

Astrodienst Ephemeris Tables for the year 1591

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 1591 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	24	ħ)ţ(#	В	R	Ω	Ç	ķ	Day
T 1	6 40 6	10중10'23	18) 28	20 × ⁷ 27	24 × 742	4M25	12M28	23°R58	21) 29	7°R27	12Υ14	24952	25933	1요 8	14°R52	T 1
W 2	6 44 3	11°11'34	2 Υ 41	21°50	25°58	5° 0	12°38	23 II 54	21°31	$7\Omega_{25}$	12°14	24°53	25°30	1°15	14851	W 2
T 3	6 47 59	12°12'44	16°52	23°14	27°13	5°36	12°47	23°49	21°32	7°24	12°14	24°R53	25°26	1°21	14°49	T 3
F 4	6 51 56	13°13'54	0 8 58	24°39	28°28	6°11	12°56	23°45	21°34	7°22	12°14	24°53	25°23	1°28	14°48	F 4
S 5	6 55 52	14°15'02	14°57	26° 4	29°43	6°47	13° 6	23°40	21°36	7°21	12°15	24°52	25°20	1°35	14°47	S 5
S 6	6 59 49	15°16'11	28°49	27°31	0 궁 59	7°22	13°15	23°36	21°38	7°19	12°15	24°50	25°17	1°41	14°46	S 6
M 7	7 3 45	16°17'19	12 Ⅱ 29	28°58	2°14	7°57	13°24	23°31	21°40	7°18	12°15	24°49	25°14	1°48	14°45	M 7
T 8	7 7 42	17°18'26	25°58	0 궁 25	3°29	8°33	13°33	23°27	21°41	7°16	12°15	24°48	25°11	1°55	14°44	T 8
W 9	7 11 38	18°19'33	99513	1°54	4°45	9° 8	13°42	23°23	21°43	7°14	12°16	24°48	25° 7	2° 2	14°43	W 9
T 10	7 15 35	19°20'39	22°13	3°23	6° 0	9°43	13°50	23°18	21°45	7°13	12°16	24°D47	25° 4	2° 8	14°42	T 10
F 11	7 19 32	20°21'45	4 Ω 58	4°52	7°15	10°18	13°59	23°14	21°47	7°11	12°16	24°48	25° 1	2°15	14°41	F 11
S 12	7 23 28	21°22'50	17°28	6°22	8°31	10°53	14° 8	23°10	21°49	7°10	12°17	24°48	24°58	2°22	14°40	S 12
S 13	7 27 25	22°23'55	29°45	7°53	9°46	11°28	14°16	23° 6	21°51	7°8	12°17	24°48	24°55	2°28	14°39	S 13
M14	7 31 21	23°24'59	11 m 50	9°24	11° 1	12° 3	14°24	23° 2	21°53	7° 6	12°17	24°48	24°52	2°35	14°39	M14
T 15	7 35 18	24°26'03	23°47	10°56	12°17	12°38	14°32	22°58	21°56	7° 5	12°18	24°R48	24°48	2°42	14°38	T 15
W16	7 39 14	25°27'06	5 ≙ 40	12°29	13°32	13°13	14°40	22°55	21°58	7° 3	12°18	24°48	24°45	2°49	14°37	W16
T 17	7 43 11	26°28'09	17°32	14° 2	14°47	13°48	14°48	22°51	22° 0	7° 1	12°19	24°48	24°42	2°55	14°37	T 17
F 18	7 47 7	27°29'11	29°28	15°35	16° 2	14°23	14°56	22°47	22° 2	7° 0	12°19	24°D48	24°39	3° 2	14°37	F 18
S 19	7 51 4	28°30'13	11 M .34	17°10	17°18	14°57	15° 3	22°44	22° 5	6°58	12°20	24°48	24°36	3° 9	14°36	S 19
S 20	7 55 1	29°31'14	23°52	18°44	18°33	15°32	15°11	22°40	22° 7	6°56	12°20	24°49	24°32	3°15	14°36	S 20
M21	7 58 57	0≈32'15	6 ₹ 29	20°20	19°48	16° 7	15°18	22°37	22° 9	6°55	12°21	24°49	24°29	3°22	14°36	M21
T 22	8 2 54	1°33'15	19°26	21°56	21° 4	16°41	15°25	22°34	22°12	6°53	12°21	24°50	24°26	3°29	14°36	T 22
W23	8 6 50	2°34'14	2 ප් 46	23°33	22°19	17°15	15°32	22°30	22°14	6°51	12°22	24°51	24°23	3°36	14°D36	W23
T 24	8 10 47	3°35'12	16°30	25°10	23°34	17°50	15°39	22°27	22°17	6°50	12°22	24°51	24°20	3°42	14°36	T 24
F 25	8 14 43	4°36'10	0≈34	26°48	24°49	18°24	15°46	22°24	22°19	6°48	12°23	24°R51	24°17	3°49	14°36	F 25
S 26	8 18 40	5°37'07	14°57	28°27	26° 5	18°58	15°52	22°21	22°22	6°46	12°24	24°51	24°13	3°56	14°36	S 26
S 27	8 22 36	6°38'02	29°32	0≈ 7	27°20	19°33	15°59	22°18	22°25	6°45	12°24	24°50	24°10	4° 2	14°36	S 27
M28	8 26 33	7°38'56	14) (12	1°47	28°35	20° 7	16° 5	22°16	22°27	6°43	12°25	24°48	24° 7	4° 9	14°36	M28
T 29	8 30 30	8°39'49	28°52	3°28	29°50	20°41	16°11	22°13	22°30	6°41	12°26	24°46	24° 4	4°16	14°37	T 29
W30	8 34 26	9°40'40	13 Υ 24	5° 9	1≈ 6	21°14	16°17	22°10	22°33	6°40	12°27	24°45	24° 1	4°23	14°37	W30
T 31	8 38 23	10≈41'30	27 Y 44	6≈52	2≈21	21 M .48	16ML23	22 II 8	22) 35	6Ω 38	12 Y 27	249544	23957	4 ≏ 29	14 8 38	T 31

Day	0	D	ζ	2	φ	ď	4	ħ)Å(¥	Р	w v	Ç	Ŷ,
	decl	decl lat	decl	lat d	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl dec	l lat
T 1 W 2 T 3 F 4 S 5	23 s 6 23 1 22 56 22 50 22 44	3 25 4 5 1n49 5 1 6 55 5 1	5 22 s37 3 22 51 3 23 4 5 23 15 7 23 26	0 23 23 0 15 23 0 8 23	13 0 12 18 0 10 22 0 7	12 5 1 13 12 17 1 12 12 29 1 12	14 s 35	22 12 1 9 22 12 1 9 22 12 1 9	4 3 0 45 4 3 0 44 4 2 0 44	18 26 0 1 18 26 0 1 18 27 0 1	10 57 17 10 10 57 17 10 10 57 17 10	21 12 21 6	3n51 13n4 3 49 13 4 3 46 13 4 3 44 13 4 3 41 13 4	4 2 42 4 2 42 4 2 42
S 6 M 7 T 8	22 37 22 30 22 22 22 14	15 40 4 2 18 49 3 3 20 53 2 3 21 45 1 2	3 23 36 4 23 44 3 23 52 5 23 58 4 24 3	0 8 23 0 15 23 0 22 23 0 29 23	27 0 2 28 0s 0 29 0 3 29 0 5	12 52 1 12 13 4 1 11 13 16 1 11 13 27 1 11	14 48 1 6 14 51 1 6	22 12 1 9 22 11 1 9 22 11 1 8 22 11 1 8	4 0 0 44 4 0 0 44 3 59 0 44 3 58 0 44	18 28 0 1 18 28 0 1 18 28 0 1 18 29 0 1	10 56 17 9 10 55 17 8 10 55 17 8 10 54 17 8	21 12 21 8 21 13 21 8 21 13 21 9 21 13 21 9 21 13 21 10	3 39 13 4 3 37 13 4 3 34 13 4 3 32 13 4 3 30 13 4	3 2 42 3 2 42 3 2 42 2 2 42
F 11 S 12	21 57 21 47	17 35 2	5 24 7 3 24 10		27 0 10 25 0 12	13 50 1 10 14 1 1 10	15 1 1 6 15 3 1 6	22 11 1 8 22 11 1 8	3 56 0 44 3 56 0 44	18 30 0 1	10 54 17 7 10 53 17 7	21 13 21 10 21 13 21 11	3 27 13 4 3 25 13 4	2 2 42 2 2 42
S 13 M14 T 15 W16 T 17 F 18 S 19	21 27 21 17 21 6 20 54 20 43	10 43 3 5. 6 38 4 3. 2 20 5 2s 3 5 1 6 22 5 1	2 24 11 2 24 11 2 24 10 0 24 7 5 24 3 6 23 58 4 23 51	0 56 23 1 2 23 1 8 23 1 13 23 1 19 23 1 24 22 1 29 22	19 0 17 15 0 20 10 0 22 4 0 24 58 0 27	14 23 1 9 14 34 1 9 14 45 1 9 14 55 1 9 15 6 1 8	15 8 1 7 15 10 1 7 15 13 1 7 15 15 1 7	22 11 1 7 22 11 1 7	3 54 0 44 3 53 0 44 3 52 0 44 3 51 0 44 3 50 0 44	18 31 0 1 18 32 0 1 18 32 0 1 18 33 0 1	10 52 17 6 10 52 17 6 10 51 17 5 10 51 17 5 10 50 17 4	21 13 21 12 21 13 21 12 21 13 21 13 21 13 21 13 21 13 21 14 21 13 21 14 21 13 21 15	3 23 13 4 3 20 13 4 3 18 13 4 3 16 13 4 3 13 13 4 3 11 13 4 3 8 13 4	2 2 41 2 2 41 1 2 41 1 2 41 1 2 41
S 20 M21 T 22 W23 T 24 F 25 S 26	19 51 19 38 19 24	17 32 3 5 20 1 3 21 28 1 5 21 42 0 4 20 35 0s3	4 23 22	1 45 22 1 49 22 1 52 21	35 0 34 26 0 36 16 0 38 5 0 40 54 0 42	15 37 1 7 15 48 1 7 15 58 1 6 16 8 1 6 16 17 1 6	15 25 1 8 15 27 1 8 15 29 1 8 15 30 1 8	22 11 1 6 22 11 1 6 22 11 1 6 22 11 1 6 22 11 1 5	3 47 0 44 3 46 0 44 3 45 0 44 3 44 0 44 3 43 0 44	18 34 0 1 18 35 0 1 18 35 0 1 18 36 0 1	10 49 17 3 10 48 17 3 10 48 17 3 10 47 17 2 10 46 17 2	21 13 21 16 21 13 21 16 21 12 21 17 21 12 21 17 21 12 21 18 21 12 21 18 21 12 21 19	3 6 13 4 3 4 13 4 3 1 13 4 2 59 13 4 2 57 13 4 2 54 13 4 2 52 13 4	1 2 41 1 2 41 1 2 41 2 41 2 2 41 2 2 41
S 27 M28 T 29 W30 T 31	18 39 18 24 18 8 17 52 17 s36	9 55 4 4 4 48 4 4 0n32 5 1	-	1 59 21 2 1 21 2 3 20	17 0 48 3 0 50 48 0 52	16 46 1 4 16 56 1 4 17 5 1 4	15 37 1 9 15 39 1 9	22 11 1 5 22 11 1 5	3 40 0 44 3 39 0 44 3 38 0 44	18 37 0 1 18 37 0 1 18 38 0 1	10 45 17 1 10 44 17 1 10 44 17 0	21 13 21 20 21 13 21 20 21 13 21 21 21 13 21 21 21n14 21n22	2 49 13 4 2 47 13 4 2 45 13 4 2 42 13 4 2n40 13n4	2 2 40 2 2 40 2 2 40

Julian Day Number = 2302160.5, Delta T = 101.77 sec Ecliptic obliquity = $23^{\circ}29'28$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}01'56$, Lahiri = $18^{\circ}08'57$ Greg. Calendar

FEBRUARY 1591 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ)∤(¥	Р	n	Ω	Ç	ķ	Day
F 1	8 42 19	11≈42'18	11850	8≈35	3≈36	22 M 22	16ML29	22°R 6	22) 38	6°R36	12 Y 28	24°D43	23954	4 ₽ 36	14 8 38	F 1
S 2	8 46 16	12°43'05	25°40	10°19	4°51	22°56	16°34	22 II 3	22°41	6Ω 35	12°29	249544	23°51	4°43	14°39	S 2
S 3	8 50 12	13°43'50	9∏13	12° 4	6° 7	23°29	16°39	22° 1	22°44	6°33	12°30	24°45	23°48	4°49	14°40	S 3
M 4	8 54 9	14°44'34	22°31	13°49	7°22	24° 3	16°45	21°59	22°47	6°31	12°31	24°46	23°45	4°56	14°40	M 4
T 5	8 58 5	15°45'16	5935	15°35	8°37	24°36	16°50	21°57	22°49	6°30	12°31	24°48	23°42	5° 3	14°41	T 5
W 6	9 2 2	16°45'56	18°26	17°23	9°52	25°10	16°54	21°55	22°52	6°28	12°32	24°R49	23°38	5°10	14°42	W 6
T 7	9 5 59	17°46'35	1 Ω 4	19°10	11° 7	25°43	16°59	21°54	22°55	6°26	12°33	24°49	23°35	5°16	14°43	T 7
F 8	9 9 5 5	18°47'13	13°32	20°59	12°22	26°16	17° 4	21°52	22°58	6°25	12°34	24°47	23°32	5°23	14°44	F 8
S 9	9 13 52	19°47'48	25°49	22°48	13°37	26°49	17° 8	21°51	23° 1	6°23	12°35	24°45	23°29	5°30	14°45	S 9
S 10	9 17 48	20°48'23	7 m)58	24°38	14°53	27°22	17°12	21°49	23° 4	6°21	12°36	24°41	23°26	5°36	14°46	S 10
M11	9 21 45	21°48'56	19°59	26°29	16°8	27°55	17°16	21°48	23° 7	6°20	12°37	24°36	23°23	5°43	14°48	M11
T 12	9 25 41	22°49'27	1 ≏ 54	28°20	17°23	28°28	17°20	21°47	23°10	6°18	12°38	24°31	23°19	5°50	14°49	T 12
W13	9 29 38	23°49'57	13°47	0 ₩ 11	18°38	29° 0	17°24	21°46	23°13	6°16	12°39	24°26	23°16	5°57	14°50	W13
T 14	9 33 34	24°50'26	25°38	2° 3	19°53	29°33	17°27	21°45	23°16	6°15	12°40	24°22	23°13	6° 3	14°52	T 14
F 15	9 37 31	25°50'53	7 M .34	3°55	21°8	0 才 5	17°30	21°44	23°20	6°13	12°41	24°19	23°10	6°10	14°53	F 15
S 16	9 41 28	26°51'19	19°36	5°47	22°23	0°38	17°34	21°43	23°23	6°12	12°42	24°17	23° 7	6°17	14°55	S 16
S 17	9 45 24	27°51'44	1 √ 51	7°39	23°38	1°10	17°37	21°43	23°26	6°10	12°43	24°D17	23° 3	6°23	14°56	S 17
M18	9 49 21	28°52'07	14°23	9°30	24°53	1°42	17°39	21°42	23°29	6° 9	12°44	24°18	23° 0	6°30	14°58	M18
T 19	9 53 17	29°52'29	27°15	11°21	26° 8	2°14	17°42	21°42	23°32	6° 7	12°45	24°19	22°57	6°37	15° 0	T 19
W20	9 57 14	0) 52′50	10 云 33	13°11	27°23	2°46	17°44	21°41	23°35	6° 6	12°46	24°21	22°54	6°44	15° 1	W20
T 21	10 1 10	1°53'09	24°18	14°59	28°38	3°18	17°47	21°41	23°39	6° 4	12°47	24°R22	22°51	6°50	15° 3	T 21
F 22	10 5 7	2°53'26	8 ≈ 30	16°46	29°53	3°50	17°49	21°D41	23°42	6° 3	12°48	24°21	22°48	6°57	15° 5	F 22
S 23	10 9 3	3°53'42	23° 6	18°30	1 米 8	4°21	17°51	21°41	23°45	6° 1	12°50	24°18	22°44	7° 4	15° 7	S 23
S 24	10 13 0	4°53'56	8 ℋ 2	20°12	2°23	4°53	17°52	21°41	23°49	6° 0	12°51	24°13	22°41	7°10	15° 9	S 24
M25	10 16 57	5°54'08	23° 7	21°51	3°38	5°24	17°54	21°42	23°52	5°58	12°52	24° 7	22°38	7°17	15°11	M25
T 26	10 20 53	6°54'18	8 Υ 13	23°26	4°53	5°55	17°55	21°42	23°55	5°57	12°53	24° 1	22°35	7°24	15°13	T 26
W27	10 24 50	7°54'26	23°10	24°56	6° 8	6°26	17°56	21°43	23°58	5°56	12°54	23°54	22°32	7°31	15°16	W27
T 28	10 28 46	8) 54'32	7 8 50	26 米 22	7 ∺ 23	6 才 57	17 M 57	21 Ⅱ 43	24 米 2	5 Ω 54	12 Y 55	239549	225529	7 ≏ 37	15 8 18	T 28

