

Astrodienst Ephemeris Tables for the year 1693

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 1693 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	24	ħ)ţ(¥	В	n	Ω	Ç	ķ	Day
T 1	6 45 14	11 중 25'55	29 £ 53	29중16	29 M .37	0중 6	13°R20	17 × 122	6°R36	17) 25	29°R57	1°R46	2≈42	11 Y 40	22°R17	T 1
F 2	6 49 10	12°27'06	14 M. 3	0≈39	0×748	0°52	13 I I 14	17°29	6 Ⅱ 34	17°26	29956	1≈44	2°38	11°47	22 I I13	F 2
S 3	6 53 7	13°28'17	28° 9	1°58	1°59	1°37	13° 8	17°35	6°32	17°27	29°55	1°42	2°35	11°54	22° 9	S 3
					2011											
S 4 M 5	6 57 3	14°29'28 15°30'39	12 ∡ 7 25°55	3°14 4°25	3°11 4°22	2°22 3° 7	13° 2 12°56	17°42 17°49	6°30 6°29	17°28 17°30	29°53 29°52	1°39 1°37	2°32 2°29	12° 1 12° 7	22° 6 22° 2	S 4 M 5
T 6	7 4 57	16°31'49	25°55 9 云 30	5°31	5°34	3°53	12°51	17°49 17°55	6°27	17°30	29°52 29°51	1°37	2°26	12° /	21°59	T 6
W 7	7 8 53	17°33'00	22°48	6°32	6°45	4°38	12°45	17 33 18° 2	6°25	17°32	29°50	1°34	2°23	12°21	21°55	W 7
T 8	7 12 50	18°34'09	5 ≈ 49	7°26	7°57	5°24	12°40	18° 8	6°23	17°33	29°48	1°D34	2°19	12°27	21°52	T 8
F 9	7 16 46	19°35'19	18°32	8°12	9° 9	6° 9	12°35	18°14	6°22	17°35	29°47	1°35	2°16	12°34	21°49	F 9
S 10	7 20 43	20°36'27	1) 0	8°50	10°21	6°55	12°30	18°21	6°20	17°36	29°46	1°36	2°13	12°41	21°45	S 10
S 11	7 24 39	21°37'35	13°12	9°19	11°33	7°40	12°25	18°27	6°18	17°38	29°44	1°37	2°10	12°48	21°42	S 11
M12	7 28 36	22°38'43	25°14	9°38	12°45	8°26	12°20	18°33	6°17	17°39	29°43	1°38	2° 7	12°54	21°39	M12
T 13	7 32 32	23°39'49	$7\mathbf{\hat{\gamma}}$ 9	9°R46	13°57	9°11	12°16	18°40	6°15	17°41	29°42	1°39	2° 4	13° 1	21°36	T 13
W14	7 36 29	24°40'55	19° 0	9°42	15° 9	9°57	12°11	18°46	6°14	17°42	29°40	1°39	2° 0	13° 8	21°33	W14
T 15	7 40 26	25°41'59	0 8 54	9°27	16°22	10°43	12° 7	18°52	6°13	17°44	29°39	1°R39	1°57	13°14	21°30	T 15
F 16	7 44 22	26°43'03	12°55	9° 1	17°34	11°29	12° 3	18°58	6°11	17°45	29°37	1°39	1°54	13°21	21°27	F 16
S 17	7 48 19	27°44'06	25° 7	8°23	18°46	12°14	12° 0	19° 4	6°10	17°47	29°36	1°38	1°51	13°28	21°24	S 17
S 18	7 52 15	28°45'08	7 Ⅱ 34	7°35	19°59	13° 0	11°56	19°10	6° 9	17°49	29°35	1°38	1°48	13°35	21°21	S 18
M19	7 56 12	29°46'09	20°19	6°37	21°11	13°46	11°53	19°16	6° 7	17°50	29°33	1°38	1°44	13°41	21°18	M19
T 20	8 0 8	0≈47'09	39525	5°32	22°24	14°32	11°50	19°22	6° 6	17°52	29°32	1°38	1°41	13°48	21°15	T 20
W21	8 4 5	1°48'08	16°53	4°21	23°36	15°18	11°47	19°28	6° 5	17°54	29°31	1°D37	1°38	13°55	21°13	W21
T 22	8 8 2	2°49'06	$0\Omega 40$	3° 7	24°49	16° 4	11°44	19°34	6° 4	17°55	29°29	1°R38	1°35	14° 1	21°10	T 22
F 23	8 11 58	3°50'03	14°44	1°51	26° 1	16°50	11°41	19°39	6° 3	17°57	29°28	1°37	1°32	14° 8	21° 8	F 23
S 24	8 15 55	4°50'59	29° 2	0°36	27°14	17°36	11°39	19°45	6° 2	17°59	29°27	1°37	1°29	14°15	21° 5	S 24
S 25	8 19 51	5°51'54	13 m 28	29る25	28°27	18°22	11°37	19°51	6° 1	18° 1	29°25	1°37	1°25	14°22	21° 3	S 25
M26	8 23 48	6°52'49	27°56	28°18	29°40	19°8	11°35	19°56	6° 0	18° 2	29°24	1°36	1°22	14°28	21° 0	M26
T 27	8 27 44	7°53'42	12 ≏ 23	27°17	0 궁 52	19°54	11°33	20° 2	5°59	18° 4	29°23	1°36	1°19	14°35	20°58	T 27
W28	8 31 41	8°54'35	26°43	26°23	2° 5	20°40	11°32	20° 7	5°58	18° 6	29°21	1°35	1°16	14°42	20°56	W28
T 29	8 35 37	9°55'27	10 M 53	25°38	3°18	21°26	11°30	20°13	5°58	18° 8	29°20	1°D35	1°13	14°48	20°54	T 29
F 30	8 39 34	10°56'18	24°52	25° 1	4°31	22°12	11°29	20°18	5°57	18°10	29°19	1°35	1°10	14°55	20°52	F 30
S 31	8 43 31	11≈57'09	8 ₹ 38	24 궁 32	5 공 44	22 る 59	11 Ⅱ 28	20 × 23	5 Ⅱ 56	18 ∺ 12	299517	1 ≈ 36	1≈ 6	15 ℃ 2	20耳50	S 31

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T 1 F 2 S 3		20 58 5 8	5 21 s53 8 21 28 2 21 2	1 27 18	5 2 19 24	8 0 39	21n56 21 55 21 55	0 31	21 s32 21 33 21 33	1 21	21n24 21 23 21 23	0 3	6s 3 1s10 6 2 1 9 6 2 1 9	24 16 4 10	19 s48 1 19 48 1 19 49 1	19 36	9 5	16n52 6 s24 16 52 6 24 16 52 6 24
S 4 M 5 T 6 W 7 T 8 F 9	22 41 22 35 22 27 22 20	26 15 4 0 26 29 3 4 25 7 1 59 22 21 0 48 18 28 0n23	20 35 4 20 8 9 19 41	1 9 18 3 0 58 18 5 0 47 19 0 34 19 2 0 20 19 3	7 2 15 24 2 2 13 24 7 2 11 24 1 2 9 24 5 2 7 24	8 0 41 8 0 41 7 0 42 6 0 42 5 0 43	21 54 21 54 21 54 2 21 53 2 21 53 3 21 52 3 21 52	0 30 0 30 0 30 0 30 0 29	21 34 21 35 21 35 21 36 21 36 21 37	1 21 1 21 1 21 1 21 1 21	21 23 21 22 21 22 21 22 21 22 21 21 21 21	0 3 0 3 0 3	6 1 1 9 6 1 1 9 6 0 1 9 5 59 1 9 5 59 1 9	24 17 4 10 24 17 4 11 24 18 4 11 24 18 4 11 24 19 4 11	19 50 1 19 50 1 19 50 1 19 51 1 19 51 1 19 51 1	19 38 19 38 19 39 19 40 19 41	9 11 9 14 9 17 9 20 9 23	16 51 6 24 16 51 6 24 16 51 6 24 16 51 6 23 16 51 6 23 16 51 6 23
S 11 M12 T 13	21 2	3 22 3 33 2n 1 4 15 7 15 4 49 12 13 5 9 16 45 5 17 20 40 5 11	1 16 9	0 27 20 1 0 44 20 2 1 2 20 3 1 20 20 4 1 39 20 5 1 57 21	1 2 3 24 3 2 0 24 5 1 58 23 6 1 55 23 7 1 53 23 7 1 50 23 7 1 48 23	0 0 44 57 0 45 55 0 45 52 0 46 49 0 46 46 0 47	21 51 21 51 5 21 50 5 21 50 5 21 50 6 21 49 7 21 49 7 21 49	0 29 0 29 0 28 0 28 0 28 0 28	21 39 21 40 21 40	1 21 1 21 1 21 1 21 1 21 1 21	-	0 3 0 3 0 3 0 3	5 58 1 9 5 58 1 9 5 57 1 9 5 56 1 9 5 56 1 9 5 55 1 9 5 54 1 9 5 54 1 9	24 20 4 11 24 20 4 11 24 20 4 11 24 21 4 11 24 21 4 11 24 22 4 11	19 50 1 19 50 1 19 50 1 19 50 1 19 50 1 19 50 1 19 50 1	19 43 19 43 19 44 19 45 19 46 19 46	9 32 9 35 9 38 9 40 9 43 9 46	16 51 6 23 16 51 6 23 16 51 6 23 16 51 6 22 16 51 6 22 16 51 6 22 16 51 6 22 16 51 6 22
S 18 M19 T 20 W21 T 22 F 23 S 24	20 14 20 1	26 37 3 30 25 56 2 30 23 45 1 21 20 8 0 5 15 17 1 s12		2 47 21 3 3 1 21 3 3 13 21 4 3 23 21 5 3 30 21 5	2 1 40 23 9 1 37 23 6 1 34 23 2 1 31 23	34 0 48 30 0 49 25 0 50 20 0 50 15 0 51	3 21 48 3 21 48 9 21 48 9 21 48 9 21 48 9 21 48 21 47 21 47	0 27 0 27 0 27 0 27 0 26	21 41 21 42 21 42 21 43 21 43 21 44 21 44	1 21 1 21 1 21 1 21 1 21	21 19 21 19 21 19 21 18 21 18 21 18 21 18	0 3 0 3 0 3 0 3 0 3	5 53 1 9 5 53 1 9 5 52 1 9 5 51 1 9 5 50 1 9 5 50 1 9 5 49 1 9	24 23 4 12 24 23 4 12 24 23 4 12 24 24 4 12 24 24 4 12	19 50 1 19 50 1 19 50 1 19 50 1 19 50 1 19 50 1 19 50 1	19 48 19 49 19 50 19 50 19 51	9 58 10 1 10 4 10 6	16 51 6 21 16 51 6 21 16 52 6 21 16 52 6 20 16 52 6 20 16 52 6 20 16 52 6 20
S 25 M26 T 27 W28 T 29 F 30 S 31	17 48 17 31	3 s 1 3 4 2 4 9 2 9 4 5 9 15 1 3 5 1 6 2 0 4 5 1 3 2 3 4 3 4 5 5 1	2 16 46 4 17 0 9 17 14 6 17 28 3 17 43 1 17 57 3 18s10	3 37 22 1 3 34 22 1 3 30 22 1 3 24 22 1 3 17 22 1	3 1 16 22 5 1 13 22 7 1 10 22 8 1 7 22	58 0 52 52 0 52 46 0 53 39 0 53 32 0 54	21 47 2 21 47 2 21 47 3 21 47 3 21 47 4 21 47 2 21 47	0 26 0 26 0 25 0 25 0 25	21 44 21 45 21 45 21 46 21 46 21 46 21 s47	1 21 1 21 1 21 1 21 1 21	21 18 21 18 21 17 21 17 21 17 21 17 21 17	0 3 0 3 0 3 0 3 0 3	5 48 1 9 5 47 1 9 5 46 1 9 5 45 1 9 5 45 1 9	24 25 4 12 24 26 4 12 24 26 4 12 24 26 4 12 24 27 4 12	19 50 1 19 50 1 19 50 1 19 50 1 19 50 1 19 50 1 19 s50 1	19 53 19 54 19 55 19 55 19 56	10 15 10 18 10 21 10 24 10 26	16 52 6 19 16 52 6 19 16 53 6 18 16 53 6 18 16 53 6 18

