	8 <b>Ⅱ</b> 18	15°52	8°36	27°27	27°27	14°55	25°51	1°50	7°27	14°42	16°16	10°29	21°16	W10
T 11	3 53 15	27°10'28	23°12	17°11	9°51	28° 7	27°37	15° 1	25°50	1°52	7°27	14°38	16°13	10°35	21°13	T 11
F 12	3 57 11	28°11'15	8 <b>95</b> 3	18°29	11° 7	28°46	27°48	15° 7	25°49	1°53	7°27	14°D36	16°10	10°42	21° 9	F 12
S 13	4 1 8	29°12'03	22°42	19°44	12°22	29°26	27°58	15°13	25°48	1°54	7°26	14°36	16° 7	10°49	21° 6	S 13
S 14	4 5 5	0 <b>₹</b> 12'53	7 <b>Ω</b> 6	20°58	13°37	OM 6	28° 8	15°19	25°47	1°56	7°26	14°37	16° 3	10°55	21° 2	S 14
M15	4 9 1	1°13'44	21°13	22° 9	14°53	0°46	28°19	15°25	25°46	1°57	7°26	14°38	16° 0	11° 2	20°59	M15
T 16	4 12 58	2°14'36	5 <b>m</b> ) 1	23°18	16° 8	1°26	28°30	15°31	25°44	1°58	7°25	14°R39	15°57	11° 9	20°55	T 16
W17	4 16 54	3°15'30	18°32	24°23	17°23	2° 6	28°41	15°36	25°43	2° 0	7°25	14°38	15°54	11°15	20°52	W17
T 18	4 20 51	4°16'25	1 <b>≏</b> 46	25°24	18°39	2°46	28°52	15°42	25°42	2° 1	7°24	14°35	15°51	11°22	20°48	T 18
F 19	4 24 47	5°17'22	14°45	26°21	19°54	3°26	29° 3	15°48	25°41	2° 2	7°24	14°30	15°48	11°29	20°44	F 19
S 20	4 28 44	6°18'20	27°30	27°14	21°10	4° 6	29°14	15°53	25°39	2° 3	7°23	14°23	15°44	11°35	20°40	S 20
S 21	4 32 40	7°19'19	10 <b>M</b> 3	28° 0	22°25	4°47	29°25	15°59	25°38	2° 5	7°23	14°16	15°41	11°42	20°37	S 21
M22	4 36 37	8°20'19	22°25	28°41	23°40	5°27	29°37	16° 4	25°36	2° 6	7°22	14° 9	15°38	11°48	20°33	M22
T 23	4 40 34	9°21'21	4 <b>₹</b> 37	29°14	24°56	6° 7	29°48	16° 9	25°35	2° 7	7°22	14° 3	15°35	11°55	20°29	T 23
W24	4 44 30	10°22'23	16°39	29°40	26°11	6°47	29°59	16°15	25°33	2° 8	7°21	13°59	15°32	12° 2	20°25	W24
T 25	4 48 27	11°23'26	28°34	29°56	27°27	7°27	0≈11	16°20	25°31	2° 9	7°20	13°56	15°28	12° 8	20°21	T 25
F 26	4 52 23	12°24'30	10 <b>ට</b> 23	0°R 3	28°42	8° 7	0°23	16°25	25°30	2°10	7°20	13°D54	15°25	12°15	20°18	F 26
S 27	4 56 20	13°25'34	22°10	29°59	29°57	8°48	0°35	16°30	25°28	2°11	7°19	13°55	15°22	12°22	20°14	S 27
S 28	5 0 16	14°26'39	3≈56	29°45	1 <b>√</b> 13	9°28	0°47	16°35	25°26	2°12	7°18	13°56	15°19	12°28	20°10	S 28
M29	5 4 13	15°27'45	15°46	29°19	2°28	10°8	0°59	16°40	25°25	2°13	7°17	13°58	15°16	12°35	20° 6	M29
T 30	5 8 9	16 <b>₹</b> 28'50	27≈45	28 <b>×</b> <sup>7</sup> 41	3 <b>,</b> ₹44	10 <b>M</b> .49	1≈11	16 <b>₽</b> 45	259523	2 <b>≏</b> 14	$7\Omega$ 17	14る 0	15 <b>云</b> 13	12 <b>云</b> 42	20 <b>I</b> 2	T 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16 s59	16 s36		22 s54		9s10	1n29	7 s41		21 s40	0 s40	3 s25		21n32		0n42		25n 8	6n56				17n18	5 s 5 8