Day	0	D		ζ	5	ç)	C	3	2	4	ħ	l)	ţ(4	ī	Е)	ß	v	Ç	ď	5
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17 s19	10n37	5 s 2	20s 9	2s 4	20s18	0s56	17 s23	1n 3	15 s42	1n 9	22n11	1 s 4	3 s36	0 s44	18n39	0 s 1	10 s42	17s 0	21n14	21n22		13n43	2 s40
S 2	17 2	14 49	4 31	19 41	2 5	20 2	0 58	17 32	1 2	15 43	1 9	22 11	1 4	3 35	0 44	18 39	0 1	10 42	16 59	21 14	21 23	2 35	13 43	2 40
S 3	-		-	19 12		19 45		17 41		15 45		22 11	1 4			18 40				-	21 23		13 43	2 40
M 4	16 27			18 41		19 27		17 50		10 .0		22 12	1 4	3 32		18 40					21 24		13 44	2 40
T 5			1 44	18 9 17 35			-	17 59 18 7		15 47 15 48		22 12 22 12	1 3	3 31 3 30		18 41 18 41				-	21 24	-	13 44 13 44	2 40 2 40
T 7				16 59				18 16	-	15 50		22 12	1 3	3 29		18 41					21 25	-	13 45	2 40
F 8				16 22				18 24		15 51		22 12	1 3	3 28		18 42					21 26	-	13 45	-
S 9	14 55	15 29	2 42	15 43	1 53	17 52	1 9	18 32	0 59	15 52	1 10	22 12	1 3	3 26	0 43	18 42	0 1	10 38	16 57	21 13	21 27	2 18	13 46	2 39
S 10	14 35	11 55	3 35	15 3	1 49	17 32	1 10	18 40	0 58	15 53	1 11	22 12	1 2	3 25	0 43	18 43	0 1	10 37	16 57	21 14	21 27	2 16	13 46	2 39
M11	14 16		-	14 22				18 48		15 54		22 12	1 2	3 24							21 28		13 46	2 39
T 12	13 56		-	13 39	1 40		-	18 56		15 55		22 12	1 2	3 23		18 43					21 28		13 47	2 39
W13	13 36			12 54 12 9		16 27		19 4		15 56		22 13	1 2			18 44					21 29		13 47	2 39
T 14 F 15	13 16 12 56		5 12 5 4	11 22	1 29	16 4 15 41	-	19 11 19 19		15 56 15 57		22 13 22 13	1 1	3 20 3 19		18 44 18 45					21 29 21 30		13 48 13 48	2 39 2 39
S 16	12 35		-	10 34		15 18	-	19 26		15 58		22 13	1 1	3 18		18 45					21 30		13 49	2 39
S 17	12 15	16 32	4 8	9 45	1 6	14 54	1 18	19 34	0 54	15 59	1 12	22 13	1 1	3 16	0 43	18 45	0 1	10 33	16 55	21 18	21 31	1 59	13 49	2 39
M18	11 54	19 15	3 21	8 55	0 58	14 30	1 19	19 41	0 53	15 59	1 12	22 13	1 1	3 15	0 43	18 46	0 1	10 32	16 55	21 18	21 32	1 57	13 50	2 39
T 19	11 32	-	2 22		0 48	_		19 48		16 0		22 13	1 0	3 14		18 46					21 32		13 51	2 39
W20			1 15			13 40		19 55		16 0		22 14	1 0	-		18 47					21 33		13 51	2 38
T 21 F 22	10 50		0 0 1s16		0 28	13 15	1 22	20 1		16 1 16 1		22 14 22 14	1 0			18 47 18 47					21 33 21 34		13 52 13 52	2 38
S 23			2 30			12 49		20 8		16 1		22 14	1 0	-		18 48					21 34		13 53	2 38
S 24	9 44	11 53	3 35	3 46	0n 7	11 57	1 24	20 21	0 49	16 2	1 13	22 14	0 59	3 7	0 43	18 48	0 1	10 28	16 53	21 19	21 35	1 42	13 54	2 38
M25	9 22	6 48	4 25	2 56	0 20	11 30	1 24	20 28	0 48	16 2	1 13	22 15	0 59	3 6		18 49		10 27	16 53	21 20	21 35	1 40	13 54	2 38
T 26	9 0	1 17	4 57	2 6	0 33	11 3	-	20 34		16 2	1 13	22 15	0 59		0 43	18 49					21 36	1 37	13 55	2 38
W27	8 37		5 9				-	20 40				22 15	0 59			18 49					21 36		13 56	
T 28	8 s 1 5	9n25	5s 0	0s31	1n 1	10s 8	1 s25	20 s46	0n46	16s 2	1n13	22n15	0s59	3 s 2	0 s43	18n50	0 s 1	10 s25	16 s 5 3	21n23	21n37	1n32	13n56	2 s38

Julian Day Number = 2302191.5, Delta T = 101.64 sec Ecliptic obliquity = 23°29'29, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°02'00, Lahiri = 18°09'01Greg. Calendar

MARCH 1591 GC 00:00 UT

		5. 5														
Day	Sid.t	0)	ğ	φ	ð	4	ħ)∤(#	В	S.	v	Ç	ķ	Day
F 1	10 32 43	9) 54'35	22 8 7	27) (42	8) 38	7 .₹ 27	17 M .58	21 I I44	24) 5	5°R53	12 Y 57	23°R46	22925	7 Ω 44	15820	F 1
S 2	10 36 39	10°54'37	6 I 1	28°56	9°53	7°58	17°58	21°45	24° 9	5 Ω 51	12°58	23°D44	22°22	7°51	15°23	S 2
S 3	10 40 36	11°54'37	19°30	0 Υ 4	11° 8	8°28	17°59	21°46	24°12	5°50	12°59	239544	22°19	7°58	15°25	S 3
M 4	10 44 32	12°54'34	2938	1° 5	12°23	8°59	17°R59	21°47	24°15	5°49	13° 0	23°45	22°16	8° 4	15°28	M 4
T 5	10 48 29	13°54'29	15°27	1°58	13°37	9°29	17°59	21°48	24°19	5°48	13° 2	23°47	22°13	8°11	15°30	T 5
W 6	10 52 26	14°54'22	28° 1	2°44	14°52	9°59	17°59	21°50	24°22	5°46	13° 3	23°R47	22° 9	8°18	15°33	W 6
T 7	10 56 22	15°54'13	$10\Omega^{22}$	3°21	16° 7	10°28	17°58	21°51	24°25	5°45	13° 4	23°45	22° 6	8°24	15°35	T 7
F 8	11 0 19	16°54'01	22°35	3°50	17°22	10°58	17°58	21°52	24°29	5°44	13° 6	23°41	22° 3	8°31	15°38	F 8
S 9	11 4 15	17°53'48	4 Mp 40	4°11	18°37	11°28	17°57	21°54	24°32	5°43	13° 7	23°35	22° 0	8°38	15°41	S 9
S 10	11 8 12	18°53'32	16°39	4°23	19°51	11°57	17°56	21°56	24°36	5°42	13° 8	23°26	21°57	8°45	15°44	S 10
M11	11 12 8	19°53'14	28°35	4°R26	21° 6	12°26	17°55	21°58	24°39	5°41	13° 9	23°16	21°54	8°51	15°47	M11
T 12	11 16 5	20°52'54	10 ≏ 29	4°21	22°21	12°55	17°54	22° 0	24°43	5°39	13°11	23° 4	21°50	8°58	15°49	T 12
W13	11 20 1	21°52'33	22°21	4° 8	23°35	13°24	17°52	22° 2	24°46	5°38	13°12	22°53	21°47	9° 5	15°52	W13
T 14	11 23 58	22°52'09	4 M .14	3°47	24°50	13°52	17°50	22° 4	24°49	5°37	13°13	22°43	21°44	9°11	15°55	T 14
F 15	11 27 54	23°51'44	16°10	3°19	26° 5	14°20	17°48	22° 6	24°53	5°36	13°15	22°34	21°41	9°18	15°58	F 15
S 16	11 31 51	24°51'17	28°13	2°45	27°19	14°49	17°46	22° 9	24°56	5°35	13°16	22°28	21°38	9°25	16° 2	S 16
S 17	11 35 48	25°50'48	10 ₮ 26	2° 6	28°34	15°17	17°44	22°11	25° 0	5°34	13°18	22°25	21°34	9°32	16° 5	S 17
M18	11 39 44	26°50'17	22°54	1°21	29°49	15°44	17°42	22°14	25° 3	5°33	13°19	22°D24	21°31	9°38	16° 8	M18
T 19	11 43 41	27°49'45	5 云 40	0°33	1 Υ 3	16°12	17°39	22°16	25° 7	5°32	13°20	22°24	21°28	9°45	16°11	T 19
W20	11 47 37	28°49'11	18°51	29 米 43	2°18	16°39	17°36	22°19	25°10	5°32	13°22	22°R24	21°25	9°52	16°14	W20
T 21	11 51 34	29°48'35	2≈28	28°51	3°32	17° 6	17°33	22°22	25°13	5°31	13°23	22°24	21°22	9°58	16°18	T 21
F 22	11 55 30	0 Ƴ 47'57	16°34	27°59	4°47	17°33	17°30	22°25	25°17	5°30	13°24	22°22	21°19	10° 5	16°21	F 22
S 23	11 59 27	1°47'18	1 米 9	27° 7	6° 2	18° 0	17°27	22°28	25°20	5°29	13°26	22°17	21°15	10°12	16°24	S 23
S 24	12 3 23	2°46'36	16° 8	26°17	7°16	18°26	17°23	22°31	25°24	5°28	13°27	22°10	21°12	10°19	16°28	S 24
M25	12 7 20	3°45'53	1 Υ 22	25°30	8°31	18°52	17°20	22°35	25°27	5°28	13°29	22° 0	21° 9	10°25	16°31	M25
T 26	12 11 17	4°45'07	16°42	24°46	9°45	19°18	17°16	22°38	25°30	5°27	13°30	21°50	21° 6	10°32	16°35	T 26
W27	12 15 13	5°44'19	1856	24° 6	10°59	19°44	17°12	22°42	25°34	5°26	13°31	21°39	21° 3	10°39	16°39	W27
T 28	12 19 10	6°43'29	16°53	23°30	12°14	20° 9	17° 8	22°45	25°37	5°26	13°33	21°30	21° 0	10°46	16°42	T 28
F 29	12 23 6	7°42'37	1 II 26	23° 0	13°28	20°34	17° 3	22°49	25°41	5°25	13°34	21°24	20°56	10°52	16°46	F 29
S 30	12 27 3	8°41'43	15°30	22°34	14°43	20°59	16°59	22°53	25°44	5°24	13°36	21°19	20°53	10°59	16°49	S 30
S 31	12 30 59	9 Y 40'46	29Ⅱ 6	22) 14	15 Y 57	21 × 23	16 M .54	22 II 57	25) (47	5 Ω 24	13 Y 37	219518	20950	11 º 6	16 8 53	S 31

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S 3 M 4 T 5 W 6 T 7 F 8 S 9	6 44 6 21 5 57 5 34 5 11	21 51 0 45 20 59 0n23 19 5 1 28 16 21 2 28	1 36 1 43 2 13 1 56 2 46 2 10 3 16 2 23 3 42 2 35 4 4 2 46	8 15 1 26 21 7 47 1 26 21 7 17 1 26 21 6 48 1 26 21 6 19 1 26 21	20 0 40 25 0 39 30 0 39	16 2 1 14 16 2 1 14 16 2 1 14 16 2 1 15 16 1 1 15	22 17 0 58 22 17 0 57 22 17 0 57 22 18 0 57	2 57 0 43 2 55 0 43 2 54 0 43 2 53 0 43 2 51 0 43	18 51 0 1 18 51 0 1 18 52 0 1 18 52 0 1 18 52 0 1	10 23 16 52 10 22 16 52 10 22 16 52 10 21 16 51 10 20 16 51	21 24 21 38 21 24 21 39 21 24 21 39 21 24 21 40 21 24 21 40 21 25 21 41	1 25 13 59 2 38 1 23 13 59 2 38 1 20 14 0 2 38 1 18 14 1 2 38 1 15 14 2 2 38 1 13 14 3 2 37
S 10 M11 T 12 W13 T 14 F 15 S 16	4 48 4 24 4 1 3 37 3 14 2 50 2 27 2 3	12 56 3 21 9 2 4 4 4 47 4 37 0 23 4 57 4s 1 5 4 8 17 4 58 12 16 4 39 15 47 4 7		5 20 1 25 21 4 50 1 25 21 4 20 1 24 21 3 50 1 24 21 3 20 1 23 21 2 49 1 22 22	40 0 37 45 0 35 50 0 34 54 0 33 59 0 32 3 0 31	16 1 1 15 16 0 1 15 16 0 1 15 15 59 1 15 15 59 1 16 15 58 1 16	22 18 0 57 22 18 0 57 22 19 0 56 22 19 0 56 22 19 0 56 22 19 0 56 22 19 0 56 22 20 0 56 22 20 0 55	2 49 0 43 2 47 0 43 2 46 0 43 2 44 0 43 2 43 0 43 2 42 0 43	18 53 0 1 18 53 0 1 18 53 0 1 18 54 0 1 18 54 0 1	10 19 16 51 10 18 16 51 10 18 16 51 10 17 16 50 10 17 16 50 10 16 16 50		1 10 14 4 2 37 1 8 14 4 2 37 1 5 14 5 2 37 1 3 14 6 2 37 1 0 14 7 2 37 0 58 14 8 2 37 0 56 14 9 2 37 0 53 14 10 2 37
S 17 M18 T 19 W20 T 21 F 22 S 23	1 39 1 16 0 52 0 28	18 42 3 24 20 48 2 30 21 54 1 28 21 51 0 19 20 31 0s53 17 53 2 5	4 4 3 32 3 43 3 28 3 20 3 23 2 53 3 16 2 24 3 7 1 54 2 57	1 49 1 21 22 1 18 1 20 22 0 48 1 19 22 0 17 1 18 22 0n14 1 17 22 0 44 1 16 22	12 0 29 16 0 28 20 0 26 24 0 25 28 0 24 32 0 23	15 56 1 16 15 56 1 16 15 55 1 16 15 54 1 16 15 53 1 17 15 52 1 17	22 20 0 55	2 39 0 43 2 38 0 43 2 36 0 43 2 35 0 43 2 34 0 43 2 32 0 43	18 55 0 0 18 55 0 0 18 55 0 0 18 55 0 0 18 56 0 0 18 56 0 0	10 15 16 50 10 14 16 50 10 13 16 50 10 13 16 50 10 12 16 50 10 12 16 49	21 37 21 45 21 38 21 46 21 38 21 46 21 38 21 47 21 38 21 47 21 38 21 48 21 39 21 48	0 51 14 11 2 37 0 48 14 12 2 37 0 46 14 13 2 37 0 43 14 14 2 37 0 41 14 15 2 37 0 38 14 16 2 37 0 36 14 17 2 37
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31		9 14 4 5 3 46 4 42 1n57 5 0 7 32 4 57 12 33 4 33 16 43 3 52 19 46 2 57 21n35 1s55	0 20 2 19 0s11 2 4 0 41 1 49 1 9 1 33 1 36 1 17 2 1 1 1	2 16 1 13 22 2 46 1 12 22 3 17 1 10 22 3 47 1 9 22 4 18 1 7 22 4 48 1 6 23	43 0 18 47 0 17 50 0 16 53 0 14 57 0 13 0 0 11	15 49 1 17 15 47 1 17 15 46 1 17 15 45 1 17 15 44 1 18 15 42 1 18	22 23 0 54 22 23 0 54 22 24 0 54 22 24 0 53 22 24 0 53 22 25 0 53 22 25 0 53 22 26 0 553	2 28 0 43 2 27 0 43 2 25 0 43 2 24 0 43 2 23 0 43 2 21 0 43	18 56 0 0 18 57 0 0	10 10 16 49 10 9 16 49 10 9 16 49 10 8 16 49 10 8 16 49 10 7 16 49	21 40 21 49 21 41 21 49 21 43 21 50 21 45 21 50 21 46 21 51 21 47 21 51 21 48 21 52 21n48 21n52	0 33 14 18 2 37 0 31 14 19 2 37 0 28 14 20 2 37 0 26 14 21 2 37 0 23 14 22 2 37 0 21 14 23 2 37 0 19 14 24 2 37 0 10 16 14n25 2 \$37