Julian Day Number = 2339416.5, Delta T = 17.05 sec Ecliptic obliquity = 23°28'50, Nutation = $0^\circ00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ27'18$, Lahiri = $19^\circ34'18$ Greg. Calendar

FEBRUARY 1693 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	24	ħ)∤(卉	Р	n	Ω	Ç	ķ	Day
S 1	8 47 27	12≈57'58	22 × 11	24°R12	6 ප 57	23 궁 45	11°R27	20 × 29	5°R56	18) 14	29°R16	1≈37	1≈ 3	15 Υ 9	20°R48	S 1
M 2	8 51 24	13°58'47	5 云 32	24る 0	8°10	24°31	11 II 27	20°34	5 Ⅱ 55	18°16	299515	1°38	1° 0	15°15	20 Ⅱ 46	M 2
T 3	8 55 20	14°59'34	18°39	23°D55	9°23	25°18	11°27	20°39	5°55	18°18	29°13	1°39	0°57	15°22	20°44	T 3
W 4	8 59 17	16° 0'20	1≈33	23°58	10°37	26° 4	11°D26	20°44	5°54	18°19	29°12	1°R39	0°54	15°29	20°43	W 4
T 5	9 3 13	17° 1'05	14°15	24° 8	11°50	26°50	11°26	20°49	5°54	18°21	29°11	1°39	0°50	15°36	20°41	T 5
F 6	9 7 10	18° 1'48	26°45	24°25	13° 3	27°37	11°27	20°54	5°54	18°24	29° 9	1°38	0°47	15°42	20°40	F 6
S 7	911 6	19° 2'30	9) 4	24°47	14°16	28°23	11°27	20°58	5°53	18°26	29° 8	1°35	0°44	15°49	20°38	S 7
S 8	9 15 3	20° 3'11	21°12	25°15	15°29	29°10	11°28	21° 3	5°53	18°28	29° 7	1°33	0°41	15°56	20°37	S 8
M 9	9 19 0	21° 3'50	3 Υ 12	25°48	16°43	29°56	11°29	21° 8	5°53	18°30	29° 6	1°29	0°38	16° 2	20°35	M 9
T 10	9 22 56	22° 4'27	15° 6	26°26	17°56	0≈43	11°30	21°12	5°53	18°32	29° 4	1°26	0°35	16° 9	20°34	T 10
W11	9 26 53	23° 5'02	26°57	27° 8	19° 9	1°29	11°31	21°17	5°53	18°34	29° 3	1°23	0°31	16°16	20°33	W11
T 12	9 30 49	24° 5'36	8 8 50	27°54	20°23	2°16	11°33	21°21	5°D53	18°36	29° 2	1°21	0°28	16°23	20°32	T 12
F 13	9 34 46	25° 6'08	20°48	28°44	21°36	3° 2	11°34	21°26	5°53	18°38	29° 1	1°D20	0°25	16°29	20°31	F 13
S 14	9 38 42	26° 6'39	2 ∏ 57	29°37	22°49	3°49	11°36	21°30	5°53	18°40	29° 0	1°20	0°22	16°36	20°30	S 14
S 15	9 42 39	27° 7'07	15°20	0≈33	24° 3	4°35	11°38	21°34	5°53	18°42	28°58	1°21	0°19	16°43	20°30	S 15
M16	9 46 35	28° 7'34	28° 3	1°32	25°16	5°22	11°41	21°38	5°53	18°44	28°57	1°23	0°16	16°49	20°29	M16
T 17	9 50 32	29° 7'58	1195 9	2°34	26°30	6° 8	11°43	21°42	5°54	18°47	28°56	1°25	0°12	16°56	20°28	T 17
W18	9 54 29	0 米 8'21	24°40	3°38	27°43	6°55	11°46	21°46	5°54	18°49	28°55	1°R26	0° 9	17° 3	20°28	W18
T 19	9 58 25	1° 8'42	8 N 38	4°44	28°56	7°42	11°49	21°50	5°54	18°51	28°54	1°26	0° 6	17°10	20°27	T 19
F 20	10 2 22	2° 9'01	23° 0	5°53	0≈10	8°28	11°52	21°54	5°55	18°53	28°53	1°24	<u>0°</u> 3	17°16	20°27	F 20
S 21	10 6 18	3° 9'18	7 m)41	7° 3	1°23	9°15	11°55	21°58	5°55	18°55	28°52	1°21	29 궁 59	17°23	20°27	S 21
S 22	10 10 15	4° 9'33	22°34	8°16	2°37	10° 2	11°58	22° 1	5°56	18°58	28°51	1°17	29°56	17°30	20°27	S 22
M23	10 14 11	5° 9'47	7 ≏ 32	9°30	3°50	10°49	12° 2	22° 5	5°56	19° 0	28°49	1°12	29°53	17°36	20°27	M23
T 24	10 18 8	6° 9'59	22°25	10°46	5° 4	11°35	12° 6	22° 9	5°57	19° 2	28°48	1° 7	29°50	17°43	20°D27	T 24
W25	10 22 4	7°10'10	7 M 5	12° 4	6°17	12°22	12°10	22°12	5°58	19° 4	28°47	1° 2	29°47	17°50	20°27	W25
T 26	10 26 1	8°10'19	21°28	13°23	7°31	13° 9	12°14	22°15	5°58	19° 6	28°46	1° 0	29°44	17°57	20°27	T 26
F 27	10 29 57	9°10'27	5 ₹ 29	14°44	8°45	13°56	12°18	22°18	5°59	19° 9	28°45	0°D58	29°41	18° 3	20°27	F 27
S 28	10 33 54	10 米 10′33	19 × 10	16≈ 6	9 ≈ 58	14≈42	12 II 22	22 × 22	6 I 0	19 米 11	289544	0≈59	29 る 37	18 Y 10	20 Ⅱ 27	S 28

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S 1	16 s57	26 s 36 3 s 22	18 s23 2n5	58 22 s18 1n 0	22 s17 0 s55	21n47 0s25	21 s47 1n22	21n17 0s 3	5 s 4 3 1 s 9	24n27 4n12	19 s 50 19 s 5	7 10n32	16n53 6s17
M 2	16 40	25 41 2 20	18 36 2 4	18 22 17 0 57	22 10 0 55	21 47 0 24	21 47 1 22	21 17 0 3	5 42 1 9	24 27 4 13	19 50 19 5	8 10 35	16 54 6 17
T 3	16 22	23 21 1 11	18 47 2 3	37 22 15 0 54	22 2 0 56	21 48 0 24	21 48 1 22	21 17 0 3	5 42 1 9	24 28 4 13	19 50 19 5	9 10 38	16 54 6 16
W 4	16 4	19 51 0 1	18 58 2 2	25 22 13 0 51	21 53 0 56	21 48 0 24	21 48 1 22	21 17 0 3	5 41 1 9	24 28 4 13	19 50 20	0 10 41	16 54 6 16
T 5	15 46	15 29 1n 9	19 8 2 1	4 22 10 0 48	21 45 0 57	21 48 0 24	21 48 1 22	21 17 0 3	5 40 1 9	24 28 4 13	19 50 20	0 10 43	16 54 6 16
F 6	15 27	10 31 2 14	19 16 2	2 22 6 0 44	21 36 0 57	21 48 0 24	21 48 1 22	21 17 0 3	5 39 1 9	24 29 4 13	19 50 20	1 10 46	16 55 6 15
S 7	15 8	5 13 3 12	19 24 1 5	50 22 2 0 41	21 27 0 57	21 49 0 23	21 49 1 22	21 17 0 3	5 38 1 9	24 29 4 13	19 50 20	2 10 49	16 55 6 15
S 8	14 49	0n11 4 0	19 31 1 3	88 21 57 0 38	21 18 0 58	21 49 0 23	21 49 1 22	21 17 0 3	5 38 1 9	24 29 4 13	19 51 20	2 10 52	16 55 6 15
M 9	14 30	5 31 4 37	19 37 1 2	26 21 52 0 35	21 9 0 58	21 49 0 23	21 49 1 22	21 17 0 3	5 37 1 9	24 30 4 13	19 52 20	3 10 55	16 55 6 14
T 10	14 11	10 35 5 2	19 41 1 1	4 21 45 0 31	20 59 0 59	21 49 0 23	21 50 1 22	21 17 0 3	5 36 1 9	24 30 4 13	19 52 20	4 10 58	16 56 6 14
W11	13 51	15 16 5 13	19 44 1	3 21 39 0 28	20 50 0 59	21 50 0 23	21 50 1 22	21 17 0 3	5 35 1 9	24 30 4 13	19 53 20	4 11 0	16 56 6 13
T 12	13 31	19 23 5 12	19 46 0 5	52 21 31 0 25	20 39 1 0	21 50 0 22	21 50 1 22	21 17 0 3	5 34 1 9	24 31 4 13	19 54 20	5 11 3	16 56 6 13
F 13	13 11	22 45 4 57	19 47 0 4	10 21 23 0 22	20 29 1 0	21 51 0 22	21 50 1 22	21 17 0 3	5 33 1 9	24 31 4 13	19 54 20	6 11 6	16 57 6 13
S 14	12 50	25 10 4 28	19 47 0 3	30 21 14 0 19	20 19 1 0	21 51 0 22	21 50 1 22	21 17 0 3	5 33 1 9	24 31 4 13	19 54 20	6 11 9	16 57 6 12
S 15	12 30	26 25 3 47	19 46 0 1	9 21 5 0 16	20 8 1 1	21 52 0 22	21 51 1 22	21 17 0 3	5 32 1 9	24 31 4 13	19 54 20	7 11 12	16 57 6 12
M16	12 9	26 21 2 53	19 43 0	9 20 55 0 12	19 57 1 1	21 52 0 22	21 51 1 22	21 17 0 3	5 31 1 9	24 32 4 13	19 53 20	8 11 14	16 58 6 11
T 17	11 48	24 49 1 49	19 39 0s	1 20 44 0 9	19 46 1 2	21 53 0 21	21 51 1 22	21 17 0 3	5 30 1 9	24 32 4 13	19 53 20	8 11 17	16 58 6 11
W18	11 27	21 50 0 37	19 33 0 1	1 20 33 0 6	19 34 1 2	21 53 0 21	21 51 1 22	21 17 0 3	5 29 1 9	24 32 4 13	19 53 20	9 11 20	16 58 6 11
T 19	11 5	17 30 0s39	19 26 0 2	20 20 21 0 3	19 23 1 2	21 54 0 21	21 51 1 22	21 17 0 3	5 28 1 9	24 32 4 13	19 53 20 1	0 11 23	16 59 6 10
F 20	10 44	12 4 1 55	19 19 0 2	29 20 9 0s 0	19 11 1 3	21 54 0 21	21 52 1 23	21 17 0 3	5 27 1 9	24 33 4 13	19 53 20 1	1 11 25	16 59 6 10
S 21	10 22	5 50 3 5	19 9 0 3	88 19 56 0 3	18 59 1 3	21 55 0 21	21 52 1 23	21 17 0 3	5 27 1 9	24 33 4 13	19 54 20 1	1 11 28	17 0 6 9
S 22	10 0	0s46 4 3	18 59 0 4	16 19 43 0 6	18 47 1 3	21 56 0 20	21 52 1 23	21 17 0 3	5 26 1 9	24 33 4 13	19 55 20 1	2 11 31	17 0 6 9
M23	9 38	7 21 4 45	18 47 0 5	54 19 28 0 9	18 35 1 4	21 56 0 20	21 52 1 23	21 17 0 3	5 25 1 9	24 33 4 13	19 56 20 1	3 11 34	17 0 6 9
T 24	9 16	13 29 5 8	18 33 1	2 19 14 0 12	18 22 1 4	21 57 0 20	21 52 1 23	21 17 0 3	5 24 1 9	24 34 4 13	19 57 20 1	3 11 37	17 1 6 8
W25	8 54	18 46 5 9	18 19 1	9 18 58 0 15	18 9 1 5	21 58 0 20	21 52 1 23	21 18 0 3	5 23 1 9	24 34 4 13	19 58 20 1	4 11 39	17 1 6 8
T 26	8 31	22 51 4 52	18 3 1 1	6 18 43 0 18	17 56 1 5	21 58 0 20	21 52 1 23	21 18 0 3	5 22 1 9	24 34 4 13	19 58 20 1	5 11 42	17 2 6 7
F 27	8 9	25 28 4 17	17 46 1 2	23 18 26 0 21	17 43 1 5	21 59 0 20	21 53 1 23	21 18 0 3	5 21 1 9	24 34 4 13	19 59 20 1	5 11 45	17 2 6 7
S 28	7 s46	26 s29 3 s28	17 s27 1 s2	29 18s 9 0s23	17 s30 1 s 6	22n 0 0s19	21 s53 1n23	21n18 0s 3	5 s 20 1 s 9	24n34 4n13	19 s59 20 s l	6 11n48	17n 3 6s 6