T 2	17 16	- 1		23 14	2 8		1 28	7 56		21 38	0 40	3 27		21 32	0 32	0 41	1 27		6 56			23 48		5 58
W 3	17 33		3 42		2 12		1 27	8 11		21 36	0 40	3 29		21 32	0 32	0 40	1 27	25 9	6 56			23 47		
T 4	17 49	2 10	4 23		2 15		1 26	8 26		21 34	0 40	3 32		21 33	0 32	0 40	1 27		6 56			23 45		
F 5	18 5	3n22	4 52		2 18		1 24	8 42		21 33	0 40	3 34		21 33	0 32	0 39	1 27						17 16	
S 6	18 21	8 55	5 6	24 24	2 21	11 27	1 23	8 57	0 44	21 31	0 40	3 36	2 18	21 33	0 32	0 38	1 27	25 10	6 57	22 38	22 29	23 42	17 15	6 0
S 7	18 37	14 14	5 3	24 38	2 23	11 53	1 22	9 11	0 44	21 29	0 40	3 39	2 19	21 33	0 32	0 38	1 27	25 10	6 57	22 39	22 30	23 41	17 15	6 0
M 8	18 52			24 51	2 25		1 20	9 26		21 27	0 40	3 41		21 33	0 32	0 37	1 27		6 57			23 40		6 0
T 9	19 7	22 34	-	25 2	2 27		1 19	9 41	0 43	21 25	0 40	3 43		21 33	0 32	0 37	1 27	25 11	6 58			23 38		6 1
W10		24 46		25 12			1 18	9 56		21 23	0 40	3 45		21 34	0 32		1 27					23 37		6 1
T 11		25 13		25 21	2 28		1 16	10 11		21 21	0 40	3 48		21 34				25 11				23 35		6 1
F 12		23 51		25 28	2 28			10 25		21 19	0 40	3 50		21 34	0 32		1 27					23 34		6 2
S 13	20 2	20 52	0 s44	25 33	2 27	14 26	1 13	10 40	0 41	21 17	0 40	3 52	2 19	21 34	0 32	0 35	1 27	25 12	6 59	22 43	22 32	23 33	17 12	6 2
S 14	20 15	16 38	1 59	25 37	2 26	14 51	1 11	10 54	0 41	21 15	0 40	3 54	2 20	21 35	0 32	0 34	1 28	25 12	6 59	22 42	22 33	23 31	17 11	6 2
M15	20 28	11 33	3 5	25 40	2 23	15 15	1 9	11 9	0 41	21 12	0 40	3 56	2 20	21 35	0 32	0 34	1 28	25 13	6 59	22 42	22 33	23 30	17 11	6 2
T 16	20 40	5 59	3 59	25 41	2 20	15 38	1 7	11 23	0 40	21 10	0 40	3 58	2 20	21 35	0 32	0 33	1 28	25 13	6 59	22 42	22 33	23 28	17 10	6 3
W17	20 52	0 16	4 39	25 40	2 17	16 1	1 6	11 37	0 40	21 8	0 40	4 0	2 20	21 35	0 32	0 33	1 28	25 14	7 0	22 42	22 34	23 27	17 9	6 3
T 18	21 4	5 s 2 0	5 3	25 38	2 12	16 24	1 4	11 51	0 39	21 6	0 40	4 2	2 20	21 36	0 32	0 32	1 28	25 14	7 0	22 43	22 34	23 25	17 9	6 3
F 19	21 15	10 35	5 10	25 34	2 6	16 46	1 2	12 5	0 39	21 3	0 40	4 4	2 21	21 36	0 32	0 32	1 28	25 14	7 0	22 43	22 34	23 24	17 8	6 4
S 20	21 26	15 19	5 2	25 29	2 0	17 8	1 0	12 20	0 38	21 1	0 40	4 6	2 21	21 36	0 32	0 31	1 28	25 15	7 0	22 44	22 35	23 23	17 8	6 4
S 21	21 36	19 18	4 40	25 22	1 52	17 30	0 58	12 33	0 38	20 59	0 40	4 8	2 21	21 36	0 32	0 31	1 28	25 15	7 1	22 45	22 35	23 21	17 7	6 4
