

# Astrodienst Ephemeris Tables for the year 1581

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 1581 JC 00:00 UT

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Day	Sid.t	0	D	ğ	P	ď	4	ħ	)મું(	卉	Р	ស	ນ	Ç	ķ	Day
S 1	7 21 13	20 <b>ට</b> 48'14	23M 8	9≈31	5 <b>₹</b> 24	28 <b>8</b> 59	1 <b>云</b> 27	16≈ 2	13≈46	14°R21	1 <b>Y</b> 52	7°R34	8≈25	15 <b>Ω</b> 27	2 <b>Υ</b> 50	S 1
M 2	7 25 10	21°49'22	6 <b>₹</b> 59	10°17	6°32	29° 5	1°41	16° 9	13°49	149520	1°53	7≈32	8°22	15°34	2°51	M 2
T 3	7 29 6	22°50'29	21°18	10°55	7°40	29°12	1°54	16°15	13°52	14°18	1°53	7°30	8°18	15°41	2°53	T 3
W 4	7 33 3	23°51'36	6 <b>궁</b> 0	11°24	8°48	29°19	2° 8	16°22	13°56	14°16	1°54	7°28	8°15	15°47	2°55	W 4
T 5	7 36 59	24°52'42	21° 0	11°42	9°57	29°27	2°21	16°29	13°59	14°15	1°55	7°27	8°12	15°54	2°56	T 5
F 6	7 40 56	25°53'48	6≈ 8	11°R50	11° 5	29°36	2°34	16°36	14° 2	14°13	1°56	7°D27	8° 9	16° 1	2°58	F 6
S 7	7 44 53	26°54'53	21°15	11°46	12°14	29°46	2°47	16°43	14° 6	14°11	1°56	7°27	8° 6	16° 7	3° 0	S 7
S 8	7 48 49	27°55'56	6 <b>∺</b> 13	11°31	13°23	29°56	3° 1	16°50	14° 9	14°10	1°57	7°28	8° 3	16°14	3° 2	S 8
M 9	7 52 46	28°56'59	20°55	11° 4	14°32	0 <b>I</b> 7	3°14	16°57	14°12	14° 8	1°58	7°29	7°59	16°21	3° 4	M 9
T 10	7 56 42	29°58'00	5 <b>Υ</b> 14	10°27	15°41	0°18	3°27	17° 4	14°16	14° 6	1°58	7°29	7°56	16°27	3° 6	T 10
W11	8 0 39	0≈59'00	19°10	9°39	16°50	0°30	3°40	17°11	14°19	14° 5	1°59	7°30	7°53	16°34	3° 8	W11
T 12	8 4 35	2° 0'00	2841	8°42	17°59	0°42	3°53	17°18	14°23	14° 3	2° 0	7°R30	7°50	16°41	3°10	T 12
F 13	8 8 32	3° 0'57	15°50	7°38	19° 9	0°55	4° 6	17°25	14°26	14° 2	2° 1	7°30	7°47	16°47	3°12	F 13
S 14	8 12 28	4° 1'54	28°39	6°28	20°18	1° 9	4°19	17°32	14°30	14° 0	2° 2	7°30	7°44	16°54	3°15	S 14
S 15	8 16 25	5° 2'49	11 <b>II</b> 10	5°15	21°28	1°23	4°32	17°39	14°33	13°58	2° 3	7°29	7°40	17° 1	3°17	S 15
M16	8 20 22	6° 3'44	23°28	4° 0	22°38	1°37	4°45	17°46	14°36	13°57	2° 4	7°29	7°37	17° 7	3°19	M16
T 17	8 24 18	7° 4'36	5935	2°47	23°48	1°52	4°57	17°53	14°40	13°55	2° 4	7°D29	7°34	17°14	3°21	T 17
W18	8 28 15	8° 5'28	17°34	1°36	24°58	2° 8	5°10	18° 1	14°43	13°54	2° 5	7°29	7°31	17°20	3°24	W18
T 19	8 32 11	9° 6'18	29°27	<u>0°30</u>	26° 8	2°24	5°23	18° 8	14°47	13°52	2° 6	7°29	7°28	17°27	3°26	T 19
F 20	8 36 8	10° 7'07	11 <b>Ω</b> 16	29 <b>궁</b> 30	27°18	2°40	5°35	18°15	14°50	13°51	2° 7	7°R29	7°24	17°34	3°29	F 20
S 21	8 40 4	11° 7'55	23° 4	28°37	28°28	2°57	5°48	18°22	14°54	13°49	2° 8	7°29	7°21	17°40	3°31	S 21
S 22	8 44 1	12° 8'42	4 <b>m</b> 53	27°51	2 <u>9</u> °39	3°15	6° 0	18°29	14°57	13°48	2° 9	7°28	7°18	17°47	3°34	S 22
M23	8 47 58	13° 9'27	16°44	27°14	0 <b>궁</b> 49	3°33	6°13	18°36	15° 1	13°46	2°10	7°28	7°15	17°54	3°36	M23
T 24	8 51 54	14°10'11	28°41	26°45	2° 0	3°51	6°25	18°44	15° 4	13°45	2°11	7°27	7°12	18° 0	3°39	T 24
W25	8 55 51	15°10'54	10 <b>≏</b> 47	26°24	3°11	4° 9	6°37	18°51	15° 8	13°44	2°12	7°26	7° 9	18° 7	3°42	W25
T 26	8 59 47	16°11'36	23° 5	26°11	4°21	4°28	6°50	18°58	15°11	13°42	2°14	7°25	7° 5	18°14	3°44	T 26
F 27	9 3 44	17°12'17	5 <b>M</b> .38	26°D 6	5°32	4°48	7° 2	19° 5	15°15	13°41	2°15	7°24	7° 2	18°20	3°47	F 27
S 28	9 7 40	18°12'56	18°30	26° 8	6°43	5° 8	7°14	19°13	15°18	13°39	2°16	7°D24	6°59	18°27	3°50	S 28
S 29	9 11 37	19°13'35	1 <b>∡</b> 745	26°17	7°54	5°28	7°26	19°20	15°22	13°38	2°17	7°24	6°56	18°34	3°53	S 29
M30	9 15 33	20°14'12	15°24	26°33	9° 5	5°48	7°38	19°27	15°25	13°37	2°18	7°25	6°53	18°40	3°56	M30
T 31	9 19 30	21≈14'49	29 <b>×</b> 30	26 <b>궁</b> 54	10 <b>궁</b> 16	6 <b>I</b> 9	7 <b>云</b> 50	19 <b>≈</b> 34	15≈29	13936	2 <b>Υ</b> 19	7≈26	6≈50	18 <b>Ω</b> 47	3 <b>Ƴ</b> 59	T 31

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	decl	decl lat	decl lat	t decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl	decl lat
S 1 M 2 T 3 W 4 T 5 F 6 S 7 S 8 M 9 T 10 W11 T 12	21 43 21 33 21 23	26 3 4 36 27 1 3 49 26 7 2 46 23 20 1 30 18 54 0 7 13 15 1n16 6 53 2 33 0 16 3 39 6n12 4 29 12 10 5 2	17 38 0 17 12 0 16 48 0 16 26 0 16 7 1 15 50 1 15 37 1 15 27 2 15 21 2 15 18 2	On 5 18 40 2 49 O 21 18 54 2 47 O 38 19 6 2 45 O 55 19 19 2 43 I 13 19 31 2 40 I 31 19 42 2 38 I 49 19 53 2 35 C 7 20 4 2 33 C 25 20 14 2 30 C 41 20 24 2 27	22 28 2 32 22 29 2 32 22 31 2 31 22 33 2 31 22 34 2 31 22 36 2 31 22 38 2 31 22 40 2 36 22 42 2 36 22 45 2 36	23 19 0 10 23 19 0 10	17 5 1 6 17 3 1 6 17 1 1 6 16 59 1 6 16 57 1 6 16 55 1 6 16 53 1 6 16 51 1 6 16 48 1 6 16 46 1 6	17 21 0 39 17 20 0 39 17 19 0 39 17 18 0 39 17 17 0 39 17 16 0 39 17 15 0 39 17 14 0 39 17 13 0 39 17 12 0 39	22 1 0 43 22 2 0 43	14 33 16 43 14 33 16 43 14 32 16 43 14 32 16 42 14 31 16 42 14 30 16 42 14 30 16 41 14 29 16 41 14 29 16 41	18 26 18 1 18 26 18 1 18 27 18 1 18 26 18 2 18 26 18 2	3 15 35 4 15 32 5 15 30 5 15 27 6 15 24 7 15 21 8 15 18 9 15 16 0 15 13 0 15 10	3 20 2 21 3 21 2 21 3 21 2 21 3 22 2 21 3 22 2 21 3 23 2 20
F 13 S 14 S 15 M16 T 17 W18 T 19 F 20	19 32 19 18 19 3 18 48 18 33 18 17	21 38 5 15 24 43 4 57 26 32 4 25 27 1 3 41 26 11 2 48 24 8 1 49 21 2 0 45	15 22 3 15 29 3 15 38 3 15 50 3 16 3 3 16 17 3 16 32 3	3 9 20 42 2 22 3 19 20 50 2 19	22 50 2 29 22 52 2 29 22 55 2 29 22 57 2 28 23 0 2 28 23 3 2 28 23 6 2 27	23 17 0 9 23 17 0 9 23 17 0 9 23 16 0 8 23 16 0 8 23 15 0 8	16 42 1 6 16 40 1 6 16 38 1 6 16 36 1 6 16 33 1 6 16 31 1 6 16 29 1 6	17 10 0 39 17 9 0 39 17 8 0 39 17 7 0 39 17 6 0 39 17 5 0 39 17 4 0 39	22 3 0 43 22 4 0 43	14 27 16 40 14 26 16 39 14 26 16 39 14 25 16 39 14 24 16 38 14 24 16 38 14 23 16 38	18 26 18 2 18 26 18 2 18 27 18 2	2 15 4 3 15 1 4 14 59 4 14 56 5 14 53 6 14 50 7 14 47	3 25 2 20 3 26 2 20 3 26 2 20 3 27 2 19 3 28 2 19
S 21 S 22 M23 T 24 W25 T 26 F 27 S 28 S 29	17 28 17 12 16 54 16 37 16 19 16 1 15 43 15 24	12 31 1 26 7 28 2 27 2 9 3 21 3 s16 4 8 8 38 4 44 13 45 5 8 18 24 5 17 22 21 5 11	17 3 3 17 19 3 17 34 3 17 49 3 18 3 2 18 16 2 18 28 2 18 39 2 18 49 2	3 30 21 33 1 57 3 23 21 36 1 53 3 15 21 40 1 53 3 6 21 42 1 46 2 56 21 44 1 43 2 45 21 46 1 40 2 33 21 47 1 36 2 21 21 47 1 32 2 9 21 47 1 29	23 12 2 26 23 15 2 26 23 18 2 26 23 21 2 25 23 24 2 25 23 27 2 24 23 30 2 24 23 33 2 23 23 37 2 23	23 14 0 8 23 14 0 8 23 13 0 8 23 13 0 8 23 12 0 8 23 12 0 8 23 12 0 7 23 10 0 7	16 25 1 7 16 23 1 7 16 20 1 7 16 18 1 7 16 16 1 7 16 14 1 7 16 12 1 7 16 9 1 7	17 2 0 39 17 1 0 39	22 4 0 43 22 4 0 43 22 4 0 43 22 4 0 43 22 5 0 43 22 5 0 43 22 5 0 43 22 5 0 43	14 22 16 37 14 21 16 37 14 21 16 37 14 20 16 37 14 19 16 36 14 19 16 36 14 18 16 36 14 17 16 35	18 27 18 2 18 27 18 3 18 27 18 3 18 27 18 3 18 27 18 3 18 28 18 3 18 28 18 3	9 14 42 9 14 39 0 14 36 1 14 33 2 14 30 3 14 27 3 14 24 4 14 21	3 31 2 18 3 32 2 18 3 33 2 18 3 34 2 18 3 35 2 18 3 36 2 18 3 37 2 17 3 38 2 17
M30 T 31					23 40 2 23 23n43 2n22	23 9 0 7 23s 9 0n 7		16 53 0 39 16 s52 0 s39	22 5 0 43 22n 6 0 s43				3 40 2 17 3n41 2n17

Julian Day Number = 2298518.5, Delta T = 118.23 sec

Ecliptic obliquity =  $23^{\circ}29'43$ , Nutation =  $0^{\circ}00'14$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'36, Lahiri = 18°00'36 Julian Calendar 1 Jan. 1581 == Greg. Calendar 11 Jan. 1581

FEBRUARY 1581 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ф(	卉	Р	ß	Ω	Ç	ķ	Day
W 1	9 23 27	22≈15'24	14ට 1	27ਰ21	11 <b>る</b> 28	6Д30	8ට 1	19≈41	15≈32	13°R34	2 <b>Υ</b> 20	7≈27	6≈46	18 <b>Ω</b> 54	<b>4Υ</b> 1	W 1
T 2	9 27 23	23°15'57	28°54	27°53	12°39	6°52	8°13	19°49	15°35	13933	2°21	7°28	6°43	19° 0	4° 4	T 2
F 3	9 31 20	24°16'29	14≈ 2	28°29	13°50	7°14	8°25	19°56	15°39	13°32	2°23	7°R28	6°40	19° 7	4° 7	F 3
S 4	9 35 16	25°17'00	29°16	29°10	15° 2	7°36	8°36	20° 3	15°42	13°31	2°24	7°27	6°37	19°14	4°10	S 4
S 5	9 39 13	26°17'29	14 <b>)</b> 26	29°55	16°13	7°59	8°48	20°10	15°46	13°30	2°25	7°25	6°34	19°20	4°13	S 5
M 6	9 43 9	27°17'56	29°24	0≈44	17°25	8°22	8°59	20°18	15°49	13°28	2°26	7°23	6°30	19°27	4°17	M 6
T 7	9 47 6	28°18'21	14 <b>Y</b> 0	1°36	18°36	8°45	9°11	20°25	15°53	13°27	2°28	7°20	6°27	19°33	4°20	T 7
W 8	9 51 2	29°18'44	28°10	2°31	19°48	9° 8	9°22	20°32	15°56	13°26	2°29	7°17	6°24	19°40	4°23	W 8
T 9	9 54 59	0 <b>∺</b> 19'05	11852	3°29	21° 0	9°32	9°33	20°39	16° 0	13°25	2°30	7°15	6°21	19°47	4°26	T 9
F 10	9 58 56	1°19'25	25° 6	4°30	22°11	9°56	9°44	20°46	16° 3	13°24	2°31	7°14	6°18	19°53	4°29	F 10
S 11	10 2 52	2°19'42	7 <b>II</b> 56	5°33	23°23	10°20	9°55	20°53	16° 6	13°23	2°33	7°D14	6°15	20° 0	4°32	S 11
S 12	10 649	3°19'57	20°24	6°39	24°35	10°45	10° 6	21° 1	16°10	13°22	2°34	7°15	6°11	20° 7	4°36	S 12
M13	10 10 45	4°20'11	2936	7°47	25°47	11°10	10°16	21° 8	16°13	13°21	2°35	7°17	6°8	20°13	4°39	M13
T 14	10 14 42	5°20'22	14°35	8°57	26°59	11°35	10°27	21°15	16°16	13°20	2°37	7°18	6° 5	20°20	4°42	T 14
W15	10 18 38	6°20'31	26°27	10° 9	28°11	12° 0	10°38	21°22	16°20	13°19	2°38	7°20	6° 2	20°27	4°46	W15
T 16	10 22 35	7°20'38	8 <b>Ω</b> 14	11°22	29°23	12°26	10°48	21°29	16°23	13°18	2°39	7°R20	5°59	20°33	4°49	T 16
F 17	10 26 31	8°20'43	20° 1	12°38	0≈35	12°52	10°59	21°36	16°26	13°18	2°41	7°20	5°56	20°40	4°52	F 17
S 18	10 30 28	9°20'46	1 <b>m</b> 50	13°55	1°47	13°18	11° 9	21°43	16°30	13°17	2°42	7°17	5°52	20°47	4°56	S 18
S 19	10 34 25	10°20'47	13°44	15°14	2°59	13°44	11°19	21°50	16°33	13°16	2°43	7°13	5°49	20°53	4°59	S 19
M20	10 38 21	11°20'46	25°43	16°35	4°11	14°10	11°29	21°57	16°36	13°15	2°45	7° 7	5°46	21° 0	5° 3	M20
T 21	10 42 18	12°20'44	7 <b>≙</b> 50	17°57	5°23	14°37	11°39	22° 4	16°39	13°15	2°46	7° 1	5°43	21° 7	5° 6	T 21
W22	10 46 14	13°20'39	20° 6	19°20	6°35	15° 4	11°49	22°11	16°43	13°14	2°47	6°54	5°40	21°13	5° 9	W22
T 23	10 50 11	14°20'33	2 <b>M</b> 33	20°45	7°48	15°31	11°59	22°18	16°46	13°13	2°49	6°48	5°36	21°20	5°13	T 23
F 24	10 54 7	15°20'25	15°13	22°11	9° 0	15°58	12° 8	22°24	16°49	13°13	2°50	6°43	5°33	21°26	5°16	F 24
S 25	10 58 4	16°20'15	28° 7	23°38	10°12	16°26	12°18	22°31	16°52	13°12	2°52	6°40	5°30	21°33	5°20	S 25
S 26	11 2 0	17°20'04	11 <b>,7</b> 19	25° 7	11°25	16°54	12°27	22°38	16°55	13°11	2°53	6°38	5°27	21°40	5°24	S 26
M27	11 5 57	18°19'51	24°50	26°37	12°37	17°21	12°36	22°45	16°58	13°11	2°55	6°D38	5°24	21°46	5°27	M27
T 28	11 9 53	19 <b>米</b> 19'36	8 <b>국</b> 42	28≈ 9	13 <b>≈</b> 49	17 <b>Ⅱ</b> 49	12 <b>る</b> 45	22≈52	17≈ 1	139510	2 <b>Υ</b> 56	6≈39	5≈21	21 <b>£</b> 53	5 <b>Υ</b> 31	T 28