 $\label{eq:Julian Day Number = 2339447.5, Delta T = 17.01 sec} \\ Ecliptic obliquity = 23°28'50, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°27'22, Lahiri = 19°34'22Greg. Calendar$

MARCH 1693 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(并	В	N.	v	Ç	Ŗ	Day
S 1	10 37 51	11) 10'37	2 ප 31	17≈30	11≈12	15≈29	12 II 27	22 × 25	6 I 1	19) 13	28°R43	1≈ 0	29 궁 34	18 Y 17	20耳28	S 1
M 2	10 41 47	12°10'40	15°33	18°55	12°25	16°16	12°32	22°28	6° 2	19°16	289543	1° 1	29°31	18°24	20°28	M 2
T 3	10 45 44	13°10'42	28°20	20°21	13°39	17° 3	12°37	22°30	6° 3	19°18	28°42	1°R 2	29°28	18°30	20°29	T 3
W 4	10 49 40	14°10'41	10≈54	21°48	14°53	17°50	12°42	22°33	6° 4	19°20	28°41	1° 2	29°25	18°37	20°30	W 4
T 5	10 53 37	15°10'39	23°18	23°17	16° 6	18°36	12°48	22°36	6° 5	19°22	28°40	0°59	29°22	18°44	20°30	T 5
F 6	10 57 33	16°10'35	5) €33	24°47	17°20	19°23	12°53	22°38	6° 6	19°25	28°39	0°55	29°18	18°50	20°31	F 6
S 7	11 1 30	17°10'28	17°40	26°19	18°34	20°10	12°59	22°41	6° 7	19°27	28°38	0°48	29°15	18°57	20°32	S 7
S 8	11 5 26	18°10'20	29°40	27°51	19°47	20°57	13° 5	22°43	6° 9	19°29	28°37	0°39	29°12	19° 4	20°33	S 8
M 9	11 9 23	19°10'10	11 Y 36	29°25	21° 1	21°44	13°11	22°46	6°10	19°31	28°37	0°29	29° 9	19°11	20°34	M 9
T 10	11 13 20	20° 9'58	23°29	1 ∀ 0	22°15	22°31	13°17	22°48	6°11	19°34	28°36	0°20	29° 6	19°17	20°36	T 10
W11	11 17 16	21° 9'44	5 8 20	2°36	23°28	23°18	13°23	22°50	6°13	19°36	28°35	0°11	29° 2	19°24	20°37	W11
T 12	11 21 13	22° 9'27	17°13	4°14	24°42	24° 5	13°30	22°52	6°14	19°38	28°34	0° 3	28°59	19°31	20°38	T 12
F 13	11 25 9	23° 9'09	29°10	5°53	25°56	24°51	13°36	22°54	6°16	19°41	28°34	29 궁 58	28°56	19°37	20°40	F 13
S 14	11 29 6	24° 8'48	11 II 16	7°33	27° 9	25°38	13°43	22°56	6°17	19°43	28°33	29°55	28°53	19°44	20°41	S 14
S 15	11 33 2	25° 8'25	23°35	9°14	28°23	26°25	13°50	22°57	6°19	19°45	28°32	29°D54	28°50	19°51	20°43	S 15
M16	11 36 59	26° 7'59	69512	10°56	29°37	27°12	13°57	22°59	6°20	19°47	28°32	29°54	28°47	19°58	20°44	M16
T 17	11 40 55	27° 7'32	19°12	12°40	0 ∺ 50	27°59	14° 4	23° 1	6°22	19°50	28°31	29°55	28°43	20° 4	20°46	T 17
W18	11 44 52	28° 7'01	2 Ω 38	14°25	2° 4	28°46	14°12	23° 2	6°24	19°52	28°30	29°R55	28°40	20°11	20°48	W18
T 19	11 48 49	29° 6'29	16°33	16°11	3°18	29°33	14°19	23° 3	6°26	19°54	28°30	29°54	28°37	20°18	20°50	T 19
F 20	11 52 45	0 ℃ 5'54	0 m ,57	17°59	4°31	0 ∺ 19	14°27	23° 5	6°27	19°56	28°29	29°51	28°34	20°24	20°52	F 20
S 21	11 56 42	1° 5'17	15°46	19°47	5°45	1° 6	14°35	23° 6	6°29	19°59	28°29	29°45	28°31	20°31	20°54	S 21
S 22	12 0 38	2° 4'38	0 ≙ 54	21°38	6°59	1°53	14°43	23° 7	6°31	20° 1	28°28	29°37	28°27	20°38	20°56	S 22
M23	12 4 35	3° 3'57	16°10	23°29	8°12	2°40	14°51	23° 8	6°33	20° 3	28°28	29°27	28°24	20°45	20°59	M23
T 24	12 8 31	4° 3'14	1 M 25	25°22	9°26	3°27	14°59	23° 9	6°35	20° 5	28°27	29°18	28°21	20°51	21° 1	T 24
W25	12 12 28	5° 2'29	16°26	27°16	10°40	4°14	15° 7	23° 9	6°37	20° 8	28°27	29° 9	28°18	20°58	21° 3	W25
T 26	12 16 24	6° 1'42	1 才 6	29°12	11°53	5° 0	15°16	23°10	6°39	20°10	28°26	29° 3	28°15	21° 5	21° 6	T 26
F 27	12 20 21	7° 0'53	15°20	1 Y 8	13° 7	5°47	15°25	23°11	6°41	20°12	28°26	28°58	28°12	21°12	21° 8	F 27
S 28	12 24 18	8° 0'03	29° 7	3° 7	14°21	6°34	15°33	23°11	6°44	20°14	28°26	28°57	28° 8	21°18	21°11	S 28
S 29	12 28 14	8°59'11	12 る 27	5° 6	15°35	7°21	15°42	23°11	6°46	20°16	28°25	28°D56	28° 5	21°25	21°14	S 29
M30	12 32 11	9°58'17	25°24	7° 6	16°48	8° 8	1 <u>5</u> °51	23°12	6°48	20°18	28°25	28°R57	2 <u>8°</u> 2	21°32	21°16	M30
T 31	12 36 7	10 Y 57'22	8 ≈ 2	9 Υ 8	18 ¥ 2	8) (54	16 I I 0	23 × 12	6耳50	20 米 21	28925	28 궁 56	27 る 59	21 Y 38	21 I I19	T 31

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W 4 T 5 F 6 S 7	6 14 5 51 5 28	16 40 0n53 11 56 1 57 6 47 2 55	16 0 1 50 15 35 1 5 15 9 1 5	0 16 57 0 34 5 16 37 0 37 9 16 18 0 39	16 34 1 7 16 20 1 7 16 6 1 7	22 3 0 19 22 4 0 18 22 5 0 18	21 53 1 23 21 53 1 23 21 53 1 23	21 19 0 3 21 19 0 3 21 19 0 3	5 17 1 9 5 16 1 9 5 15 1 9	24 35 4 13 24 35 4 13 24 35 4 13	19 58 20 19 19 58 20 19 19 59 20 20	11 59 12 1 12 4	17 4 6 5 17 5 6 4 17 5 6 4
S 8 M 9 T 10 W11 T 12 F 13	5 4 4 41 4 18 3 54 3 31 3 7 2 43	3n54 4 23 9 2 4 50 13 50 5 4 18 6 5 5 21 40 4 53	14 12 2 13 42 2 14 13 10 2 10 12 37 2 10 11 27 2 1	8 15 15 0 47 0 14 54 0 49 2 14 32 0 52 4 14 9 0 54 5 13 47 0 56	15 37 1 8 15 22 1 8 15 7 1 8 14 51 1 9 14 36 1 9 14 21 1 9	22 7 0 18 22 8 0 18 22 8 0 18 22 9 0 17 22 10 0 17 22 11 0 17	21 53 1 24 21 53 1 24	21 21 0 3		24 36 4 13 24 36 4 13	20 3 20 21 20 5 20 22 20 7 20 23 20 9 20 23 20 10 20 24 20 12 20 24	12 9 12 12 12 15 12 18 12 20 12 23	17 6 6 3 17 7 6 3 17 7 6 2 17 8 6 2 17 8 6 1 17 9 6 1
S 14 S 15 M16 T 17 W18 T 19 F 20 S 21		26 21 3 2 25 24 2 4 23 3 0 57 19 22 0s14 14 31 1 28 8 42 2 38	10 13 2 1. 9 34 2 1. 8 53 2 1. 8 11 2 1. 7 29 2 1 6 44 2	5 12 36 1 2 4 12 12 1 4 3 11 47 1 6	13 49 1 10 13 33 1 10 13 17 1 10 13 1 1 10 12 45 1 10 12 29 1 11	22 13 0 17 22 14 0 17 22 15 0 16 22 16 0 16 22 17 0 16 22 18 0 16	21 54 1 24 21 54 1 24	21 22 0 3 21 22 0 3 21 23 0 3 21 23 0 3	5 8 1 9 5 7 1 9 5 6 1 9 5 5 1 9 5 4 1 9 5 3 1 9 5 2 1 9	24 37 4 13 24 37 4 13	20 12 20 25 20 12 20 26 20 12 20 26 20 12 20 27 20 12 20 28 20 12 20 28 20 13 20 29 20 14 20 30	12 28 12 31 12 34 12 37 12 39 12 42	17 10 6 0 17 11 6 0 17 11 5 59 17 12 5 59 17 12 5 58 17 13 5 58
S 22 M23 T 24 W25 T 26 F 27 S 28	0 50 1 13 1 37 2 0	4s26 4 26 10 54 4 55 16 43 5 3 21 24 4 50 24 37 4 17 26 9 3 30	5 13 2 4 25 1 5 3 36 1 5 2 46 1 5 1 56 1 4	3 10 6 1 13 9 9 40 1 15 5 9 13 1 16 0 8 47 1 18 5 8 20 1 19 9 7 53 1 20	11 56 1 11 11 39 1 11 11 22 1 11 11 5 1 12 10 48 1 12 10 31 1 12	22 21 0 16 22 22 0 16 22 23 0 15 22 24 0 15 22 25 0 15 22 26 0 15	21 53 1 25 21 53 1 25	21 24 0 3 21 24 0 3 21 24 0 2 21 25 0 2 21 25 0 2	5 1 1 9 5 0 1 9 4 59 1 9 4 58 1 9 4 58 1 9 4 57 1 9	24 37 4 13 24 37 4 13 24 37 4 13 24 38 4 12 24 38 4 12 24 38 4 12	20 16 20 30 20 18 20 31 20 20 20 32 20 22 20 32 20 23 20 33 20 24 20 34 20 24 20 34	12 47 12 50 12 53 12 55 12 58 13 1	17 14 5 57 17 14 5 57 17 15 5 56 17 15 5 56
S 29 M30 T 31	3 57	24 20 1 26 21 24 0 19 17 s 31 0 n 48	1 37 1 1	9 6 30 1 24	9 39 1 12	22 29 0 14	21 53 1 25 21 53 1 25 21 s53 1n25		4 54 1 9	24 38 4 12	20 24 20 35 20 24 20 35 20 s24 20 s36	13 9	17 18 5 55 17 18 5 54 17n19 5 s54