 $\label{eq:Julian Day Number = 2302219.5, Delta T = 101.53 sec} \\ Ecliptic obliquity = 23°29'30, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°02'04, Lahiri = 18°09'05Greg. Calendar \\ \\$

APRIL 1591 GC 00:00 UT

AI IX	LL 133.	Luc													00.0	0 0.
Day	Sid.t	0	D	ğ	Q.	♂	4	ħ)∤(并	В	S.	v	Ç	ę,	Day
M 1	12 34 56	10 ° 39'47	129514	22°R 0	17 Y 11	21 ×7 47	16°R50	23 I 1	25) (51	5°R23	13 Y 39	21°D17	209547	11 ≏ 12	16 8 57	M 1
T 2	12 38 52	11°38'46	25° 0	21 米 51	18°26	22°11	16M45	23° 5	25°54	5 Ω 23	13°40	21°R17	20°44	11°19	17° 1	T 2
W 3	12 42 49	12°37'42	7Ω 28	21°D48	19°40	22°35	16°40	23° 9	25°57	5°22	13°41	219917	20°40	11°26	17° 4	W 3
T 4	12 46 46	13°36'36	19°41	21°49	20°54	22°58	16°34	23°13	26° 1	5°22	13°43	21°14	20°37	11°33	17° 8	T 4
F 5	12 50 42	14°35'28	1 m 44	21°57	22° 9	23°21	16°29	23°17	26° 4	5°22	13°44	21° 8	20°34	11°39	17°12	F 5
S 6	12 54 39	15°34'17	13°42	22° 9	23°23	23°44	16°23	23°22	26° 7	5°21	13°46	21° 0	20°31	11°46	17°16	S 6
S 7	12 58 35	16°33'04	25°35	22°26	24°37	24° 6	16°18	23°26	26°11	5°21	13°47	20°49	20°28	11°53	17°20	S 7
M 8	13 2 32	17°31'50	7 ≗ 27	22°48	25°51	24°28	16°12	23°31	26°14	5°21	13°49	20°36	20°25	11°59	17°24	M 8
T 9	13 6 28	18°30'33	19°20	23°15	27° 5	24°50	16° 6	23°35	26°17	5°20	13°50	20°22	20°21	12° 6	17°28	T 9
W10	13 10 25	19°29'14	1 m .14	23°46	28°20	25°11	16° 0	23°40	26°20	5°20	13°51	20° 7	20°18	12°13	17°32	W10
T 11	13 14 21	20°27'53	13°12	24°20	29°34	25°32	15°54	23°45	26°24	5°20	13°53	19°54	20°15	12°20	17°36	T 11
F 12	13 18 18	21°26'30	25°13	24°59	0 8 48	25°52	15°48	23°50	26°27	5°20	13°54	19°43	20°12	12°26	17°40	F 12
S 13	13 22 15	22°25'06	7 ,₹ 22	25°42	2° 2	26°12	15°41	23°55	26°30	5°20	13°56	19°35	20° 9	12°33	17°44	S 13
S 14	13 26 11	23°23'40	19°39	26°28	3°16	26°32	15°35	24° 0	26°33	5°20	13°57	19°30	20° 6	12°40	17°48	S 14
M15	13 30 8	24°22'12	2중 9	27°18	4°30	26°51	15°28	24° 5	26°36	5°19	13°58	19°27	20° 2	12°46	17°52	M15
T 16	13 34 4	25°20'43	14°55	28°11	5°44	27°10	15°21	24°10	26°39	5°D19	14° 0	19°27	19°59	12°53	17°57	T 16
W17	13 38 1	26°19'12	28° 1	29° 7	6°58	27°29	15°15	24°16	26°42	5°19	14° 1	19°27	19°56	13° 0	18° 1	W17
T 18	13 41 57	27°17'39	11≈31	0 Υ 6	8°12	27°47	15° 8	24°21	26°45	5°19	14° 3	19°26	19°53	13° 7	18° 5	T 18
F 19	13 45 54	28°16'05	25°27	1° 8	9°26	28° 5	15° 1	24°26	26°49	5°20	14° 4	19°24	19°50	13°13	18° 9	F 19
S 20	13 49 50	29°14'29	9 ∺ 50	2°12	10°40	28°22	14°54	24°32	26°52	5°20	14° 5	19°19	19°46	13°20	18°13	S 20
S 21	13 53 47	0812'51	24°37	3°20	11°54	28°38	14°47	24°38	26°55	5°20	14° 7	19°12	19°43	13°27	18°18	S 21
M22	13 57 44	1°11'12	9 Υ 43	4°30	13° 8	28°55	14°39	24°43	26°58	5°20	14° 8	19° 3	19°40	13°34	18°22	M22
T 23	14 1 40	2° 9'31	24°59	5°42	14°22	29°10	14°32	24°49	27° 1	5°20	14°10	18°52	19°37	13°40	18°26	T 23
W24	14 5 37	3° 7'49	10813	6°56	15°35	29°26	14°25	24°55	27° 3	5°20	14°11	18°42	19°34	13°47	18°31	W24
T 25	14 9 33	4° 6'04	25°14	8°13	16°49	29°40	14°17	25° 1	27° 6	5°21	14°12	18°33	19°31	13°54	18°35	T 25
F 26	14 13 30	5° 4'18	9∏54	9°32	18° 3	29°54	14°10	25° 6	27° 9	5°21	14°14	18°25	19°27	14° 0	18°39	F 26
S 27	14 17 26	6° 2'30	24° 7	10°54	19°17	8 중0	14° 3	25°12	27°12	5°21	14°15	18°21	19°24	14° 7	18°44	S 27
S 28	14 21 23	7° 0'40	7951	12°17	20°31	0°21	13°55	25°19	27°15	5°22	14°16	18°19	19°21	14°14	18°48	S 28
M29	14 25 19	7°58'48	21° 6	13°43	21°44	0°34	13°48	25°25	27°18	5°22	14°18	18°D19	19°18	14°21	18°52	M29
T 30	14 29 16	8 8 56'54	3 Ω 55	15 Y 11	22 8 58	0 궁 46	13 M .40	25 II 31	27) (21	5 Ω 22	14 Υ 19	18°R19	199515	14 ≏ 27	18 8 57	T 30

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M 1	4n14	22n 8 0s48	2 s43	0n30	5n48	1s 3 23s 6	0n 8	15 s39	1n18	22n26	0s52	2 s 1 9	0 s43	18n58	0 s 0	10s 6	16 s49	21n48	21n53	0n14	14n26	2 s37
T 2	4 37	21 30 0n20	3 1	0 14	6 18	1 1 23 9	0 6	15 38	1 18	22 26	0 52	2 17	0 43	18 58	0 0	10 5	16 49	21 48	21 53	0 11	14 27	2 37
W 3	5 0	19 48 1 24	3 16	0 s 1	6 48	0 59 23 12	0 5	15 36	1 18	22 27	0 52	2 16	0 43	18 58	0 0	10 5	16 49	21 48	21 54	0 9	14 28	2 37
T 4	5 23	17 13 2 24	3 29	0 15	7 17 (0 58 23 15	0 3	15 35	1 18	22 27	0 52	2 15	0 43	18 58	0 0	10 4	16 49	21 49	21 54	0 6	14 29	2 37
F 5	5 46	13 56 3 16	3 39	0 29	7 47 (0 56 23 18	0 1	15 33	1 18	22 28	0 52	2 13	0 43	18 58	0 0	10 4	16 49	21 50	21 55	0 4	14 30	2 37
S 6	6 9	10 6 3 59	3 46	0 42	8 16	0 54 23 21	0 s 1	15 32	1 18	22 28	0 52	2 12	0 43	18 58	0 0	10 3	16 49	21 51	21 55	0 1	14 31	2 37
S 7	6 31	5 54 4 31	3 51	0 55	8 45	0 52 23 24	0 2	15 30	1 18	22 28	0 51	2 11	0 43	18 58	0 0	10 3	16 49	21 53	21 56	0s 1	14 32	2 37
M 8	6 54	1 30 4 52	3 54	1 7	9 14 (0 50 23 27	0 4	15 28	1 18	22 29	0 51	2 10	0 43	18 58	0 0	10 2	16 49	21 55	21 56	0 4	14 33	2 37
T 9	7 16	2 s 58 4 59	3 54	1 19	-	0 48 23 29		15 26		22 29	0 51	2 8	0 43		0 0	-			21 57	0 6	14 35	2 37
W10	7 39	7 20 4 54				0 46 23 32				22 30	0 51	2 7	0 43		0 0		16 49				14 36	2 37
T 11	8 1	11 27 4 35	3 47	1 40	10 39 (0 44 23 35		15 23	1 19	22 30	0 51	2 6	0 43	18 58	0 0	10 0	16 49		21 58	0 11	14 37	2 37
F 12						0 42 23 38		15 21		22 30	0 51	2 4	0 43		0 0				21 58		14 38	2 37
S 13	8 45	18 15 3 22	3 31	1 58	11 35 (0 40 23 40	0 14	15 19	1 19	22 31	0 50	2 3	0 43	18 59	0 0	9 59	16 49	22 3	21 59	0 16	14 39	2 37
S 14	9 6	20 35 2 30	3 20	2 6	12 2 (0 38 23 43	0 16	15 17	1 19	22 31	0 50	2 2	0 43	18 59	0 0	9 59	16 49	22 4	21 59	0 19	14 40	2 37
M15	9 28	21 58 1 30	3 7	2 13	12 29 (0 36 23 45	0 18	15 15	1 19	22 32	0 50	2 1	0 43	18 59	0 0	9 59	16 49	22 5	22 0	0 21	14 41	2 37
T 16	9 49	22 16 0 24	2 52	2 20	12 56 (0 34 23 48	0 20	15 13	1 19	22 32	0 50	2 0	0 43	18 59	0 0	9 58	16 49	22 5	22 0	0 24	14 42	2 37
W17	10 11	21 21 0s45	2 35	2 26		0 31 23 51		15 11	1 19	22 32	0 50	1 58	0 43	18 59	0 0	9 58	16 49	22 5	22 0	0 26	14 43	2 37
T 18	10 32	19 11 1 54	2 17	2 32		0 29 23 53		15 9	1 19	22 33	0 50	1 57	0 43	18 59	0 0	9 57	16 49	22 5	22 1	0 29	14 45	2 37
F 19		15 51 2 58				0 27 23 56				22 33	0 49	1 56		18 59	0 0	9 57	16 49		22 1		14 46	2 37
S 20	11 14	11 30 3 53	1 34	2 40	14 40 (0 25 23 58	0 30	15 5	1 19	22 34	0 49	1 55	0 43	18 59	0 0	9 56	16 49	22 6	22 2	0 34	14 47	2 37
S 21	11 34	6 20 4 34	1 11	2 44	15 5 (0 22 24 1	0 32	15 3	1 19	22 34	0 49	1 54	0 43	18 59	0 0	9 56	16 50	22 7	22 2	0 36	14 48	2 37
M22	11 55	0 41 4 57	0 46	2 47	15 30 (0 20 24 4	0 34	15 1	1 19	22 34	0 49	1 52	0 43	18 59	0 0	9 55	16 50	22 8	22 3	0 39	14 49	2 37
T 23	12 15	5n 3 4 59	0 19	2 49	15 54 (0 17 24 6	0 37	14 59	1 19	22 35	0 49	1 51	0 43	18 59	0 0	9 55	16 50	22 10	22 3	0 41	14 50	2 37
W24	12 35	10 29 4 40	0n 9	2 51	16 18 (0 15 24 9	0 39	14 57	1 19	22 35	0 49	1 50	0 43	18 58	0 0	9 55	16 50	22 11	22 4	0 44	14 51	2 37
T 25	12 55	15 12 4 2	0 38	2 52	16 42 (0 13 24 11	0 42	14 55	1 19	22 35	0 48	1 49	0 43	18 58	0 0	9 54	16 50	22 12	22 4	0 46	14 53	2 37
F 26	13 14	18 53 3 8	1 9	-		0 10 24 14		14 52		22 36	0 48	1 48	0 43	18 58	0 0	9 54	16 50	22 13	22 5	0 49	14 54	2 37
S 27	13 34	21 17 2 5	1 41	2 52	17 28 (0 8 24 17	0 47	14 50	1 19	22 36	0 48	1 47	0 43	18 58	0 0	9 53	16 50	22 14	22 5	0 51	14 55	2 37
S 28	13 53	22 20 0 55	2 15	2 51	17 50	0 5 24 20	0 50	14 48	1 19	22 37	0 48	1 46	0 43	18 58	0 0	9 53	16 50	22 14	22 6	0 54	14 56	2 37
M29	14 12	22 5 0n15	2 49	2 50	18 12 (0 3 24 22	0 53	14 46	1 19	22 37	0 48	1 44	0 43	18 58	0n 0		16 50			0 56	14 57	2 37
T 30	14n31	20n39 1n22	3n25	2 s48	18n33	0s 0 24s25	0s56	14 s44	1n19	22n37	0 s48	1 s43	0 s43	18n58	0n 0	9 s 5 2	16s51	22n14	22n 6	0s59	14n58	$2\mathrm{s}37$

 $\label{eq:Julian Day Number = 2302250.5, Delta\ T = 101.39\ sec} \\ Ecliptic\ obliquity = 23°29'30, Nutation = -0°00'16, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 19°02'09, Lahiri = 18°09'09Greg.\ Calendar \\ \\$