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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
W 1 T 2 F 3 S 4	14s 8 13 48 13 28 13 7	21 12 0 47 16 5 0n36	19 19 1 2 19 23 1	33 21 s42 1n18 2 21 21 39 1 14 2 9 21 36 1 11 2 57 21 32 1 7	23 50 2 21	23 7 0 7	15 58 1 7 15 56 1 7	16 s 5 1 0 s 3 9 16 5 0 0 3 9 16 4 9 0 3 9 16 4 8 0 3 9	22 6 0 42	14 14 16 34 14 13 16 34	18 27 18 27	18 38 18 39	14 7 14 4	3n42 2n17 3 43 2 17 3 44 2 16 3 45 2 16
S 5 M 6 T 7	12 47 12 26 12 5	3n34 4 9 9 59 4 50	19 29 0 3 19 28 0 2	35 21 22 1 0 2 24 21 16 0 56		23 5 0 7 23 4 0 7	15 49 1 8 15 47 1 8		22 7 0 42 22 7 0 42	14 11 16 33	18 28 18 29	18 41 18 42	13 56 13 53	3 46 2 16 3 47 2 16 3 48 2 16
W 8 T 9 F 10 S 11	11 23	20 25 5 14 23 56 5 0	19 23 0 19 18 0s	13 21 10 0 52 1 3 21 3 0 49 1 7 20 55 0 45 1 17 20 47 0 42	24 12 2 18 24 15 2 17	23 3 0 6 23 2 0 6	15 43 1 8 15 41 1 8	16 43 0 39 16 42 0 39 16 41 0 39 16 40 0 39	22 7 0 42 22 7 0 42	14 9 16 33	18 30 18 30	18 44 18 45	13 47 13 44	3 49 2 16 3 50 2 16 3 51 2 15 3 53 2 15
S 12 M13 T 14 W15 T 16 F 17	9 57 9 35 9 12 8 50	24 43 2 2 21 53 1 0 18 10 0s 5	18 56 0 3 18 46 0 4 18 35 0 5 18 22 1		24 24 2 16 24 27 2 15 24 30 2 15 24 33 2 14		15 34 1 8 15 32 1 8 15 30 1 8 15 27 1 8	16 39 0 40 16 38 0 40 16 37 0 40 16 36 0 40 16 36 0 40 16 35 0 40	22 7 0 42 22 8 0 42 22 8 0 42 22 8 0 42	14 7 16 32 14 6 16 32 14 5 16 32 14 5 16 32	18 30 18 29 18 29 18 29	18 47 18 48 18 49 18 49	13 35 13 32 13 29 13 26	3 54 2 15 3 55 2 15 3 56 2 15 3 57 2 15 3 59 2 15 4 0 2 14
S 18 S 19 M20 T 21 W22 T 23 F 24	6 11 5 47	3 33 3 6 1 s52 3 54 7 16 4 32 12 28 4 58 17 14 5 10 21 20 5 7	17 36 1 2 17 18 1 2 16 59 1 3 16 38 1 4 16 16 1 4 15 53 1 5	34 18 52 0 6 4 40 18 38 0 3 4 45 18 22 0s 1 5 5 0 18 7 0 4 5	24 42 2 13 24 44 2 12 24 47 2 12 24 50 2 11 24 52 2 11 24 55 2 10	22 55 0 5 22 55 0 5 22 54 0 5 22 53 0 5 22 52 0 5 22 51 0 5	15 21 1 9 15 19 1 9 15 16 1 9 15 14 1 9 15 12 1 9 15 10 1 9	16 30 0 40 16 29 0 40 16 28 0 40	22 8 0 42 22 8 0 42 22 8 0 42 22 8 0 42 22 9 0 42 22 9 0 42	14 3 16 31 14 2 16 31 14 1 16 31 14 1 16 31 14 0 16 31 13 59 16 31	18 31 18 32 18 34 18 35 18 37 18 38	18 52 18 52 18 53 18 54 18 55 18 56	13 18 13 15 13 12 13 9 13 6 13 3	4 1 2 14 4 2 2 14 4 4 2 14 4 5 2 14 4 6 2 14 4 7 2 14 4 9 2 14
S 25 S 26 M27 T 28	5 1 4 38	26 25 4 16 26 51 3 28	15 3 1 5 14 35 2	55 17 51 0 7 2 59 17 34 0 11 2 2 17 17 0 14 2 6 16s59 0s17 2	24 59 2 9 25 1 2 8	,	15 6 1 9 15 4 1 10	16 27 0 40 16 26 0 40 16 25 0 40 16 s24 0 s40	22 9 0 42 22 9 0 42	13 59 16 31 13 58 16 30 13 57 16 30 13 s57 16 s30	18 39 18 39	18 57 18 58	12 54	4 10 2 14 4 11 2 13 4 13 2 13 4n14 2n13

Julian Day Number = 2298549.5, Delta T = 118.09 sec
Ecliptic obliquity = 23°29'43, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°53'40, Lahiri = 18°00'40 Julian Calendar 1 Feb. 1581 == Greg. Calendar 11 Feb. 1581

MARCH 1581 JC 00:00 UT

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Day	Sid.t	0	)	ğ	φ	ď	4	ħ	)∤(	卉	Р	n	ນ	Ç	ķ	Day
W 1	11 13 50	20 <b>)</b> 19'20	22 <b>궁</b> 56	29≈42	15≈ 2	18 <b>II</b> 18	12 <b>る</b> 55	22≈58	17≈ 4	13°R10	2 <b>Y</b> 57	6≈40	5≈17	22 <b>N</b> 0	5 <b>Υ</b> 34	W 1
T 2	11 17 47	21°19'02	7≈31	1 <b>)</b> 16	16°14	18°46	13° 3	23° 5	17° 7	139510	2°59	6°R41	5°14	22° 6	5°38	T 2
F 3	11 21 43	22°18'42	22°22	2°51	17°27	19°15	13°12	23°12	17°10	13° 9	3° 0	6°40	5°11	22°13	5°41	F 3
S 4	11 25 40	23°18'20	7 <b>)</b> €24	4°28	18°39	19°43	13°21	23°18	17°13	13° 9	3° 2	6°37	5° 8	22°20	5°45	S 4
S 5	11 29 36	24°17'56	22°28	6° 5	19°52	20°12	13°29	23°25	17°16	13° 8	3° 3	6°32	5° 5	22°26	5°49	S 5
M 6	11 33 33	25°17'30	7 <b>Y</b> 25	7°45	21° 5	20°41	13°38	23°31	17°19	13° 8	3° 5	6°25	5° 2	22°33	5°52	M 6
T 7	11 37 29	26°17'02	22° 6	9°25	22°17	21°10	13°46	23°38	17°22	13° 8	3° 6	6°17	4°58	22°40	5°56	T 7
W 8	11 41 26	27°16'32	6 <b>8</b> 23	11° 7	23°30	21°40	13°54	23°44	17°25	13° 8	3° 8	6° 9	4°55	22°46	6° 0	W 8
T 9	11 45 22	28°15'59	20°14	12°50	24°42	22° 9	14° 2	23°51	17°28	13° 7	3° 9	6° 2	4°52	22°53	6° 3	T 9
F 10	11 49 19	29°15'24	3 <b>II</b> 35	14°34	25°55	22°39	14°10	23°57	17°31	13° 7	3°10	5°56	4°49	23° 0	6° 7	F 10
S 11	11 53 16	0 <b>Υ</b> 14'47	16°30	16°19	27° 8	23° 9	14°18	24° 3	17°34	13° 7	3°12	5°53	4°46	23° 6	6°11	S 11
S 12	11 57 12	1°14'08	29° 1	18° 6	28°20	23°39	14°25	24°10	17°36	13° 7	3°13	5°D52	4°42	23°13	6°14	S 12
M13	12 1 9	2°13'26	119913	19°55	29°33	24° 9	14°33	24°16	17°39	13° 7	3°15	5°53	4°39	23°20	6°18	M13
T 14	12 5 5	3°12'42	23°11	21°44	0 <b>)</b> 46	24°39	14°40	24°22	17°42	13°D 7	3°16	5°54	4°36	23°26	6°22	T 14
W15	12 9 2	4°11'56	5 <b>Ω</b> 1	23°35	1°58	25° 9	14°47	24°28	17°44	13° 7	3°18	5°R54	4°33	23°33	6°25	W15
T 16	12 12 58	5°11'07	16°47	25°28	3°11	25°40	14°54	24°34	17°47	13° 7	3°19	5°54	4°30	23°40	6°29	T 16
F 17	12 16 55	6°10'16	28°35	27°21	4°24	26°10	15° 1	24°40	17°50	13° 7	3°21	5°51	4°27	23°46	6°33	F 17
S 18	12 20 51	7° 9'23	10 <b>m</b> )27	29°17	5°37	26°41	15° 8	24°46	17°52	13° 7	3°22	5°46	4°23	23°53	6°37	S 18
S 19	12 24 48	8° 8'27	22°27	1 <b>Y</b> 13	6°49	27°12	15°14	24°52	17°55	13° 7	3°24	5°38	4°20	23°59	6°40	S 19
M20	12 28 45	9° 7'30	4 <b>≗</b> 37	3°11	8° 2	27°43	15°21	24°58	17°57	13° 7	3°25	5°28	4°17	24° 6	6°44	M20
T 21	12 32 41	10° 6'30	16°58	5°10	9°15	28°14	15°27	25° 4	18° 0	13° 8	3°27	5°16	4°14	24°13	6°48	T 21
W22	12 36 38	11° 5'28	29°30	7°10	10°28	28°45	15°33	25°10	18° 2	13° 8	3°28	5° 4	4°11	24°19	6°51	W22
T 23	12 40 34	12° 4'25	12 <b>M</b> 13	9°12	11°41	29°16	15°39	25°15	18° 4	13° 8	3°30	4°53	4° 7	24°26	6°55	T 23
F 24	12 44 31	13° 3'19	25° 9	11°15	12°54	29°47	15°45	25°21	18° 7	13° 8	3°31	4°43	4° 4	24°33	6°59	F 24
S 25	12 48 27	14° 2'12	8 <b>∡</b> 16	13°18	14° 6	09519	15°51	25°27	18° 9	13° 9	3°32	4°36	4° 1	24°39	7° 2	S 25
S 26	12 52 24	15° 1'03	21°36	15°23	15°19	0°50	15°56	25°32	18°11	13° 9	3°34	4°31	3°58	24°46	7° 6	S 26
M27	12 56 20	15°59'52	5 <b>ろ</b> 9	17°28	16°32	1°22	16° 1	25°38	18°14	13°10	3°35	4°29	3°55	24°53	7°10	M27
T 28	13 0 17	16°58'39	18°56	19°34	17°45	1°54	16° 7	25°43	18°16	13°10	3°37	4°D29	3°52	24°59	7°13	T 28
W29	13 4 14	17°57'25	2≈58	21°41	18°58	2°25	16°12	25°49	18°18	13°10	3°38	4°R29	3°48	25° 6	7°17	W29
T 30	13 8 10	18°56'09	17°14	23°47	20°11	2°57	16°16	25°54	18°20	13°11	3°40	4°29	3°45	25°13	7°21	T 30
F 31	13 12 7	19 <b>Ƴ</b> 54'52	1 <b>) (</b> 44	25 <b>Y</b> 54	21 <b>)</b> 24	39529	16 <b>ਰ</b> 21	25≈59	18 <b>≈</b> 22	139511	3 <b>Ƴ</b> 41	4≈26	3≈42	25 <b>Ω</b> 19	7 <b>Υ</b> 24	F 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	el decl	decl lat
W 1 T 2	3 s51 3 27		13 s37 2 s 13 5 2 1					16 s23 0 s40 16 22 0 40	22n 9 0s42 22 9 0 42			9 12n48 0 12 45	4n15 2n13 4 17 2 13
F 3 S 4	3 3 2 40	-	12 33 2 1 11 59 2 1		25 9 2 6	22 46 0 4 22 45 0 4		16 21 0 40 16 21 0 40				1 12 43 2 12 40	4 18 2 13 4 19 2 13
S 5 M 6 T 7	2 16 1 53 1 29	7 4 4 29		6 15 4 0 35			14 49 1 10	16 20 0 40 16 19 0 40 16 18 0 40	22 9 0 42	13 53 16 30	18 43 19	3 12 37 3 12 34 4 12 31	4 21 2 13 4 22 2 13 4 23 2 13
W 8 T 9 F 10 S 11	1 5 0 41 0 18 0n 6	22 37 4 58 25 23 4 33	8 51 2 1 8 9 2 1	6 14 0 0 43 5 13 38 0 46	25 20 2 3	22 42 0 4	14 43 1 11 14 41 1 11	16 16 0 40 16 15 0 40			18 49 19 18 50 19	5 12 28 6 12 25 6 12 22 7 12 19	4 25 2 12 4 26 2 12 4 27 2 12 4 29 2 12
S 12 M13 T 14 W15 T 16 F 17 S 18	0 30 0 53 1 17 1 40 2 4 2 27 2 51	25 10 2 9 22 37 1 8	5 58 2 5 12 2	8 12 30 0 54 5 12 6 0 56 1 11 42 0 59 7 11 18 1 1 2 10 54 1 3	25 23 2 1 25 24 2 1 25 24 2 0 25 25 2 0 25 25 1 59		14 35 1 11 14 33 1 11 14 31 1 11 14 29 1 12 14 27 1 12	16 13 0 40 16 12 0 40 16 11 0 40 16 11 0 40 16 10 0 40	22 10 0 41 22 10 0 41	13 48 16 30 13 48 16 30 13 47 16 30	18 51 19 18 51 19 18 50 19 1 18 51 19 1 18 51 19 1	1 12 4 2 12 1	4 32 2 12
S 19 M20 T 21 W22 T 23 F 24 S 25	3 14 3 37 4 1 4 24 4 47 5 10 5 33	20 18 5 0 23 41 4 44	3 28 1	5 9 39 1 9 8 9 13 1 11 1 8 47 1 13 3 8 21 1 15 5 7 55 1 17	25 26 1 58 25 26 1 57 25 26 1 57 25 26 1 56 25 25 1 56	22 35 0 3 22 34 0 3 22 33 0 2 22 33 0 2 22 32 0 2 22 32 0 2 22 31 0 2	14     22     1     12       14     20     1     12       14     18     1     12       14     16     1     13       14     15     1     13	16 8 0 40 16 7 0 40 16 6 0 40 16 5 0 40 16 5 0 40	22 10 0 41 22 10 0 41	13 45 16 30 13 44 16 30 13 44 16 30 13 43 16 30	18 57 19 1 19 0 19 1 19 3 19 1 19 5 19 1 19 8 19 1	-	4 40 2 12 4 41 2 12 4 43 2 11 4 44 2 11 4 46 2 11 4 47 2 11 4 48 2 11
S 26 M27 T 28 W29 T 30 F 31	5 56 6 18 6 41 7 4 7 26 7n48	25 53 2 29 23 30 1 22 19 40 0 8 14 38 1n 7	6 18 0 3 7 15 0 2	8 6 35 1 22 8 6 8 1 23 8 5 40 1 25 7 5 13 1 26	25 23 1 54 25 22 1 53 25 21 1 53 25 20 1 52	22 30 0 2 22 29 0 2 22 29 0 1	14     9     1     13       14     8     1     13       14     6     1     14       14     4     1     14	16 3 0 41 16 2 0 41 16 1 0 41 16 1 0 41	22 10 0 41 22 10 0 41 22 10 0 41 22 10 0 41	13 41 16 30 13 40 16 30	19 11 19 1 19 11 19 2 19 11 19 2 19 11 19 2	9 11 31 0 11 28 1 11 25 1 11 22	4 50 2 11 4 51 2 11 4 53 2 11 4 54 2 11 4 56 2 11 4n57 2n11

Julian Day Number = 2298577.5, Delta T = 117.95 sec

Ecliptic obliquity =  $23^{\circ}29'43$ , Nutation =  $0^{\circ}00'15$ , out-of-bounds declination in red

 $Ayanamsha: Fagan/Bradley = 18^{\circ}53'44, Lahiri = 18^{\circ}00'44 \ Julian \ Calendar \ 1 \ March \ 1581 == Greg. \ Calendar \ 11 \ March \ 1581 == 10^{\circ}00'44 \ March \$ 