Julian Day Number = 2339475.5, Delta T = 16.98 sec Ecliptic obliquity = 23°28'50, Nutation = $0^\circ00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ27'26$, Lahiri = $19^\circ34'26$ Greg. Calendar

APRIL 1693 GC 00:00 UT

AI IX.	LL IUJ	, uc													00.0	0 0 1
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ұ(并	В	S.	Ω	Ç	ę,	Day
W 1	12 40 4	11 Y 56'24	20≈25	11Υ11	19) 16	9)(41	16 I I 9	23°R12	6Д53	20 米 23	28°R25	28°R54	27 궁 56	21 Y 45	21 II 22	W 1
T 2	12 44 0	12°55'25	2) 36	13°14	20°29	10°28	16°19	23 × 12	6°55	20°25	289524	28 궁 50	27°53	21°52	21°25	T 2
F 3	12 47 57	13°54'23	14°39	15°19	21°43	11°15	16°28	23°12	6°57	20°27	28°24	28°43	27°49	21°59	21°28	F 3
S 4	12 51 53	14°53'20	26°37	17°24	22°57	12° 1	16°38	23°11	7° 0	20°29	28°24	28°32	27°46	22° 5	21°31	S 4
S 5	12 55 50	15°52'15	8 Y 32	19°30	24°11	12°48	16°47	23°11	7° 2	20°31	28°24	28°20	27°43	22°12	21°34	S 5
M 6	12 59 47	16°51'08	20°24	21°35	25°24	13°35	16°57	23°11	7° 5	20°33	28°24	28° 6	27°40	22°19	21°38	M 6
T 7	13 3 43	17°49'59	2816	23°41	26°38	14°22	17° 7	23°10	7° 7	20°35	28°24	27°52	27°37	22°25	21°41	T 7
W 8	13 7 40	18°48'48	14° 9	25°47	27°52	15° 8	17°17	23° 9	7°10	20°38	28°24	27°38	27°33	22°32	21°44	W 8
T 9	13 11 36	19°47'34	26° 4	27°51	29° 5	15°55	17°27	23° 9	7°13	20°40	28°24	27°27	27°30	22°39	21°48	T 9
F 10	13 15 33	20°46'19	8 I I 4	29°55	o Υ 19	16°42	17°37	23° 8	7°15	20°42	28°D24	27°18	27°27	22°46	21°51	F 10
S 11	13 19 29	21°45'02	20°12	1858	1°33	17°28	17°48	23° 7	7°18	20°44	28°24	27°12	27°24	22°52	21°55	S 11
S 12	13 23 26	22°43'42	2931	3°59	2°46	18°15	17°58	23° 6	7°21	20°46	28°24	27° 9	27°21	22°59	21°59	S 12
M13	13 27 22	23°42'20	15° 6	5°59	4° 0	19° 1	18° 8	23° 5	7°23	20°48	28°24	27° 8	27°18	23° 6	22° 2	M13
T 14	13 31 19	24°40'56	28° 0	7°56	5°14	19°48	18°19	23° 3	7°26	20°50	28°24	27° 8	27°14	23°13	22° 6	T 14
W15	13 35 16	25°39'30	11 Ω 19	9°51	6°27	20°34	18°30	23° 2	7°29	20°52	28°24	27° 8	27°11	23°19	22°10	W15
T 16	13 39 12	26°38'01	25° 5	11°42	7°41	21°21	18°41	23° 1	7°32	20°54	28°24	27° 6	27° 8	23°26	22°14	T 16
F 17	13 43 9	27°36'30	9 m 20	13°31	8°55	22° 7	18°51	22°59	7°35	20°55	28°24	27° 2	27° 5	23°33	22°18	F 17
S 18	13 47 5	28°34'57	24° 3	15°16	10° 8	22°54	19° 2	22°58	7°38	20°57	28°24	26°55	27° 2	23°39	22°22	S 18
S 19	13 51 2	29°33'22	9 ॒ 7	16°58	11°22	23°40	19°13	22°56	7°41	20°59	28°25	26°46	26°59	23°46	22°26	S 19
M20	13 54 58	0 8 31'45	24°25	18°36	12°36	24°26	19°24	22°54	7°44	21° 1	28°25	26°36	26°55	23°53	22°30	M20
T 21	13 58 55	1°30'06	9 M .46	20°10	13°49	25°13	19°36	22°52	7°47	21° 3	28°25	26°25	26°52	24° 0	22°34	T 21
W22	14 2 51	2°28'25	24°57	21°39	15° 3	25°59	19°47	22°50	7°50	21° 5	28°25	26°15	26°49	24° 6	22°39	W22
T 23	14 6 48	3°26'43	9 ∡ 749	23° 5	16°17	26°45	19°58	22°48	7°53	21° 7	28°26	26° 7	26°46	24°13	22°43	T 23
F 24	14 10 44	4°24'59	24°14	24°26	17°30	27°32	20°10	22°46	7°56	21° 8	28°26	26° 1	26°43	24°20	22°47	F 24
S 25	14 14 41	5°23'14	8 ਰ 11	25°43	18°44	28°18	20°21	22°44	7°59	21°10	28°26	25°58	26°39	24°27	22°52	S 25
S 26	14 18 38	6°21'27	21°38	26°55	19°57	29° 4	20°33	22°42	8° 2	21°12	28°27	25°D57	26°36	24°33	22°56	S 26
M27	14 22 34	7°19'38	4≈38	28° 3	21°11	29°50	20°44	22°39	8° 5	21°14	28°27	25°R57	26°33	24°40	23° 1	M27
T 28	14 26 31	8°17'48	17°16	29° 6	22°25	0 Υ 37	20°56	22°37	8° 8	21°15	28°28	25°57	26°30	24°47	23° 5	T 28
W29	14 30 27	9°15'57	29°36	0耳 4	23°38	1°23	21° 8	22°34	8°11	21°17	28°28	25°56	26°27	24°53	23°10	W29
T 30	14 34 24	10814'04	11) (44	0Д57	24 Y 52	2 Υ 9	21 II 20	22 × 32	8 Ⅱ 15	21 米 19	28929	25 궁 52	26 궁 24	25 Υ 0	23耳14	T 30

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T 2	5 7	7 57 2	48 4 2	0 54	5 6	1 27	8 46	1 13	22 33	0 14	21 53	1 25	21 28	0 2	4 52	1 9	24 38	4 12	20 26	20 37	13 16	17 20	5 53
F 3	5 30	2 43 3	37 5 2	0 44	4 38	1 28	8 29	1 13	22 34	0 14	21 53	1 26	21 28	0 2	4 51	1 9	24 38	4 12	20 27	20 38	13 19	17 20	5 53
S 4	5 53	2n33 4	15 6 1	0 35	4 9	1 28	8 11	1 13	22 35	0 14	21 53	1 26	21 29	0 2	4 50	1 9	24 38	4 12	20 29	20 39	13 22	17 21	5 52
S 5	6 15	7 43 4	42 7 1	0 25	3 41	1 29	7 53	1 13	22 36	0 14	21 53	1 26	21 29	0 2	4 49	1 9	24 38	4 12	20 32	20 39	13 24	17 21	5 52
M 6	6 38	12 34 4	57 8 1	0 14	3 12	1 30	7 35	1 13	22 37	0 13	21 53	1 26	21 29	0 2	4 48	1 9	24 38	4 12	20 35	20 40	13 27	17 22	5 52
T 7	7 1	16 57 4	59 9	0 4	2 43	1 30	7 17	1 13	22 38	0 13	21 52	1 26	21 30	0 2	4 48	1 9	24 38	4 12	20 38	20 40	13 30	17 23	5 51
W 8	7 23	20 41 4	48 10	0n 7	2 14	1 31	6 59	1 13	22 39		21 52	1 26	21 30	0 2	4 47	1 9	24 38	4 12	20 40	20 41	13 32	17 23	5 51
T 9	7 45		24 11	0 18	1 46	1 31	6 41		22 40		21 52	1 26	-	0 2	4 46	1 9	24 38				13 35	-	5 51
F 10			48 11 5		1 16	1 32	6 23		22 41		21 52		21 31	0 2	4 45	1 9					13 37		5 50
S 11	8 29	26 8 3	2 12 4	0 40	0 47	1 32	6 5	1 13	22 42	0 13	21 52	1 26	21 32	0 2	4 45	1 9	24 38	4 12	20 45	20 43	13 40	17 25	5 50
S 12	8 51	25 33 2	6 13 4	0 51	0 18	1 32	5 47		22 44		21 52		21 32		4 44	1 9	24 38				13 43		5 50
M13	9 13	23 40 1	3 14 3	1 2	0n11	1 32	5 28		22 45		21 52	1 26	21 33	0 2	4 43	1 9	24 37	4 12	20 46	20 44	13 45	17 26	5 49
T 14			s 5 15 2		0 40	1 32	5 10		22 46		21 52	1 26			4 42	1 9					13 48		5 49
W15			14 16	,	1 9	1 32	4 52		22 47		21 52		21 34		4 41	1 9					13 50		5 49
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F 17	10 38		23 17 3		2 8	1 32	4 15		22 49		21 51	1 26			4 40	1 9					13 55		5 48
S 18	10 59	1 s30 4	13 18 1	1 52	2 37	1 32	3 57	1 13	22 50	0 12	21 51	1 27	21 35	0 2	4 39	1 9	24 37	4 12	20 49	20 47	13 58	17 28	5 48
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M20		14 7 5		-	3 35	1 31	3 20		22 52		21 51	1 27					24 37			20 49	-	17 29	5 47
T 21			52 19 5		4 4	1 31	3 1		22 53		21 51	1 27				1 10				20 49		17 30	5 47
W22	12 21		24 20 2		4 33	1 31	2 43		22 54		21 51	1 27				1 10				20 50		17 31	5 47
T 23	12 41		38 20 5		5 2	1 30	2 24		22 55		21 50		21 37			1 10					14 11		5 46
F 24	-		39 21 2		5 30	1 29	2 6		22 56		21 50	1 27				1 10					14 13		5 46
S 25	13 20	24 46 1	33 21 4	2 35	5 59	1 29	1 47	1 13	22 57	0 11	21 50	1 27	21 38	0 2	4 34	1 10	24 36	4 11	20 59	20 52	14 16	17 32	5 46
S 26	13 40			2 38	6 27	1 28	1 29		22 58		21 50		21 39		-		24 36	4 11			14 18		5 45
M27	13 59	-	n46 22 2		6 56	1 27	1 10		22 59		21 50	1 27			4 33	1 10		4 11			14 21		5 45
T 28	-		50 22 3		7 24	1 26	0 52	1 12			21 50	1 27		0 2		1 10		4 11			14 23		5 45
W29	14 36		48 22 4		7 52	1 26	0 33	1 12			21 49		21 41	0 2		1 10		4 11			14 26		5 45
T 30	14n55	3 s 5 0 3	n37 22n5	3 2n39	8n20	1 s25	0s15	1 s12	23n 1	0s10	21 s49	1n27	21n41	0s 2	4s31	1 s10	24n36	4n11	21 s 1	20 s55	14n28	17n34	5 s44

 $\label{eq:Julian Day Number = 2339506.5, Delta T = 16.94 sec} \\ Ecliptic obliquity = 23°28'50, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°27'30, Lahiri = 19°34'30Greg. Calendar$