MAY 1591 GC 00:00 UT

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W 1	14 33 13	9 8 54'58	16 Ω 24	16 Y 40	24812	0 궁 57	13°R32	25 Ⅲ 37	27) (23	5 Ω 23	14 Y 20	18°R19	199511	14 ₽ 34	198 1	W 1
T 2	14 37 9	10°52'59	28°37	18°12	25°25	1° 8	13 M 25	25°43	27°26	5°23	14°22	189917	19° 8	14°41	19° 6	T 2
F 3	14 41 6	11°50'59	10 m /38	19°46	26°39	1°18	13°17	25°50	27°29	5°24	14°23	18°13	19° 5	14°48	19°10	F 3
S 4	14 45 2	12°48'58	22°33	21°22	27°53	1°28	13° 9	25°56	27°31	5°25	14°24	18° 7	19° 2	14°54	19°14	S 4
S 5	14 48 59	13°46'54	4 ≏ 24	23° 0	29° 6	1°37	13° 2	26° 3	27°34	5°25	14°25	17°59	18°59	15° 1	19°19	S 5
M 6	14 52 55	14°44'48	16°16	24°40	0Ⅲ20	1°45	12°54	26° 9	27°37	5°26	14°27	17°48	18°56	15° 8	19°23	M 6
T 7	14 56 52	15°42'41	28°10	26°22	1°33	1°53	12°47	26°16	27°39	5°26	14°28	17°37	18°52	15°14	19°28	T 7
W 8	15 0 48	16°40'33	10 M 9	28° 5	2°47	2° 0	12°39	26°22	27°42	5°27	14°29	17°25	18°49	15°21	19°32	W 8
T 9	15 4 45	17°38'23	22°14	29°51	4° 0	2° 6	12°31	26°29	27°44	5°28	14°30	17°15	18°46	15°28	19°37	T 9
F 10	15 8 41	18°36'11	4 ₹ 25	1839	5°14	2°12	12°24	26°36	27°47	5°29	14°32	17° 6	18°43	15°35	19°41	F 10
S 11	15 12 38	19°33'58	16°44	3°29	6°27	2°17	12°16	26°42	27°49	5°29	14°33	17° 0	18°40	15°41	19°45	S 11
S 12	15 16 35	20°31'44	29°14	5°21	7°41	2°22	12° 9	26°49	27°51	5°30	14°34	16°56	18°37	15°48	19°50	S 12
M13	15 20 31	21°29'28	11 る 54	7°15	8°54	2°25	12° 1	26°56	27°54	5°31	14°35	16°D54	18°33	15°55	19°54	M13
T 14	15 24 28	22°27'12	24°48	9°11	10° 8	2°28	11°54	27° 3	27°56	5°32	14°36	16°54	18°30	16° 1	19°59	T 14
W15	15 28 24	23°24'54	7 ≈ 59	11° 9	11°21	2°31	11°46	27°10	27°58	5°33	14°38	16°55	18°27	16° 8	20° 3	W15
T 16	15 32 21	24°22'35	21°28	13° 8	12°34	2°32	11°39	27°17	28° 1	5°34	14°39	16°R56	18°24	16°15	20° 8	T 16
F 17	15 36 17	25°20'15	5) 18	15°10	13°48	2°33	11°32	27°24	28° 3	5°35	14°40	16°55	18°21	16°22	20°12	F 17
S 18	15 40 14	26°17'54	19°30	17°13	15° 1	2°R33	11°24	27°31	28° 5	5°36	14°41	16°53	18°17	16°28	20°17	S 18
S 19	15 44 10	27°15'32	4Υ 1	19°18	16°14	2°32	11°17	27°38	28° 7	5°37	14°42	16°49	18°14	16°35	20°21	S 19
M20	15 48 7	28°13'09	18°48	21°25	17°28	2°31	11°10	27°45	28° 9	5°38	14°43	16°43	18°11	16°42	20°25	M20
T 21	15 52 4	29°10'45	3 8 45	23°33	18°41	2°29	11° 3	27°52	28°11	5°39	14°44	16°36	18° 8	16°49	20°30	T 21
W22	15 56 0	0 Ⅱ 8'21	18°42	25°42	19°54	2°26	10°56	28° 0	28°13	5°40	14°45	16°29	18° 5	16°55	20°34	W22
T 23	15 59 57	1° 5'55	3 Ⅱ 32	27°52	21° 7	2°22	10°50	28° 7	28°15	5°41	14°46	16°23	18° 2	17° 2	20°39	T 23
F 24	16 3 53	2° 3'28	18° 5	0 I I 3	22°20	2°18	10°43	28°14	28°17	5°42	14°47	16°18	17°58	17° 9	20°43	F 24
S 25	16 7 50	3° 1'00	29915	2°15	23°34	2°12	10°36	28°22	28°19	5°43	14°48	16°16	17°55	17°15	20°48	S 25
S 26	16 11 46	3°58'30	16° 0	4°27	24°47	2° 6	10°30	28°29	28°21	5°45	14°49	16°D15	17°52	17°22	20°52	S 26
M27	16 15 43	4°56'00	29°19	6°39	26° 0	2° 0	10°23	28°36	28°23	5°46	14°50	16°15	17°49	17°29	20°56	M27
T 28	16 19 40	5°53'28	12 Ω 13	8°51	27°13	1°52	10°17	28°44	28°25	5°47	14°51	16°17	17°46	17°36	21° 1	T 28
W29	16 23 36	6°50'54	24°46	11° 2	28°26	1°44	10°11	28°51	28°26	5°49	14°52	16°18	17°43	17°42	21° 5	W29
T 30	16 27 33	7°48'20	7 m y 1	13°13	29°39	1°35	10° 5	28°59	28°28	5°50	14°53	16°R19	17°39	17°49	21° 9	T 30
F 31	16 31 29	8∏45'44	19 m) 5	15 Ⅱ 22	0952	1 궁 25	9 M .59	29 I 6	28 米 30	5 Ω 51	14 Y 54	169518	17936	17 ≏ 56	21814	F 31

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S 4 S 5 M 6 T 7 W 8	15 43 16 1 16 18 16 35 16 51	7 9 4 34 2 45 4 54 1 s 4 5 5 3 6 13 4 5 8 10 28 4 4 0	6 39 2 3 7 20 2 2 8 2 2 1	24 20 30 0 15 24 19 20 48 0 17 24	40 1 11 43 1 14 46 1 17	14 32 1 18 14 30 1 18 14 28 1 18	3 22 39 0 47 3 22 39 0 47 3 22 39 0 47 3 22 40 0 47 3 22 40 0 47	1 39 0 43 1 38 0 43 1 37 0 43 1 36 0 44 1 35 0 44	18 57 0 0 18 57 0 0 18 57 0 0	9 50 16 51 9 50 16 52 9 50 16 52		1 12 15 1 14 15 1 17 15	3 2 38 4 2 38 5 2 38 6 2 38 7 2 38
T 9 F 10 S 11 S 12		20 17 2 34	10 13 1 5	6 21 22 0 22 24 58 21 38 0 25 24 51 21 53 0 27 24 43 22 8 0 30 25	55 1 27	14 21 1 18 14 19 1 18	8 22 40 0 46 8 22 41 0 46 8 22 41 0 46 8 22 41 0 46	1 33 0 44 1 32 0 44	18 57 0 0 18 56 0 0	9 49 16 52 9 49 16 52	22 23 22 10 22 24 22 11 22 25 22 11 22 25 22 12		
M13 T 14 W15 T 16 F 17	18 25 18 40 18 54 19 8	20 6 1 51 17 8 2 55 13 9 3 50	13 14 1 2 14 0 1 1 14 46 1 15 31 0 5	25 22 35 0 35 25 16 22 48 0 37 25 6 23 0 0 39 25 56 23 12 0 42 25	16 1 48 20 1 52	14 13 1 17 14 11 1 17 14 8 1 17 14 6 1 17	7 22 42 0 46 7 22 42 0 46 7 22 42 0 46 7 22 43 0 45	1 28 0 44 1 27 0 44	18 56 0 0 18 56 0 0 18 55 0 0 18 55 0 0	9 48 16 53 9 48 16 53 9 47 16 54 9 47 16 54	22 25 22 12 22 25 22 13 22 25 22 13 22 25 22 13 22 25 22 14	1 32 15 13 1 34 15 14 1 37 15 13 1 39 15 16 1 42 15 1	4 2 38 5 2 39 6 2 39 7 2 39
S 18 S 19 M20 T 21 W22 T 23 F 24	19 22 19 35 19 48 20 1 20 13 20 25 20 37	2 59 5 0 2n39 5 7 8 11 4 54 13 15 4 20 17 28 3 30 20 32 2 26	17 1 0 3 17 45 0 2 18 28 0 1 19 10 0 19 50 0n 20 29 0 1	25 23 43 0 49 25 15 23 51 0 51 25 4 24 0 0 53 25 7 24 7 0 56 25 17 24 14 0 58 25	28 2 0 32 2 3 35 2 7 39 2 11 43 2 15 48 2 19	14 2 1 1' 14 0 1 10' 13 58 1 10' 13 56 1 10' 13 54 1 10' 13 52 1 10'	5 22 43 0 45 5 22 44 0 45 5 22 44 0 45 5 22 44 0 45 5 22 44 0 45	1 26 0 44 1 25 0 44 1 24 0 44 1 24 0 44 1 23 0 44 1 22 0 44 1 21 0 44	18 55 0 0 18 55 0 0 18 54 0 0 18 54 0 0 18 54 0 0 18 54 0 0	9 47 16 54 9 47 16 54 9 46 16 55 9 46 16 55 9 46 16 55 9 46 16 55	22 25 22 14 22 26 22 15 22 27 22 15 22 27 22 16 22 28 22 16 22 29 22 16 22 30 22 17	1 47 15 19 1 49 15 20 1 52 15 2 1 55 15 20 1 57 15 20 2 0 15 20	9 2 39 0 2 39 1 2 39 2 2 39 3 2 39 4 2 40
W29 T 30	20 48 20 59 21 10 21 20 21 30 21 40 21n49	22 30 0 1 21 29 1n10 19 21 2 16 16 20 3 14 12 41 4 1	21 42 0 3 22 15 0 4 22 45 0 5 23 14 1	57 24 34 1 6 26 6 24 37 1 8 26 14 24 40 1 10 26	56 2 27 0 2 31 4 2 36 8 2 40 13 2 44	13 48 1 13 13 47 1 13 13 45 1 13 13 43 1 13 13 41 1 13	5 22 44 0 44 5 22 45 0 44 5 22 45 0 44 5 22 45 0 44 5 22 45 0 44 6 22 45 0 44 6 22 45 0 44 6 22 45 0 44	1 21 0 44 1 20 0 44 1 19 0 44 1 18 0 44 1 17 0 44 1 17 0 544	18 53 0 0 18 53 0 0 18 52 0 0 18 52 0 0 18 52 0 0	9 46 16 56 9 46 16 56 9 45 16 56 9 45 16 57 9 45 16 57	22 30 22 17 22 30 22 18 22 30 22 18 22 30 22 19 22 30 22 19	2 7 15 2 2 10 15 2 2 12 15 2 2 15 15 3	6 2 40 7 2 40 8 2 40 9 2 40 0 2 40

Julian Day Number = 2302280.5, Delta T = 101.27 sec Ecliptic obliquity = $23^{\circ}29'30$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}02'13$, Lahiri = $18^{\circ}09'13$ Greg. Calendar

JUNE 1591 GC 00:00 UT

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S 1	16 35 26	9 Ⅱ 43'07	1₾ 0	17 II 30	299 5	1°R15	9°R53	29∏14	28 米 31	5 Ω 53	14 Y 55	16°R16	17933	18 ♀ 3	21818	S 1
S 2	16 39 22	10°40'29	12°53	19°37	3°18	1ට 4	9 M 47	29°21	28°33	5°54	14°56	16912	17°30	18° 9	21°22	S 2
M 3	16 43 19	11°37'50	24°46	21°42	4°31	0°52	9°42	29°29	28°34	5°55	14°57	16° 7	17°27	18°16	21°26	M 3
T 4	16 47 15	12°35'10	6 M .43	23°45	5°44	0°40	9°36	29°36	28°36	5°57	14°58	16° 2	17°23	18°23	21°31	T 4
W 5	16 51 12	13°32'29	18°48	25°47	6°57	0°27	9°31	29°44	28°37	5°58	14°59	15°56	17°20	18°29	21°35	W 5
T 6	16 55 8	14°29'47	1 / 7 1	27°46	8° 9	0°13	9°26	29°52	28°39	6° 0	14°59	15°51	17°17	18°36	21°39	T 6
F 7	16 59 5	15°27'05	13°24	29°43	9°22	29 × 759	9°21	29°59	28°40	6° 1	15° 0	15°47	17°14	18°43	21°43	F 7
S 8	17 3 2	16°24'22	25°59	19538	10°35	29°45	9°16	095 7	28°41	6° 3	15° 1	15°44	17°11	18°50	21°48	S 8
S 9	17 6 58	17°21'38	8 ප 46	3°31	11°48	29°30	9°11	0°15	28°43	6° 5	15° 2	15°42	17° 8	18°56	21°52	S 9
M10	17 10 55	18°18'54	21°46	5°21	13° 0	29°14	9° 6	0°22	28°44	6° 6	15° 3	15°D42	17° 4	19° 3	21°56	M10
T 11	17 14 51	19°16'09	4≈58	7° 9	14°13	28°58	9° 2	0°30	28°45	6° 8	15° 3	15°43	17° 1	19°10	22° 0	T 11
W12	17 18 48	20°13'24	18°23	8°54	15°26	28°41	8°58	0°38	28°46	6°10	15° 4	15°45	16°58	19°16	22° 4	W12
T 13	17 22 44	21°10'38	2 ₩ 3	10°38	16°38	28°24	8°54	0°46	28°47	6°11	15° 5	15°46	16°55	19°23	22° 8	T 13
F 14	17 26 41	22° 7'53	15°56	12°18	17°51	28° 7	8°50	0°53	28°48	6°13	15° 5	15°R47	16°52	19°30	22°12	F 14
S 15	17 30 38	23° 5'07	0 Υ 3	13°57	19° 4	27°49	8°46	1° 1	28°49	6°15	15° 6	15°47	16°49	19°37	22°16	S 15
S 16	17 34 34	24° 2'21	14°21	15°33	20°16	27°32	8°42	1° 9	28°50	6°16	15° 7	15°46	16°45	19°43	22°20	S 16
M17	17 38 31	24°59'35	28°49	17° 6	21°29	27°13	8°39	1°17	28°51	6°18	15° 7	15°44	16°42	19°50	22°24	M17
T 18	17 42 27	25°56'49	13 8 21	18°37	22°41	26°55	8°35	1°25	28°52	6°20	15° 8	15°42	16°39	19°57	22°28	T 18
W19	17 46 24	26°54'02	27°53	20° 6	23°54	26°37	8°32	1°32	28°52	6°22	15° 8	15°39	16°36	20° 4	22°32	W19
T 20	17 50 20	27°51'16	12 Ⅱ 18	21°32	25° 6	26°18	8°29	1°40	28°53	6°23	15° 9	15°37	16°33	20°10	22°36	T 20
F 21	17 54 17	28°48'30	26°31	22°55	26°19	25°59	8°27	1°48	28°54	6°25	15°10	15°35	16°29	20°17	22°40	F 21
S 22	17 58 13	29°45'43	10927	24°16	27°31	25°41	8°24	1°56	28°55	6°27	15°10	15°D35	16°26	20°24	22°43	S 22
S 23	18 2 10	09642'56	24° 3	25°35	28°43	25°22	8°22	2° 4	28°55	6°29	15°11	15°35	16°23	20°30	22°47	S 23
M24	18 6 7	1°40'09	7 Ω 18	26°50	29°56	25° 4	8°19	2°12	28°56	6°31	15°11	15°36	16°20	20°37	22°51	M24
T 25	18 10 3	2°37'21	20°11	28° 3	1 N 8	24°45	8°17	2°19	28°56	6°33	15°12	15°37	16°17	20°44	22°55	T 25
W26	18 14 0	3°34'33	2 m 45	29°14	2°20	24°27	8°15	2°27	28°57	6°35	15°12	15°38	16°14	20°51	22°58	W26
T 27	18 17 56	4°31'44	15° 3	0 Ω 21	3°32	24° 9	8°14	2°35	28°57	6°37	15°12	15°39	16°10	20°57	23° 2	T 27
F 28	18 21 53	5°28'56	27° 8	1°25	4°45	23°52	8°12	2°43	28°57	6°39	15°13	15°39	16° 7	21° 4	23° 6	F 28
S 29	18 25 49	6°26'07	9 ₾ 5	2°27	5°57	23°34	8°11	2°51	28°58	6°41	15°13	15°R39	16° 4	21°11	23° 9	S 29
S 30	18 29 46	79523'17	20 ჲ 59	3 Ω 25	7 Ω 9	23 × 17	8 M .10	2959	28 米 58	6 Ω 43	15 Y 14	15939	1695 1	21 ≏ 18	23 8 13	S 30