APRIL 1581 JC 00:00 UT

VI 1/2	L 130.														00.0	0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)∤(	卉	Р	u	S	Ç	ķ	Day
S 1	13 16 3	20 <b>Υ</b> 53'32	16 <b>∺</b> 23	28 <b>Y</b> 0	22 <b>)</b> 37	495 2	16 <b>궁</b> 26	26≈ 4	18 <b>≈</b> 24	139512	<b>3</b> Υ42	4°R21	3≈39	25 <b>Ω</b> 26	7 <b>Υ</b> 28	S 1
S 2	13 20 0	21°52'11	1 <b>Υ</b> 7	08 5	23°50	4°34	16°30	26° 9	18°26	13°13	3°44	4≈14	3°36	25°33	7°31	S 2
M 3	13 23 56	22°50'48	15°46	2° 9	25° 3	5° 6	16°34	26°14	18°28	13°13	3°45	4° 4	3°33	25°39	7°35	M 3
T 4	13 27 53	23°49'23	0 <b>8</b> 15	4°12	26°16	5°38	16°38	26°19	18°30	13°14	3°47	3°52	3°29	25°46	7°39	T 4
W 5	13 31 49	24°47'56	14°26	6°14	27°29	6°11	16°42	26°24	18°32	13°15	3°48	3°41	3°26	25°53	7°42	W 5
T 6	13 35 46	25°46'27	28°13	8°13	28°42	6°43	16°45	26°29	18°34	13°15	3°49	3°30	3°23	25°59	7°46	T 6
F 7	13 39 43	26°44'56	11 <b>II</b> 35	10°10	29°55	7°16	16°49	26°34	18°36	13°16	3°51	3°21	3°20	26° 6	7°49	F 7
S 8	13 43 39	27°43'23	24°32	12° 5	1 <b>Y</b> 8	7°49	16°52	26°38	18°37	13°17	3°52	3°16	3°17	26°13	7°53	S 8
S 9	13 47 36	28°41'48	7 <b>9</b> 5	13°57	2°21	8°22	16°55	26°43	18°39	13°18	3°54	3°12	3°13	26°19	7°56	S 9
M10	13 51 32	29°40'10	19°19	15°45	3°34	8°54	16°58	26°48	18°41	13°19	3°55	3°11	3°10	26°26	8° 0	M10
T 11	13 55 29	0 <b>8</b> 38'31	1 <b>Q</b> 19	17°31	4°47	9°27	17° 1	26°52	18°42	13°20	3°56	3°11	3° 7	26°33	8° 3	T 11
W12	13 59 25	1°36'50	13°11	19°12	6° 0	10° 0	17° 3	26°56	18°44	13°20	3°58	3°10	3° 4	26°39	8° 7	W12
T 13	14 3 22	2°35'06	24°59	20°50	7°13	10°34	17° 6	27° 1	18°45	13°21	3°59	3° 9	3° 1	26°46	8°10	T 13
F 14	14 7 18	3°33'20	6 <b>m</b> /48	22°25	8°26	11° 7	17° 8	27° 5	18°47	13°22	4° 0	3° 6	2°58	26°53	8°14	F 14
S 15	14 11 15	4°31'32	18°45	23°55	9°39	11°40	17°10	27° 9	18°48	13°23	4° 2	3° 0	2°54	26°59	8°17	S 15
S 16	14 15 11	5°29'43	0 <b>ჲ</b> 52	25°21	10°52	12°13	17°12	27°13	18°50	13°24	4° 3	2°52	2°51	27° 6	8°20	S 16
M17	14 19 8	6°27'51	13°11	26°43	12° 5	12°47	17°13	27°17	18°51	13°25	4° 4	2°41	2°48	27°12	8°24	M17
T 18	14 23 5	7°25'57	25°46	28° 0	13°18	13°20	17°15	27°21	18°52	13°27	4° 5	2°29	2°45	27°19	8°27	T 18
W19	14 27 1	8°24'02	8 <b>M</b> .35	29°14	14°31	13°54	17°16	27°25	18°54	13°28	4° 7	2°16	2°42	27°26	8°30	W19
T 20	14 30 58	9°22'06	21°39	0 <b>Ⅲ</b> 23	15°44	14°27	17°17	27°29	18°55	13°29	4° 8	2° 3	2°39	27°32	8°34	T 20
F 21	14 34 54	10°20'07	4 <b>₹</b> 756	1°27	16°57	15° 1	17°18	27°32	18°56	13°30	4° 9	1°53	2°35	27°39	8°37	F 21
S 22	14 38 51	11°18'07	18°25	2°27	18°10	15°34	17°18	27°36	18°57	13°31	4°10	1°44	2°32	27°46	8°40	S 22
S 23	14 42 47	12°16'06	2중 3	3°22	19°23	16° 8	17°19	27°40	18°58	13°33	4°12	1°39	2°29	27°52	8°43	S 23
M24	14 46 44	13°14'03	15°49	4°13	20°36	16°42	17°19	27°43	18°59	13°34	4°13	1°36	2°26	27°59	8°47	M24
T 25	14 50 41	14°11'59	29°44	4°58	21°49	17°16	17°R19	27°46	19° 0	13°35	4°14	1°D36	2°23	28° 6	8°50	T 25
W26	14 54 37	15° 9'54	13≈45	5°39	23° 2	17°50	17°19	27°50	19° 1	13°36	4°15	1°R36	2°19	28°12	8°53	W26
T 27	14 58 34	16° 7'47	27°53	6°15	24°15	18°24	17°19	27°53	19° 2	13°38	4°16	1°35	2°16	28°19	8°56	T 27
F 28	15 2 30	17° 5'39	12 <b>)</b> 7	6°47	25°28	18°58	17°19	27°56	19° 3	13°39	4°17	1°33	2°13	28°26	8°59	F 28
S 29	15 6 27	18° 3'30	26°25	7°13	26°41	19°32	17°18	27°59	19° 3	13°41	4°19	1°29	2°10	28°32	9° 2	S 29
S 30	15 10 23	198 1'20	10 <b>Y</b> 43	7 <b>Ⅲ</b> 34	27 <b>Y</b> 55	2095 6	17중17	28≈ 2	19 <b>≈</b> 4	139542	<b>4</b> Υ20	1≈22	2≈ 7	28€39	9 <b>Y</b> 5	S 30

Day	0	J	)	ğ	5	φ	1	C	?		4		<del>լ</del>	)	<b>ᡎ</b> (	Ą	Ţ	E	2	n	v	Ç	ď	
	decl	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	dec	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n10	2s16	3n23	11n 1	0n15	4s17	1 s28	25n17	1n51	22 s28	0n	14s	1 1 s14	16s 0	0 s41	22n10	0 s41	13 s39	16s31	19 s13	19 s23	11n16	4n58	2n11
S 2	8 32	4n18	4 13	11 56	0 26	3 49	1 29	25 16	1 51	22 27	0	13 5	1 14	15 59	0 41	22 10	0 41	13 38	16 31	19 15	19 24	11 13	5 0	2 11
M 3		10 37	-	,	0 37	3 21		25 14		22 27		13 5				22 10						11 10	5 1	2 11
T 4	,	16 16	-	13 42	0 48	2 53		25 12		22 27		13 5		15 58		-			16 31				5 2	2 11
W 5		20 54			0 58	2 25		25 10		22 26		13 5							16 31				5 4	2 11
T 6		24 15	-	15 22	1 9	1 57	1 33			22 26	0								16 31			11 1	5 5	2 11
F 7 S 8	10 20	26 9	3 57	16 9	1 19	1 28		25 6		22 26				15 56		-			16 31				5 7	2 11
S 8	10 41	26 32	3 9	16 55	1 29	1 0	1 35	25 4	1 48	22 25	0 (	13 5	1 13	15 56	0 41	22 10	0 40	13 36	16 32	19 28	19 28	10 55	5 8	2 11
S 9	11 2	25 32	2 14	17 38	1 39	0 31	1 35	25 1	1 47	22 25	0 (	13 4	1 15	15 55	0 41	22 10	0 40	13 35	16 32	19 29	19 29	10 52	5 9	2 11
M10	11 23	-	1 13	18 19	1 48	0 3		24 58	1 47		-	13 4				22 10	0 40					10 49	5 11	2 11
T 11	-	20 4		18 57	1 56	0n26		24 56		22 25	-	13 4				22 9	0 40					10 46	5 12	2 11
W12	12 4	16 4			2 4	0 55		24 53		22 24							0 40		16 32				5 13	2 11
_	12 24			20 6	2 11	1 23		24 49		22 24	-	13 4					0 40					10 40	5 15	2 11
	12 44	6 26	2 48		2 17	1 52		24 46		22 24		13 4				-	0 40		16 33				5 16	2 11
S 15	13 4	1 9	3 36	21 6	2 23	2 20	1 3/	24 43	1 44	22 24	0 (	13 4	1 1 16	15 52	0 41	22 9	0 40	13 33	16 33	19 32	19 33	10 34	5 17	2 10
S 16	13 23	4s15	4 15	21 31	2 27	2 49	1 37	24 39	1 44	22 24	0	13 4	1 17	15 52	0 41	22 9	0 40	13 33	16 33	19 34	19 34	10 31	5 19	2 10
M17	13 42	9 34	4 43		2 31	3 18		24 36	1 43		-	13 3				22 9	0 40		16 33				5 20	2 10
T 18		14 36		22 16	2 34	3 46		24 32		22 24		13 3			-	-	0 .0		16 33				5 21	2 10
W19	-	19 6		22 34	2 36	4 15		24 28		22 24						-	0 .0		16 34	-		-	5 23	2 10
T 20		22 46		22 50	2 37	4 43				22 24		13 3				-	0 10					10 19	5 24	2 10
F 21	14 57		4 12	-	2 37	5 11		24 20		22 24		13 3		15 50		-	0 .0					10 16	5 25	2 10
S 22	15 15	26 26	3 27	23 15	2 36	5 39	1 36	24 15	1 41	22 24	0	13 3	1 18	15 50	0 41	22 9	0 40	13 31	16 34	19 49	19 38	10 13	5 27	2 10
S 23	15 33	25 58	2 30	23 24	2 34	6 8	1 36	24 11	1 40	22 24	0 2	13 3	1 18	15 50	0 41	22 9	0 40	13 31	16 34	19 50	19 39	10 10	5 28	2 10
M24	15 51		-		2 31	6 36		24 6	1 40		0 2				-	22 8	0 40		16 35				5 29	2 10
T 25		20 25		23 35	2 27	7 3		24 1	1 39			13 3				-	0 40		16 35			-	5 30	2 10
W26		15 43		23 38	2 22	7 31		23 56		22 24		13 2			-	-	0 40		16 35			10 1	5 32	2 10
T 27	16 42	10 8	-	23 38	2 16	7 59		23 51		22 24					-	-	0 40		16 35			9 58	5 33	2 10
F 28	16 59	3 59		23 37	2 9	8 26		23 46		22 24		13 2		15 48			0 40		16 36			9 55	5 34	2 10
S 29	17 15	2n22	4 8	23 33	2 1	8 53	1 32	23 41	1 37	22 25	0 2	13 2	1 19	15 48	0 42	22 8	0 40	13 29	16 36	19 53	19 43	9 52	5 35	2 10
S 30	17n31	8n35	4n43	23n28	1n52	9n20	1 s31	23n35	1n37	22 s25	0 s 2	13 s2	1 s 1 s	15 s48	0 s42	22n 8	0 s40	13 s29	16 s 3 6	19s54	19 s44	9n49	5n36	2n10

Julian Day Number = 2298608.5, Delta T = 117.80 sec

Ecliptic obliquity =  $23^{\circ}29'43$ , Nutation =  $0^{\circ}00'13$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'48, Lahiri = 18°00'48 Julian Calendar 1 Apr. 1581 == Greg. Calendar 11 Apr. 1581

MAY 1581 JC 00:00 UT

Day	Sid.t	$\odot$	D	ğ	φ	♂	4	ħ	)ұ(	¥	Р	R	Ω	Ç	ę,	Day
M 1	15 14 20	19859'08	24 <b>Y</b> 57	7 <b>Ⅱ</b> 51	29 <b>Y</b> 8	209540	17°R16	28≈ 5	19 <b>≈</b> 5	139543	<b>4</b> Υ21	1°R13	2≈ 4	28 <b>Ω</b> 46	9 <b>Υ</b> 8	M 1
T 2	15 18 16	20°56'56	9 <b>8</b> 1	8° 2	0821	21°14	17 <b>る</b> 15	28° 7	19° 5	13°45	4°22	1≈ 2	2° 0	28°52	9°11	T 2
W 3	15 22 13	21°54'42	22°52	8° 9	1°34	21°49	17°13	28°10	19° 6	13°46	4°23	0°51	1°57	28°59	9°14	W 3
T 4	15 26 9	22°52'26	6 <b>Ⅱ</b> 25	8°R11	2°47	22°23	17°12	28°13	19° 7	13°48	4°24	0°41	1°54	29° 6	9°17	T 4
F 5	15 30 6	23°50'09	19°37	8° 8	4° 0	22°58	17°10	28°15	19° 7	13°49	4°25	0°33	1°51	29°12	9°20	F 5
S 6	15 34 3	24°47'51	29527	8° 0	5°13	23°32	17° 8	28°17	19° 7	13°51	4°26	0°27	1°48	29°19	9°23	S 6
S 7	15 37 59	25°45'31	14°58	7°48	6°27	24° 7	17° 6	28°20	19°8	13°53	4°27	0°24	1°45	29°26	9°26	S 7
M 8	15 41 56	26°43'10	27°12	7°32	7°40	24°41	17° 4	28°22	19°8	13°54	4°28	0°D22	1°41	29°32	9°28	M 8
T 9	15 45 52	27°40'47	9 <b>Ω</b> 13	7°13	8°53	25°16	17° 1	28°24	19°8	13°56	4°29	0°23	1°38	29°39	9°31	T 9
W10	15 49 49	28°38'23	21° 5	6°49	10° 6	25°50	16°58	28°26	19° 9	13°58	4°30	0°23	1°35	29°46	9°34	W10
T 11	15 53 45	29°35'57	2 <b>m</b> 54	6°23	11°19	26°25	16°55	28°28	19° 9	13°59	4°31	0°R24	1°32	29°52	9°36	T 11
F 12	15 57 42	0Ⅲ33'30	14°46	5°55	12°32	27° 0	16°52	28°30	19° 9	14° 1	4°32	0°22	1°29	29°59	9°39	F 12
S 13	16 1 39	1°31'01	26°45	5°24	13°45	27°35	16°49	28°31	19° 9	14° 3	4°33	0°19	1°25	0 <b>m</b> ) 6	9°42	S 13
S 14	16 5 35	2°28'31	8 <b>≏</b> 56	4°51	14°59	28°10	16°46	28°33	19°R 9	14° 4	4°34	0°14	1°22	0°12	9°44	S 14
M15	16 9 32	3°26'00	21°23	4°18	16°12	28°45	16°42	28°34	19° 9	14° 6	4°34	0° 7	1°19	0°19	9°47	M15
T 16	16 13 28	4°23'27	4 <b>m</b> , 7	3°44	17°25	29°20	16°38	28°36	19° 9	14° 8	4°35	29 <b>궁</b> 58	1°16	0°26	9°49	T 16
W17	16 17 25	5°20'54	17°11	3°11	18°38	29°55	16°35	28°37	19° 9	14°10	4°36	29°48	1°13	0°32	9°52	W17
T 18	16 21 21	6°18'19	0 <b>∡</b> 33	2°38	19°51	$0\Omega 30$	16°30	28°38	19° 9	14°12	4°37	29°40	1°10	0°39	9°54	T 18
F 19	16 25 18	7°15'43	14°13	2° 7	21° 5	1° 5	16°26	28°40	19° 9	14°13	4°38	29°32	1° 6	0°46	9°56	F 19
S 20	16 29 14	8°13'07	28° 5	1°37	22°18	1°40	16°22	28°41	19°8	14°15	4°38	29°26	1° 3	0°52	9°59	S 20
S 21	16 33 11	9°10'30	12る 8	1°10	23°31	2°15	16°17	28°42	19°8	14°17	4°39	29°23	1° 0	0°59	10° 1	S 21
M22	16 37 8	10° 7'52	26°18	0°46	24°44	2°50	16°12	28°42	19°8	14°19	4°40	29°D22	0°57	1° 6	10° 3	M22
T 23	16 41 4	11° 5'13	10≈30	0°24	25°58	3°26	16° 8	28°43	19° 7	14°21	4°41	29°22	0°54	1°12	10° 5	T 23
W24	16 45 1	12° 2'33	24°43	0° 7	27°11	4° 1	16° 3	28°44	19° 7	14°23	4°41	29°23	0°51	1°19	10° 7	W24
T 25	16 48 57	12°59'54	8 <b>∺</b> 55	29 <b>8</b> 53	28°24	4°36	15°57	28°44	19° 6	14°25	4°42	29°R24	0°47	1°26	10° 9	T 25
F 26	16 52 54	13°57'13	23° 4	29°43	29°37	5°12	15°52	28°45	19° 6	14°27	4°43	29°24	0°44	1°32	10°11	F 26
S 27	16 56 50	14°54'32	7 <b>℃</b> 7	29°38	0Д51	5°47	15°47	28°45	19° 5	14°29	4°43	29°22	0°41	1°39	10°13	S 27
S 28	17 0 47	15°51'51	21° 5	29°D36	2° 4	6°23	15°41	28°45	19° 5	14°31	4°44	29°18	0°38	1°46	10°15	S 28
M29	17 4 43	16°49'10	4 <b>8</b> 54	29°40	3°17	6°58	15°35	28°45	19° 4	14°33	4°45	29°12	0°35	1°52	10°17	M29
T 30	17 8 40	17°46'28	18°32	29°48	4°31	7°34	1 <u>5</u> °29	28°R46	19° 3	14°35	4°45	29° 6	0°31	1°59	10°19	T 30
W31	17 12 37	18 <b>Ⅲ</b> 43'45	1 <b>II</b> 57	0 <b>I</b> I 0	5 <b>∏</b> 44	8 <b>N</b> 9	15 <b>る</b> 23	28 <b>≈</b> 45	19 <b>≈</b> 2	14937	4 <b>Υ</b> 46	28 <b>궁</b> 59	0≈28	2MD 6	10 <b>Υ</b> 21	W31