MAY 1693 GC 00:00 UT

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Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(并	В	N.	v	Ç	& &	Day
F 1	14 38 20	11812'09	23) (42	1 Ⅱ 46	26 Y 6	2 Υ 55	21 II 32	22°R29	8 Ⅱ 18	21 米 20	28929	25°R45	26중20	25 ° 7	23 I I19	F 1
S 2	14 42 17	12°10'14	5 Ƴ 35	2°29	27°19	3°41	21°44	22 × 126	8°21	21°22	28°30	25 궁 36	26°17	25°14	23°24	S 2
S 3	14 46 13	13° 8'16	17°27	3° 8	28°33	4°27	21°56	22°23	8°24	21°23	28°30	25°25	26°14	25°20	23°29	S 3
M 4	14 50 10	14° 6'17	29°18	3°41	29°46	5°13	22° 8	22°21	8°28	21°25	28°31	25°12	26°11	25°27	23°34	M 4
T 5	14 54 7	15° 4'17	11 8 12	4° 9	18 0	5°59	22°20	22°18	8°31	21°27	28°32	24°59	26° 8	25°34	23°38	T 5
W 6	14 58 3	16° 2'15	23° 9	4°33	2°14	6°45	22°32	22°14	8°34	21°28	28°32	24°47	26° 4	25°40	23°43	W 6
T 7	15 2 0	17° 0'12	5 Ⅱ 11	4°51	3°27	7°30	22°45	22°11	8°38	21°30	28°33	24°36	26° 1	25°47	23°48	T 7
F 8	15 5 56	17°58'07	17°19	5° 4	4°41	8°16	22°57	22° 8	8°41	21°31	28°34	24°28	25°58	25°54	23°53	F 8
S 9	15 9 53	18°56'00	29°35	5°12	5°54	9° 2	23°10	22° 5	8°44	21°32	28°34	24°23	25°55	26° 1	23°58	S 9
S 10	15 13 49	19°53'52	1295 2	5°R15	7° 8	9°48	23°22	22° 2	8°48	21°34	28°35	24°20	25°52	26° 7	24° 4	S 10
M11	15 17 46	20°51'42	24°42	5°13	8°22	10°33	23°35	21°58	8°51	21°35	28°36	24°D19	25°49	26°14	24° 9	M11
T 12	15 21 43	21°49'30	7 Ω 39	5° 7	9°35	11°19	23°47	21°55	8°55	21°37	28°37	24°20	25°45	26°21	24°14	T 12
W13	15 25 39	22°47'16	20°55	4°56	10°49	12° 5	24° 0	21°51	8°58	21°38	28°37	24°R20	25°42	26°28	24°19	W13
T 14	15 29 36	23°45'01	4 m 35	4°40	12° 2	12°50	24°13	21°48	9° 1	21°39	28°38	24°20	25°39	26°34	24°24	T 14
F 15	15 33 32	24°42'44	18°39	4°21	13°16	13°36	24°25	21°44	9° 5	21°40	28°39	24°17	25°36	26°41	24°30	F 15
S 16	15 37 29	25°40'25	3 ₾ 7	3°58	14°30	14°21	24°38	21°40	9° 8	21°42	28°40	24°13	25°33	26°48	24°35	S 16
S 17	15 41 25	26°38'05	17°56	3°33	15°43	15° 6	24°51	21°36	9°12	21°43	28°41	24° 6	25°30	26°54	24°40	S 17
M18	15 45 22	27°35'43	3 M 0	3° 4	16°57	15°52	25° 4	21°33	9°15	21°44	28°42	23°58	25°26	27° 1	24°46	M18
T 19	15 49 18	28°33'20	18° 9	2°33	18°10	16°37	25°17	21°29	9°19	21°45	28°43	23°50	25°23	27° 8	24°51	T 19
W20	15 53 15	29°30'56	3 ∡ 13	2° 1	19°24	17°22	25°30	21°25	9°22	21°46	28°44	23°42	25°20	27°15	24°56	W20
T 21	15 57 12	0 Ⅲ 28'31	1 <u>8</u> ° 2	1°27	20°37	18° 7	25°43	21°21	9°26	21°47	28°45	23°36	25°17	27°21	25° 2	T 21
F 22	16 1 8	1°26'04	2 ප 30	0°53	21°51	18°53	25°56	21°17	9°29	21°49	28°46	23°32	25°14	27°28	25° 7	F 22
S 23	16 5 5	2°23'37	16°31	0°19	23° 5	19°38	26° 9	21°13	9°33	21°50	28°47	23°31	25°10	27°35	25°13	S 23
S 24	16 9 1	3°21'08	0≈ 4	29846	24°18	20°23	26°22	21° 9	9°36	21°51	28°48	23°D31	25° 7	27°42	25°18	S 24
M25	16 12 58	4°18'39	13°10	29°14	25°32	21° 8	26°35	21° 5	9°40	21°52	28°49	23°32	25° 4	27°48	25°24	M25
T 26	16 16 54	5°16'09	25°53	28°44	26°45	21°53	26°48	21° 1	9°43	21°53	28°50	23°33	25° 1	27°55	25°30	T 26
W27	16 20 51	6°13'38	8) 16	28°16	27°59	22°38	27° 1	20°56	9°47	21°53	28°51	23°R33	24°58	28° 2	25°35	W27
T 28	16 24 47	7°11'06	20°24	27°51	29°13	23°23	27°15	20°52	9°51	21°54	28°52	23°32	24°55	28° 8	25°41	T 28
F 29	16 28 44	8° 8'33	2 Y 23	27°29	0П26	24° 7	27°28	20°48	9°54	21°55	28°53	23°29	24°51	28°15	25°46	F 29
S 30	16 32 41	9° 6'00	14°16	27°11	1°40	24°52	27°41	20°44	9°58	21°56	28°55	23°24	24°48	28°22	25°52	S 30
S 31	16 36 37	10耳 3'26	26 Y 7	26 8 56	2 ∏ 53	25 Y 37	27 Ⅱ 55	20 ∡ 39	10 I I 1	21 米 57	28956	23 궁 18	24 궁 45	28 Y 29	25耳58	S 31

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	decl	decl lat	decl	lat	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	lat	decl	decl	decl	decl	lat
F 1 S 2	15n13 15 31		23n 6 23 12		8n48 1s24 9 15 1 23	0n 4 0 22	1 s12 1 12	23n 2 23 3		21 s49 21 49		21n42 21 42			24n36 24 35				14n31 14 34		5 s44 5 44
S 3 M 4 T 5 W 6	16 6 16 23	15 55 5 (3 23 15 0 23 16 0 23 15 5 23 12	2 23 10 2 17 10	9 43 1 21 0 10 1 20 0 37 1 19 1 3 1 18	0 41 0 59 1 17 1 36	1 11	23 4 23 5 23 6 23 7	0 10 0 10	21 49 21 48 21 48 21 48	1 27 1 27	21 44	0 2 0 2	4 29 1 10 4 29 1 10 4 28 1 10 4 28 1 10	24 35	4 11 4 11	21 8 21 10	20 57 20 58	14 36 14 39 14 41 14 44	17 36 17 37	5 44 5 44 5 43 5 43
T 7 F 8 S 9	17 13 17 29	25 36 2 8	3 22 59 22 50	1 50 1 1 39 1	2 22 1 13	1 54 2 12 2 31	1 11 1 11 1 10	23 8 23 9	0 9 0 9	21 48 21 48 21 47	-	21 45 21 46	0 2 0 2	4 27 1 10 4 26 1 10	24 35 24 34 24 34	4 11 4 11	21 16 21 17	20 59 21 0	14 46 14 48 14 51	17 38 17 38	5 43 5 43 5 43
S 10 M11 T 12 W13	18 15 18 30	21 11 0s 2 17 15 1 11 12 23 2 13	21 54	1 14 13 1 0 13 0 46 14	-	2 49 3 7 3 25 3 43	1 10 1 10 1 9	23 10 23 10 23 11 23 12	0 9 0 9 0 9 0 9	21 47 21 47 21 47	1 27 1 27 1 27	21 48	0 2 0 2 0 2	4 25 1 10 4 25 1 10 4 24 1 10	24 34 24 33	4 11 4 11 4 11	21 17 21 17 21 17 21 17	21 1 21 2 21 2	15 1	17 39 17 39 17 40	5 42 5 42 5 42 5 42
T 14 F 15 S 16 S 17	18 45 18 59 19 13	0 41 4 8 5 s 36 4 4 5	3 21 36 3 21 17 5 20 56 3 20 34	0 14 14 0s 3 1:	4 26 1 5 4 50 1 4 5 14 1 2 5 37 1 0	4 1 4 19 4 37 4 55	1 9 1 9	23 12 23 13 23 14 23 14	0 9 0 8	21 46 21 46 21 46 21 46			0 2 0 2	4 23 1 10 4 23 1 11	24 33 24 33 1 24 33 1 24 33	4 11 4 11	21 17 21 18 21 18 21 20	21 4 21 4	15 6	17 40 17 41 17 41	5 42 5 42 5 41 5 41
M18 T 19 W20 T 21 F 22	19 39 19 52 20 5	17 14 5 1 21 43 4 38 24 42 3 50 25 54 2 58	20 12 3 19 49 5 19 25 8 19 1	0 37 10 0 55 10 1 12 10 1 30 1		5 12 5 30 5 48 6 5 6 22	1 8 1 8 1 8 1 7	23 15 23 16 23 16 23 17	0 8 0 8 0 8 0 8	21 45 21 45	1 27 1 27 1 27 1 27 1 27 1 27	21 51 21 51 21 52 21 52	0 2 0 2 0 2 0 2	4 22 1 11 4 21 1 11 4 21 1 11 4 21 1 11	1 24 32 1 24 32 1 24 32 1 24 32 1 24 31	4 10 4 10 4 10 4 10 4 10	21 21 21 22 21 24 21 25 21 25	21 5 21 6 21 6 21 7	15 13 15 16 15 18	17 42 17 42 17 42 17 43	5 41 5 41 5 41 5 41 5 41
S 23 S 24	20 4120 52	23 5 0 38 19 36 0n35	18 15 17 52	2 3 17 2 19 18	7 48 0 48	6 40	1 7 1 6	23 18 23 18 23 19	0 8	21 44 21 44	1 27 1 27	21 5321 54	0 2 0 2	4 20 1 11 4 20 1 11	1 24 31 1 24 31 1 24 31 1 24 31	4 10	21 26 21 26 21 26 21 26	21 821 9	15 25 15 28	17 4317 43	5 41 5 41 5 40
T 26 W27 T 28		10 19 2 45 5 7 3 33 0n 9 4 19	5 17 11 7 16 52	2 48 18 3 1 19 3 13 19	8 47 0 42 9 6 0 40 9 24 0 38	7 32 7 49 8 6 8 22	1 6 1 5 1 5	23 19 23 19 23 20 23 20	0 7 0 7 0 7 0 7	21 44 21 43 21 43	1 27 1 27 1 27 1 27	21 55 21 56 21 56	0 2 0 2 0 2	4 19 1 11 4 19 1 11 4 18 1 11 4 18 1 11	24 30 1 24 30 1 24 30	4 10 4 10 4 10	21 25 21 25 21 26	21 10 21 10 21 11	15 33 15 35 15 37 15 40	17 44 17 44 17 45	5 40 5 40 5 40 5 40
			16 6 15n54	3 33 19 3 s42 20		8 39 8n56		23 21 23n21		21 43 21 s42		21 57 21n58			24 29 1 24n29				15 42 15n44	17 45 17n45	5 40 5 s40

Julian Day Number = 2339536.5, Delta T = 16.90 sec

Ecliptic obliquity = $23^{\circ}28'49$, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}27'34$, Lahiri = $19^{\circ}34'34$ Greg. Calendar