M22	21 46	22 22	4 4	25 13	1 43	17 51	0 56	12 47	0 37	20 56	0 40	4 10	2 21	21 37	0 32	0 30	1 28	25 15	7 1	22 45	22 36	23 20	17 7	6 4
T 23	21 55	24 22	3 18	25 3	1 33	18 11	0 54	13 1	0 37	20 54	0 40	4 12	2 21	21 37	0 32	0 30	1 28	25 16	7 1	22 46	22 36	23 18	17 7	6 4
W24	22 4	25 13	2 24	24 52	1 21	18 31	0 52	13 15	0 36	20 52	0 40	4 14	2 22	21 37	0 32	0 30	1 28	25 16	7 1	22 47	22 36	23 17	17 6	6 5
T 25	22 13	24 53	1 23	24 39	1 8	18 51	0 50	13 28	0 36	20 49	0 40	4 16	2 22	21 38	0 32	0 29	1 28	25 17	7 2	22 47	22 37	23 15	17 6	6 5
F 26	22 21	23 25	0 19	24 25	0 54	19 10	0 47	13 42	0 35	20 47	0 40	4 17	2 22	21 38	0 32	0 29	1 28	25 17	7 2	22 47	22 37	23 14	17 5	6 5
S 27	22 29	20 56	0n45	24 9	0 39	19 28	0 45	13 55	0 35	20 44	0 40	4 19	2 22	21 38	0 32	0 29	1 28	25 17	7 2	22 47	22 37	23 12	17 5	6 5
S 28	22 36	17 35	1 48	23 52	0 22	19 46	0 43	14 9	0 34	20 41	0 40	4 21	2 22	21 39	0 32	0 28	1 28	25 18	7 2	22 47	22 38	23 11	17 4	6 5
M29		13 30		23 34	0 4			14 22		20 39	0 40	4 23		21 39	0 32			25 18	7 3			23 9		6 6
T 30	22 s49			23 s15		20 s20	-	14 s35		20s36		4 s24		21n39			-	25n19					17n 3	

Julian Day Number = 2251339.5, Delta T = 06m26s

Ecliptic obliquity = 23°30'40, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 17°05'34, Lahiri = 16°12'34 Julian Calendar 1 Nov. 1451 == Greg. Calendar 10 Nov. 1451

DECEMBER 1451 JC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	卉	Р	S.	Ω	Ç	ķ	Day
W 1	5 12 6	17 <b>.7</b> 29'57	9 <b>)</b> 57	27°R53	4 <b>√</b> 59	11 <b>M</b> 29	1≈23	16₽50	25°R21	2 <b>₽</b> 15	7°R16	14ට 1	15 <b>る</b> 9	12 <b>石</b> 48	19°R58	W 1
T 2	5 16 3	18°31'03	22°27	26 <b>×</b> 753	6°15	12° 9	1°35	16°54	25919	2°16	7 <b>Ω</b> 15	14°R 1	15° 6	12°55	19 <b>Ⅱ</b> 54	T 2
F 3	5 19 59	19°32'10	5 <b>Υ</b> 20	25°45	7°30	12°50	1°48	16°59	25°17	2°16	7°14	14° 0	15° 3	13° 2	19°50	F 3
S 4	5 23 56	20°33'17	18°38	24°29	8°46	13°30	2° 0	17° 3	25°15	2°17	7°13	13°58	15° 0	13° 8	19°46	S 4
S 5	5 27 52	21°34'24	2 <b>8</b> 25	23° 8	10° 1	14°10	2°12	17° 8	25°13	2°18	7°12	13°55	14°57	13°15	19°42	S 5
M 6	5 31 49	22°35'32	16°40	21°46	11°17	14°51	2°25	17°12	25°11	2°19	7°11	13°52	14°54	13°21	19°39	M 6
T 7	5 35 45	23°36'40	1 <b>Ⅱ</b> 21	20°24	12°32	15°31	2°38	17°16	25° 9	2°19	7°10	13°49	14°50	13°28	19°35	T 7
W 8	5 39 42	24°37'48	16°20	19° 5	13°47	16°12	2°50	17°21	25° 7	2°20	7°10	13°47	14°47	13°35	19°31	W 8