Day	0	D		<b></b>	φ	d	7	2	+	ŧ	ì	);	ł(	¥		Р	n	v	Ç	ď	
	decl	decl lat	decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	at	decl lat	dec	l decl	decl	decl	lat
M 1 T 2	17n47 18 2		n 0 23n20 59 23 11		9n47 1 s3	23n29 9 23 24		22 s25 22 26	0s 3 0 3		1 s 1 9 1 2 0	15 s48 15 48		22n 8 22 8	0 s40 0 40		36 19s5 37 19 5		9n46 9 42	5n38 5 39	2n10 2 10
W 3	18 17	-	40 23 0		0 40 1 2			22 26	0 3		1 20				0 40			1 19 46	9 39	5 40	2 10
T 4	18 32	25 28 4	6 22 47	1 5 1	1 7 1 2	7 23 12	1 35	22 26	0 3	13 23	1 20	15 47	0 42	22 7	0 40	13 28 16	37 20	3 19 47	9 36	5 41	2 10
F 5	18 47	-	19 22 33		1 32 1 2			22 27	0 3		1 20				0 40	13 28 16		5 19 48	9 33	5 42	2 10
S 6	19 1	25 51 2	23 22 17	0 36 1	1 58 1 2	4 22 59	1 34	22 27	0 3	13 21	1 20	15 47	0 42	22 7	0 40	13 28 16	38 20	6 19 48	9 30	5 43	2 10
S 7			21 21 59			3 22 52		22 27	0 3	-		15 47			0 40			7 19 49	9 27	5 45	2 10
M 8	19 28		17 21 41		-	2 22 46		22 28	0 4		1 21			-	0 40	13 28 16		7 19 50	9 24	5 46	2 11
T 9 W10	19 41 19 54		s47 21 21 48 21 0			0 22 39 9 22 32		22 28 22 29	0 4		1 21 1 21				0 39	13 28 16 13 28 16		7 19 51 7 19 51	9 21 9 18	5 47 5 48	2 11 2 11
T 11	20 7		45 20 39			7 22 25		22 29	0 4		1 22		-	-	0 39	13 27 16		7 19 52	9 15	5 49	2 11
F 12	20 19		34 20 17			5 22 18			0 4	-	1 22			-	0 39	13 27 16		7 19 53	9 12	5 50	2 11
S 13	20 31	2 s 3 6 4	15 19 54	1 22 1	4 50 1 1	4 22 10		22 30	0 4	13 18	1 22	15 47	0 42	22 6	0 39	13 27 16	40 20	8 19 53	9 9	5 51	2 11
S 14	20 42		45 19 31	1 40 1		2 22 3		22 31	0 4	13 17	1 22				0 39			9 19 54	9 6	5 52	2 11
M15	20 53		2 19 9			1 21 55		22 31	0 5	-	1 22		0 42		0 39	13 27 16	-		9 3	5 53	2 11
T 16 W17	21 4 21 15	.,	5 18 46 52 18 25			9 21 47 7 21 40			0 5 0 5			15 47	0 42 0 42		0 39	13 27 16 13 27 16			9 0 8 57	5 54 5 55	2 11 2 11
	-		23 18 4			7 21 40 5 21 31	1 29		0 5			15 47 15 47	0 42	-	0 39	13 27 16			8 54	5 56	2 11
	21 34		38 17 44			3 21 23			0 5			15 47	0 42		0 39	13 27 16			8 51	5 57	2 11
S 20	21 44	26 9 2	40 17 26	3 10 1	7 24 1	1 21 15		22 35	0 5	13 16	1 23	15 48	0 43	22 5	0 39	13 27 16	42 20 1	9 19 58	8 47	5 58	2 11
S 21	21 53	24 27 1	31 17 9	3 22 1	7 44 0 5	9 21 7	1 27	22 35	0 6	13 16	1 24	15 48	0 43	22 5	0 39	13 27 16	42 20 2	0 19 59	8 44	5 59	2 11
M22	22 1	21 13 0	17 16 53	3 33 1	8 4 0 5	7 20 58	1 26	22 36	0 6	13 16	1 24	15 48	0 43	22 4	0 39	13 27 16	43 20 2	0 20 0	8 41	6 0	2 11
T 23	22 9		n 0 16 40	_		5 20 49		22 37	0 6		1 24				0 39	13 27 16	-		8 38	6 1	2 11
W24			13 16 28			20 40		22 38	0 6	-	1 24				0 39	13 27 16			8 35	6 1	2 11
T 25 F 26	22 25 22 32		17 16 19 9 16 11			1 20 32 9 20 22		22 38 22 39	0 6		1 24	15 48 15 49			0 39	13 27 16 13 27 16	-		8 32 8 29	6 2 6 3	2 11 2 11
S 27	22 38		46 16 6			7 20 13		22 40	0 6			15 49			0 39				8 26	6 4	2 11
S 28	22 45	12 58 5	6 16 3	4 10 1	9 54 0 4	5 20 4	1 23	22 41	0 7	13 16	1 25	15 49	0 43	22 3	0 39	13 27 16	45 20 2	1 20 4	8 23	6 5	2 11
M29	22 50		8 16 2			2 19 54		22 42	0 7			15 49			0 39		-		8 20	6 6	
T 30	22 56	22 3 4	52 16 3	4 12 2	20 26 0 4	19 45	1 22	22 42	0 7	13 16	1 26	15 49	0 43	22 3	0 39	13 28 16	45 20 2	3 20 5	8 17	6 6	2 11
W31	23n 1	24n50 41	n20 16n 6	4s11 2	20n41 0s3	8 19n35	1n22	22 s43	0s 7	13 s16	1 s26	15 s50	0 s43	22n 3	0 s39	13 s28 16:	s46 20 s2	5 20s 6	8n14	6n 7	2n11

Julian Day Number = 2298638.5, Delta T = 117.66 sec

Ecliptic obliquity =  $23^{\circ}29'42$ , Nutation =  $0^{\circ}00'13$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°53'52, Lahiri = 18°00'53 Julian Calendar 1 May 1581 == Greg. Calendar 11 May 1581

**JUNE 1581 JC** 00:00 UT

Day	Sid.t	0	D	Ϋ́	Q	ð	4	ħ	)ф(	ħ	Р	N.	Ω	Ç	, k	Day
T 1	17 16 33	19 <b>II</b> 41'03	15 <b>I</b> 7	0 <b>П</b> 17	6 <b>Ⅱ</b> 57	8 <b>Ω</b> 45	15°R17	28°R45	19°R 2	14939	<b>4</b> Υ 46	28°R53	0≈25	2 <b>m</b> 12	10 <b>Y</b> 23	T 1
F 2	17 20 30	20°38'19	28° 2	0°39	8°11	9°21	15 <b>る</b> 11	28≈45	19≈ 1	14°41	4°47	28 <b>궁</b> 48	0°22	2°19	10°25	F 2
S 3	17 24 26	21°35'35	10939	1° 5	9°24	9°56	15° 5	28°45	19° 0	14°43	4°47	28°45	0°19	2°26	10°26	S 3
S 4	17 28 23	22°32'51	23° 2	1°36	10°37	10°32	14°58	28°44	18°59	14°45	4°48	28°D43	0°16	2°32	10°28	S 4
M 5	17 32 19	23°30'06	5 <b>Ω</b> 11	2°11	11°51	11° 8	14°51	28°44	18°58	14°47	4°48	28°43	0°12	2°39	10°29	M 5
T 6	17 36 16	24°27'20	17° 9	2°51	13° 4	11°44	14°45	28°43	18°57	14°49	4°49	28°45	0° 9	2°46	10°31	T 6
W 7	17 40 12	25°24'34	29° 1	3°34	14°18	12°20	14°38	28°42	18°56	14°52	4°49	28°46	0° 6	2°52	10°32	W 7
T 8	17 44 9	26°21'47	10 <b>m</b> 50	4°22	15°31	12°56	14°31	28°42	18°55	14°54	4°49	28°48	0° 3	2°59	10°34	T 8
F 9	17 48 6	27°18'59	22°42	5°15	16°45	13°32	14°24	28°41	18°53	14°56	4°50	28°R49	29중59	3° 6	10°35	F 9
S 10	17 52 2	28°16'11	4 <b>≏</b> 42	6°11	17°58	14° 8	14°17	28°40	18°52	14°58	4°50	28°49	29°56	3°12	10°37	S 10
S 11	17 55 59	29°13'22	16°54	7°11	19°11	14°44	14°10	28°38	18°51	15° 0	4°50	28°47	29°53	3°19	10°38	S 11
M12	17 59 55	09510'33	29°22	8°16	20°25	15°20	14° 3	28°37	18°50	15° 2	4°51	28°45	29°50	3°26	10°39	M12
T 13	18 3 52	1° 7'44	12 <b>M</b> 10	9°24	21°38	15°56	13°55	28°36	18°48	15° 4	4°51	28°41	29°47	3°32	10°40	T 13
W14	18 7 48	2° 4'54	25°21	10°36	22°52	16°32	13°48	28°35	18°47	15° 7	4°51	28°37	29°44	3°39	10°41	W14
T 15	18 11 45	3° 2'04	8 <b>₹</b> 55	11°52	24° 5	17° 8	13°41	28°33	18°46	15° 9	4°51	28°34	29°41	3°46	10°42	T 15
F 16	18 15 41	3°59'14	22°50	13°12	25°19	17°45	13°33	28°31	18°44	15°11	4°52	28°30	29°37	3°52	10°44	F 16
S 17	18 19 38	4°56'23	7 <b>る</b> 4	14°35	26°32	18°21	13°26	28°30	18°43	15°13	4°52	28°28	29°34	3°59	10°44	S 17
S 18	18 23 35	5°53'33	21°31	16° 2	27°46	18°57	13°18	28°28	18°41	15°15	4°52	28°D27	29°31	4° 6	10°45	S 18
M19	18 27 31	6°50'43	6≈ 6	17°33	29° 0	19°34	13°10	28°26	18°40	15°18	4°52	28°27	29°28	4°12	10°46	M19
T 20	18 31 28	7°47'53	20°43	19°8	0ණ13	20°10	13° 3	28°24	18°38	15°20	4°52	28°28	29°25	4°19	10°47	T 20
W21	18 35 24	8°45'03	5 <b>₩</b> 17	20°46	1°27	20°47	12°55	28°22	18°36	15°22	4°52	28°29	29°22	4°26	10°48	W21
T 22	18 39 21	9°42'13	19°43	22°27	2°40	21°23	12°47	28°20	18°35	15°24	4°53	28°30	29°18	4°32	10°49	T 22
F 23	18 43 17	10°39'24	3 <b>Ƴ</b> 57	24°12	3°54	22° 0	12°40	28°18	18°33	15°26	4°53	28°31	29°15	4°39	10°49	F 23
S 24	18 47 14	11°36'35	17°58	26° 0	5° 8	22°36	12°32	28°16	18°31	15°29	4°53	28°R31	29°12	4°46	10°50	S 24
S 25	18 51 10	12°33'47	1844	27°50	6°21	23°13	12°24	28°13	18°29	15°31	4°R53	28°30	29° 9	4°52	10°50	S 25
M26	18 55 7	13°30'59	15°15	29°44	7°35	23°49	12°17	28°11	18°28	15°33	4°53	28°29	29° 6	4°59	10°51	M26
T 27	18 59 4	14°28'12	28°32	19541	8°49	24°26	12° 9	28° 8	18°26	15°35	4°53	28°27	29° 2	5° 6	10°51	T 27
W28	19 3 0	15°25'26	11 <b>Ⅲ</b> 33	3°40	10° 2	25° 3	12° 1	28° 5	18°24	15°38	4°53	28°25	28°59	5°12	10°52	W28
T 29	19 6 57	16°22'40	24°21	5°41	11°16	25°40	11°53	28° 3	18°22	15°40	4°52	28°24	28°56	5°19	10°52	T 29
F 30	19 10 53	179519'54	6955	<b>794</b> 3	12930	$26\Omega 16$	11 <b>る</b> 46	28≈ 0	18 <b>≈</b> 20	159542	<b>4</b> Υ52	28 <b>궁</b> 22	28 <b>궁</b> 53	5 Mg 26	10 <b>Y</b> 52	F 30

Day	0	Ş	)	ζ	5	ς	?	ď	1	2	ļ.		ħ	);	<del>β</del> (	j	ŧ.	E	)	n	ß	Ç	ķ	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	dec	l lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl l	at
T 1 F 2	23n 6 23 10	26n13 26 8		16n11 16 18		20n56 21 10		19n25 19 15		22 s44 22 45		13 s1 13 1		15 s50 15 50		22n 3 22 2		13 s28 13 28			20 s 6 20 7	8n11 8 8	-	2n11 2 11
S 3	23 14	24 41	1 37	16 27	4 4	21 24	0 31	19 5	1 20	22 46	0 7	13 1	7 1 26	15 51	0 43	22 2	0 39	13 28	16 47	20 28	20 8	8 5	6 9	2 11
S 4	23 17			16 38		21 37		18 55		22 47		13 1		15 51	0 43			13 28					6 10	2 11
M 5	23 20 23 23	18 27 14 9		16 50 17 3				18 45 18 34		22 48 22 49	0 8	13 1		15 51 15 52	0 43 0 43			13 28 13 28			20 9 20 10		6 11 6 11	2 11 2 11
W 7	23 25	-		17 19				18 24		22 49		13 1		15 52							20 11	7 52	6 12	2 11
T 8 F 9	23 27 23 28			17 35 17 52		22 23 22 33		18 13 18 2		22 50 22 51		13 1 13 2		15 52 15 53							20 11 20 12	7 49 7 46	6 12 6 13	2 12 2 12
S 10				18 11		22 43		17 51		22 52		13 2		15 53							20 13	7 43	6 14	2 12
S 11 M12	23 30		5 13	18 30 18 51	2 56	22 59	0 10	17 40 17 29	1 16	22 53 22 54	0 9		2 1 28	15 54 15 54	0 43	22 0	0 39	13 30	16 50	20 28	20 13 20 14	7 37	6 14 6 15	2 12 2 12
T 13 W14		20 21 23 41	-	19 11 19 33		-		17 18 17 6		22 55 22 56		13 2 13 2		15 55 15 55							20 15 20 15	7 34 7 31	-	2 12 2 12
T 15	-	25 47		19 54				16 55		22 57		13 2		15 55		21 59					20 16	7 28		2 12
F 16 S 17		26 21 25 13	-	20 16 20 38		23 25 23 30		16 43 16 32		22 58 22 59	0 9	13 2	-	15 56 15 56		21 59 21 59					20 17 20 17	7 24 7 21		2 12 2 12
S 18 M19	23 22 23 19	22 24 18 7		20 59 21 21	1 47 1 34			16 20 16 8	1 13 1 12	22 59 23 0		13 2		15 57 15 57		21 59 21 59					20 18 20 19		6 17 6 18	2 12 2 12
T 20	23 16	12 43	2 0	21 41	1 22	23 39	0 10	15 56	1 12	23 1	0 10	13 2	8 1 30	15 58	0 44	21 58	0 39	13 32	16 53	20 31	20 19	7 12	6 18	2 12
W21 T 22	23 12 23 8			22 1 22 20	1 9	23 41 23 43		15 44 15 31	1 11	23 2 23 3		13 2 13 2		15 59 15 59	-	21 58 21 58					20 20 20 21	7 9 7 6		2 12 2 12
F 23	23 4			22 38		23 43		15 19	1 10			13 3		16 0		21 58					20 21	7 3		2 12
S 24	22 59	11 50	5 11	22 54	0 32	23 43	0 19	15 7	1 10	23 5	-	13 3		16 0	0 44	21 57	0 39	13 33	16 54	20 30	20 22	7 0	6 19	2 12
S 25 M26	22 54	17 2 21 16		23 9 23 22		-		14 54 14 42	1 9 1 9	23 6 23 6	0 11	13 3 13 3			-	21 57 21 57					20 23 20 23	6 57 6 54		2 12 2 12
T 27		24 19	-	23 23	0 / 0n 4			14 42		23 7	0 11	_	-	-		21 57					20 23	6 50		2 12
W28	22 36	-		23 42	0 16			14 16		23 8		13 3				21 56					20 25	6 47	6 20	2 13
T 29 F 30		26 20 25n15		23 49 23n53		23 31 23n27	0 31 0n33	14 3 13n50		23 9 23 s10	-	13 3 13 s3		16 3 16s 4	-	21 56 21n56					20 25 20 s26	6 44 6n41	6 21 6n21	2 13 2n13

Julian Day Number = 2298669.5, Delta T = 117.51 sec

Ecliptic obliquity = 23°29'41, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°53'56, Lahiri = 18°00'57 Julian Calendar 1 June 1581 == Greg. Calendar 11 June 1581