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S 1	21n57	4n11	5n 0	24n23	1n29	24n43	1n14	26 s21	2 s 5 2	13 s38	1n14	22n46	0 s44	1 s16	0 s44	18n51	0n 0	9 s45	16 s 5 8	22n30	22n20	2 s20	15n32	2 s41
S 2	22 6	0 s 2 0	5 10	24 40	1 36	24 43	1 16	26 26	2 56	13 36	1 14	22 46	0 44	1 15	0 44	18 51	0 0	9 45	16 58	22 30	22 21	2 23	15 33	2 41
M 3	22 14			24 55	1 42		1 18		3 0			22 46	0 43	1 15	-	18 50	0 0	9 45		22 31			15 34	2 41
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W12	23 8			25 13	2 1	24 7	1 32		3 37	13 23	1 12		0 43	1 10		18 47	0 0	9 45		22 34		2 48		2 42
T 13				25 3	2 0		1 33		3 41	13 22	1 12		0 42	1 10		18 47	0 1	9 45		22 33			15 43	2 42
F 14	23 15	9 45	4 33	24 52	1 58	23 51	1 34	27 13	3 44	13 21	1 11	22 47	0 42	1 10	0 45	18 46	0 1	9 45	17 2	22 33	22 26	2 53	15 44	2 43
S 15	23 19	4 36	5 3	24 40	1 55	23 42	1 35	27 17	3 48	13 20	1 11	22 47	0 42	1 9	0 45	18 46	0 1	9 45	17 2	22 33	22 26	2 56	15 45	2 43
S 16	23 21	0n50	5 14	24 26	1 51	23 33	1 36	27 20	3 52	13 19	1 11	22 47	0 42	1 9	0 45	18 45	0 1	9 45	17 2	22 33	22 26	2 58	15 46	2 43
M17	23 24	6 18	5 6	24 10	1 47	23 23	1 37	27 23	3 55	13 18	1 11	22 47	0 42	1 9	0 45	18 45	0 1	9 45	17 3	22 34	22 27	3 1	15 47	2 43
T 18	23 26	11 27	4 39	23 53	1 42	23 12	1 38	27 26	3 59	13 17	1 10	22 47	0 42	1 8	0 45	18 44	0 1	9 45	17 3	22 34	22 27	3 3	15 48	2 43
W19				23 35	1 37		1 39		4 2		1 10	-	0 42	1 8		18 44	0 1	9 45		22 34			15 48	2 44
T 20				23 15	1 31	22 48	1 40				1 10		0 42	1 8		18 44	0 1	9 45					15 49	2 44
F 21	23 29			22 55	1 24		1 41				1 10		0 42	1 8	0 45	18 43	0 1	9 45					15 50	2 44
S 22	23 29	22 37	0 28	22 34	1 17	22 21	1 41	27 37	4 12	13 15	1 9	22 47	0 42	1 7	0 45	18 43	0 1	9 46	17 4	22 35	22 29	3 14	15 51	2 44
S 23				22 12	1 9	'	1 42			13 14	1 9		0 42	1 7	0 45	-	0 1	9 46		22 35			15 52	2 44
M24	23 29			21 49	1 0		1 42		4 18	-	1 9		0 41	1 7	0 45	18 42	0 1	9 46		22 35			15 52	2 45
T 25	-			21 26		21 37	1 43			13 13	1 9		0 41	1 7	0 45	18 41	0 1	9 46		22 35			15 53	2 45
W26 T 27			3 52 4 33	21 3 20 39	0 42 0 32	21 21 21 5	1 43	27 45 27 47	4 23 4 25		1 8 1 8		0 41 0 41	1 7	0 45 0 45	18 41 18 40	0 1 0 1	9 46 9 46		22 34 22 34			15 54 15 54	2 45
F 28	23 23			20 39	0 32	-	1 43		4 23	-	1 8		0 41	1 6	-	18 40		9 46		22 34			15 55	2 45
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S 30	23n17	3 s20	5n15	19n25	Us I	20n12	1n44	27 s51	4 s 3 2	13 s12	In 7	22n47	0s41	1s 6	Us45	18n39	0n 1	9s47	1/s /	22n34	22n32	3 s34	15n56	2 s46

Julian Day Number = 2302311.5, Delta T = 101.14 sec Ecliptic obliquity = $23^{\circ}29'30$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}02'17$, Lahiri = $18^{\circ}09'17$ Greg. Calendar

JULY 1591 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	Ŗ	Day
M 1	18 33 42	89520'28	2 M .54	4 Q 20	8 Ω 21	23°R 1	8°R 9	395 6	28) 58	6 Ω 45	15 Y 14	15°R38	159558	21 ≏ 24	23816	M 1
T 2	18 37 39	9°17'39	14°53	5°12	9°33	22 × 745	8 M 8	3°14	28°58	6°47	15°14	15938	15°55	21°31	23°20	T 2
W 3	18 41 36	10°14'49	27° 2	6° 0	10°45	22°29	8° 7	3°22	28°58	6°49	15°14	15°37	15°51	21°38	23°23	W 3
T 4	18 45 32	11°11'59	9 ∡ 23	6°45	11°57	22°14	8° 7	3°30	28°58	6°51	15°15	15°36	15°48	21°44	23°26	T 4
F 5	18 49 29	12° 9'10	21°58	7°26	13° 9	22° 0	8° 7	3°38	28°R58	6°53	15°15	15°36	15°45	21°51	23°30	F 5
S 6	18 53 25	13° 6'20	4 ح 48	8° 4	14°21	21°46	8°D 6	3°45	28°58	6°55	15°15	15°36	15°42	21°58	23°33	S 6
S 7	18 57 22	14° 3'31	17°55	8°37	15°32	21°33	8° 7	3°53	28°58	6°57	15°15	15°D36	15°39	22° 5	23°36	S 7
M 8	19 1 18	15° 0'42	1≈18	9° 6	16°44	21°20	8° 7	4° 1	28°58	6°59	15°16	15°36	15°35	22°11	23°39	M 8
T 9	19 5 15	15°57'54	14°55	9°31	17°56	21° 8	8° 7	4° 9	28°58	7° 1	15°16	15°R36	15°32	22°18	23°43	T 9
W10	19 9 11	16°55'06	28°45	9°52	19° 8	20°57	8° 8	4°16	28°58	7° 3	15°16	15°36	15°29	22°25	23°46	W10
T 11	19 13 8	17°52'18	12) 45	10° 8	20°19	20°46	8° 9	4°24	28°57	7° 5	15°16	15°35	15°26	22°31	23°49	T 11
F 12	19 17 5	18°49'31	26°52	10°19	21°31	20°36	8°10	4°32	28°57	7° 7	15°16	15°35	15°23	22°38	23°52	F 12
S 13	19 21 1	19°46'45	11 ° 4	10°26	22°42	20°27	8°11	4°39	28°57	7° 9	15°16	15°35	15°20	22°45	23°55	S 13
S 14	19 24 58	20°44'00	25°19	10°R28	23°54	20°19	8°12	4°47	28°56	7°12	15°16	15°D35	15°16	22°52	23°58	S 14
M15	19 28 54	21°41'15	9 8 33	10°25	25° 5	20°11	8°14	4°55	28°56	7°14	15°16	15°35	15°13	22°58	24° 1	M15
T 16	19 32 51	22°38'31	23°44	10°17	26°17	20° 4	8°16	5° 2	28°55	7°16	15°R16	15°36	15°10	23° 5	24° 4	T 16
W17	19 36 47	23°35'48	7 Ⅱ 50	10° 4	27°28	19°58	8°17	5°10	28°55	7°18	15°16	15°36	15° 7	23°12	24° 6	W17
T 18	19 40 44	24°33'06	21°47	9°46	28°40	19°53	8°20	5°17	28°54	7°20	15°16	15°37	15° 4	23°19	24° 9	T 18
F 19	19 44 40	25°30'25	5934	9°24	29°51	19°49	8°22	5°25	28°54	7°22	15°16	15°38	15° 1	23°25	24°12	F 19
S 20	19 48 37	26°27'45	19° 7	8°57	1 Mp 2	19°45	8°24	5°33	28°53	7°25	15°16	15°R38	14°57	23°32	24°14	S 20
S 21	19 52 34	27°25'05	2 N 26	8°26	2°13	19°43	8°27	5°40	28°52	7°27	15°16	15°37	14°54	23°39	24°17	S 21
M22	19 56 30	28°22'26	15°28	7°51	3°25	19°41	8°30	5°47	28°51	7°29	15°16	15°36	14°51	23°45	24°20	M22
T 23	20 0 27	29°19'48	28°14	7°13	4°36	19°40	8°32	5°55	28°50	7°31	15°16	15°35	14°48	23°52	24°22	T 23
W24	20 4 23	0 Ω 17'10	10 m /44	6°32	5°47	19°D40	8°36	6° 2	28°50	7°33	15°16	15°33	14°45	23°59	24°25	W24
T 25	20 8 20	1°14'33	23° 0	5°49	6°58	19°41	8°39	6°10	28°49	7°36	15°15	15°30	14°41	24° 6	24°27	T 25
F 26	20 12 16	2°11'56	5 Ω 5	5° 5	8° 9	19°42	8°42	6°17	28°48	7°38	15°15	15°28	14°38	24°12	24°29	F 26
S 27	20 16 13	3° 9'20	17° 2	4°19	9°19	19°45	8°46	6°24	28°47	7°40	15°15	15°27	14°35	24°19	24°32	S 27
S 28	20 20 9	4° 6'45	28°55	3°34	10°30	19°48	8°50	6°32	28°46	7°42	15°15	15°D26	14°32	24°26	24°34	S 28
M29	20 24 6	5° 4'10	10 M .49	2°50	11°41	19°52	8°54	6°39	28°44	7°45	15°15	15°26	14°29	24°32	24°36	M29
T 30	20 28 3	6° 1'37	22°48	2° 8	12°52	19°57	8°58	6°46	28°43	7°47	15°14	15°27	14°26	24°39	24°38	T 30
W31	20 31 59	6 Ω 59'03	4 ₹ 758	1 Q 28	14Mp 2	20 ∡ 3	9 ™ 2	6953	28) (42	7 Ω 49	15 ℃ 14	159528	149522	24 ≏ 46	24 8 40	W31

Day	0	D		ζ	5	φ		ď	7	2	4	ħ	ı);	j (4		Р	n	Ω	Ç	ď	5
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	dec	el decl	decl	decl	lat
M 1 T 2	23n14 23 10		-	19n 1 18 36	0s13 0 25	19n53 19 34	1n44 1 44	27 s52		13 s12	1n 7		0 s41 0 41	1s 6			0n 1 0 1	9 s 47 17 s 9 47 17		34 22n32 34 22 32		15n57 15 58	2 s46 2 46
W 3	23 6			18 12	0 38			27 54		13 12	1 6		0 41	1 6			0 1	9 47 17		5 22 33		15 58	2 46
T 4	_	18 49	3 7	17 49	0 51			27 55	4 39	13 12	1 6	-	0 41	1 6	0 45		0 1	9 48 17		5 22 33		15 59	2 47
F 5 S 6			2 7 0 59	17 25 17 3	1 4 1 17		1 43 1 42	27 5527 56	4 41 4 42	13 12 13 12	1 6		0 41 0 40	1 6 1 6			0 1 0 1	9 48 17 9 48 17		5 22 34 5 22 34	3 47 3 50		2 47 2 47
S 7	-			16 41	1 31		1 42		4 44			_	0 40	1 6	0 45		0 1			5 22 34			2 47
M 8 T 9	22 39			16 19	1 45			27 57			1 5		0 40	1 6		18 35	0 1	9 49 17			3 55		2 48
W10	22 32 22 25			15 59 15 40	2 0 2 14		1 40 1 40		4 46 4 47		1 5		0 40 0 40	1 6		18 34 18 34	0 1 0 1	9 49 17 9 49 17			3 57 4 0	16 2 16 2	2 48 2 48
T 11	-			15 22	2 28	-	1 39		4 48		1 4		0 40	1 7	0 46		0 1	9 49 17			4 2		2 48
F 12	22 10		5 0	15 5	2 43		1 38		4 48		1 4	-	0 40	1 7			0 1			5 22 36	4 5	16 3	2 49
S 13	22 2	0 27	5 16	14 50	2 57	15 30	1 37	27 57	4 49	13 16	1 4	22 45	0 40	1 7	0 46	18 32	0 1	9 50 17	12 22 3	5 22 37	4 8	16 4	2 49
S 14	21 53			14 36	3 11	-	1 36			13 16	1 3		0 40	1 7	0 .0		0 1	9 50 17			4 10		2 49
M15 T 16	21 44 21 35			14 23 14 13	3 24 3 37	14 40 14 15	1 34 1 33	27 56	4 50 4 50		1 3		0 40 0 40	1 8 1 8		18 31 18 31	0 1			5 22 37 5 22 38	4 13 4 15		2 49 2 50
W17	21 25	-		14 13	3 50			27 56	4 50		1 3		0 40	1 8			0 1 0 1	9 51 17			4 13		2 50
T 18	21 15			13 57	4 2		1 30		4 50		1 2		0 40	1 8			0 1	9 52 17			4 20		2 50
F 19				13 53		12 56		27 55		13 21	1 2		0 40	1 9			0 1	9 52 17			4 23		2 50
S 20	20 54	22 27	0n19	13 50	4 23	12 29	1 27	27 55	4 50	13 22	1 2	22 43	0 40	1 9	0 46	18 28	0 1	9 52 17	14 22 3	4 22 39	4 26	16 7	2 51
S 21	20 43			13 49	4 32			27 54		13 23	1 2		0 39	1 9			0 1	9 53 17			4 28		2 51
M22 T 23	20 32 20 20			13 50 13 54	4 39 4 46	11 35 11 7		27 5427 53		13 24 13 25	1 1	-	0 39 0 39	1 10 1 10			0 1 0 1	9 53 17 9 54 17			4 31 4 33		2 51 2 51
W24		-	-	13 59	4 50	,		27 53	4 48		1 1		0 39	1 10			0 1			5 22 40	4 36		2 52
T 25	19 56			14 7	4 54		1 18		4 48		1 1		0 39	1 11	0 46		0 1	9 54 17			4 39		2 52
F 26	19 43			14 16	4 55	9 42		27 52	4 47		1 (0 39	1 11	0 46		0 1	9 55 17			4 41		2 52
S 27	19 30	1 s51		14 27	4 55	9 14	1 14			13 30	1 (22 41	0 39	1 12	0 46		0 1	9 55 17			4 44	16 9	2 52
S 28	19 16			14 39	4 52	8 45		27 51		13 32	1 (0 39	1 12		-	0 1	9 55 17				16 10	2 53
M29 T 30	19 2 18 48			14 53 15 8	4 48 4 43	8 15 7 46		27 50 27 50	4 45	13 33 13 35		22 41 22 40	0 39 0 39	1 12 1 13			0 1 0 1	9 56 17 9 56 17				16 10 16 10	2 53 2 53
W31		-		15 o	-	7 40 7n17	-	27 s49		13 s36		22 40 22n40	0 s39	1 s13		18 23 18n22	0n 1	9 s57 17 s				16n10	2 s53

Julian Day Number = 2302341.5, Delta T = 101.01 sec Ecliptic obliquity = $23^{\circ}29'30$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}02'21$, Lahiri = $18^{\circ}09'21$ Greg. Calendar