T 9	5 43 39	25°38'57	19529	17°52	15° 3	16°52	3° 3	17°25	25° 5	2°20	7° 9	13°45	14°44	13°41	19°27	T 9
F 10	5 47 35	26°40'05	16°40	16°47	16°18	17°33	3°16	17°29	25° 2	2°21	7° 8	13°D45	14°41	13°48	19°23	F 10
S 11	5 51 32	27°41'15	1 <b>Ω</b> 43	15°51	17°34	18°13	3°29	17°33	25° 0	2°22	7° 7	13°46	14°38	13°55	19°19	S 11
S 12	5 55 28	28°42'24	16°29	15° 5	18°49	18°54	3°42	17°37	24°58	2°22	7° 5	13°47	14°34	14° 1	19°15	S 12
M13	5 59 25	29°43'34	0 <b>m</b> 53	14°30	20° 5	19°35	3°55	17°40	24°56	2°23	7° 4	13°48	14°31	14° 8	19°11	M13
T 14	6 3 21	0 <b>궁</b> 44'44	14°54	14° 5	21°20	20°15	4° 8	17°44	24°53	2°23	7° 3	13°49	14°28	14°15	19° 7	T 14
W15	6 7 18	1°45'55	28°30	13°50	22°36	20°56	4°21	17°48	24°51	2°23	7° 2	13°R49	14°25	14°21	19° 4	W15
T 16	6 11 14	2°47'06	11 <b>≏</b> 42	13°D46	23°51	21°37	4°34	17°51	24°49	2°24	7° 1	13°49	14°22	14°28	19° 0	T 16
F 17	6 15 11	3°48'17	24°34	13°50	25° 7	22°17	4°47	17°55	24°46	2°24	7° 0	13°48	14°19	14°35	18°56	F 17
S 18	6 19 8	4°49'29	7 <b>M</b> 8	14° 3	26°22	22°58	5° 1	17°58	24°44	2°24	6°59	13°47	14°15	14°41	18°52	S 18
S 19	6 23 4	5°50'41	19°27	14°24	27°38	23°39	5°14	18° 1	24°42	2°25	6°58	13°46	14°12	14°48	18°49	S 19
M20	6 27 1	6°51'53	1 <b>₹</b> 35	14°51	2 <u>8</u> °53	24°20	5°28	18° 4	24°39	2°25	6°57	13°45	14° 9	14°55	18°45	M20
T 21	6 30 57	7°53'05	13°34	15°25	0중 9	25° 0	5°41	18° 7	24°37	2°25	6°55	13°44	14° 6	15° 1	18°41	T 21
W22	6 34 54	8°54'17	25°27	16° 5	1°24	25°41	5°55	18°10	24°34	2°25	6°54	13°44	14° 3	15° 8	18°38	W22
T 23	6 38 50	9°55'29	7 <b>궁</b> 16	16°50	2°40	26°22	6° 8	18°13	24°32	2°25	6°53	13°44	14° 0	15°14	18°34	T 23
F 24	6 42 47	10°56'40	19° 4	17°39	3°55	27° 3	6°22	18°16	24°29	2°25	6°52	13°D44	13°56	15°21	18°31	F 24
S 25	6 46 43	11°57'52	0≈51	18°33	5°11	27°44	6°36	18°19	24°27	2°26	6°50	13°44	13°53	15°28	18°27	S 25
S 26	6 50 40	12°59'03	12°41	19°30	6°26	28°25	6°49	18°21	24°24	2°R26	6°49	13°44	13°50	15°34	18°24	S 26
M27	6 54 37	14° 0'13	24°36	20°31	7°41	29° 6	7° 3	18°24	24°22	2°26	6°48	13°R44	13°47	15°41	18°20	M27
T 28	6 58 33	15° 1'23	6 <b>∺</b> 39	21°34	8°57	29°47	7°17	18°26	24°19	2°25	6°47	13°44	13°44	15°48	18°17	T 28
W29	7 2 30	16° 2'32	18°53	22°40	10°12	0 <b>,</b> ₹28	7°31	18°28	24°16	2°25	6°45	13°43	13°40	15°54	18°13	W29
T 30	7 6 26	1 <u>7</u> ° 3'40	1 <b>Υ</b> 23	23°48	1 <u>1°</u> 28	1° 9	7°45	18°30	24°14	2°25	6°44	13°43	1 <u>3°</u> 37	1 <u>6°</u> 1	18°10	T 30