JULY 1581 JC 00:00 UT

Day	Sid.t	0	D	ğ	ρ	ď	4	ħ	)∤(	¥	Р	n	ß	Ç	ķ	Day
S 1	19 14 50	18917'09	199617	9 <b>9</b> 48	139544	26€53	11°R38	27°R57	18°R18	159644	4°R52	28°R22	28 <b>궁</b> 50	5 <b>m</b> 32	10 <b>Y</b> 53	S 1
S 2	19 18 46	19°14'24	1 <b>Ω</b> 28	11°54	14°57	27°30	11 <b>궁</b> 30	27≈54	18 <b>≈</b> 16	15°47	<b>4</b> Υ52	28°D22	28°47	5°39	10°53	S 2
M 3	19 22 43	20°11'40	13°29	14° 1	16°11	28° 7	11°23	27°51	18°14	15°49	4°52	28중22	28°43	5°46	10°53	M 3
T 4	19 26 40	21° 8'56	25°23	16°8	17°25	28°44	11°15	27°48	18°12	15°51	4°52	28°23	28°40	5°52	10°53	T 4
W 5	19 30 36	22° 6'12	7 <b>m</b> 13	18°16	18°39	29°21	11° 8	27°45	18°10	15°53	4°52	28°23	28°37	5°59	10°R53	W 5
T 6	19 34 33	23° 3'28	19° 2	20°24	19°53	29°58	11° 0	27°42	18° 8	15°55	4°51	28°24	28°34	6° 6	10°53	T 6
F 7	19 38 29	24° 0'45	0 <b>ჲ</b> 54	22°32	21° 7	0 <b>m</b> 35	10°53	27°38	18° 6	15°58	4°51	28°24	28°31	6°12	10°53	F 7
S 8	19 42 26	24°58'03	12°53	24°39	22°21	1°12	10°46	27°35	18° 4	16° 0	4°51	28°25	28°28	6°19	10°53	S 8
S 9	19 46 22	25°55'21	25° 3	26°45	23°34	1°49	10°39	27°31	18° 2	16° 2	4°51	28°R25	28°24	6°26	10°52	S 9
M10	19 50 19	26°52'39	7 <b>M</b> 30	28°51	24°48	2°27	10°31	27°28	18° 0	16° 4	4°50	28°25	28°21	6°32	10°52	M10
T 11	19 54 15	27°49'57	20°16	$0\Omega$ 56	26° 2	3° 4	10°24	27°24	17°57	16° 6	4°50	28°25	28°18	6°39	10°52	T 11
W12	19 58 12	28°47'17	3 <b>₹</b> 25	3° 0	27°16	3°41	10°17	27°21	17°55	16° 9	4°50	28°D25	28°15	6°46	10°51	W12
T 13	20 2 9	29°44'36	17° 0	5° 2	28°30	4°18	10°10	27°17	17°53	16°11	4°49	28°25	28°12	6°53	10°51	T 13
F 14	20 6 5	0 <b>Ω</b> 41'57	1ਰ 1	7° 3	29°44	4°56	10° 4	27°13	17°51	16°13	4°49	28°25	28° 8	6°59	10°50	F 14
S 15	20 10 2	1°39'18	15°25	9° 2	0№58	5°33	9°57	27°10	17°49	16°15	4°48	28°25	28° 5	7° 6	10°50	S 15
S 16	20 13 58	2°36'40	0≈ 9	11° 0	2°12	6°10	9°50	27° 6	17°46	16°17	4°48	28°R25	28° 2	7°13	10°49	S 16
M17	20 17 55	3°34'02	15° 5	12°57	3°26	6°48	9°44	27° 2	17°44	16°19	4°47	28°25	27°59	7°19	10°49	M17
T 18	20 21 51	4°31'26	0 <b>米</b> 6	14°52	4°40	7°25	9°37	26°58	17°42	16°22	4°47	28°25	27°56	7°26	10°48	T 18
W19	20 25 48	5°28'50	15° 3	16°45	5°54	8° 3	9°31	26°54	17°39	16°24	4°47	28°24	27°53	7°33	10°47	W19
T 20	20 29 44	6°26'16	29°48	18°37	7° 8	8°41	9°25	26°50	17°37	16°26	4°46	28°23	27°49	7°39	10°46	T 20
F 21	20 33 41	7°23'43	14 <b>Y</b> 16	20°27	8°22	9°18	9°19	26°46	17°35	16°28	4°45	28°22	27°46	7°46	10°46	F 21
S 22	20 37 38	8°21'11	28°24	22°16	9°36	9°56	9°13	26°41	17°32	16°30	4°45	28°22	27°43	7°53	10°45	S 22
S 23	20 41 34	9°18'41	128 9	24° 3	10°50	10°33	9° 7	26°37	17°30	16°32	4°44	28°D22	27°40	7°59	10°44	S 23
M24	20 45 31	10°16'12	25°32	25°48	12° 4	11°11	9° 2	26°33	17°28	16°34	4°44	28°22	27°37	8° 6	10°43	M24
T 25	20 49 27	11°13'45	8耳35	27°32	13°19	11°49	8°56	26°29	17°25	16°36	4°43	28°23	27°34	8°13	10°42	T 25
W26	20 53 24	12°11'19	21°20	29°15	14°33	12°27	8°51	26°25	17°23	16°38	4°43	28°24	27°30	8°19	10°41	W26
T 27	20 57 20	13° 8'55	3950	0 <b>m</b> 55	15°47	13° 5	8°46	26°20	17°21	16°40	4°42	28°25	27°27	8°26	10°39	T 27
F 28	21 117	14° 6'31	16° 8	2°35	17° 1	13°43	8°41	26°16	17°18	16°42	4°41	28°26	27°24	8°33	10°38	F 28
S 29	21 5 13	15° 4'10	28°15	4°13	18°15	14°21	8°36	26°11	17°16	16°44	4°41	28°R26	27°21	8°39	10°37	S 29
S 30	21 9 10	16° 1'49	10Ω15	5°49	19°29	14°59	8°31	26° 7	17°13	16°46	4°40	28°26	27°18	8°46	10°36	S 30
M31	21 13 7	16 <b>Ω</b> 59'30	22 <b>N</b> 9	7 <b>⋒</b> 24	20 <b>Ω</b> 44	15 <b>m</b> )37	8 <b>궁</b> 26	26≈ 3	17≈11	169548	<b>4Ƴ</b> 39	28 <b>궁</b> 25	27 <b>궁</b> 14	8 <b>m</b> 53	10 <b>Y</b> 34	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n15	22n56	0n50	23n54	0n46	23n22	0n35	13n37	1n 6	23 s11	0s12	13 s39	1 s32	16s 4	0 s44	21n56	0 s39	13 s35	16s57	20 s32	20 s26	6n38	6n21	2n13
S 2	22 7	19 36	0s17	23 53	0 56	23 16	0 37	13 24	1 6	23 11	0 12	13 40	1 32	16 5	0 44	21 55	0 39	13 36	16 57	20 32	20 27	6 35	6 21	2 13
M 3	21 58				1 4			-		23 12	0 12		1 32			21 55						6 32	6 21	2 13
T 4	21 50			23 42	1 12					23 13		13 43	1 33			21 55	0 39					6 29	6 21	2 13
W 5 T 6	21 41 21 31	5 48		23 33	1 19	22 55 22 46		12 44 12 30		23 14		13 44	1 33			21 55	0 39 0 38					6 26	6 21	2 13 2 13
F 7	21 31 21 21	0 35 4s40	4 6 4 42	23 21 23 6		22 46		12 30		23 15 23 15		13 45 13 47	1 33			21 54 21 54	0 38					6 23 6 20	6 21	2 13
S 8	21 11	9 47		22 48		22 27	0 49			23 16		13 48	1 33			21 54		13 38				6 16	6 21	2 13
S 9	21 1	14 38	5 17	22 28	1 39	22 16	0 51	11 49	1 2	23 17	0 13	13 49	1 33	16 10	0 44	21 54	0 38	13 39	17 0	20 32	20 32	6 13	6 21	2 13
M10	20 50	18 58	5 13	22 6	1 42	22 5	0 53	11 35	1 2	23 17	0 13	13 51	1 34	16 10	0 44	21 53	0 38	13 39	17 0	20 32	20 32	6 10	6 21	2 13
T 11		22 35		21 42		21 53		11 21	1 1			13 52		16 11		21 53	0 38			20 32		6 7	6 21	2 13
W12	20 27			21 15		21 41	0 57			23 19		13 53		16 12		21 53	0 38			20 32		6 4	6 21	2 13
T 13		26 21				21 28		10 53		23 19		13 55		16 12		21 53	0 38				20 34	6 1	6 21	2 13
F 14 S 15		25 56 23 47		20 17 19 45	1 47	21 14 21 0		10 39 10 25		23 20 23 21		13 56 13 58		16 13 16 14		21 52 21 52	0 38 0 38				20 35 20 36	5 58 5 55	6 21 6 20	2 13 2 13
S 16	19 37			19 12		20 45		10 11		23 21		13 59		16 15		21 52	0 38	-			20 36	5 52	6 20	2 13
M17 T 18	19 24	14 54 8 52	1 31 2 47	18 38 18 2	1 44		1 5 1 6	9 56 9 42		23 22 23 23	0 14 0 14			16 15 16 16		21 52 21 51	0 38	-		20 32 20 32		5 49 5 45	6 20 6 20	2 13 2 14
W19	18 57	2 21	3 51	17 26	1 39		1 8	9 27		23 23	0 14			16 17		21 51	0 38	-		20 32		5 42	6 20	2 14
T 20	18 42				1 36		1 9	9 13		23 24	0 14			16 17		21 51	0 38			20 32		5 39	6 19	2 14
F 21	18 28	10 22	5 7	16 10	1 32	19 21	1 11	8 58	0 56	23 24	0 14	14 7	1 35	16 18	0 44	21 51	0 38	13 44	17 4	20 32	20 39	5 36	6 19	2 14
S 22	18 13	15 51	5 17	15 31	1 28	19 3	1 12	8 43	0 56	23 25	0 14	14 8	1 35	16 19	0 44	21 50	0 38	13 45	17 4	20 32	20 40	5 33	6 19	2 14
S 23	17 58	20 24	5 8	14 51	1 23	18 44	1 13	8 29	0 55	23 25	0 14	14 10	1 35	16 20	0 44	21 50	0 38	13 45	17 4	20 32	20 41	5 30	6 18	2 14
M24		23 45		14 11	1 18	_	1 14	8 14		23 26		14 11		16 20	0 44	21 50	0 38	-		20 32		5 27	6 18	2 14
T 25	17 27			13 30	1 13		1 15	7 59		23 26		14 13		16 21		21 49	0 38	13 46		20 32		5 24	6 18	2 14
W26	17 11		3 11	12 49	1 7		1 17	7 44		23 27		14 15		16 22		21 49	0 38	13 47		20 32		5 21	6 17	2 14
T 27 F 28	16 55 16 38	25 38 23 38	2 12 1 8	12 7 11 25	1 1 0 54		1 18 1 19	7 29 7 14		23 27 23 28		14 16 14 18		16 23 16 23		21 49 21 49	0 38 0 38				20 43 20 44	5 17 5 14	6 17 6 16	2 14 2 14
S 29		20 35		10 44		16 39	1 19	6 59		23 28		14 19		16 24		21 48					20 44	5 11	6 16	
S 30	16 4	16 41	1 s 5	10 2	0 41	16 17	1 20	6 43	0 52	23 28	0 15	14 21	1 36	16 25	0 44	21 48	0 38	13 49	17 7	20 31	20 45	5 8	6 15	2 14
M31	15n47	12n 9	2 s 7	9n20	0n33	15n54	1n21	6n28	0n51	23 s29	0 s 1 5	14 s23	1 s36	16 s25	0 s44	21n48	0 s38	13 s50	17s 7	20 s32	20 s46	5n 5	6n15	2n14

Julian Day Number = 2298699.5, Delta T = 117.37 sec

Ecliptic obliquity =  $23^{\circ}29'41$ , Nutation =  $0^{\circ}00'16$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°54'01, Lahiri = 18°01'01 Julian Calendar 1 July 1581 == Greg. Calendar 11 July 1581

AUGUST 1581 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	¥	Р	n	v	Ç	Ŷ,	Day
T 1	21 17 3	17 <b>Ω</b> 57'12	4 Mp 0	8 <b>m</b> 57	21 <b>Q</b> 58	16 <b>m</b> )15	8°R22	25°R58	17°R 9	16950	4°R38	28°R22	27 <b>ਰ</b> 11	8 <b>m</b> 59	10°R33	T 1
W 2	21 21 0	18°54'55	15°49	10°29	23°12	16°53	8점18	25≈54	17≈ 6	16°52	<b>4</b> Υ38	28 <b>궁</b> 19	27° 8	9° 6	10 <b>Y</b> 31	W 2
T 3	21 24 56	19°52'39	27°38	12° 0	24°26	17°31	8°14	25°49	17° 4	16°54	4°37	28°16	27° 5	9°13	10°30	T 3
F 4	21 28 53	20°50'25	9 <b>॒</b> 32	13°28	25°41	18° 9	8°10	25°45	17° 1	16°56	4°36	28°12	27° 2	9°19	10°28	F 4
S 5	21 32 49	21°48'12	21°32	14°56	26°55	18°47	8° 6	25°40	16°59	16°58	4°35	28° 9	26°59	9°26	10°27	S 5
S 6	21 36 46	22°46'00	3 <b>M</b> .41	16°22	28° 9	19°26	8° 2	25°36	16°57	17° 0	4°34	28° 7	26°55	9°33	10°25	S 6
M 7	21 40 42	23°43'49	16° 5	17°46	29°23	20° 4	7°59	25°31	16°54	17° 2	4°34	28° 6	26°52	9°39	10°23	M 7
T 8	21 44 39	24°41'39	28°47	19° 8	0 <b>m</b> 38	20°42	7°56	25°27	16°52	17° 4	4°33	28°D 5	26°49	9°46	10°22	T 8
W 9	21 48 36	25°39'31	11 <b>×7</b> 50	20°29	1°52	21°21	7°53	25°22	16°50	17° 6	4°32	28° 6	26°46	9°53	10°20	W 9
T 10	21 52 32	26°37'24	2 <u>5</u> °18	21°49	3° 6	21°59	7°50	25°18	16°47	17° 7	4°31	28° 8	26°43	10° 0	10°18	T 10
F 11	21 56 29	27°35'19	9 <b>ට</b> 13	23° 6	4°21	22°38	7°47	25°13	16°45	17° 9	4°30	28° 9	26°40	10° 6	10°16	F 11
S 12	22 0 25	28°33'15	23°35	24°22	5°35	23°16	7°45	25° 9	16°43	17°11	4°29	28°R10	26°36	10°13	10°14	S 12
S 13	22 4 22	29°31'12	8≈21	25°36	6°49	23°55	7°42	25° 4	16°40	17°13	4°28	28°10	26°33	10°20	10°12	S 13
M14	22 8 18	0 Mp 29'10	23°26	26°49	8° 4	24°33	7°40	25° 0	16°38	17°15	4°27	28° 8	26°30	10°26	10°10	M14
T 15	22 12 15	1°27'10	8 <b>)(</b> 40	27°59	9°18	25°12	7°38	24°55	16°36	17°16	4°26	28° 5	26°27	10°33	10° 8	T 15
W16	22 16 11	2°25'12	23°54	29° 7	10°32	25°51	7°37	24°51	16°33	17°18	4°26	28° 0	26°24	10°40	10° 6	W16
T 17	22 20 8	3°23'15	8 <b>Y</b> 58	0 <b>ჲ</b> 13	11°47	26°29	7°35	24°46	16°31	17°20	4°25	27°55	26°20	10°46	10° 4	T 17
F 18	22 24 5	4°21'21	23°42	1°17	13° 1	27° 8	7°34	24°42	16°29	17°21	4°24	27°50	26°17	10°53	10° 2	F 18
S 19	22 28 1	5°19'28	8 <b>8</b> 2	2°18	14°16	27°47	7°32	24°37	16°27	17°23	4°23	27°46	26°14	11° 0	10° 0	S 19
S 20	22 31 58	6°17'37	21°53	3°17	15°30	28°26	7°31	24°33	16°24	17°25	4°22	27°44	26°11	11° 6	9°58	S 20
M21	22 35 54	7°15'49	5 <b>Ⅱ</b> 18	4°13	16°44	29° 5	7°31	24°28	16°22	17°26	4°21	27°D43	26° 8	11°13	9°56	M21
T 22	22 39 51	8°14'03	18°17	5° 7	17°59	29°44	7°30	24°24	16°20	17°28	4°20	27°43	26° 5	11°20	9°53	T 22
W23	22 43 47	9°12'18	0954	5°57	19°13	0 <b>ჲ</b> 23	7°30	24°20	16°18	17°29	4°18	27°45	26° 1	11°26	9°51	W23
T 24	22 47 44	10°10'36	13°14	6°44	20°28	1° 2	7°29	24°16	16°16	17°31	4°17	27°46	25°58	11°33	9°49	T 24
F 25	22 51 40	11° 8'56	25°21	7°28	21°42	1°41	7°D29	24°11	16°14	17°32	4°16	27°R47	25°55	11°40	9°46	F 25
S 26	22 55 37	12° 7'18	7 <b>Ω</b> 19	8° 8	22°56	2°20	7°29	24° 7	16°12	17°34	4°15	27°46	25°52	11°46	9°44	S 26
S 27	22 59 34	13° 5'41	19°11	8°44	24°11	2°59	7°30	24° 3	16° 9	17°35	4°14	27°44	25°49	11°53	9°41	S 27
M28	23 3 30	14° 4'07	1 <b>m</b> y 1	9°15	25°25	3°39	7°30	23°59	16° 7	17°37	4°13	27°39	25°46	12° 0	9°39	M28
T 29	23 7 27	15° 2'35	12°50	9°42	26°40	4°18	7°31	23°55	16° 5	17°38	4°12	27°33	25°42	12° 7	9°36	T 29
W30	23 11 23	16° 1'04	24°41	10° 4	27°54	4°57	<u>7°32</u>	23°51	16° 3	17°39	4°11	2 <u>7</u> °24	2 <u>5</u> °39	12°13	9°34	W30
T 31	23 15 20	16 <b>m</b> 59'35	6 <b>₾</b> 34	10 <b>≏</b> 21	29 <b>m</b> 9	5 <b>≏</b> 36	7 <b>る</b> 33	23≈47	16≈ 2	179541	<b>4Υ</b> 10	27 <b>る</b> 15	25 <b>る</b> 36	12 Mp 20	9 <b>Υ</b> 31	T 31