AUGUST 1591 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(#	Р	₽.	v	Ç	Ŗ	Day
T 1	20 35 56	7 Ω 56'31	17 × 22	0°R52	15 m 13	20 × 10	9 m 7	7 95 0	28°R41	7 Ω 51	15°R14	15930	149519	24₾53	24842	T 1
F 2	20 39 52	8°54'00	0중 4	$0\Omega 19$	16°23	20°17	9°11	7° 7	28) (40	7°53	15 Y 13	15°31	14°16	24°59	24°44	F 2
S 3	20 43 49	9°51'29	13° 6	29952	17°34	20°25	9°16	7°14	28°38	7°56	15°13	15°R32	14°13	25° 6	24°46	S 3
S 4	20 47 45	10°49'00	26°30	29°30	18°44	20°34	9°21	7°21	28°37	7°58	15°13	15°31	14°10	25°13	24°48	S 4
M 5	20 51 42	11°46'31	10≈14	29°14	19°54	20°44	9°26	7°28	28°36	8° 0	15°12	15°30	14° 7	25°20	24°49	M 5
T 6	20 55 39	12°44'04	24°18	29° 4	21° 5	20°54	9°31	7°35	28°34	8° 2	15°12	15°27	14° 3	25°26	24°51	T 6
W 7	20 59 35	13°41'38	8 ∺ 36	29°D 1	22°15	21° 6	9°36	7°42	28°33	8° 5	15°11	15°23	14° 0	25°33	24°53	W 7
T 8	21 3 32	14°39'13	23° 2	29° 4	23°25	21°17	9°42	7°49	28°31	8° 7	15°11	15°19	13°57	25°40	24°54	T 8
F 9	21 7 28	15°36'49	7 Υ 32	29°15	24°35	21°30	9°48	7°56	28°30	8° 9	15°10	15°15	13°54	25°46	24°56	F 9
S 10	21 11 25	16°34'28	22° 0	29°34	25°45	21°43	9°54	8° 3	28°28	8°11	15°10	15°12	13°51	25°53	24°57	S 10
S 11	21 15 21	17°32'07	6 8 21	29°59	26°55	21°57	9°59	8° 9	28°26	8°13	15° 9	15°10	13°47	26° 0	24°59	S 11
M12	21 19 18	18°29'49	20°32	$0\Omega 32$	28° 4	22°12	10° 6	8°16	28°25	8°16	15° 9	15°D10	13°44	26° 7	25° 0	M12
T 13	21 23 14	19°27'32	4 Ⅱ 32	1°12	29°14	22°27	10°12	8°22	28°23	8°18	15° 8	15°11	13°41	26°13	25° 1	T 13
W14	21 27 11	20°25'16	18°18	1°59	0 <u>ჲ</u> 24	22°43	10°18	8°29	28°21	8°20	15° 8	15°12	13°38	26°20	25° 3	W14
T 15	21 31 7	21°23'03	1952	2°53	1°33	23° 0	10°25	8°35	28°20	8°22	15° 7	15°13	13°35	26°27	25° 4	T 15
F 16	21 35 4	22°20'51	15°14	3°53	2°43	23°17	10°32	8°42	28°18	8°24	15° 6	15°R14	13°32	26°33	25° 5	F 16
S 17	21 39 1	23°18'41	28°23	5° 0	3°52	23°35	10°38	8°48	28°16	8°27	15° 6	15°13	13°28	26°40	25° 6	S 17
S 18	21 42 57	24°16'32	11 Ω 20	6°14	5° 1	23°54	10°45	8°55	28°14	8°29	15° 5	15°11	13°25	26°47	25° 7	S 18
M19	21 46 54	25°14'25	24° 5	7°33	6°11	24°13	10°52	9° 1	28°12	8°31	15° 4	15° 6	13°22	26°54	25° 8	M19
T 20	21 50 50	26°12'19	6 m 38	8°57	7°20	24°33	11° 0	9° 7	28°10	8°33	15° 4	15° 0	13°19	27° 0	25° 9	T 20
W21	21 54 47	27°10'15	18°59	10°27	8°29	24°53	11° 7	9°13	28° 8	8°35	15° 3	14°52	13°16	27° 7	25° 9	W21
T 22	21 58 43	28° 8'12	1₽9	12° 1	9°38	25°14	11°15	9°19	28° 6	8°37	15° 2	14°45	13°12	27°14	25°10	T 22
F 23	22 2 40	29° 6'10	13°11	13°40	10°46	25°36	11°22	9°25	28° 4	8°39	15° 2	14°37	13° 9	27°21	25°11	F 23
S 24	22 6 36	0 Mg 4'10	25° 6	15°22	11°55	25°58	11°30	9°31	28° 2	8°41	15° 1	14°30	13° 6	27°27	25°11	S 24
S 25	22 10 33	1° 2'12	6 M 57	17° 7	13° 4	26°20	11°38	9°37	28° 0	8°44	15° 0	14°26	13° 3	27°34	25°12	S 25
M26	22 14 30	2° 0'15	18°49	18°55	14°12	26°43	11°46	9°43	27°58	8°46	14°59	14°23	13° 0	27°41	25°12	M26
T 27	22 18 26	2°58'19	0 ₮ 46	20°46	15°21	27° 7	11°54	9°49	27°56	8°48	14°58	14°D22	12°57	27°47	25°13	T 27
W28	22 22 23	3°56'25	12°53	22°38	16°29	27°31	12° 2	9°54	27°54	8°50	14°58	14°22	12°53	27°54	25°13	W28
T 29	22 26 19	4°54'32	25°15	24°32	17°37	27°56	12°11	10° 0	27°52	8°52	14°57	14°23	12°50	28° 1	25°13	T 29
F 30	22 30 16	5°52'41	7 云 57	26°26	18°46	28°21	12°19	10° 5	27°50	8°54	14°56	14°R24	12°47	28° 8	25°13	F 30
S 31	22 34 12	6 m 50'51	21중 3	28 N 22	19 ≙ 54	28 × 47	12 M 28	109911	27) (47	8 Ω 56	14 Υ 55	149524	129544	28 ≏ 14	25 8 13	S 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl decl l	lat
T 1	18n19			s26 6n47 1n			22n40 0s39	1 s14 0 s46			22n35 22n43	4s57 16n11	2 s54
F 2 S 3	18 4 17 49	22 5 1 2 22 37 0 1	4 15 58 4 3 16 15 4	15 6 17 0 : 4 5 47 0 :			22 39 0 39 22 39 0 39	1 15 0 46 1 15 0 46			22 35 22 44 22 35 22 44	4 59 16 11 5 2 16 11	2 54 2 54
$\begin{bmatrix} s & s \\ s & 4 \end{bmatrix}$	17 33						22 39 0 39			9 59 17 19		5 4 16 11	2 55
M 5		19 49 2 1		36 4 47 0 :			22 38 0 39	1 16 0 46			22 35 22 45	5 7 16 11	2 55
T 6	17 1	16 32 3 1					22 38 0 39	1 17 0 46			22 36 22 45	5 10 16 11	2 55
W 7 T 8	16 45 16 28		0 17 23 3 9 17 38 2	5 3 46 0 4 49 3 15 0 4			22 38 0 39 22 37 0 38	1 17 0 46 1 18 0 46			22 36 22 45 22 37 22 46	5 12 16 11 5 15 16 12	2 55 2 56
F 9	16 11						22 37 0 38				22 37 22 46	5 17 16 12	2 56
S 10	15 54	3n48 5 1	0 18 5 2	15 2 14 0 3	35 27 44 4 3	1 13 55 0 57	22 37 0 38	1 19 0 47	18 17 0 1	10 1 17 21	22 37 22 46	5 20 16 12	2 56
S 11	15 37	9 5 4 5		58 1 43 0	-		22 36 0 38				22 38 22 47	5 22 16 12	2 57
M12 T 13	15 19 15 1	13 50 4 1 17 45 3 2		40 1 12 0 1 23 0 41 0 1				1 21 0 47 1 21 0 47			22 38 22 47 22 38 22 47	5 25 16 12 5 28 16 12	2 57 2 57
W14		20 38 2 2		7 0 10 0 2				1 21 0 47			22 38 22 47	5 30 16 12	2 57
T 15	14 24	22 17 1 1						1 23 0 47			22 37 22 48	5 33 16 12	2 58
F 16 S 17	14 6			35 0 52 0 19 1 23 0			22 34 0 38 22 34 0 38	1 24 0 47 1 24 0 47			22 37 22 48 22 37 22 48	5 35 16 12 5 38 16 12	2 58 2 58
S 18 M19	13 28	19 37 2 1 16 35 3 1	7 18 41 0 5 18 34 0r				22 34 0 38 22 33 0 38	1 25 0 47 1 26 0 47			22 38 22 49 22 38 22 49	5 41 16 12 5 43 16 12	2 59 2 59
T 20	12 49	12 51 4				6 14 18 0 54		1 27 0 47			22 39 22 49	5 46 16 11	2 59
W21	12 29	8 37 4 3					22 32 0 38	1 27 0 47			22 40 22 50	5 48 16 11	3 0
T 22 F 23	12 9 11 49	4 7 4 5 0s29 5		46 3 58 0 56 4 29 0			22 32 0 38 22 32 0 38	1 28 0 47 1 29 0 47			22 40 22 50 22 41 22 50	5 51 16 11 5 53 16 11	3 0
S 24	11 28		3 17 18 1				22 31 0 38	1 30 0 47			22 42 22 51	5 56 16 11	3 0
S 25	11 8	9 23 4 4	5 16 55 1	14 5 30 0 3	21 27 34 4	7 14 31 0 53	22 31 0 38	1 31 0 47	18 8 0 1	10 9 17 25	22 43 22 51	5 59 16 11	3 1
M26	10 47			21 6 0 0 1			22 31 0 38	1 32 0 47			22 43 22 51	6 1 16 11	3 1
T 27 W28	10 26 10 5			28 6 31 0 3 33 7 1 0 3			22 30 0 38 22 30 0 38	1 32 0 47 1 33 0 47			22 43 22 52 22 43 22 52	6 4 16 10 6 6 16 10	3 1 3 2
T 29		21 43 1 4		38 7 31 0 3			22 29 0 38	1 34 0 47			22 43 22 52	6 9 16 10	3 2
F 30				41 8 1 0			22 29 0 38	1 35 0 47			22 43 22 53	6 12 16 10	3 2
S 31	9n 1	22 s26 0 s3	6 13n42 1r	n44 8s31 0s4	7 27 s26 3 s5	7 14 s47 0n52	22n29 0s38	1 s36 0 s47	18n 5 On 1	10s12 17s27	22n43 22n53	6s14 16n 9	3 s 3

Julian Day Number = 2302372.5, Delta T = 100.88 sec Ecliptic obliquity = $23^{\circ}29'30$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}02'25$, Lahiri = $18^{\circ}09'26$ Greg. Calendar

SEPTEMBER 1591 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	ę,	Day
S 1	22 38 9	7 m 49'03	4≈35	0 m 18	21 ♀ 1	29 × 13	12 M .37	109516	27°R45	8 Ω 58	14°R54	14°R22	129541	28 ≏ 21	25°R13	S 1
M 2	22 42 5	8°47'16	18°33	2°14	22° 9	29°39	12°45	10°22	27) (43	9° 0	14 Y 53	149518	12°38	28°28	25 8 13	M 2
T 3	22 46 2	9°45'31	2 米 56	4°10	23°17	0중 6	12°54	10°27	27°41	9° 2	14°52	14°12	12°34	28°34	25°13	T 3
W 4	22 49 59	10°43'48	17°38	6° 5	24°24	0°33	13° 3	10°32	27°38	9° 4	14°52	14° 4	12°31	28°41	25°13	W 4
T 5	22 53 55	11°42'06	2 Υ 32	8° 0	25°32	1° 1	13°13	10°37	27°36	9° 6	14°51	13°55	12°28	28°48	25°13	T 5
F 6	22 57 52	12°40'27	17°28	9°55	26°39	1°29	13°22	10°42	27°34	9° 8	14°50	13°47	12°25	28°55	25°13	F 6
S 7	23 1 48	13°38'49	2818	11°49	27°46	1°58	13°31	10°47	27°32	9°10	14°49	13°39	12°22	29° 1	25°12	S 7
S 8	23 5 45	14°37'14	16°55	13°42	28°53	2°27	13°41	10°52	27°29	9°12	14°48	13°34	12°18	29° 8	25°12	S 8
M 9	23 941	15°35'41	1 I I13	15°34	29°59	2°56	13°50	10°57	27°27	9°13	14°47	13°31	12°15	29°15	25°11	M 9
T 10	23 13 38	16°34'10	15°12	17°25	1 M 6	3°25	14° 0	11° 1	27°24	9°15	14°46	13°D30	12°12	29°21	25°11	T 10
W11	23 17 34	17°32'42	28°50	19°16	2°13	3°55	14°10	11° 6	27°22	9°17	14°45	13°31	12° 9	29°28	25°10	W11
T 12	23 21 31	18°31'15	129911	21° 5	3°19	4°26	14°20	11°11	27°20	9°19	14°44	13°R31	12° 6	29°35	25° 9	T 12
F 13	23 25 28	19°29'51	25°14	22°53	4°25	4°57	14°30	11°15	27°17	9°21	14°43	13°31	12° 3	29°42	25° 9	F 13
S 14	23 29 24	20°28'29	8 Q 4	24°41	5°31	5°28	14°40	11°19	27°15	9°23	14°42	13°28	11°59	29°48	25° 8	S 14
S 15	23 33 21	21°27'09	20°42	26°27	6°37	5°59	14°50	11°24	27°13	9°24	14°41	13°23	11°56	29°55	25° 7	S 15
M16	23 37 17	22°25'51	3 Mp 10	28°12	7°43	6°31	15° 1	11°28	27°10	9°26	14°40	13°15	11°53	0M 2	25° 6	M16
T 17	23 41 14	23°24'36	15°28	29°57	8°48	7° 3	15°11	11°32	27° 8	9°28	14°39	13° 4	11°50	0° 8	25° 5	T 17
W18	23 45 10	24°23'22	27°38	1 ≏ 40	9°54	7°35	15°21	11°36	27° 5	9°29	14°38	12°51	11°47	0°15	25° 4	W18
T 19	23 49 7	25°22'10	9 ≏ 41	3°22	10°59	8° 8	15°32	11°40	27° 3	9°31	14°36	12°38	11°44	0°22	25° 3	T 19
F 20	23 53 3	26°21'00	21°38	5° 4	12° 4	8°41	15°43	11°44	27° 1	9°33	14°35	12°25	11°40	0°29	25° 1	F 20
S 21	23 57 0	27°19'52	3 M .30	6°44	13° 9	9°14	15°53	11°48	26°58	9°34	14°34	12°13	11°37	0°35	25° 0	S 21
S 22	0 0 56	28°18'46	15°20	8°24	14°13	9°48	16° 4	11°51	26°56	9°36	14°33	12° 4	11°34	0°42	24°59	S 22
M23	0 4 53	29°17'42	27°10	10° 3	15°18	10°22	16°15	11°55	26°53	9°38	14°32	11°57	11°31	0°49	24°57	M23
T 24	0 8 50	0 ≏ 16'40	9 .₹ 5	11°40	16°22	10°56	16°26	11°58	26°51	9°39	14°31	11°53	11°28	0°55	24°56	T 24
W25	0 12 46	1°15'40	21° 9	13°17	17°26	11°30	16°37	12° 2	26°48	9°41	14°30	11°51	11°24	1° 2	24°54	W25
T 26	0 16 43	2°14'41	3 云 27	14°53	18°29	12° 5	16°48	12° 5	26°46	9°42	14°29	11°D51	11°21	1° 9	24°53	T 26
F 27	0 20 39	3°13'44	16° 4	16°28	19°33	12°40	17° 0	12° 8	26°44	9°44	14°28	11°R51	11°18	1°16	24°51	F 27
S 28	0 24 36	4°12'49	29° 6	18° 3	20°36	13°15	17°11	12°11	26°41	9°45	14°26	11°50	11°15	1°22	24°50	S 28
S 29	0 28 32	5°11'56	12≈35	19°36	21°39	13°50	17°22	12°14	26°39	9°47	14°25	11°47	11°12	1°29	24°48	S 29
M30	0 32 29	6 ₽ 11'04	26≈35	21 ♀ 9	22 M 42	14 る 26	17 M .34	129517	26) 36	9 Ω 48	14 Υ 24	119542	1199 9	1 M .36	24 8 46	M30