JUNE 1693 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)/j(¥	Р	ß	Ω	Ç	Ŷ,	Day
M 1	16 40 34	11 I I 0'51	8 8 0	26°R45	4 I 7	26 Y 21	28耳 8	20°R35	10耳 5	21 米 58	28957	23°R11	24 3 42	28 Y 35	26 I I 3	M 1
T 2	16 44 30	11°58'16	19°57	26 8 39	5°21	27° 6	28°21	20 × 31	10°8	21°58	28°58	23중 3	24°39	28°42	26° 9	T 2
W 3	16 48 27	12°55'40	2 I 1	26°D37	6°34	27°51	28°35	20°26	10°12	21°59	28°59	22°56	24°36	28°49	26°15	W 3
T 4	16 52 23	13°53'03	14°13	26°39	7°48	28°35	28°48	20°22	10°15	22° 0	29° 1	22°50	24°32	28°55	26°21	T 4
F 5	16 56 20	14°50'25	26°33	26°46	9° 1	29°19	29° 2	20°18	10°19	22° 0	29° 2	22°45	24°29	29° 2	26°27	F 5
S 6	17 0 16	15°47'47	995 4	26°57	10°15	0 8 4	29°15	20°13	10°22	22° 1	29° 3	22°42	24°26	29° 9	26°32	S 6
S 7	17 4 13	16°45'08	21°46	27°13	11°29	0°48	29°29	20° 9	10°26	22° 2	29° 5	22°D42	24°23	29°16	26°38	S 7
M 8	17 8 10	17°42'28	4 Ω 41	27°34	12°42	1°32	29°42	20° 4	10°30	22° 2	29° 6	22°42	24°20	29°22	26°44	M 8
T 9	17 12 6	18°39'46	17°50	27°58	13°56	2°17	29°56	20° 0	10°33	22° 3	29° 7	22°43	24°16	29°29	26°50	T 9
W10	17 16 3	19°37'04	1 m) 14	28°28	15°10	3° 1	099 9	19°55	10°37	22° 3	29° 9	22°45	24°13	29°36	26°56	W10
T 11	17 19 59	20°34'21	14°56	29° 1	16°23	3°45	0°23	19°51	10°40	22° 4	29°10	22°R46	24°10	29°43	27° 2	T 11
F 12	17 23 56	21°31'38	28°55	29°39	17°37	4°29	0°36	19°47	10°44	22° 4	29°11	22°46	24° 7	29°49	27° 7	F 12
S 13	17 27 52	22°28'53	13 ≏ 11	0 П 21	18°51	5°13	0°50	19°42	10°47	22° 4	29°13	22°44	24° 4	29°56	27°13	S 13
S 14	17 31 49	23°26'07	27°41	1° 8	20° 4	5°56	1° 3	19°38	10°51	22° 5	29°14	22°42	24° 1	0 ප 3	27°19	S 14
M15	17 35 45	24°23'21	12 M 23	1°58	21°18	6°40	1°17	19°33	10°54	22° 5	29°16	22°38	23°57	0° 9	27°25	M15
T 16	17 39 42	25°20'34	27° 8	2°52	22°32	7°24	1°31	19°29	10°57	22° 5	29°17	22°35	23°54	0°16	27°31	T 16
W17	17 43 39	26°17'47	11 ×7 51	3°50	23°45	8° 8	1°44	19°25	11° 1	22° 6	29°19	22°31	23°51	0°23	27°37	W17
T 18	17 47 35	27°14'59	26°23	4°52	24°59	8°51	1°58	19°20	11° 4	22° 6	29°20	22°28	23°48	0°30	27°43	T 18
F 19	17 51 32	28°12'11	10 궁 39	5°58	26°13	9°35	2°11	19°16	11°8	22° 6	29°22	22°27	23°45	0°36	27°49	F 19
S 20	17 55 28	29° 9'23	24°34	7° 8	27°26	10°18	2°25	19°12	11°11	22° 6	29°23	22°D26	23°42	0°43	27°54	S 20
S 21	17 59 25	09 6'34	8≈ 6	8°21	28°40	11° 2	2°39	19° 7	11°15	22° 6	29°25	22°27	23°38	0°50	28° 0	S 21
M22	18 3 21	1° 3'46	21°13	9°38	29°54	11°45	2°52	19° 3	11°18	22° 6	29°26	22°28	23°35	0°57	28° 6	M22
T 23	18 7 18	2° 0'57	3 ∺ 59	10°59	199 7	12°28	3° 6	18°59	11°21	22° 6	29°28	22°30	23°32	1° 3	28°12	T 23
W24	18 11 14	2°58'08	16°26	12°23	2°21	13°11	3°20	18°54	11°25	22°R 6	29°29	22°31	23°29	1°10	28°18	W24
T 25	18 15 11	3°55'19	28°37	13°51	3°35	13°54	3°33	18°50	11°28	22° 6	29°31	22°R32	23°26	1°17	28°24	T 25
F 26	18 19 8	4°52'31	10 Y 37	15°22	4°48	14°38	3°47	18°46	11°31	22° 6	29°32	22°32	23°22	1°23	28°30	F 26
S 27	18 23 4	5°49'43	22°32	16°57	6° 2	15°21	4° 1	18°42	11°35	22° 6	29°34	22°31	23°19	1°30	28°36	S 27
S 28	18 27 1	6°46'54	4 8 24	18°35	7°16	16° 3	4°14	18°38	11°38	22° 6	29°35	22°30	23°16	1°37	28°42	S 28
M29	18 30 57	7°44'07	16°20	20°17	8°30	16°46	4°28	18°34	11°41	22° 6	29°37	22°28	23°13	1°44	28°48	M29
T 30	18 34 54	89541'19	28821	22 I 1	9 95 43	17829	49541	18 × 30	11 Ⅱ 45	22 米 6	29939	22 중 26	23 궁 10	1850	28 Ⅲ 53	T 30

Day	0	J		ğ		φ	C	3'	2	4	ŧ	1)	ľ(4		Р)	n	Ω	Ç	ç	
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M 1 T 2	22n 8 22 16		4n58 15r 4 35 15	-	3 s49 20n 3 55 20		9n12 9 29		23n21 23 22		21 s42 21 42		21n58 21 59				24n29 24 29			21 s13 21 14	-		5 s40 5 40
W 3 T 4 F 5	22 30	25 45 3	4 0 15 3 14 15	30	4 3 21		10 1	1 2	23 22 23 22	0 6		1 27	-	0 2	4 16	1 11		4 10	21 33	21 14 21 15	15 54	17 46	5 40 5 40
S 6	22 43	24 23 1	2 17 15 1 13 15	31	4 5 21 4 7 21	45 0 17	10 18 10 34	1 1	-	0 6	21 41	1 27 1 27	22 1	0 2	4 16	1 12	24 28 24 28	4 10	21 34	21 16 21 16	15 59	17 46	5 40 5 40
S 7 M 8 T 9	22 49 22 55 23 0	18 4 1	0 5 15 1s 5 15 2 13 15	40	4 7 21 4 6 22 4 4 22	9 0 12	10 49 11 5 11 21	1 0	23 23 23 23 23 23	0 6		1 27 1 27 1 26	22 2		4 16	1 12	24 2724 2724 27	4 10	21 34	21 17 21 17 21 18	16 3	17 47	5 40 5 40 5 40
W10 T 11	23 4 23 9	2 9 4		7	4 1 22 3 57 22	12 0 5	11 36 11 52	0 59	23 23 23 23	0 6	21 40 21 39	1 26 1 26	22 3	0 2	4 15	1 12	24 26 24 26	4 10	21 33	21 18 21 19	16 10	17 47	5 40 5 40
F 12 S 13	23 13 23 16	9 56 5		34	3 52 22 3 47 23	0 0 0	12 7 12 22	0 58	23 23 23 23	0 6	21 39 21 39	1 26 1 26	22 4	0 2	4 15	1 12	24 26 24 26	4 10	21 34	21 19 21 20	16 15	17 47	5 40 5 40
S 14 M15 T 16	23 22	20 15 4	5 11 16 4 54 17 4 18 17	6	3 40 23 3 33 23 3 26 23	16 0 4	12 37 12 52 13 7	0 57	23 23 23 23 23 23	0 5 0 5 0 5	21 38	1 26 1 26 1 26	22 5	0 2	4 15	1 12	24 2524 2524 25	4 10	21 35	21 21 21 21 21 22	16 20	17 47	5 40 5 40 5 40
W17 T 18	-	25 37 3	3 24 17 2 18 18	43	3 17 23 3 8 23	0 9		0 56	23 23 23 23 23 23	0 5		1 26 1 26	22 6	-	4 15	1 12	24 24 24 24	4 10	21 36	21 22 21 23	16 24	17 47	5 40 5 40
F 19 S 20	23 28 23 29		1 4 18 On12 18		2 59 23 2 49 23		13 50 14 5		23 23 23 23		21 37 21 37	1 26 1 26		-			24 24 24 23			21 23 21 24			5 40 5 40
S 21 M22 T 23	23 29 23 29 23 28	12 3 2	1 25 19 2 32 19 3 29 19	30	2 39 23 2 28 23 2 17 23	0 21	14 19 14 33 14 46	0 53	23 22 23 22 23 22	0 5	21 37 21 37 21 36	1 25 1 25 1 25	22 9	0 2	4 15	1 12	24 2324 2324 22	4 10	21 36	21 24 21 25 21 26	16 36	17 47	5 40 5 41 5 41
W24 T 25	23 27 23 25	1 27 4	1 15 20 1 48 20	15	2 17 23 2 5 23 1 53 23	0 25	15 0 15 13	0 52	23 22 23 22 23 22	0 5	21 36 21 36 21 36	1 25		0 2	4 15	1 12	24 22 24 22 24 22	4 10	21 36	21 26 21 26 21 27	16 40	17 47	5 41 5 41
F 26 S 27	23 23 23 21		5 9 21 5 15 21		1 41 23 1 29 23		15 27 15 40		23 21 23 21		21 36 21 35		22 11 22 11				24 22 24 21			21 27 21 28			5 41 5 41
S 28 M29 T 30	23 15	21 21 4	5 9 21 4 49 22 4n16 22r	3	1 17 23 1 4 23 0 s52 23n	0 37	15 53 16 6 16n18	0 49	23 21 23 20 23n20	0 4	21 35 21 35 21 s35	1 24	22 12 22 12 22n12	0 2	4 15	1 13	24 21 24 21 24n20	4 10	21 36	21 28 21 29 21 s29	16 52	17 47	5 41 5 41 5 s42

Julian Day Number = 2339567.5, Delta T = 16.87 sec Ecliptic obliquity = $23^{\circ}28'48$, Nutation = $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}27'38$, Lahiri = $19^{\circ}34'39$ Greg. Calendar