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	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl l	at
T 1	15n29		3 s 4	8n38		15n30	1n22	6n13		23 s29	0s15			16 s26		21n48					20 s46	5n 2	6n14	2n14
W 2	15 11	2 2	3 52	7 56	0 18	15 7	1 22	5 58	0 50	23 30	0 16	14 26	1 37	16 27	0 44	21 48	0 38	13 51	17 7	20 33	20 47	4 59	6 14	2 14
T 3	14 53	3 s12	4 31	7 14	0 10	14 43	1 23	5 42	0 49	23 30	0 16	14 27	1 37	16 28	0 44	21 47	0 38	13 51	17 8	20 33	20 47	4 56	6 13	2 14
F 4	14 35	8 21	4 58	6 32	0 2	14 18	1 24	5 27	0 49	23 30	0 16	14 29	1 37	16 28	0 44	21 47	0 38	13 52	17 8	20 34	20 48	4 53	6 13	2 14
S 5	14 16	13 14	5 12	5 51	0s 7	13 53	1 24	5 11	0 48	23 31	0 16	14 31	1 37	16 29	0 44	21 47	0 38	13 52	17 8	20 35	20 49	4 50	6 12	2 14
S 6	13 57	17 40	5 13	5 10	0 15	13 28	1 24	4 56	0 48	23 31	0 16	14 32	1 37	16 30	0 44	21 47	0 38	13 53	17 8	20 35	20 49	4 46	6 11	2 14
M 7	13 38	21 27	4 59	4 29	0 24	13 2	1 25	4 40	0 47	23 31	0 16	14 34	1 37	16 31	0 44	21 46	0 38	13 53	17 9	20 35	20 50	4 43	6 11	2 14
T 8	13 19	24 20	4 30	3 48	0 33	12 36	1 25	4 25	0 47	23 32	0 16	14 35	1 37	16 31	0 44	21 46	0 38	13 54	17 9	20 35	20 51	4 40	6 10	2 14
W 9	13 0	26 1	3 47	3 8	0 42	12 10	1 25	4 9	0 46	23 32	0 16	14 37	1 37	16 32	0 44	21 46	0 38	13 55	17 9	20 35	20 51	4 37	6 9	2 14
T 10	12 40	26 15	2 51	2 29	0 51	11 43	1 25	3 53	0 46	23 32	0 16	14 39	1 37	16 33	0 44	21 46	0 38	13 55	17 9	20 35	20 52	4 34	6 9	2 14
F 11	12 20	24 52	1 42	1 50	1 0	11 16	1 25	3 37	0 45	23 32	0 16	14 40	1 37	16 33	0 44	21 45	0 38	13 56	17 10	20 35	20 52	4 31	6 8	2 14
S 12	12 0	21 50	0 25	1 11	1 9	10 49	1 25	3 22	0 45	23 33	0 16	14 42	1 37	16 34	0 44	21 45	0 38	13 56	17 10	20 35	20 53	4 28	6 7	2 14
S 13	11 40	17 19	0n56	0 33	1 18	10 21	1 25	3 6	0 44	23 33	0 17	14 43	1 37	16 35	0 44	21 45	0 38	13 57	17 10	20 35	20 54	4 25	6 6	2 14
M14	11 20	11 38	2 14	0s 4	1 27	9 53	1 25	2 50	0 44	23 33	0 17	14 45	1 37	16 35	0 44	21 45	0 38	13 57	17 10	20 35	20 54	4 22	6 6	2 14
T 15	10 59	5 12	3 23	0 40	1 37	9 25	1 25	2 34	0 43	23 33	0 17	14 47	1 37	16 36	0 44	21 44	0 38	13 58	17 11	20 36	20 55	4 19	6 5	2 14
W16	10 38	1n31	4 18	1 16	1 46	8 56	1 25	2 18	0 43	23 33	0 17	14 48	1 38	16 37	0 44	21 44	0 38	13 58	17 11	20 37	20 55	4 15	6 4	2 14
T 17	10 17	8 4	4 54	1 51	1 55	8 28	1 25	2 3	0 42	23 34	0 17	14 50	1 38	16 38	0 44	21 44	0 38	13 59	17 11	20 38	20 56	4 12	6 3	2 14
F 18	9 56	14 1	5 10	2 25	2 4	7 59	1 24	1 47	0 42	23 34	0 17	14 51	1 38	16 38	0 44	21 44	0 38	14 0	17 11	20 39	20 57	4 9	6 2	2 14
S 19	9 35	19 2	5 6	2 57	2 13	7 30	1 24	1 31	0 41	23 34	0 17	14 53	1 38	16 39	0 44	21 44	0 38	14 0	17 11	20 39	20 57	4 6	6 2	2 14
S 20	9 13	22 51	4 44	3 29	2 22	7 0	1 23	1 15	0 40	23 34	0 17	14 54	1 38	16 40	0 44	21 43	0 38	14 1	17 12	20 40	20 58	4 3	6 1	2 14
M21	8 52	25 17	4 7	4 0	2 31	6 31	1 23	0 59	0 40	23 34	0 17	14 56	1 38	16 40	0 44	21 43	0 38	14 1	17 12	20 40	20 58	4 0	6 0	2 14
T 22	8 30	26 16	3 18	4 29	2 40	6 1	1 22	0 43	0 39	23 34	0 17	14 57	1 38	16 41	0 44	21 43	0 38	14 2	17 12	20 40	20 59	3 57	5 59	2 14
W23	8 8	25 50	2 21	4 57	2 49	5 31	1 21	0 27	0 39	23 34	0 17	14 59	1 38	16 41	0 44	21 43	0 38	14 2	17 12	20 40	21 0	3 54	5 58	2 14
T 24	7 46	24 8	1 18	5 23	2 57	5 1	1 21	0 10	0 38	23 34	0 17	15 0	1 38	16 42	0 44	21 43	0 38	14 3	17 12	20 39	21 0	3 51	5 57	2 14
F 25	7 24	21 20	0 13	5 48	3 5	4 31	1 20	0s 6	0 38	23 34	0 18	15 2	1 38	16 43	0 44	21 42	0 39	14 4	17 12	20 39	21 1	3 48	5 56	2 14
S 26	7 2	17 39	0s51	6 11	3 13	4 1	1 19	0 22	0 37	23 35	0 18	15 3	1 38	16 43	0 44	21 42	0 39	14 4	17 13	20 39	21 1	3 44	5 55	2 14
S 27	6 39	13 19	1 53	6 32	3 20	3 30	1 18	0 38	0 37	23 35	0 18	15 4	1 38	16 44	0 44	21 42	0 39	14 5	17 13	20 40	21 2	3 41	5 54	2 14
M28	6 17	8 30	2 50	6 51	3 27	3 0	1 17	0 54	0 36	23 35	0 18	15 6	1 38	16 45	0 44	21 42	0 39	14 5	17 13	20 41	21 3	3 38	5 53	2 14
T 29	5 54	3 23	3 39	7 7	3 34	2 29	1 16	1 10	0 36	23 35	0 18	15 7	1 38	16 45	0 44	21 42	0 39	14 6	17 13	20 42	21 3	3 35	5 52	2 14
W30	5 32	1 s50	4 18	7 21	3 39	1 59	1 15	1 26	0 35	23 35	0 18	15 9	1 38	16 46	0 44	21 41	0 39	14 6	17 13	20 44			5 51	2 14
T 31	5n 9	7s 0	4 s47	7 s33	3 s45	1n28	1n13	1 s42	0n35	23 s35	0s18	15 s10	1 s38	16 s46	0 s44	21n41	0 s39	14s 7	17s13	20 s46	21 s 4	3n29	5n50	2n14

Julian Day Number = 2298730.5, Delta T = 117.22 sec

Ecliptic obliquity =  $23^{\circ}29'42$ , Nutation =  $0^{\circ}00'16$ , out-of-bounds declination in red

SEPTEMBER 1581 JC 00:00 UT

			•												••••	
Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)મું(	并	В	₽.	v	Ç	Ŗ	Day
F 1	23 19 16	17 m 58'08	18 <b>≏</b> 33	10 <b>≏</b> 32	0 <b>ჲ</b> 23	6 <b>₽</b> 16	7 <b>궁</b> 34	23°R43	16°R 0	179542	4°R 9	27°R 5	25중33	12 <b>m</b> )27	9°R29	F 1
S 2	23 23 13	18°56'43	OM.38	10°R38	1°38	6°55	7°36	23≈39	15≈58	17°43	<b>4Υ</b> 8	26 <b>පි</b> 56	25°30	12°33	9 <b>Υ</b> 26	S 2
S 3	23 27 9	19°55'20	12°52	10°36	2°52	7°35	7°38	23°35	15°56	17°44	4° 6	26°49	25°26	12°40	9°24	S 3
M 4	23 31 6	20°53'59	25°18	10°29	4° 7	8°14	7°40	23°31	15°54	17°46	4° 5	26°43	25°23	12°47	9°21	M 4
T 5	23 35 2	21°52'39	7 <b>.</b> ₹758	10°14	5°21	8°54	7°42	23°28	15°52	17°47	4° 4	26°40	25°20	12°53	9°18	T 5
W 6	23 38 59	22°51'21	20°57	9°52	6°36	9°34	7°44	23°24	15°50	17°48	4° 3	26°D39	25°17	13° 0	9°16	W 6
T 7	23 42 56	23°50'05	4 <b>궁</b> 17	9°23	7°50	10°13	7°46	23°20	15°49	17°49	4° 2	26°39	25°14	13° 7	9°13	T 7
F 8	23 46 52	24°48'51	18° 1	8°47	9° 4	10°53	7°49	23°17	15°47	17°50	4° 1	26°40	25°11	13°13	9°10	F 8
S 9	23 50 49	25°47'38	2≈11	8° 4	10°19	11°33	7°52	23°13	15°45	17°51	4° 0	26°R40	25° 7	13°20	9° 7	S 9
S 10	23 54 45	26°46'27	16°46	7°14	11°33	12°13	7°55	23°10	15°44	17°52	3°58	26°39	25° 4	13°27	9° 5	S 10
M11	23 58 42	27°45'17	1 <b>) (</b> 42	6°18	12°48	12°53	7°58	23° 7	15°42	17°53	3°57	26°35	25° 1	13°33	9° 2	M11
T 12	0 238	28°44'10	16°54	5°18	14° 2	13°32	8° 1	23° 3	15°41	17°54	3°56	26°28	24°58	13°40	8°59	T 12
W13	0 6 3 5	29°43'04	2 <b>Υ</b> 10	4°13	15°17	14°12	8° 5	23° 0	15°39	17°55	3°55	26°20	24°55	13°47	8°56	W13
T 14	0 10 31	0 <b>ჲ</b> 42'00	17°20	3° 5	16°31	14°52	8° 9	22°57	15°38	17°56	3°54	26°10	24°51	13°54	8°54	T 14
F 15	0 14 28	1°40'59	2814	1°57	17°46	15°32	8°13	22°54	15°36	17°57	3°53	26° 1	24°48	14° 0	8°51	F 15
S 16	0 18 25	2°40'00	16°44	0°50	19° 0	16°13	8°17	22°51	15°35	17°58	3°51	25°52	24°45	14° 7	8°48	S 16
S 17	0 22 21	3°39'03	0 <b>П</b> 45	29 <b>m</b> 45	20°15	16°53	8°21	22°48	15°33	17°59	3°50	25°46	24°42	14°14	8°45	S 17
M18	0 26 18	4°38'09	14°15	28°44	21°29	17°33	8°25	22°46	15°32	18° 0	3°49	25°42	24°39	14°20	8°42	M18
T 19	0 30 14	5°37'17	27°17	27°50	22°44	18°13	8°30	22°43	15°31	18° 0	3°48	25°40	24°36	14°27	8°40	T 19
W20	0 34 11	6°36'27	9955	27° 3	23°58	18°53	8°35	22°40	15°30	18° 1	3°47	25°D40	24°32	14°34	8°37	W20
T 21	0 38 7	7°35'40	22°13	26°26	25°12	19°34	8°40	22°38	15°28	18° 2	3°46	25°R40	24°29	14°40	8°34	T 21
F 22	0 42 4	8°34'55	4 <b>Ω</b> 16	25°57	26°27	20°14	8°45	22°35	15°27	18° 3	3°44	25°40	24°26	14°47	8°31	F 22
S 23	0 46 0	9°34'12	16°10	25°40	27°41	20°55	8°50	22°33	15°26	18° 3	3°43	25°38	24°23	14°54	8°28	S 23
S 24	0 49 57	10°33'31	27°59	25°D33	28°56	21°35	8°56	22°31	15°25	18° 4	3°42	25°34	24°20	15° 0	8°25	S 24
M25	0 53 54	11°32'53	9 <b>m</b> /48	25°37	0 <b>M</b> _10	22°16	9° 1	22°28	15°24	18° 4	3°41	25°26	24°17	15° 7	8°23	M25
T 26	0 57 50	12°32'17	21°38	25°52	1°25	22°56	9° 7	22°26	15°23	18° 5	3°40	25°16	24°13	15°14	8°20	T 26
W27	1 1 47	13°31'43	3 <b>₾</b> 33	26°16	2°39	23°37	9°13	22°24	15°22	18° 5	3°39	25° 4	24°10	15°21	8°17	W27
T 28	1 5 43	14°31'11	15°34	26°51	3°54	24°18	9°19	22°22	15°21	18° 6	3°37	24°50	24° 7	15°27	8°14	T 28
F 29	1 9 40	15°30'41	27°43	27°34	5° 8	24°58	9°26	22°20	15°20	18° 6	3°36	2 <u>4</u> °36	2 <u>4</u> ° 4	15°34	8°11	F 29
S 30	1 13 36	16 <b>♀</b> 30'13	9 <b>M</b> .59	28 Mp 26	6ML23	25 <b>₾</b> 39	9 <b>궁</b> 32	22≈19	15≈20	1895 7	3 <b>Ƴ</b> 35	24 <b>궁</b> 23	24중 1	15 <b>m</b> )41	8 <b>Υ</b> 9	S 30

Day	0	2		ğ	i	ç	2	ď	7	2	ŀ	ħ	<u> </u>	)į	ξ(	Ą	Ţ	E	)	n	U	Ç	ķ	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4n46	11s57	5 s 3	7 s42	3 s49	0n57	1n12	1 s58	0n34	23 s35	0s18	15 s11	1 s38	16 s47	0 s44	21n41	0 s39	14s 7	17s13	20 s47	21 s 5	3n26	5n49	2n14
S 2	4 23	16 29	5 5	7 47	3 53	0 26	1 11	2 15	0 33	23 35	0 18	15 12	1 38	16 47	0 44	21 41	0 39	14 8	17 13	20 49	21 5	3 23	5 48	2 14
S 3	4 0	20 24	4 54	7 49	3 55	0s 5	1 9	2 31	0 33	23 35	0 18	15 14	1 38	16 48	0 44	21 41	0 39	14 8	17 14	20 51	21 6	3 20	5 47	2 14
M 4		23 29	4 29	7 47	3 57	0 36	1 8	2 47		23 35	0 18		1 38			21 41	0 39		17 14			3 17	5 46	2 14
T 5		25 29	3 50	7 42	3 57	1 7	1 6	3 3		23 35		15 16	1 38			21 40	0 39			20 52		3 13	5 45	2 14
W 6	-	26 10	2 59	7 32	3 56	1 38	1 5	3 19		23 34		15 17	1 38			21 40	0 39			20 52			5 44	2 14
T 7		25 22	1 57	7 19	3 54	2 9	1 3	3 35		23 34		15 19		16 50		21 40	0 39			20 52			5 43	2 14
F 8			0 46	7 0	3 50	2 40	1 2	3 51		23 34		15 20	1 38			21 40	0 39			20 52			5 42	2 14
S 9	1 41	19 15	0n29	6 38	3 44	3 10	1 0	4 7	0 30	23 34	0 19	15 21	1 38	16 51	0 44	21 40	0 39	14 12	17 14	20 52	21 10	3 1	5 40	2 14
S 10	1 17	14 11	1 45	6 11	3 36	3 41	0 58	4 24	0 29	23 34	0 19	15 22	1 38	16 51	0 44	21 40	0 39	14 12	17 14	20 52	21 10	2 58	5 39	2 14
M11	0 54	8 10	2 56	5 40	3 26	4 12	0 56	4 40	0 28	23 34	0 19	15 23	1 38	16 52	0 44	21 39	0 39	14 13	17 14	20 53	21 11	2 55	5 38	2 14
T 12	0 30	1 35	3 54	5 5	3 15	4 43	0 55	4 56	0 28	23 34	0 19	15 24	1 38	16 52	0 44	21 39	0 39	14 13	17 14	20 54	21 11	2 52	5 37	2 14
W13	0 7	5n 6	4 37	4 27	3 1	5 13	0 53	5 12	0 27	23 34	0 19	15 25	1 38	16 53	0 44	21 39	0 39	14 14	17 14	20 56	21 12	2 49	5 36	2 14
T 14	0s17	11 26	5 0	3 46	2 46	5 44	0 51	5 28	0 27	23 33	0 19	15 26	1 38	16 53	0 44	21 39	0 39	14 14	17 14	20 58	21 12	2 46	5 35	2 14
F 15	0 40	16 59	5 1	3 3	2 29	6 14	0 49	5 44	0 26	23 33	0 19	15 27	1 38	16 54	0 44	21 39	0 39	14 15	17 14	21 0	21 13	2 42	5 34	2 13
S 16	1 4	21 24	4 44	2 20	2 11	6 44	0 47	6 0	0 26	23 33	0 19	15 28	1 38	16 54	0 44	21 39	0 39	14 15	17 14	21 1	21 14	2 39	5 32	2 13
S 17	1 27	24 25	4 9	1 36	1 52	7 14	0 45	6 16	0 25	23 33	0 19	15 29	1 37	16 54	0 44	21 39	0 39	14 16	17 14	21 2	21 14	2 36	5 31	2 13
M18	1 51	25 54	3 21	0 54	1 31	7 44	0 42	6 32	0 25	23 33	0 19	15 30	1 37	16 55	0 44	21 39	0 39	14 16	17 14	21 3	21 15	2 33	5 30	2 13
T 19	2 14	25 53	2 25	0 13	1 11	8 14	0 40	6 47	0 24	23 32	0 19	15 31	1 37	16 55	0 44	21 38	0 39	14 16	17 14	21 4	21 15	2 30	5 29	2 13
W20	2 38	24 30	1 23	0n24	0 51	8 44	0 38	7 3	0 23	23 32	0 19	15 31	1 37	16 55	0 44	21 38	0 39	14 17	17 14	21 4	21 16	2 27	5 28	2 13
T 21	3 1	21 58	0 18	0 57	0 31	9 13	0 36	7 19	0 23	23 32	0 19	15 32	1 37	16 56	0 44	21 38	0 39	14 17	17 14	21 4	21 16	2 24	5 26	2 13
F 22	3 25	18 30	0 s46	1 26	0 11	9 42	0 34	7 35		23 32		15 33		16 56		21 38	0 39				21 17		5 25	2 13
S 23	3 48	14 20	1 47	1 50	0n 7	10 11	0 31	7 51	0 22	23 31	0 19	15 34	1 37	16 56	0 44	21 38	0 39	14 18	17 14	21 4	21 17	2 18	5 24	2 13
S 24	4 11	9 40	2 42	2 9	0 25	10 40	0 29	8 6	0 21	23 31	0 19	15 34	1 37	16 57	0 44	21 38	0 39	14 19	17 14	21 5	21 18	2 15	5 23	2 13
M25	4 35	4 39	3 31	2 22	0 41	11 9	0 27	8 22	0 21	23 31	0 20	15 35	1 37	16 57	0 43	21 38	0 39	14 19	17 14	21 6	21 19	2 12	5 22	2 13
T 26	4 58	0s31	4 11	2 30	0 55	11 37	0 24	8 38	0 20	23 30	0 20	15 36	1 37	16 57	0 43	21 38	0 39	14 19	17 14	21 8	21 19	2 8	5 20	2 13
W27	5 21	5 41	4 39	2 32	1 8	12 5	0 22	8 53	0 19	23 30	0 20	15 36	1 37	16 57	0 43	21 38	0 39	14 20	17 14	21 10	21 20	2 5	5 19	2 13
T 28	5 44	10 41	4 56	2 29	1 20	12 33	0 19	9 9	0 19	23 30	0 20	15 37	1 37	16 58	0 43	21 38	0 39	14 20	17 14	21 13	21 20	2 2	5 18	2 12
F 29	6 7	15 20	4 59	2 21	1 30	13 0	0 17	9 24	0 18	23 29	0 20	15 37	1 37	16 58	0 43	21 38	0 39	14 21	17 14	21 15	21 21	1 59	5 17	2 12
S 30	6 s 3 0	19 s24	4 s 4 9	2n 8	1n39	$13\mathrm{s}27$	0n14	9 s40	0n18	23 s29	0 s20	15 s38	1 s37	16 s58	0 s43	21n37	0 s39	14 s21	17s14	21 s18	$21\mathrm{s}21$	1n56	5n16	2n12