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
S 1 M 2	8n39 8 18	18 2 2 52	12 22 1 4	47 9 30 0 56	27 23 3 53		22 28 0 37	1 s37 0 s47 1 38 0 47	18 4 0 1	10 13 17 27	22 43 22 53	6 19	
T 3 W 4 T 5	7 56 7 34 7 11		11 41 1 4 10 58 1 4 10 14 1 4	47 10 29 1 5		14 59 0 51	22 27 0 37 22 27 0 37 22 27 0 37	1 39 0 47 1 39 0 47 1 40 0 47	18 3 0 1	10 14 17 28 10 14 17 28 10 15 17 28	22 45 22 54	6 24	16 8 3 4
F 6 S 7	6 49 6 27	2n11 5 4 7 47 4 49	9 29 1 4 8 44 1 4	45 11 27 1 14 43 11 55 1 18			22 26 0 37 22 26 0 37	1 41 0 47 1 42 0 47		10 15 17 28 10 16 17 28			
S 8 M 9 T 10	6 4 5 41 5 19	17 6 3 25	7 58 1 4 7 12 1 3 6 25 1 3	37 12 51 1 27	27 8 3 40	15 14 0 50	22 26 0 37 22 25 0 37 22 25 0 37	1 43 0 47 1 44 0 47 1 45 0 47	18 1 0 1	10 16 17 29 10 17 17 29 10 17 17 29	22 48 22 56	6 37	16 6 3 5
W11 T 12	4 56 4 33	22 12 1 17 22 49 0 7	5 38 1 2 4 51 1 2	29 13 47 1 36 25 14 14 1 41	27 3 3 37 27 0 3 35	15 20 0 50 15 23 0 50	22 25 0 37 22 24 0 37	1 46 0 47 1 47 0 47	18 0 0 1 17 59 0 2	10 18 17 29 10 18 17 29	22 48 22 56 22 48 22 56	6 43 6 45	16 5 3 6 16 5 3 6
F 13 S 14 S 15	4 10 3 47 3 24	20 20 2 7		15 15 7 1 50	26 54 3 31	15 29 0 49	22 24 0 37 22 24 0 37 22 23 0 37	1 49 0 47	17 59 0 2 17 58 0 2 17 58 0 2	10 19 17 30	22 49 22 57	6 48 6 50 6 53	16 4 3 7
M16 T 17	3 1 2 37	13 57 3 51 9 50 4 27	1 42 1 0 55 0 5	5 16 0 1 59 59 16 25 2 4	26 47 3 27 26 44 3 26	15 36 0 49 15 39 0 49	22 23 0 37 22 23 0 37	1 51 0 47 1 52 0 47	17 57 0 2 17 57 0 2	10 21 17 30 10 21 17 30	22 50 22 58 22 51 22 58	6 55 6 58	16 3 3 7
W18 T 19 F 20	2 14 1 51 1 27	5 23 4 50 0 45 5 0 3 s 5 2 4 5 7		46 17 16 2 13		15 45 0 48	22 22 0 37 22 22 0 37 22 22 0 37	1 53 0 47 1 54 0 47 1 55 0 47		10 22 17 30	22 53 22 58	7 3	16 2 3 8 16 1 3 8 16 1 3 9
S 21 S 22	1 4 0 40	8 19 4 41 12 27 4 12	2 10 0 3 2 56 0 2				22 21 0 37 22 21 0 37		17 55 0 2 17 55 0 2	10 23 17 30 10 24 17 31			
M23 T 24 W25	0 17 0s 7	16 7 3 33 19 10 2 44 21 25 1 47	3 41 0 2 4 25 0 1 5 10 0		26 14 3 13	16 2 0 48	22 21 0 37 22 20 0 37 22 20 0 37	1 58 0 47 1 58 0 47 1 59 0 47		10 25 17 31	22 58 23 0	7 16	15 59 3 9 15 58 3 10 15 58 3 10
T 26 F 27 S 28	0 54 1 17	22 43 0 44 22 54 0s22 21 51 1 30	5 53 0s 6 37 0	1 20 0 2 44 8 20 21 2 48	26 5 3 9 26 0 3 7	16 8 0 47 16 12 0 47	22 20 0 37 22 20 0 37 22 20 0 37 22 19 0 37	2 0 0 47 2 1 0 47		10 26 17 31 10 26 17 31	22 58 23 0 22 58 23 1	7 21 7 24	
S 29 M30	2 4 2 s28	19 32 2 35	8 2 0 2	22 21 4 2 57	25 49 3 3	16 18 0 47	22 19 0 37 22 19 0 37 22n19 0 s37	2 3 0 47	17 52 0 2	10 27 17 31 10 27 17 31 10 s28 17 s31	22 58 23 1	7 29	15 55 3 11 15 n54 3 s11

 $\label{eq:Julian Day Number = 2302403.5, Delta T = 100.75 sec} \\ Ecliptic obliquity = 23°29'31, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°02'30, Lahiri = 18°09'30Greg. Calendar \\ \\$

OCTOBER 1591 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	В	n	Ω	Ç	ķ	Day
T 1	0 36 25	7₽10'15	11) 4	22 ≏ 41	23 M .44	15 ප 2	17 M .45	12920	26°R34	9€49	14°R23	11°R34	1195 5	1 ML 42	24°R44	T 1
W 2	0 40 22	8° 9'27	25°57	24°12	24°46	15°38	17°57	12°22	26 \(\) 32	9°51	14Υ22	119524	11° 2	1°49	24842	W 2
T 3	0 44 19	9° 8'41	11 ° 7	25°42	25°48	16°14	18° 9	12°25	26°29	9°52	14°21	11°13	10°59	1°56	24°40	T 3
F 4	0 48 15	10° 7'57	26°23	27°12	26°49	16°50	18°20	12°27	26°27	9°53	14°20	11° 2	10°56	2° 3	24°38	F 4
S 5	0 52 12	11° 7'15	11 8 34	28°40	27°50	17°27	18°32	12°30	26°25	9°55	14°18	10°52	10°53	2° 9	24°36	S 5
S 6	0 56 8	12° 6'36	26°30	0 m 8	28°51	18° 4	18°44	12°32	26°22	9°56	14°17	10°45	10°49	2°16	24°34	S 6
M 7	1 0 5	13° 5'59	11 I I 4	1°35	29°52	18°41	18°56	12°34	26°20	9°57	14°16	10°40	10°46	2°23	24°32	M 7
T 8	1 4 1	14° 5'25	25°12	3° 2	0 ∡ 52	19°18	19°8	12°36	26°18	9°58	14°15	10°38	10°43	2°29	24°29	T 8
W 9	1 7 58	15° 4'53	8954	4°27	1°52	19°56	19°20	12°38	26°16	10° 0	14°14	10°38	10°40	2°36	24°27	W 9
T 10	1 11 54	16° 4'23	22°12	5°52	2°51	20°33	19°32	12°40	26°13	10° 1	14°13	10°37	10°37	2°43	24°25	T 10
F 11	1 15 51	17° 3'55	5 N 9	7°16	3°50	21°11	19°44	12°41	26°11	10° 2	14°12	10°37	10°34	2°50	24°22	F 11
S 12	1 19 48	18° 3'30	17°48	8°38	4°49	21°49	19°57	12°43	26° 9	10° 3	14°10	10°34	10°30	2°56	24°20	S 12
S 13	1 23 44	19° 3'07	0 m 13	10° 0	5°47	22°27	20° 9	12°45	26° 7	10° 4	14° 9	10°28	10°27	3° 3	24°17	S 13
M14	1 27 41	20° 2'46	12°28	11°21	6°45	23° 6	20°21	12°46	26° 5	10° 5	14° 8	10°19	10°24	3°10	24°15	M14
T 15	1 31 37	21° 2'27	24°35	12°41	7°42	23°44	20°34	12°47	26° 2	10° 6	14° 7	10° 8	10°21	3°16	24°12	T 15
W16	1 35 34	22° 2'11	6 ₽ 36	14° 0	8°39	24°23	20°46	12°48	26° 0	10° 7	14° 6	9°55	10°18	3°23	24°10	W16
T 17	1 39 30	23° 1'56	18°32	15°17	9°36	25° 1	20°59	12°49	25°58	10° 8	14° 5	9°40	10°15	3°30	24° 7	T 17
F 18	1 43 27	24° 1'44	0M25	16°33	10°32	25°40	21°11	12°50	25°56	10° 9	14° 3	9°26	10°11	3°37	24° 4	F 18
S 19	1 47 23	25° 1'34	12°16	17°48	11°27	26°20	21°24	12°51	25°54	10°10	14° 2	9°14	10° 8	3°43	24° 1	S 19
S 20	1 51 20	26° 1'25	24° 6	19° 1	12°22	26°59	21°37	12°52	25°52	10°10	14° 1	9° 3	10° 5	3°50	23°59	S 20
M21	1 55 17	27° 1'18	5 ₹ 58	20°12	13°16	27°38	21°49	12°52	25°50	10°11	14° 0	8°56	10° 2	3°57	23°56	M21
T 22	1 59 13	28° 1'14	17°54	21°22	14°10	28°18	22° 2	12°53	25°48	10°12	13°59	8°51	9°59	4° 3	23°53	T 22
W23	2 3 10	29° 1'11	29°59	22°29	15° 3	28°57	22°15	12°53	25°46	10°13	13°58	8°49	9°55	4°10	23°50	W23
T 24	2 7 6	OM 1'09	12 る 16	23°35	15°56	29°37	22°28	12°54	25°45	10°13	13°57	8°D49	9°52	4°17	23°47	T 24
F 25	2 11 3	1° 1'10	24°50	24°37	16°48	0≈17	22°40	12°54	25°43	10°14	13°56	8°R49	9°49	4°24	23°44	F 25
S 26	2 14 59	2° 1'12	7 ≈ 45	25°37	17°39	0°57	22°53	12°R54	25°41	10°15	13°55	8°49	9°46	4°30	23°41	S 26
S 27	2 18 56	3° 1'15	21° 7	26°34	18°30	1°37	23° 6	12°54	25°39	10°15	13°53	8°48	9°43	4°37	23°38	S 27
M28	2 22 52	4° 1'20	4) (57	27°28	19°19	2°18	23°19	12°54	25°37	10°16	13°52	8°44	9°40	4°44	23°35	M28
T 29	2 26 49	5° 1'27	19°17	28°17	20° 8	2°58	23°32	12°53	25°36	10°16	13°51	8°38	9°36	4°50	23°32	T 29
W30	2 30 46	6° 1'35	4Υ 5	29° 2	20°56	3°39	23°45	12°53	25°34	10°17	13°50	8°30	9°33	4°57	23°29	W30
T 31	2 34 42	7 M 1'45	19 Y 13	29 M 43	21 ~ 144	4≈19	23 M 58	12952	25 米 32	10 Ω 17	13 Y 49	8920	9 93 0	5 M 4	23826	T 31

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T 1 W 2	2 s 5 1 3 1 5	11 s25 4 s19 6 2 4 49	10 5 0 4		25 31 2 58		22 18 0 37	2s 5 0s47 2 6 0 47	17n51 On 2 17 51 O 2	10 28 17 31		7 s34 15n54 7 37 15 53	3 12
T 3 F 4 S 5	3 38 4 1 4 25	5n42 4 50	11 23 0 5	51 22 23 3 13 58 22 41 3 17 5 22 59 3 21	25 19 2 54	16 35 0 46	22 18 0 37 22 18 0 37 22 18 0 36	2 7 0 47 2 8 0 47 2 9 0 47		10 29 17 31	23 2 23 2	7 39 15 52 7 42 15 51 7 45 15 51	3 12
S 6 M 7 T 8	4 48 5 11 5 34	19 41 2 29	13 17 1 1	18 23 34 3 29	24 58 2 49	16 46 0 46	22 18 0 36 22 18 0 36 22 17 0 36	2 11 0 47	17 50 0 2 17 49 0 2 17 49 0 2		23 4 23 3	7 47 15 50 7 50 15 49 7 52 15 48	3 13
W 9 T 10 F 11	5 57 6 20 6 43	23 2 0 9 22 39 1n 1	14 28 1 3 15 3 1 3	32 24 6 3 36 38 24 22 3 40	24 44 2 45 24 36 2 43	16 52 0 45 16 56 0 45	22 17 0 36 22 17 0 36 22 17 0 36 22 17 0 36	2 12 0 47 2 13 0 47	17 49 0 2 17 48 0 2 17 48 0 2	10 32 17 31 10 32 17 31	23 4 23 4 23 4 23 4	7 55 15 48 7 57 15 47 8 0 15 46	3 14 3 14
S 12 S 13 M14	7 6 7 29 7 51		16 42 1 5			17 6 0 45		2 16 0 47	17 48 0 2 17 48 0 2 17 47 0 2	10 33 17 31	23 5 23 5	8 3 15 45 8 5 15 44 8 8 15 43	3 15
T 15 W16 T 17 F 18 S 19	8 14 8 36 8 58 9 20 9 42	6 35 4 49 1 57 4 59 2 s 42 4 56 7 16 4 41	17 43 2 18 12 2 1	9 25 31 3 56 14 25 43 3 58 20 25 55 4 1 25 26 6 4 4	23 56 2 34 23 47 2 32 23 39 2 31 23 30 2 29	17 13 0 45 17 16 0 44 17 20 0 44 17 23 0 44	22 17 0 36 22 16 0 36 22 16 0 36	2 17 0 47 2 18 0 47 2 19 0 47 2 20 0 47	17 47 0 2 17 47 0 2 17 47 0 2 17 46 0 2	10 34 17 31 10 34 17 31 10 35 17 31	23 6 23 5 23 7 23 6 23 8 23 6 23 9 23 6	8 10 15 43 8 13 15 42 8 15 15 41 8 18 15 40 8 21 15 39	3 15 3 15 3 16 3 16
S 20 M21 T 22 W23 T 24 F 25	10 4 10 26 10 48 11 9 11 30 11 51	15 23 3 33 18 39 2 45 21 8 1 49 22 43 0 47 23 14 0s18 22 35 1 24	19 58 2 3 20 22 2 3 20 44 2 4 21 5 2 4 21 24 2 4 21 42 2 5	34 26 26 4 9 38 26 36 4 11 31 26 44 4 13 31 5 26 53 4 15 31 7 27 0 4 17 50 27 7 4 18	23 11 2 25 23 1 2 24 22 52 2 22 22 42 2 20 22 32 2 18 22 21 2 17	17 30 0 44 17 33 0 44 17 37 0 44 17 40 0 44 17 43 0 44 17 47 0 43	22 16 0 36 22 16 0 36	2 21 0 47 2 22 0 47 2 23 0 47 2 24 0 47 2 24 0 47 2 25 0 46	17 46 0 2 17 46 0 2 17 45 0 2 17 45 0 2 17 45 0 2 17 45 0 2	10 36 17 31 10 36 17 31 10 37 17 31 10 37 17 31 10 37 17 30 10 37 17 30	23 11 23 6 23 11 23 7 23 12 23 7 23 12 23 7 23 12 23 7 23 12 23 8	8 23 15 38 8 26 15 37 8 28 15 36 8 31 15 35 8 34 15 35 8 36 15 34	3 16 3 17 3 17 3 17 3 17 3 17
S 26 S 27 M28 T 29 W30 T 31	12 33	17 44 3 25 13 38 4 13 8 39 4 47 3 0 5 3	22 13 2 5 22 26 2 5 22 38 2 5 22 47 2 5	51 27 14 4 20 5 52 27 20 4 21 5 53 27 25 4 22 5 53 27 30 4 23 5 52 27 34 4 24 5 50 27 538 4 \$25 5	22 0 2 13 21 49 2 11 21 38 2 10 21 27 2 8	17 54 0 43 17 57 0 43 18 0 0 43 18 4 0 43	22 16 0 36 22 17 0 s36	2 27 0 46 2 27 0 46	17 44 0 2 17 44 0 2 17 44 0 2	10 38 17 30 10 38 17 30 10 39 17 30 10 39 17 30	23 12 23 8 23 12 23 8 23 13 23 9 23 13 23 9	8 39 15 33 8 41 15 32 8 44 15 31 8 46 15 30 8 49 15 29 8 s 5 2 15 n 2 8	3 18 3 18 3 18 3 18

Julian Day Number = 2302433.5, Delta T = 100.63 sec Ecliptic obliquity = $23^{\circ}29'31$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}02'34$, Lahiri = $18^{\circ}09'34$ Greg. Calendar