JULY 1693 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ)∤(并	В	R	Ω	Ç	ķ	Day
W 1	18 38 50	9938'32	10 ∏ 31	23 II 49	10957	18812	4955	18°R26	11 I I48	22°R 6	29940	22°R24	23중 7	1 8 57	28 II 59	W 1
T 2	18 42 47	10°35'44	22°53	25°40	12°11	18°54	5° 9	18 K 20	11°51	22 K 6	29°42	22 K24 22 3 22	23° 3	2° 4	29° 5	T 2
F 3	18 46 43	11°32'57	59528	27°33	13°25	19°37	5°22	18°18	11°54	22° 5	29°43	22°21	23° 0	2°10	29°11	F 3
S 4	18 50 40	12°30'11	18°17	29°30	14°39	20°19	5°36	18°14	11°57	22° 5	29°45	22°D21	22°57	2°17	29°17	S 4
S 5	18 54 37	13°27'24	1Ω20	19528	15°52	21° 2	5°49	18°10	12° 1	22° 5	29°47	22°21	22°54	2°24	29°23	S 5
M 6	18 58 33	13°27'24 14°24'37	14°37	3°29	13°32	21°44	6° 3	18° 6	12° 1	22° 3	29°47 29°48	22°21	22°51	2°31	29°28	S 5 M 6
T 7	19 2 30	14 24 37 15°21'51	28° 7	5°32	18°20	21°44 22°26	6°17	18° 3	12° 7	22° 4	29°50	22°22	22°48	2°37	29°34	T 7
W 8	19 6 26	16°19'04	11 mp 50	7°37	19°34	23° 8	6°30	17°59	12°10	22° 3	29°52	22°23	22°44	2°44	29°40	W 8
T 9	19 10 23	17°16'17	25°44	9°43	20°48	23°50	6°44	17°56	12°13	22° 3	29°53	22°23	22°41	2°51	29°46	T 9
F 10	19 14 19	18°13'31	9 <u>Ω</u> 47	11°50	22° 2	24°32	6°57	17°52	12°16	22° 2	29°55	22°23	22°38	2°58	29°51	F 10
S 11	19 18 16	19°10'44	23°59	13°58	23°15	25°14	7°11	17°49	12°19	22° 2	29°57	22°R23	22°35	3° 4	29°57	S 11
S 12	19 22 12	20° 7'58	8 ጤ 17	16° 6	24°29	25°56	7°24	17°45	12°22	22° 1	29°58	22°23	22°32	3°11	099 3	S 12
M13	19 26 9	21° 5'12	22°37	18°15	25°43	26°38	7°37	17°42	12°25	22° 1	0Ω 0	22°23	22°28	3°18	0° 8	M13
T 14	19 30 6	22° 2'26	6 ₹ 157	20°23	26°57	27°20	7°51	17°39	12°28	22° 0	0° 2	22°D23	22°25	3°24	0°14	T 14
W15	19 34 2	22°59'40	21°12	22°31	28°11	28° 1	8° 4	17°35	12°31	22° 0	0° 4	22°23	22°22	3°31	0°20	W15
T 16	19 37 59	23°56'55	5 궁 18	24°39	29°25	28°43	8°18	17°32	12°34	21°59	0° 5	22°23	22°19	3°38	0°25	T 16
F 17	19 41 55	24°54'10	19°12	26°45	0 Ω 39	29°24	8°31	17°29	12°37	21°58	0° 7	22°R23	22°16	3°45	0°31	F 17
S 18	19 45 52	25°51'26	2≈50	28°51	1°53	0 Ⅱ 5	8°44	17°26	12°39	21°57	0° 9	22°23	22°13	3°51	0°37	S 18
S 19	19 49 48	26°48'42	16°10	0 റ 56	3° 6	0°47	8°57	17°23	12°42	21°57	0°10	22°23	22° 9	3°58	0°42	S 19
M20	19 53 45	27°45'59	29°12	2°59	4°20	1°28	9°11	17°20	12°45	21°56	0°12	22°22	22° 6	4° 5	0°48	M20
T 21	19 57 42	28°43'17	11 米 55	5° 1	5°34	2° 9	9°24	17°18	12°48	21°55	0°14	22°22	22° 3	4°11	0°53	T 21
W22	20 1 38	29°40'35	24°21	7° 1	6°48	2°50	9°37	17°15	12°50	21°54	0°15	22°21	22° 0	4°18	0°59	W22
T 23	20 5 35	0 Ω 37'55	6 Υ 34	9° 1	8° 2	3°31	9°50	17°12	12°53	21°53	0°17	22°20	21°57	4°25	1° 4	T 23
F 24	20 9 31	1°35'15	18°35	10°58	9°16	4°11	10° 3	17°10	12°56	21°52	0°19	22°19	21°54	4°32	1° 9	F 24
S 25	20 13 28	2°32'37	0830	12°54	10°30	4°52	10°16	17° 7	12°58	21°52	0°21	22°D19	21°50	4°38	1°15	S 25
S 26	20 17 24	3°30'00	12°24	14°48	11°44	5°33	10°30	17° 5	13° 1	21°51	0°22	22°19	21°47	4°45	1°20	S 26
M27	20 21 21	4°27'23	24°19	16°41	12°58	6°13	10°43	17° 3	13° 3	21°50	0°24	22°20	21°44	4°52	1°25	M27
T 28	20 25 17	5°24'48	6 Ⅱ 22	18°32	14°12	6°54	10°55	17° 1	13° 6	21°49	0°26	22°21	21°41	4°59	1°31	T 28
W29	20 29 14	6°22'15	18°37	20°22	15°26	7°34	11° 8	16°58	13° 8	21°48	0°27	22°22	21°38	5° 5	1°36	W29
T 30	20 33 11	7°19'42	195 6	22° 9	16°40	8°14	11°21	16°56	13°11	21°47	0°29	22°23	21°34	5°12	1°41	T 30
F 31	20 37 7	8 Ω 17'11	13953	23 N 56	17 Ω 54	8耳54	119934	16 ₹ 54	13 II 13	21) 46	0 Ω 31	22 궁 24	21 る 31	5 8 19	19546	F 31

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S 5 M 6 T 7 W 8	22 48 22 42 22 36 22 29	19 6 0s5 14 34 2 9 15 3 3 25 4	23 36 0 23 45 5 23 51 1 23 55	0n 8 23 21 0 19 23 13 0 30 23 6 0 40 22 57	0 49 17 19 0 51 17 31 0 53 17 42 0 55 17 54	0 45 0 44 0 44 0 43	23 18 23 17 23 17 23 16	0 3 0 3 0 3 0 3	21 34 21 34 21 33 21 33	1 24 1 24 1 23 1 23	22 15 22 15 22 15 22 16	0 2 0 1 0 1	4 16 1 13 4 16 1 13 4 16 1 13 4 17 1 13	3 24 19 4 3 24 18 4 3 24 18 4 3 24 18 4	11 21 3 11 21 3 11 21 3 11 21 3	7 21 32 7 21 32 7 21 33 7 21 34	17 5 17 7 17 10 17 12	17 46 5 17 46 5 17 46 5 17 46 5	5 42 5 43 5 43
T 9 F 10 S 11 S 12	22 22 22 14 22 6 21 58	8 37 5 14 13 5 1	3 23 56 9 23 55 7 23 51 5 23 44	0 49 22 48 0 58 22 38 1 6 22 27 1 14 22 16	0 56 18 5 0 58 18 16 1 0 18 27 1 2 18 37	0 42 0 41	23 15 23 15 23 14 23 14	0 3	21 33 21 33 21 33 21 33	1 23 1 23		0 1 0 1	4 17 1 13 4 17 1 13	3 24 17 4 24 17 4	11 21 3 11 21 3 11 21 3 11 21 3	7 21 35 7 21 35	17 16 17 18	17 45 5 17 45 5	5 43 5 43 5 44
M13 T 14 W15 T 16 F 17	21 49 21 40 21 31 21 21 21 11	22 52 4 3 25 13 3 4 25 55 2 4 24 56 1 3 22 24 0 1	1 23 34 5 23 22	1 21 22 4 1 27 21 52 1 32 21 39 1 36 21 25 1 40 21 11 1 43 20 56	1 2 18 37 1 3 18 48 1 5 18 58 1 6 19 8 1 8 19 18 1 9 19 28 1 11 19 37	0 40 0 39 0 38 0 37 0 37	23 13 23 12 23 12 23 11 23 10	0 3 0 3 0 2 0 2 0 2 0 2	21 32 21 32 21 32 21 32 21 32	1 23 1 22 1 22 1 22 1 22	22 18 22 18 22 19 22 19	0 1 0 1 0 1 0 1 0 1	4 18 1 13 4 18 1 13 4 18 1 13 4 19 1 13 4 19 1 13	3 24 16 4 3 24 16 4 3 24 15 4 3 24 15 4 4 24 15 4	11 21 3 11 21 3 11 21 3 11 21 3 11 21 3 11 21 3	7 21 36 7 21 37 7 21 37 7 21 38 7 21 38	17 23 17 25 17 27 17 29 17 31	17 45 5 17 45 5 17 44 5 17 44 5 17 44 5	5 44 5 44 5 45 5 45 5 45
S 19 M20 T 21 W22 T 23 F 24 S 25	20 50 20 39 20 27 20 15 20 3 19 50 19 38	8 48 3 1 3 23 4 2n 2 4 4 7 16 5 12 9 5 1	8 21 42 0 21 15 1 20 47 0 20 17 5 19 45 6 19 12 8 18 38	1 45 20 40 1 47 20 24 1 48 20 7 1 48 19 50 1 47 19 32 1 46 19 13 1 44 18 54	1 12 19 46 1 14 19 56 1 15 20 5 1 16 20 13 1 17 20 22 1 18 20 30 1 19 20 39		23 8 23 7 23 6 23 5 23 4	0 2 0 2 0 2 0 2 0 2 0 2 0 2	21 32 21 31 21 31 21 31 21 31	1 21 1 21 1 21 1 21 1 21	22 21	0 1 0 1 0 1 0 1 0 1	4 20 1 14 4 20 1 14 4 21 1 14 4 21 1 14 4 21 1 14	24 14 4 24 14 4 24 13 4 24 13 4 24 13 4	11 21 3 11 21 3 11 21 3 11 21 3 12 21 3 12 21 3 12 21 3	7 21 40 7 21 40 7 21 41 8 21 41 8 21 42	17 38 17 40 17 42 17 44 17 46	17 43 5 17 43 5 17 42 5 17 42 5 17 42 5	5 46 5 46 5 46 5 47 5 47 5 47
S 26 M27 T 28 W29 T 30 F 31	19 11 18 57 18 43 18 28	25 55 2 5 25 23 1 5	3 17 26	1 42 18 35 1 39 18 15 1 35 17 54 1 32 17 33 1 27 17 12 1n22 16n50	1 20 20 47 1 21 20 55 1 22 21 2 1 23 21 10 1 23 21 17 1n24 21n24	0 29 0 28 0 27 0 26	23 2 23 1	0 1 0 1 0 1 0 1	21 31	1 20 1 20 1 20 1 20	22 23 22 23	0 1 0 1 0 1 0 1	4 23 1 14 4 23 1 14 4 24 1 14 4 24 1 14	24 12 4 24 11 4 24 11 4 24 11 4	12 21 3 12 21 3 12 21 3 12 21 3 12 21 3 12 21 s3	8 21 43 7 21 44 7 21 44 7 21 45	17 53 17 55 17 57 17 59	17 40 5 17 40 5 17 40 5 17 39 5	5 48 5 48 5 48 5 49 5 49 5 849

Julian Day Number = 2339597.5, Delta T = 16.83 sec Ecliptic obliquity = 23°28'48, Nutation = $0^\circ00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ27'42$, Lahiri = $19^\circ34'43$ Greg. Calendar