Julian Day Number = 2298761.5, Delta T = 117.07 sec

Ecliptic obliquity = 23°29'42, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°54'09, Lahiri = 18°01'09 Julian Calendar 1 Sept. 1581 == Greg. Calendar 11 Sept. 1581

OCTOBER 1581 JC 00:00 UT

•••																
Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)Å(	卉	Р	v	v	Ç	ę,	Day
S 1	1 17 33	17 <b>≏</b> 29'47	22 <b>M</b> 25	29 <b>m</b> 25	7 <b>M</b> 37	26 <u>₽</u> 20	9 <b>云</b> 39	22°R17	15°R19	1895 7	3°R34	24°R11	23 <b>궁</b> 57	15 <b>m</b> )47	8°R 6	S 1
M 2	1 21 29	18°29'24	5 <b>₹</b> 0	0 <u>م</u> 31	8°51	27° 1	9°45	22≈16	15≈18	18° 8	3 <b>Υ</b> 33	24る 2	23°54	15°54	8 <b>Y</b> 3	M 2
T 3	1 25 26	19°29'02	17°48	1°43	10° 6	27°42	9°52	22°14	15°18	18° 8	3°32	23°57	23°51	16° 1	8° 0	T 3
W 4	1 29 23	20°28'41	0 <b>궁</b> 49	2°59	11°20	28°23	9°59	22°13	15°17	18° 8	3°31	23°54	23°48	16° 7	7°57	W 4
T 5	1 33 19	21°28'23	14° 7	4°20	12°35	29° 4	10° 7	22°12	15°17	18° 8	3°29	23°53	23°45	16°14	7°55	T 5
F 6	1 37 16	22°28'06	27°43	5°45	13°49	29°45	10°14	22°10	15°16	18° 9	3°28	23°53	23°42	16°21	7°52	F 6
S 7	1 41 12	23°27'51	11 <b>≈</b> 40	7°13	15° 4	0 <b>M</b> .26	10°22	22° 9	15°16	18° 9	3°27	23°52	23°38	16°27	7°49	S 7
S 8	1 45 9	24°27'38	25°58	8°43	16°18	1° 7	10°29	22° 8	15°15	18° 9	3°26	23°50	23°35	16°34	7°47	S 8
M 9	1 49 5	25°27'26	10 <b>∺</b> 36	10°16	17°32	1°48	10°37	22° 8	15°15	18° 9	3°25	23°45	23°32	16°41	7°44	M 9
T 10	1 53 2	26°27'16	25°29	11°50	18°47	2°30	10°45	22° 7	15°15	18° 9	3°24	23°38	23°29	16°48	7°41	T 10
W11	1 56 58	27°27'08	10 <b>Y</b> 30	13°26	20° 1	3°11	10°53	22° 6	15°14	18°R 9	3°23	23°28	23°26	16°54	7°39	W11
T 12	2 0 55	28°27'01	25°30	15° 3	21°15	3°52	11° 1	22° 6	15°14	18° 9	3°22	23°16	23°23	17° 1	7°36	T 12
F 13	2 4 52	29°26'57	10 <b>8</b> 19	16°40	22°30	4°34	11°10	22° 5	15°14	18° 9	3°21	23° 4	23°19	17° 8	7°33	F 13
S 14	2 8 48	0 <b>M</b> 26'54	24°48	18°18	23°44	5°15	11°18	22° 5	15°14	18° 9	3°20	22°54	23°16	17°14	7°31	S 14
S 15	2 12 45	1°26'54	8 <b>I</b> I51	19°57	24°59	5°57	11°27	22° 5	15°D14	18° 9	3°19	22°46	23°13	17°21	7°28	S 15
M16	2 16 41	2°26'56	22°26	21°36	26°13	6°38	11°36	22° 5	15°14	18° 9	3°18	22°40	23°10	17°28	7°26	M16
T 17	2 20 38	3°27'00	5933	23°15	27°27	7°20	11°44	22°D 5	15°14	18° 9	3°17	22°37	23° 7	17°34	7°23	T 17
W18	2 24 34	4°27'06	18°15	24°54	28°42	8° 1	11°54	22° 5	15°14	18° 8	3°16	22°D36	23° 3	17°41	7°21	W18
T 19	2 28 31	5°27'14	0 <b>Ω</b> 36	26°33	29°56	8°43	12° 3	22° 5	15°14	18° 8	3°15	22°R36	23° 0	17°48	7°18	T 19
F 20	2 32 27	6°27'25	12°40	28°12	1 <b>才</b> 10	9°25	12°12	22° 5	15°14	18° 8	3°14	22°36	22°57	17°54	7°16	F 20
S 21	2 36 24	7°27'37	24°35	29°51	2°25	10° 7	12°21	22° 5	15°15	18° 8	3°13	22°34	22°54	18° 1	7°14	S 21
S 22	2 40 21	8°27'51	6Mp25	1 <b>M</b> 29	3°39	10°49	12°31	22° 6	15°15	18° 7	3°12	22°31	22°51	18° 8	7°11	S 22
M23	2 44 17	9°28'08	18°14	3° 8	4°53	11°31	12°41	22° 7	15°15	18° 7	3°11	22°25	22°48	18°15	7° 9	M23
T 24	2 48 14	10°28'26	0요 7	4°46	6° 7	12°13	12°50	22° 7	15°16	18° 6	3°10	22°16	22°44	18°21	7° 7	T 24
W25	2 52 10	11°28'46	12° 7	6°23	7°22	12°55	13° 0	22° 8	15°16	18° 6	3° 9	22° 5	22°41	18°28	7° 5	W25
T 26	2 56 7	12°29'08	24°17	8° 1	8°36	13°37	13°10	22° 9	15°17	18° 5	3° 8	21°52	22°38	18°35	7° 2	T 26
F 27	3 0 3	13°29'32	6 <b>M</b> .38	9°38	9°50	14°19	13°20	22°10	15°17	18° 5	3° 8	21°39	22°35	18°41	7° 0	F 27
S 28	3 4 0	14°29'58	19° 9	11°15	11° 5	15° 1	13°30	22°11	15°18	18° 4	3° 7	21°26	22°32	18°48	6°58	S 28
S 29	3 7 56	15°30'26	1 <b>∡</b> 752	12°52	12°19	15°43	13°41	22°12	15°19	18° 4	3° 6	21°16	22°28	18°55	6°56	S 29
M30	3 11 53	16°30'55	14°46	14°28	13°33	16°25	13°51	22°14	15°19	18° 3	3° 5	21° 8	22°25	19° 1	6°54	M30
T 31	3 15 50	17 <b>M</b> _31'25	27 <b>×</b> 751	16 <b>M</b> 4	14 <b>×7</b> 47	17 <b>M</b> 8	14る 2	22≈15	15≈20	1895 3	3 <b>Υ</b> 4	21る 3	22 <b>る</b> 22	19 <b>m</b> 8	6 <b>℃</b> 52	T 31

Day	0	J		ζ	5	ς	2	ð	1	2	+	ħ	<u> </u>	)į	<del>j</del> (	j	ŧ	Е	)	n	v	Ç	ķ	
	decl	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl la	at
S 1	6 s 5 3	22 s41	4s25	1n51	1n46	13 s54	0n12	9 s55	0n17	23 s28	0 s20	15 s38	1 s37	16 s58	0 s43	21n37	0 s39	14s21	17s14	21 s20	21 s22	1n53	5n14	2n12
M 2	7 16	24 55	3 47	1 30	1 52	14 20	0 9	10 11	0 17	23 28	0 20	15 39	1 37	16 58	0 43	21 37	0 39	14 22	17 14	21 21	21 22	1 50	5 13	2 12
T 3	7 38	25 53	2 58	1 6	1 56	14 47	0 6	10 26	0 16	23 27	0 20	15 39	1 36	16 59	0 43	21 37	0 39	14 22	17 14	21 22	21 23	1 47	5 12	2 12
W 4	8 1	25 28	1 59	0 38	2 0	15 12	0 4	10 41	0 15	23 27	0 20	15 39	1 36	16 59	0 43	21 37	0 39	14 22	17 13	21 23	21 24	1 44	5 11	2 12
T 5	8 23	23 36	0 51	0 8	2 2	15 38	0 1	10 56	0 15	23 27	0 20	15 40	1 36	16 59	0 43	21 37	0 39	14 23	17 13	21 23	21 24	1 41	5 10	2 12
F 6	8 46	20 20	0n20	0 s24	2 3	16 3	0 s 1	11 11	0 14	23 26	0 20	15 40	1 36	16 59	0 43	21 37	0 39	14 23	17 13	21 23	21 25	1 38	5 9	2 12
S 7	9 8	15 51	1 33	0 59	2 3	16 27	0 4	11 26	0 14	23 25	0 20	15 40	1 36	16 59	0 43	21 37	0 39	14 23	17 13	21 23	21 25	1 35	5 7	2 12
S 8	9 30	10 22	2 41	1 35	2 3	16 51	0 7	11 41	0 13	23 25	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 24	17 13	21 23	21 26	1 31	5 6	2 11
M 9	9 52	4 13	3 40	2 13	2 1	17 15	0 9	11 56	0 12	23 24	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 24	17 13	21 24	21 26	1 28	5 5	2 11
T 10	10 14	2n16	4 25	2 51	1 59	17 38	0 12	12 11	0 12	23 24	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 24	17 13	21 25	21 27	1 25	5 4	2 11
W11	10 35	8 39	4 53	3 31	1 57	18 1	0 15	12 26	0 11	23 23	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 13	21 27	21 27	1 22	5 3	2 11
T 12	10 57	14 32	5 0	4 12	1 53	18 24	0 17	12 40	0 11	23 23	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 12	21 29	21 28	1 19	5 2	2 11
F 13	11 18	19 29	4 47	4 53	1 50	18 46	0 20	12 55	0 10	23 22	0 20	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 12	21 31	21 28	1 16	5 0	2 11
S 14	11 39	23 8	4 16	5 34	1 46	19 7	0 23	13 9	0 10	23 21	0 21	15 41	1 36	16 59	0 43	21 37	0 39	14 25	17 12	21 33	21 29	1 13	4 59	2 11
S 15	12 0	25 16	3 29	6 16	1 41	19 28	0 25	13 24	0 9	23 21	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 12	21 34	21 30	1 10	4 58	2 11
M16	12 21	25 49	2 32	6 57	1 36	19 48	0 28	13 38	0 8	23 20	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 12	21 35	21 30	1 7	4 57	2 10
T 17	12 42	24 52	1 29	7 39	1 31	20 8	0 31	13 52	0 8	23 19	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 11	21 36	21 31	1 4	4 56	2 10
W18	13 2	22 38	0 23	8 21	1 25	20 27	0 33	14 6	0 7	23 18	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 11	21 36	21 31	1 1	4 55	2 10
T 19	13 22	19 23	0 s42	9 2	1 19	20 46	0 36	14 20	0 7	23 18	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 26	17 11	21 36	21 32	0 58	4 54	2 10
F 20	13 42	15 23	1 44	9 43	1 13	21 4	0 39	14 34	0 6	23 17	0 21	15 41	1 35	16 59	0 43	21 37	0 39	14 27	17 11	21 36	21 32	0 55	4 53	2 10
S 21	14 2	10 50	2 41	10 24	1 7	21 22	0 41	14 48	0 5	23 16	0 21	15 40	1 35	16 59	0 43	21 37	0 39	14 27	17 11	21 36	21 33	0 51	4 52	2 10
S 22	14 21	5 56	3 30	11 4	1 1	21 39	0 44	15 2	0 5	23 15	0 21	15 40	1 35	16 59	0 43	21 37	0 39	14 27	17 10	21 37	21 33	0 48	4 51	2 10
M23	14 41	0 50	4 10	11 44	0 55	21 55	0 46	15 15	0 4	23 14	0 21	15 40	1 35	16 59	0 43	21 37	0 39	14 27	17 10	21 38	21 34	0 45	4 50	2 9
T 24	15 0	4s19	4 40	12 23	0 48	22 11	0 49	15 29	0 4	23 13	0 21	15 40	1 35	16 58	0 43	21 37	0 39	14 27	17 10	21 39	21 34	0 42	4 49	2 9
W25	15 19	9 21	4 57	13 2	0 41	22 26	0 52	15 42	0 3	23 12	0 21	15 39	1 34	16 58	0 43	21 37	0 39	14 27	17 10	21 41	21 35	0 39	4 47	2 9
T 26	15 37	14 6	5 1	13 40	0 35	22 41	0 54	15 55	0 2	23 12	0 21	15 39	1 34	16 58	0 43	21 37	0 39	14 28	17 10	21 43	21 35	0 36	4 46	2 9
F 27	15 56	18 20	4 51	14 17	0 28	22 55	0 57	16 9	0 2	23 11	0 21	15 38	1 34	16 58	0 42	21 37	0 39	14 28	17 9	21 45	21 36	0 33	4 45	2 9
S 28	16 14	21 50	4 28	14 54	0 21	23 8	0 59	16 22	0 1	23 10	0 21	15 38	1 34	16 58	0 42	21 37	0 39	14 28	17 9	21 47	21 36	0 30	4 45	2 9
S 29	16 31	24 20	3 50	15 30	0 15	23 20	1 1	16 34	0 1	23 9	0 21	15 37	1 34	16 57	0 42	21 38	0 39	14 28	17 9	21 49	21 37	0 27	4 44	2 9
M30	16 49	25 36	3 0	16 5	0 8	23 32	1 4	16 47	0 s 0	23 8	0 21	15 37	1 34	16 57	0 42	21 38	0 39	14 28	17 9	21 50	21 37	0 24	4 43	2 8
T 31	17s 6	25 s29	2s 0	16 s40	0n 1	23 s43	1s 6	17s 0	0 s 1	23 s 7	0 s21	15 s36	1 s34	16 s57	0 s42	21n38	0 s39	14 s28	17s 8	21 s51	21 s38	0n21	4n42	2n 8

Julian Day Number = 2298791.5, Delta T = 116.93 sec

Ecliptic obliquity =  $23^{\circ}29'41$ , Nutation =  $0^{\circ}00'14$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°54'13, Lahiri = 18°01'14 Julian Calendar 1 Oct. 1581 == Greg. Calendar 11 Oct. 1581

NOVEMBER 1581 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)મ(	并	В	S.	v	Ç	Ŗ	Day
W 1	3 19 46	18 <b>M</b> 31'57	11중 7	17 <b>M</b> 39	16 <b>₹</b> 2	17 <b>M</b> 50	14 <b>궁</b> 13	22≈17	15≈21	18°R 2	3°R 3	21°R 0	22 <b>る</b> 19	19 <b>m</b> )15	6°R50	W 1
T 2	3 23 43	19°32'31	24°34	19°15	17°16	18°33	14°23	22°18	15°22	1899 1	3 <b>Υ</b> 3	21°D 0	22°16	19°22	6 <b>Ƴ</b> 48	T 2
F 3	3 27 39	20°33'05	8≈14	20°50	18°30	19°15	14°34	22°20	15°23	18° 1	3° 2	21중 1	22°13	19°28	6°46	F 3
S 4	3 31 36	21°33'41	22° 6	22°25	19°44	19°58	14°45	22°22	15°24	18° 0	3° 1	21°R 1	22° 9	19°35	6°45	S 4
S 5	3 35 32	22°34'18	6 <b>∺</b> 13	24° 0	20°58	20°40	14°56	22°24	15°25	17°59	3° 1	21° 0	22° 6	19°42	6°43	S 5
M 6	3 39 29	23°34'55	20°32	25°34	22°13	21°23	15° 7	22°26	15°26	17°58	3° 0	20°57	22° 3	19°48	6°41	M 6
T 7	3 43 25	24°35'35	5 <b>Υ</b> 1	27° 9	23°27	22° 5	15°19	22°28	15°27	17°57	2°59	20°52	22° 0	19°55	6°39	T 7
W 8	3 47 22	25°36'15	19°36	28°43	24°41	22°48	15°30	22°30	15°28	17°56	2°59	20°44	21°57	20° 2	6°38	W 8
T 9	3 51 19	26°36'56	4810	0 <b>才</b> 17	25°55	23°31	15°41	22°32	15°29	17°56	2°58	20°36	21°54	20° 8	6°36	T 9
F 10	3 55 15	27°37'39	18°37	1°51	27° 9	24°14	15°53	22°35	15°31	17°55	2°57	20°27	21°50	20°15	6°35	F 10
S 11	3 59 12	28°38'23	2耳50	3°25	28°23	24°57	16° 5	22°37	15°32	17°54	2°57	20°18	21°47	20°22	6°33	S 11
S 12	4 3 8	29°39'09	16°43	4°58	29°37	25°39	16°16	22°40	15°33	17°53	2°56	20°12	21°44	20°29	6°32	S 12
M13	4 7 5	0 <b>₹</b> 39'56	0ഇ13	6°32	0 <b>궁</b> 51	26°22	16°28	22°43	15°35	17°52	2°56	20° 8	21°41	20°35	6°30	M13
T 14	4 11 1	1°40'44	13°20	8° 5	2° 5	27° 5	16°40	22°46	15°36	17°51	2°55	20° 6	21°38	20°42	6°29	T 14
W15	4 14 58	2°41'34	26° 3	9°39	3°19	27°48	16°52	22°48	15°38	17°50	2°55	20°D 6	21°34	20°49	6°28	W15
T 16	4 18 54	3°42'25	$8\Omega$ 27	11°12	4°33	28°32	17° 4	22°51	15°39	17°48	2°54	20° 7	21°31	20°55	6°26	T 16
F 17	4 22 51	4°43'17	20°35	12°45	5°47	29°15	17°16	22°55	15°41	17°47	2°54	20° 8	21°28	21° 2	6°25	F 17
S 18	4 26 48	5°44'11	2 Mp 32	14°19	7° 1	29°58	17°28	22°58	15°42	17°46	2°53	20°R 9	21°25	21° 9	6°24	S 18
S 19	4 30 44	6°45'06	14°24	15°52	8°15	0 <b>∡</b> 741	17°40	23° 1	15°44	17°45	2°53	20° 9	21°22	21°16	6°23	S 19
M20	4 34 41	7°46'02	26°15	17°25	9°29	1°24	17°53	23° 4	15°46	17°44	2°52	20° 7	21°19	21°22	6°22	M20
T 21	4 38 37	8°47'00	8 <b>₾</b> 10	18°58	10°43	2° 8	18° 5	23° 8	15°48	17°43	2°52	20° 3	21°15	21°29	6°21	T 21
W22	4 42 34	9°47'58	20°13	20°31	11°57	2°51	18°18	23°11	15°49	17°41	2°52	19°57	21°12	21°36	6°20	W22
T 23	4 46 30	10°48'58	2M29	22° 4	13°11	3°35	18°30	23°15	15°51	17°40	2°51	19°51	21° 9	21°42	6°19	T 23
F 24	4 50 27	11°50'00	14°59	23°37	14°24	4°18	18°43	23°19	15°53	17°39	2°51	19°43	21° 6	21°49	6°19	F 24
S 25	4 54 23	12°51'02	27°45	25° 9	15°38	5° 2	18°56	23°23	15°55	17°37	2°51	19°36	21° 3	21°56	6°18	S 25
S 26	4 58 20	13°52'05	10 <b>∡</b> 746	26°42	16°52	5°45	19° 8	23°27	15°57	17°36	2°50	19°31	21° 0	22° 2	6°17	S 26
M27	5 2 17	14°53'09	24° 2	28°14	18° 6	6°29	19°21	23°31	15°59	17°35	2°50	19°26	20°56	22° 9	6°16	M27
T 28	5 6 13	15°54'14	7 <b>云</b> 31	29°47	19°19	7°13	19°34	23°35	16° 1	17°33	2°50	19°24	20°53	22°16	6°16	T 28
W29	5 10 10	16°55'19	21°12	1 <b>る</b> 18	20°33	7°57	19°47	23°39	16° 3	17°32	2°50	19°D23	20°50	22°23	6°15	W29
T 30	5 14 6	17 <b>∡</b> 756'25	5≈ 2	2 <b>궁</b> 50	21 <b>궁</b> 47	8 <b>~</b> 140	20중 0	23≈43	16≈ 6	179531	2 <b>Υ</b> 50	19 <b>궁</b> 24	20중47	22 m 29	6 <b>Υ</b> 15	T 30