F 31	7 10 23	18궁 4'48	14 <b>Y</b> 11	24 <b>×</b> 759	12 <b>る</b> 43	1 <b>₹</b> 50	7 <b>≈</b> 58	18 <b>≏</b> 32	249511	2 <b>≏</b> 25	$6\Omega43$	13°D43	13 <b>る</b> 34	16 <b>궁</b> 8	18 <b>I</b> 7	F 31

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W 1	22 s55	3 s49	4n21	22 s54	0n35	20s36	0n36	14 s48	0n33	20 s33	0 s40	4 s26	2n23	21n40	0n32	0n27	1n28	25n19	7n 3	22 s46	22 s39	23 s 6	17n 3	6s 6
T 2	23 1	1n29		22 33	0 55		0 34	-		20 31	0 40	4 27		21 40		0 27	1 28		7 3		22 39			6 6
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S 4	23 10	12 10	5 14	21 49	1 35	21 21	0 29	15 26	0 31	20 25	0 40	4 30	2 24	21 41	0 33	0 27	1 29	25 20	7 4	22 47	22 40	23 2	17 2	6 6
S 5	23 15	17 1	4 59	21 27	1 53	21 35	0 27	15 39	0 31	20 22	0 40	4 32		21 41	0 33	0 26	1 29	-	7 4		22 40		17 1	6 6
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T 14	23 31	1 42	4 38			23 9	0 5		0 26		0 40	4 44		21 45	0 33	0 25	1 29		7 6		22 43			6 7
W15 T 16	23 30 23 29	4s 5 9 30	5 6	19 29 19 32	3 4 3 1	23 16 23 22	0 2		0 25 0 25		0 40 0 40	4 45	2 26 2 27		0 33	0 25	1 29 1 29		7 6 7 6	,	22 44	22 44		6 7
F 17	23 29			19 32	2 56	-		17 49	0 23		0 40	4 46 4 47	2 27			0 25 0 24	1 29		7 6		22 44			6 7 6 7
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W22	23 17			20 13	2 20			18 54		19 33	0 40	4 51		21 48	0 33	0 24	1 30		7 7				16 56	6 6
T 23		23 54		20 28	2 12		0 17			19 27	0 40	4 53		21 49		0 24	1 30	25 29	7 7				16 56	6 6
F 24		21 40		20 54	2 3			19 14	-	19 23	0 40	4 54	-	21 50		0 24	1 30		7 8				16 56	6 6
S 25	22 58		1 34					19 24		19 20	0 40	4 54		21 50		0 24	1 30		7 8				16 56	6 6
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M27	22 33			21 21	1 45			19 43		19 17	0 40	4 56		21 51	0 33		1 30		7 8		22 47			6 6
T 28	22 40	5 10		21 48	1 26			19 53		19 10	0 40	4 56		21 52			1 30		7 8		22 48			6 6
W29	22 33	0n 1	4 49		1 17		0 31		0 17		0 41	4 57		21 52				25 32	7 8		22 48			6 6
T 30	22 25	5 18		22 14				20 11	0 16		0 41	4 58		21 52				25 33	7 9		22 49			6 5
F 31		10n29		22 s26		23 s29		20 s20		18s59	0 s41	4s58		21n53				25n33	7n 9		22 s49			6s 5

Julian Day Number = 2251369.5, Delta T = 06m26s

Ecliptic obliquity =  $23^{\circ}30'40$ , Nutation =  $0^{\circ}00'16$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley =  $17^{\circ}05'38$ , Lahiri =  $16^{\circ}12'38$  Julian Calendar 1 Dec. 1451 == Greg. Calendar 10 Dec. 1451