NOVEMBER 1591 GC 00:00 UT

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F 1	2 38 39	8 M 1'57	4 8 33	0 ∡ 17	22 × 30	5≈ 0	24 M .11	12°R52	25°R31	10Ω18	13°R48	8°R11	99527	5 M .11	23°R22	F 1
S 2	2 42 35	9° 2'10	19°52	0°46	23°16	5°41	24°25	12951	25 米 29	10°18	13 Y 47	895 3	9°24	5°17	23 8 19	S 2
S 3	2 46 32	10° 2'25	5 I 1	1° 9	24° 0	6°21	24°38	12°50	25°28	10°19	13°46	7°56	9°21	5°24	23°16	S 3
M 4	2 50 28	11° 2'43	19°49	1°24	24°44	7° 2	24°51	12°49	25°26	10°19	13°45	7°53	9°17	5°31	23°13	M 4
T 5	2 54 25	12° 3'02	49910	1°R31	25°26	7°43	25° 4	12°48	25°25	10°19	13°44	7°D51	9°14	5°37	23° 9	T 5
W 6	2 58 21	13° 3'23	18° 3	1°29	26° 8	8°25	25°17	12°47	25°23	10°19	13°43	7°52	9°11	5°44	23° 6	W 6
T 7	3 2 18	14° 3'46	1 Ω 29	1°18	26°48	9° 6	25°31	12°45	25°22	10°20	13°42	7°53	9°8	5°51	23° 3	T 7
F 8	3 6 15	15° 4'11	14°29	0°57	27°28	9°47	25°44	12°44	25°21	10°20	13°41	7°R53	9° 5	5°57	23° 0	F 8
S 9	3 10 11	16° 4'38	27° 7	0°26	28° 6	10°29	25°57	12°42	25°19	10°20	13°40	7°52	9° 1	6° 4	22°56	S 9
S 10	3 14 8	17° 5'07	9 m 29	29 M 45	28°42	11°10	26°11	12°41	25°18	10°20	13°39	7°50	8°58	6°11	22°53	S 10
M11	3 18 4	18° 5'38	21°38	28°54	29°18	11°52	26°24	12°39	25°17	10°20	13°38	7°45	8°55	6°18	22°50	M11
T 12	3 22 1	19° 6'10	3 ₾ 38	27°53	29°52	12°33	26°37	12°37	25°16	10°20	13°37	7°38	8°52	6°24	22°46	T 12
W13	3 25 57	20° 6'45	15°33	26°44	0 궁 25	13°15	26°51	12°35	25°15	10°R20	13°37	7°29	8°49	6°31	22°43	W13
T 14	3 29 54	21° 7'20	27°25	25°29	0°56	13°57	27° 4	12°33	25°14	10°20	13°36	7°20	8°46	6°38	22°40	T 14
F 15	3 33 50	22° 7'58	9 M .16	24° 9	1°26	14°38	27°17	12°31	25°13	10°20	13°35	7°10	8°42	6°44	22°36	F 15
S 16	3 37 47	23° 8'37	21° 8	22°48	1°54	15°20	27°31	12°29	25°12	10°20	13°34	7° 2	8°39	6°51	22°33	S 16
S 17	3 41 43	24° 9'18	3 ₹ 2	21°27	2°21	16° 2	27°44	12°26	25°11	10°20	13°33	6°55	8°36	6°58	22°29	S 17
M18	3 45 40	25°10'00	15° 1	20°10	2°45	16°44	27°58	12°24	25°10	10°20	13°32	6°51	8°33	7° 5	22°26	M18
T 19	3 49 37	26°10'43	27° 5	18°58	3° 8	17°27	28°11	12°21	25° 9	10°20	13°31	6°48	8°30	7°11	22°23	T 19
W20	3 53 33	27°11'28	9 궁 18	17°55	3°30	18° 9	28°25	12°19	25° 8	10°20	13°31	6°D48	8°26	7°18	22°19	W20
T 21	3 57 30	28°12'13	21°42	17° 2	3°49	18°51	28°38	12°16	25° 7	10°19	13°30	6°48	8°23	7°25	22°16	T 21
F 22	4 1 26	29°13'00	4≈20	16°20	4° 6	19°33	28°51	12°13	25° 7	10°19	13°29	6°50	8°20	7°31	22°13	F 22
S 23	4 5 23	0 ≯ 13'48	17°16	15°49	4°21	20°15	29° 5	12°10	25° 6	10°19	13°28	6°52	8°17	7°38	22° 9	S 23
S 24	4 9 19	1°14'37	0) €32	15°30	4°35	20°58	29°18	12° 7	25° 6	10°18	13°28	6°R52	8°14	7°45	22° 6	S 24
M25	4 13 16	2°15'26	14°13	15°D22	4°45	21°40	29°32	12° 4	25° 5	10°18	13°27	6°52	8°11	7°51	22° 3	M25
T 26	4 17 13	3°16'17	28°19	15°24	4°54	22°23	29°45	12° 1	25° 5	10°18	13°26	6°49	8° 7	7°58	21°59	T 26
W27	4 21 9	4°17'08	12 Y 48	15°37	5° 1	23° 5	29°59	11°57	25° 4	10°17	13°26	6°46	8° 4	8° 5	21°56	W27
T 28	4 25 6	5°18'00	27°38	16° 0	5° 5	23°48	0 х 12	11°54	25° 4	10°17	13°25	6°41	8° 1	8°12	21°53	T 28
F 29	4 29 2	6°18'53	12842	16°30	5°R 6	24°30	0°25	11°50	25° 3	10°16	13°24	6°37	7°58	8°18	21°50	F 29
S 30	4 32 59	7 .7 19'48	27 8 51	17 M 8	5 හි	25≈13	0 ∡ 139	119547	25 米 3	10 Q 16	13 Y 24	6933	7955	8 M 25	21847	S 30

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S 2	14 32	14 6	3 47	23 1	2 43	27 44	4 25	20 53	2 3	18 14	0 43	22 17	0 36	2 30	0 46	17 44	0 2	10 40	17 29	23 15	23 10	8 57	15 26	3 19
S 3	-	18 27	2 46					20 41		18 17		22 17	0 36	2 31		17 44	-				23 10			3 19
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F 8	16 24	19 27	3 4	22 12	1 51	27 49	4 21	19 39	1 53	18 33	0 42	22 18	0 35	2 34	0 46	17 44	0 2	10 41	17 28	23 15	23 11	9 12	15 20	3 20
S 9	16 41	16 9	3 53	21 52	1 37	27 48	4 19	19 26	1 51	18 36	0 42	22 18	0 35	2 34	0 46	17 44	0 2	10 41	17 28	23 15	23 11	9 15	15 19	3 20
S 10	16 58	12 12	4 31	21 28	1 22	27 46	4 17	19 13	1 49	18 40	0 42	22 18	0 35	2 34	0 46	17 43	0 2	10 41	17 28	23 16	23 11	9 17	15 18	3 20
M11	17 15			-			4 15			18 43	0 42		0 35	2 35		17 43	-	-			23 11			3 20
T 12 W13	17 32 17 49	-		20 29 19 54				18 46 18 33		18 46 18 49		22 19 22 19	0 35 0 35	2 35 2 36		17 43 17 43	-				23 12 23 12			3 20 3 20
T 14	18 5		-	19 16			-			18 52		22 19	0 35	2 36		17 43					23 12			3 20
F 15		10 29				27 31				18 56		22 19	0 35	2 36		17 44	-				23 12			3 21
S 16	18 36	14 31	3 42	17 57	0 35	27 27	3 59	17 52	1 40	18 59	0 41	22 20	0 35	2 37	0 46	17 44	0 2	10 42	17 26	23 18	23 13	9 33	15 13	3 21
S 17	18 51	17 59	2 53	17 17	0 55	27 22	3 54	17 37	1 38	19 2	0 41	22 20	0 35	2 37	0 46	17 44	0 2	10 42	17 26	23 19	23 13	9 35	15 12	3 21
M18		20 44		16 39				17 23		19 5		22 20	0 35	2 37		17 44					23 13		-	3 21
T 19 W20		22 35 23 24	0 53	16 3 15 31				17 9 16 54	1 35	19 8 19 11		22 20 22 21	0 35 0 35	2 38 2 38		17 44 17 44					23 13 23 13			3 21
T 21	19 48	-		15 31	1 46 1 59			16 40		19 11		22 21	0 35	2 38		17 44	-				23 13			3 21
F 22		21 33		14 40		26 52		16 25		19 17		22 21	0 35	2 39		17 44					23 14			3 21
S 23	20 15	18 55	3 23	14 23	2 20	26 45	3 20	16 10	1 29	19 20	0 41	22 22	0 35	2 39	0 45	17 44	0 2	10 42	17 25	23 19	23 14	9 50	15 6	3 21
S 24	20 27	15 14	4 12	14 10	2 27	26 38	3 13	15 55	1 27	19 23	0 41	22 22	0 35	2 39	0 45	17 44	0 2	10 42	17 24	23 19	23 14	9 53	15 5	3 21
M25		10 39	4 48	_				15 40		19 26	0 41		0 34	2 39		17 44	-				23 14		-	3 21
T 26	20 51	-		14 1	2 35			15 25		19 29		22 23	0 34	2 39		17 44	-				23 15			3 21
W27 T 28	21 3 21 14		5 11 4 52				-	15 9 14 54		19 32 19 35		22 23 22 23	0 34 0 34	2 39 2 40		17 45 17 45					23 15 23 15			3 22 3 22
F 29		11 40	-	14 19				14 34		19 38		22 24	0 34	2 40		17 45					23 15			3 22
S 30	21 s35	16n32	3 s 1 6	14s31		25 s43		14 s22		19 s40		22n24	0s34	2 s40	0 s45	17n45	0n 2				23n15		15n 0	3 s22

Julian Day Number = 2302464.5, Delta T = 100.50 sec Ecliptic obliquity = 23°29'31, Nutation = -0°00'19, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°02'38, Lahiri = 18°09'38Greg. Calendar

DECEMBER 1591 GC 00:00 UT

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S 1 M 2	4 36 55 4 40 52	8 ∡ 20'43 9°21'39	27°44	17 M .53 18°44	5°R 2 4 ⋜ 57	25≈56 26°38	1° 6	11°R43 11 © 39	25°R 3 25 H 3	10°R15 10Ω14	13°R23 13 Υ 22	6°R30 6 © 28	7°48	8°38	21°R43 21 8 40	S 1 M 2
T 3	4 44 48	10°22'36	129913	19°40	4°48	20 38 27°21	1°19	11°36	25° 3	10 8 214	13 1 22 13°22	6°D28	7°45	8°45	21°37	T 3
W 4	4 44 48 45	10 22 36 11°23'35	26°15	20°40	4 48 4°38	27 21 28° 4	1°32	11°32	25° 3	10°13	13°21	6°29	7°43	8°52	21°34	W 4
T 5	4 52 42	11°23'33 12°24'34	9 Ω 50	20°45	4°24	28°46	1°46	11°28	25°D 3	10°13	13°21	6°30	7°39	8°59	21°31	T 5
F 6	4 56 38	12°25'35	22°59	21°53	4° 9	29°29	1°59	11°24	25° 3	10°12	13°21	6°32	7°36	9° 5	21°28	F 6
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S 8	5 4 31	15°27'39	18° 9	25°17	3°30	0°55	2°26	11°16	25° 3	10°10	13°19	6°R33	7°29	9°19	21°22	S 8
M 9	5 8 28	16°28'42	0 ჲ 19	26°33	3° 8	1°38	2°39	11°11	25° 3	10° 9	13°19	6°33	7°26	9°25	21°19	M 9
T 10	5 12 24	17°29'47	12°18	27°51	2°43	2°20	2°52	11° 7	25° 3	10° 8	13°19	6°31	7°23	9°32	21°16	T 10
W11	5 16 21	18°30'52	24°10	29°11	2°16	3° 3	3° 5	11° 3	25° 3	10° 7	13°18	6°29	7°20	9°39	21°13	W11
T 12	5 20 17	19°31'59	6 M 0	0 ∡ 32	1°48	3°46	3°19	10°58	25° 4	10° 7	13°18	6°26	7°17	9°45	21°10	T 12
F 13	5 24 14	20°33'06	17°52	1°54	1°18	4°29	3°32	10°54	25° 4	10° 6	13°17	6°23	7°13	9°52	21° 7	F 13
S 14	5 28 11	21°34'14	29°46	3°17	0°46	5°12	3°45	10°49	25° 5	10° 5	13°17	6°21	7°10	9°59	21° 4	S 14
S 15	5 32 7	22°35'22	11 √ 47	4°42	0°12	5°55	3°58	10°45	25° 5	10° 4	13°17	6°19	7° 7	10° 6	21° 2	S 15
M16	5 36 4	23°36'32	23°56	6° 7	29 ∡ ³38	6°38	4°11	10°40	25° 6	10° 3	13°16	6°18	7° 4	10°12	20°59	M16
T 17	5 40 0	24°37'41	6 ට 15	7°33	29° 3	7°21	4°24	10°35	25° 6	10° 2	13°16	6°D17	7° 1	10°19	20°56	T 17
W18	5 43 57	25°38'51	18°43	9° 0	28°27	8° 4	4°37	10°31	25° 7	10° 0	13°16	6°18	6°58	10°26	20°54	W18
T 19	5 47 53	26°40'02	1≈24	10°28	27°51	8°47	4°50	10°26	25° 8	9°59	13°16	6°18	6°54	10°32	20°51	T 19
F 20	5 51 50	27°41'12	14°18	11°56	27°14	9°30	5° 3	10°21	25° 8	9°58	13°16	6°19	6°51	10°39	20°49	F 20
S 21	5 55 46	28°42'23	27°25	13°24	26°38	10°13	5°16	10°16	25° 9	9°57	13°15	6°20	6°48	10°46	20°46	S 21
S 22	5 59 43	29°43'33	10 米 49	14°53	26° 2	10°56	5°29	10°12	25°10	9°56	13°15	6°21	6°45	10°52	20°44	S 22
M23	6 3 40	0 중 44'44	24°28	16°23	25°26	11°39	5°42	10° 7	25°11	9°55	13°15	6°21	6°42	10°59	20°41	M23
T 24	6 7 36	1°45'54	8 Υ 25	17°53	24°51	12°22	5°55	10° 2	25°12	9°53	13°15	6°R21	6°38	11° 6	20°39	T 24
W25	6 11 33	2°47'04	22°37	19°23	24°18	13° 5	6° 8	9°57	25°13	9°52	13°15	6°21	6°35	11°13	20°37	W25
T 26	6 15 29	3°48'14	7 8 4	20°54	23°45	13°49	6°20	9°52	25°14	9°51	13°15	6°20	6°32	11°19	20°35	T 26
F 27	6 19 26	4°49'24	21°41	22°25	23°14	14°32	6°33	9°47	25°15	9°50	13°15	6°20	6°29	11°26	20°32	F 27
S 28	6 23 22	5°50'33	6 Ⅱ 23	23°56	22°45	15°15	6°46	9°42	25°16	9°48	13°D15	6°D20	6°26	11°33	20°30	S 28
S 29	6 27 19	6°51'43	21° 5	25°28	22°18	15°58	6°58	9°37	25°18	9°47	13°15	6°20	6°23	11°39	20°28	S 29
M30	6 31 15	7°52'52	5938	27° 0	21°52	16°41	7°11	9°32	25°19	9°46	13°15	6°R20	6°19	11°46	20°26	M30
T 31	6 35 12	8 국 54'02	19958	28 × 33	21 🗷 29	17) 24	7 ₹ 23	9927	25 H 20	9€44	13 Y 15	6920	6916	11 M 53	20824	T 31

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W18		23 19 1s 8	21 15 0 3	14 21 53 1 36 36 21 37 1 52 29 21 22 2 7	9 23 0 53	20 28 0 39	22 31 0 33 22 32 0 33 22 32 0 33	2 38 0 44	17 49 0 3 17 49 0 3 17 50 0 3	10 40 17 16	23 21 23	19 10 54	14 47 3 22
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Julian Day Number = 2302494.5, Delta T = 100.37 sec Ecliptic obliquity = $23^{\circ}29'31$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}02'42$, Lahiri = $18^{\circ}09'43$ Greg. Calendar