Day	0	D	ğ	·	ď	4	ħ	)‡(	<del>1</del>	Р	& U	Ç	Š
	decl	decl lat	decl la	nt decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
W 1	17 s23	23 s54 0 s53	17s14 (	0s 6 23 s54 1s 9	17 s12 0 s 1	23 s 5 0 s21	15 s 36 1 s 34	16 s 57 0 s 42	21n38 0s39	14s28 17s 8	21 s51 21 s39	0n18	4n41 2n 8
T 2	17 39	20 57 0n19	17 46	0 12 24 4 1 11	17 25 0 2	23 4 0 22	15 35 1 34	16 56 0 42	21 38 0 39	14 28 17 8	21 51 21 39	0 15	4 40 2 8
F 3	17 56	16 47 1 31	18 18 (	0 19 24 13 1 13	17 37 0 2	23 3 0 22	15 34 1 34	16 56 0 42	21 38 0 39	14 28 17 8	21 51 21 40	0 12	4 39 2 8
S 4	18 12	11 41 2 38	18 50	0 25 24 21 1 15	17 49 0 3	23 2 0 22	15 34 1 34	16 56 0 42	21 38 0 39	14 28 17 7	21 51 21 40	0 9	4 38 2 8
S 5	18 27	5 53 3 37	19 20 (	0 32 24 29 1 18	18 1 0 4	23 1 0 22	15 33 1 33	16 55 0 42	21 38 0 39	14 28 17 7	21 51 21 41	0 5	4 37 2 7
M 6	18 43	0n17 4 24	19 49 (	0 38 24 36 1 20	18 13 0 4	23 0 0 22	15 32 1 33	16 55 0 42	21 38 0 39	14 28 17 7	21 51 21 41	0 2	4 36 2 7
T 7	18 58	6 29 4 54	20 17	0 45 24 42 1 22	18 25 0 5	22 58 0 22	15 32 1 33	16 55 0 42	21 38 0 39	14 28 17 6	21 52 21 42	0s 1	4 36 2 7
W 8	19 12	12 23 5 5	20 45 (	0 51 24 47 1 24	18 36 0 5	22 57 0 22	15 31 1 33	16 54 0 42	21 38 0 39	14 28 17 6	21 53 21 42	0 4	4 35 2 7
T 9	19 27	17 35 4 57	21 11 (	0 57 24 52 1 26	18 48 0 6	22 56 0 22	15 30 1 33	16 54 0 42	21 39 0 39	14 28 17 6	21 55 21 43	0 7	4 34 2 7
F 10	19 41	21 43 4 30	21 36	1 3 24 56 1 28	18 59 0 7	22 55 0 22	15 29 1 33	16 54 0 42	21 39 0 39	14 28 17 6	21 56 21 43	0 10	4 33 2 7
S 11	19 54	24 28 3 46	22 0	1 9 24 59 1 30	19 10 0 7	22 53 0 22	15 28 1 33	16 53 0 42	21 39 0 39	14 28 17 5	21 57 21 44	0 13	4 32 2 6
S 12	20 7	25 39 2 50	22 23	1 14 25 1 1 32	19 21 0 8	22 52 0 22	15 27 1 33	16 53 0 42	21 39 0 39	14 28 17 5	21 58 21 44	0 16	4 32 2 6
M13	20 20	25 15 1 45	22 45	1 20 25 3 1 33	19 32 0 9	22 51 0 22	15 26 1 33	16 52 0 42	21 39 0 39	14 28 17 5	21 59 21 45	0 19	4 31 2 6
T 14	20 33	23 26 0 36	23 6	1 25 25 4 1 35	19 42 0 9	22 49 0 22	15 25 1 33	16 52 0 42	21 39 0 39	14 28 17 4	21 59 21 45	0 22	4 30 2 6
W15	20 45	20 28 0 s32	23 26	1 30 25 4 1 37	19 53 0 10	22 48 0 22	15 24 1 32	16 51 0 42	21 39 0 39	14 28 17 4	21 59 21 46	0 25	4 30 2 6
T 16	20 56	16 37 1 38	23 44	1 35 25 3 1 39	20 3 0 10	22 46 0 22	15 23 1 32	16 51 0 42	21 39 0 39	14 28 17 4	21 59 21 46	0 28	4 29 2 6
F 17	21 8	12 11 2 37	24 2	1 40 25 2 1 40	20 13 0 11	22 45 0 22	15 22 1 32	16 50 0 42	21 40 0 39	14 28 17 3	21 59 21 47	0 31	4 28 2 5
S 18	21 19	7 20 3 29	24 18	1 44 25 0 1 42	20 23 0 12	22 43 0 22	15 21 1 32	16 50 0 42	21 40 0 39	14 28 17 3	21 59 21 47	0 34	4 28 2 5
S 19	21 29	2 17 4 12	24 33	1 49 24 57 1 43	20 32 0 12	22 42 0 22	15 20 1 32	16 49 0 42	21 40 0 39	14 27 17 3	21 59 21 48	0 37	4 27 2 5
M20	21 39	2 s 5 0 4 4 3	24 46	1 53 24 53 1 44	20 42 0 13	22 40 0 23	15 18 1 32	16 49 0 42	21 40 0 39	14 27 17 2	21 59 21 48	0 40	4 27 2 5
T 21	21 49	7 53 5 3	24 58	1 56 24 49 1 46	20 51 0 13	22 39 0 23	15 17 1 32	16 48 0 42	21 40 0 39	14 27 17 2	22 0 21 49	0 43	4 26 2 5
W22	21 58	12 42 5 10	25 9 2	2 0 24 44 1 47	21 0 0 14	22 37 0 23	15 16 1 32	16 48 0 42	21 40 0 39	14 27 17 2	22 0 21 49	0 46	4 25 2 4
T 23	22 7	17 5 5 2	25 18	2 3 24 38 1 48	21 9 0 15	22 35 0 23	15 15 1 32	16 47 0 42	21 40 0 39	14 27 17 1	22 1 21 50	0 49	4 25 2 4
F 24	22 16	20 50 4 40	25 26	2 6 24 31 1 49	21 18 0 15	22 34 0 23	15 13 1 32	16 46 0 42	21 41 0 39	14 27 17 1	22 2 21 50	0 52	4 24 2 4
S 25	22 24	23 40 4 4	25 33	2 9 24 24 1 50	21 27 0 16	22 32 0 23	15 12 1 32	16 46 0 42	21 41 0 39	14 26 17 1	22 3 21 51	0 55	4 24 2 4
S 26	22 31	25 19 3 15	25 38	2 11 24 16 1 51	21 35 0 17	22 30 0 23	15 11 1 32	16 45 0 42	21 41 0 39	14 26 17 0	22 4 21 51	0 58	4 24 2 4
M27	22 38	25 35 2 14	25 42	2 13 24 7 1 52	21 43 0 17	22 28 0 23	15 9 1 31	16 44 0 42	21 41 0 39	14 26 17 0	22 5 21 52	1 2	4 23 2 3
T 28	22 45	24 21 1 4	25 44	2 14 23 58 1 53	21 51 0 18	22 27 0 23	15 8 1 31	16 44 0 41	21 41 0 39	14 26 17 0	22 5 21 52	1 5	4 23 2 3
W29	22 51	21 39 0n10	25 44	2 15 23 47 1 54	21 59 0 18	22 25 0 23	15 6 1 31	16 43 0 41	21 42 0 39	14 26 16 59	22 5 21 53	1 8	4 22 2 3
T 30	$22\mathrm{s}57$	17 s41 1n25	25 s43	2s16 23s36 1s54	22 s 7 0 s 19	22 s23 0 s23	15 s 5 1 s 31	16 s42 0 s41	21n42 0s39	14s25 16s59	22 s 5 21 s53	1s11	4n22 2n 3
1 30	22837	1 / 541 11123	23843	2510 25850 1854	228 / 0819	22823 0823	138 3 1831	10542 0541	211142 0839	14823 10839	228 3 21833	1811	41122 21

Julian Day Number = 2298822.5, Delta T = 116.78 sec

Ecliptic obliquity = 23°29'41, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°54'17, Lahiri = 18°01'18 Julian Calendar 1 Nov. 1581 == Greg. Calendar 11 Nov. 1581

DECEMBER 1581 JC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	Ж(	卉	Р	n	Ω	Ç	, k	Day
F 1	5 18 3	18 <b>×</b> 757'31	18≈59	4 <b>ට</b> 21	23号 0	9 <b>∡</b> 124	20중13	23≈47	16≈ 8	17°R29	2°R49	19 <b>る</b> 26	20 <b>궁</b> 44	22 Mp 36	6°R15	F 1
S 2	5 21 59	19°58'38	3 <b>)</b> € 2	5°51	24°14	10° 8	20°26	23°52	16°10	179528	2 <b>Υ</b> 49	19°27	20°40	22°43	6 <b>Υ</b> 14	S 2
S 3	5 25 56	20°59'45	17°10	7°21	25°28	10°52	20°40	23°56	16°12	17°26	2°49	19°R28	20°37	22°49	6°14	S 3
M 4	5 29 52	22° 0'52	1Υ20	8°50	26°41	11°36	20°53	24° 1	16°15	17°25	2°49	19°28	20°34	22°56	6°14	M 4
T 5	5 33 49	23° 1'59	15°31	10°17	27°55	12°20	21° 6	24° 5	16°17	17°23	2°49	19°26	20°31	23° 3	6°13	T 5
W 6	5 37 46	24° 3'07	29°41	11°44	29° 8	13° 4	21°19	24°10	16°20	17°22	2°49	19°23	20°28	23°10	6°13	W 6
T 7	5 41 42	25° 4'14	13 <b>8</b> 46	13° 9	0≈21	13°48	21°33	24°15	16°22	17°20	2°D49	19°20	20°25	23°16	6°D13	T 7
F 8	5 45 39	26° 5'22	27°43	14°32	1°35	14°32	21°46	24°20	16°24	17°19	2°49	19°16	20°21	23°23	6°13	F 8
S 9	5 49 35	27° 6'30	11 <b>II</b> 28	15°52	2°48	15°16	22° 0	24°25	16°27	17°17	2°49	19°13	20°18	23°30	6°13	S 9
S 10	5 53 32	28° 7'39	24°59	17°11	4° 1	16° 1	22°13	24°30	16°30	17°16	2°49	19°10	20°15	23°36	6°13	S 10
M11	5 57 28	29° 8'48	89913	18°26	5°14	16°45	22°27	24°35	16°32	17°14	2°49	19° 9	20°12	23°43	6°14	M11
T 12	6 1 25	0궁 9'57	21° 9	19°38	6°28	17°29	22°40	24°40	16°35	17°12	2°49	19°D 9	20° 9	23°50	6°14	T 12
W13	6 5 22	1°11'06	3 <b>Ω</b> 47	20°45	7°41	18°14	22°54	24°45	16°37	17°11	2°49	19° 9	20° 6	23°57	6°14	W13
T 14	6 9 18	2°12'16	16°10	21°48	8°54	18°58	23° 8	24°51	16°40	17° 9	2°49	19°11	20° 2	24° 3	6°15	T 14
F 15	6 13 15	3°13'26	28°18	22°46	10° 7	19°43	23°22	24°56	16°43	17° 7	2°50	19°12	19°59	24°10	6°15	F 15
S 16	6 17 11	4°14'36	10 <b>m</b> )17	23°37	11°20	20°27	23°35	25° 1	16°46	17° 6	2°50	19°13	19°56	24°17	6°15	S 16
S 17	6 21 8	5°15'46	22°10	24°20	12°32	21°12	23°49	25° 7	16°48	17° 4	2°50	19°14	19°53	24°23	6°16	S 17
M18	6 25 4	6°16'57	4 <b>♀</b> 2	24°56	13°45	21°56	24° 3	25°12	16°51	17° 2	2°50	19°R15	19°50	24°30	6°17	M18
T 19	6 29 1	7°18'08	15°57	25°23	14°58	22°41	24°17	25°18	16°54	17° 1	2°50	19°15	19°46	24°37	6°17	T 19
W20	6 32 57	8°19'20	28° 0	25°40	16°11	23°26	24°31	25°24	16°57	16°59	2°51	19°14	19°43	24°43	6°18	W20
T 21	6 36 54	9°20'31	10 <b>M</b> .17	25°R46	17°23	24°10	24°45	25°29	17° 0	16°57	2°51	19°13	19°40	24°50	6°19	T 21
F 22	6 40 51	10°21'43	22°50	25°41	18°36	24°55	24°59	25°35	17° 3	16°56	2°51	19°12	19°37	24°57	6°19	F 22
S 23	6 44 47	11°22'54	5 <b>₹</b> 42	25°24	19°48	25°40	25°13	25°41	17° 6	16°54	2°52	19°10	19°34	25° 4	6°20	S 23
S 24	6 48 44	12°24'06	18°55	24°55	21° 1	26°25	25°27	25°47	17° 9	16°52	2°52	19°10	19°31	25°10	6°21	S 24
M25	6 52 40	13°25'18	2 <b>る</b> 28	24°15	22°13	27°10	25°41	25°53	17°12	16°51	2°53	19° 9	19°27	25°17	6°22	M25
T 26	6 56 37	14°26'29	16°21	23°24	23°26	27°55	25°55	25°59	17°15	16°49	2°53	19°D 9	19°24	25°24	6°23	T 26
W27	7 0 33	15°27'40	0≈29	22°23	24°38	28°40	26° 9	26° 5	17°18	16°47	2°53	19° 9	19°21	25°30	6°24	W27
T 28	7 4 30	16°28'50	14°49	21°14	25°50	2 <u>9</u> °25	26°23	26°11	17°21	16°46	2°54	19° 9	19°18	25°37	6°26	T 28
F 29	7 8 26	17°30'00	29°15	20° 0	27° 2	0 <b>궁</b> 10	26°37	26°17	17°24	16°44	2°54	19° 9	19°15	25°44	6°27	F 29
S 30	7 12 23	18°31'10	13 <b>)</b> €42	18°42	28°14	0°55	26°51	26°24	17°27	16°42	2°55	19° 9	19°12	25°51	6°28	S 30
S 31	7 16 20	19 <b>る</b> 32'18	28 <b>米</b> 5	17 <b>云</b> 23	29≈26	1 <b>る</b> 40	27중 5	26≈30	17 <b>≈</b> 30	16941	2 <b>Y</b> 55	19°R 9	19 <b>궁</b> 8	25 <b>m</b> 57	6 <b>Υ</b> 29	S 31

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S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	22 49	14 14 8 34 2 27	1 31 0 16 1n 3 2 18 3 25 4 19	19 52 19 40 19 30 19 23 19 17 19 14 19 12 19 s12	3 1	15 44 15 19 14 53 14 27	1 43 1 42 1 40 1 38 1 36 1 34 1 32	24 2 24 3 24 5 24 6 24 6	0 34 0 35 0 35 0 36 0 37 0 37	21 30 21 28 21 25 21 23 21 20 21 18 21 15 21 s12		14 20 14 18 14 15 14 13	1 30 1 30 1 30 1 30 1 30 1 30	16 23 16 22 16 21 16 20 16 19 16 18 16 17	0 41 0 41 0 41 0 41 0 41 0 41	21 47 21 47 21 47 21 47 21 48 21 48 21 48 21 48	0 39 0 39 0 39 0 39 0 39 0 39 0 39	14 16 14 15 14 15 14 14 14 14 14 13	16 50 16 49 16 49 16 49 16 48 16 48	22	7 22 4 7 22 5 7 22 5 7 22 6 7 22 6 7 22 7 7 22 7	2 23 2 26 2 29 2 32 2 35 2 38 2 41 2 s44	4 20 4 21 4 21 4 21 4 21 4 22 4 22 4n22	1 58 1 58 1 58 1 58 1 57 1 57

Julian Day Number = 2298852.5, Delta T = 116.64 sec

Ecliptic obliquity = 23°29'40, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 18°54'22, Lahiri = 18°01'22 Julian Calendar 1 Dec. 1581 == Greg. Calendar 11 Dec. 1581