AUGUST 1693 GC 00:00 UT

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S 1	20 41 4	9Ω14'40	26958	25 Ω 40	19⋒ 8	9 П 34	119547	16°R53	13 II 15	21°R44	0 Ω 32	22°R24	21 궁 28	5 8 25	1951	S 1
S 2	20 45 0	10°12'11	10 £ 23	27°23	20°22	10°14	12° 0	16 × 751	13°18	21) (43	0°34	22 3 23	21°25	5°32	1°56	S 2
M 3	20 48 57	11° 9'43	24° 5	29° 5	21°36	10°54	12°12	16°49	13°20	21°42	0°36	22°22	21°22	5°39	2° 1	M 3
T 4	20 52 53	12° 7'15	8Mp 2	0 m 45	22°50	11°34	12°25	16°47	13°22	21°41	0°38	22°19	21°19	5°46	2° 7	T 4
W 5	20 56 50	13° 4'49	22°11	2°23	24° 4	12°14	12°38	16°46	13°24	21°40	0°39	22°17	21°15	5°52	2°11	W 5
T 6	21 0 46	14° 2'23	6 ≏ 27	4° 0	25°18	12°53	12°50	16°45	13°26	21°39	0°41	22°14	21°12	5°59	2°16	T 6
F 7	21 4 43	14°59'59	20°46	5°35	26°32	13°33	13° 3	16°43	13°28	21°37	0°43	22°12	21° 9	6° 6	2°21	F 7
S 8	21 8 40	15°57'35	5 M 4	7° 9	27°46	14°12	13°15	16°42	13°31	21°36	0°44	22°10	21° 6	6°12	2°26	S 8
S 9	21 12 36	16°55'13	19°18	8°41	29° 0	14°51	13°28	16°41	13°33	21°35	0°46	22°D10	21° 3	6°19	2°31	S 9
M10	21 16 33	17°52'51	3 ₹ 25	10°11	0 m 14	15°30	13°40	16°40	13°35	21°34	0°47	22°11	21° 0	6°26	2°36	M10
T 11	21 20 29	18°50'31	1 <u>7</u> °25	11°40	1°28	16° 9	13°52	16°39	13°36	21°32	0°49	22°12	20°56	6°33	2°40	T 11
W12	21 24 26	19°48'11	1 궁 14	13° 8	2°42	16°48	14° 4	16°38	13°38	21°31	0°51	22°13	20°53	6°39	2°45	W12
T 13	21 28 22	20°45'53	14°54	14°34	3°56	17°27	14°17	16°37	13°40	21°30	0°52	22°14	20°50	6°46	2°50	T 13
F 14	21 32 19	21°43'35	28°22	15°58	5°10	18° 6	14°29	16°37	13°42	21°28	0°54	22°R14	20°47	6°53	2°54	F 14
S 15	21 36 15	22°41'19	11≈38	17°20	6°24	18°44	14°41	16°36	13°44	21°27	0°56	22°13	20°44	6°59	2°59	S 15
S 16	21 40 12	23°39'04	24°40	18°41	7°38	19°23	14°53	16°36	13°45	21°25	0°57	22°10	20°40	7° 6	3° 3	S 16
M17	21 44 9	24°36'51	7 ∺ 28	20° 0	8°52	20° 1	15° 5	16°35	13°47	21°24	0°59	22° 6	20°37	7°13	3° 8	M17
T 18	21 48 5	25°34'39	20° 3	21°18	10° 6	20°39	15°16	16°35	13°49	21°22	1° 0	22° 0	20°34	7°20	3°12	T 18
W19	21 52 2	26°32'28	2 Υ 24	22°33	11°20	21°17	15°28	16°35	13°50	21°21	1° 2	21°54	20°31	7°26	3°16	W19
T 20	21 55 58	27°30'20	14°33	23°47	12°34	21°55	15°40	16°D35	13°52	21°20	1° 4	21°49	20°28	7°33	3°20	T 20
F 21	21 59 55	28°28'13	26°33	24°59	13°48	22°33	15°52	16°35	13°53	21°18	1° 5	21°44	20°25	7°40	3°25	F 21
S 22	22 3 51	29°26'08	8 8 27	26° 8	15° 2	23°11	16° 3	16°35	13°55	21°17	1° 7	21°40	20°21	7°46	3°29	S 22
S 23	22 7 48	0 Mp 24'04	20°19	27°16	16°16	23°49	16°15	16°35	13°56	21°15	1° 8	21°38	20°18	7°53	3°33	S 23
M24	22 11 44	1°22'03	2 I I14	28°21	17°30	24°26	16°26	16°35	13°58	21°14	1°10	21°D37	20°15	8° 0	3°37	M24
T 25	22 15 41	2°20'03	14°15	29°24	18°44	25° 4	16°37	16°36	13°59	21°12	1°11	21°38	20°12	8° 7	3°41	T 25
W26	22 19 38	3°18'05	26°30	0 <u>ი</u> 25	19°58	25°41	16°49	16°36	14° 0	21°10	1°13	21°39	20° 9	8°13	3°45	W26
T 27	22 23 34	4°16'10	995 0	1°23	21°12	26°18	17° 0	16°37	14° 1	21° 9	1°14	21°41	20° 6	8°20	3°48	T 27
F 28	22 27 31	5°14'16	21°52	2°18	22°26	26°55	17°11	16°37	14° 2	21° 7	1°16	21°R41	20° 2	8°27	3°52	F 28
S 29	22 31 27	6°12'24	5 Ω 8	3°11	23°40	27°32	17°22	16°38	14° 4	21° 6	1°17	21°40	19°59	8°34	3°56	S 29
S 30	22 35 24	7°10'34	18°48	4° 0	24°54	28° 9	17°33	16°39	1 <u>4</u> ° 5	21° 4	1°19	2 <u>1°</u> 37	1 <u>9</u> °56	8°40	4° 0	S 30
M31	22 39 20	8 Mp 8'45	2 m 52	4 <u>Ω</u> 46	26Mp 8	28∏45	179544	16 ₹ 40	14 I 6	21 米 3	1 \O 20	21 る 33	19 る 53	8 8 47	499 3	M31

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S 1	17n58	20n23	0 s25	14n12	1n17	16n27	1n25	21n31	0 s25	22n57	0 s 1	21 s31	1n19	22n24	0 s 1	4 s 2 5	1 s14	24n10	4n12	21 s37	21 s46	18n 3	17n38	5 s 5 0
S 2	17 43	16 6	1 38	13 31	1 11	16 4	1 25	21 38	0 24	22 56	0 1	21 31	1 19	22 25	0 1	4 25	1 14	24 10	4 12	21 37	21 46	18 5	17 38	5 50
M 3	17 27	10 55	2 46	12 50	1 5	15 41	1 26	21 44	0 23	22 54	0 1	21 31	1 19	22 25	0 1	4 26	1 14	24 10	4 12	21 37	21 47	18 7	17 38	5 50
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M10	15 30	24 44	3 56			12 46	1 27	22 25		22 47		21 31	1 18	22 27	0 1	4 30	1 14	24 8			21 50			5 53
T 11	15 12	25 52	2 59	7 18	0 7	12 20	1 27	22 30	0 16	22 46	0 (21 32	1 17	22 27	0 1	4 30	1 14	24 7	4 13	21 39	21 51	18 24	17 34	5 54
W12	-	25 21	1 53			11 53		22 35		22 44		21 32		22 27	-	4 31	1 14	24 7	-		21 51			5 54
T 13		23 19	0 40			11 26		22 39		22 43		21 32		22 28		4 31	1 14		-		21 52			5 54
F 14		19 59	0n33			10 59		22 44		22 42		21 32		22 28		4 32	1 15		-		21 52			5 55
S 15	13 39	15 40	1 44	4 35	0 28	10 31	-	22 48		22 41	-	21 32	1 1/	22 28	0 1	4 32	1 15	24 6	4 14	21 39	21 53	18 32	1/ 32	5 55
S 16	13 40		2 48			10 3	-	22 52		22 40	-	21 32		22 28	-	4 33					21 53			5 56
M17	13 20		3 42		0 46	9 35	-	22 56		22 38	0 1			22 28	-	4 34	1 15				21 54			5 56
T 18 W19	13 1 12 41	0n 6 5 26	4 24 4 53		0 55 1 5	9 6 8 38	1 25 1 24			22 37 22 36	0 1			22 29 22 29	-	4 34 4 35	1 15 1 15				21 54 21 55			5 57 5 57
T 20		10 28	5 8		1 14	8 9	1 24			22 35	0 1			22 29	-	4 35	1 15				21 55			5 58
F 21	12 2	-	5 9	-	1 24	7 39		23 10			0 1			22 29		4 36	1 15	-			21 56			5 58
S 22	11 41	-	4 57	0 7	1 33	7 10		23 13		22 32	0 1			22 29		4 37	1 15				21 56	-		5 59
S 23	11 21	22 14	4 33	0 s29	1 43	6 40	1 21	23 16	0 4	22 31	0 1	21 33	1 15	22 30	0 1	4 37	1 15	24 5	4 14	21 44	21 57	18 48	17 27	5 59
M24	11 0	24 30	3 56	1 3	1 52	6 11	1 20	23 18	0 3	22 30	0 2	21 34	1 15	22 30	0 1	4 38	1 15	24 4	4 15	21 44	21 57	18 50	17 26	5 59
T 25		25 41	3 9	1 0,	2 1	5 41		23 21	0 2	22 28	0 2	_	1 15		-	4 38	1 15				21 57			6 0
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M31	8n32	7n19	3 s23	4s36	2 s 5 6	2n38	1n12	23n32	Un 4	22n20	Un 2	21 s35	1n14	22n31	0s 1	4 s42	1815	24n 3	4n16	∠1 s45	22 s 0	19n 3	1/n22	6s 3

 $\label{eq:Julian Day Number = 2339628.5, Delta T = 16.79 sec} \\ Ecliptic obliquity = 23°28'48, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°27'47, Lahiri = 19°34'47Greg. Calendar$

SEPTEMBER 1693 GC 00:00 UT

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T 1	22 43 17	9 m) 6'59	17 m)15	5 ₾ 29	27 Mg 22	29∏22	179554	16 ₹ 41	14 I 7	21°R 1	1 N 21	21°R26	19 궁 50	8 8 54	499 7	T 1
W 2	22 47 13	10° 5'14	1 ≏ 51	6° 7	28°36	29°58	18° 5	16°42	14° 7	20 米 59	1°23	21 궁 19	19°46	9° 0	4°10	W 2
T 3	22 51 10	11° 3'30	16°35	6°42	29°50	0ഇ34	18°16	16°43	14° 8	20°58	1°24	21°11	19°43	9° 7	4°14	T 3
F 4	22 55 6	12° 1'49	1 M .16	7°12	1 <u> </u>	1°11	18°26	16°45	14° 9	20°56	1°26	21° 4	19°40	9°14	4°17	F 4
S 5	22 59 3	13° 0'09	15°50	7°38	2°18	1°46	18°36	16°46	14°10	20°54	1°27	21° 0	19°37	9°21	4°20	S 5
S 6	23 3 0	13°58'30	0 √ 11	7°59	3°32	2°22	18°47	16°48	14°11	20°53	1°28	20°57	19°34	9°27	4°23	S 6
M 7	23 6 56	14°56'53	14°17	8°15	4°46	2°58	18°57	16°49	14°11	20°51	1°30	20°D56	19°31	9°34	4°26	M 7
T 8	23 10 53	15°55'18	28° 6	8°24	6° 0	3°33	19° 7	16°51	14°12	20°49	1°31	20°56	19°27	9°41	4°29	T 8
W 9	23 14 49	16°53'44	11 る 40	8°R28	7°14	4° 9	19°17	16°53	14°12	20°48	1°32	20°57	19°24	9°47	4°32	W 9
T 10	23 18 46	17°52'12	24°59	8°26	8°28	4°44	19°27	16°55	14°13	20°46	1°33	20°R57	19°21	9°54	4°35	T 10
F 11	23 22 42	18°50'42	8≈ 4	8°17	9°42	5°19	19°36	16°57	14°13	20°44	1°35	20°56	19°18	10° 1	4°38	F 11
S 12	23 26 39	19°49'13	20°58	8° 2	10°56	5°54	19°46	16°59	14°14	20°43	1°36	20°52	19°15	10° 8	4°41	S 12
S 13	23 30 36	20°47'46	3) (41	7°39	12°10	6°28	19°56	17° 1	14°14	20°41	1°37	20°46	19°12	10°14	4°44	S 13
M14	23 34 32	21°46'20	16°13	7°10	13°24	7° 3	20° 5	17° 4	14°14	20°40	1°38	20°37	19°8	10°21	4°46	M14
T 15	23 38 29	22°44'57	28°35	6°33	14°38	7°37	20°14	17° 6	14°15	20°38	1°39	20°26	19° 5	10°28	4°49	T 15
W16	23 42 25	23°43'36	10 ℃ 47	5°50	15°52	8°11	20°24	17° 9	14°15	20°36	1°41	20°15	19° 2	10°34	4°51	W16
T 17	23 46 22	24°42'16	22°51	5° 1	17° 6	8°46	20°33	17°11	14°15	20°35	1°42	20° 3	18°59	10°41	4°53	T 17
F 18	23 50 18	25°40'59	4 8 47	4° 5	18°20	9°19	20°42	17°14	14°15	20°33	1°43	19°52	18°56	10°48	4°56	F 18
S 19	23 54 15	26°39'44	16°39	3° 5	19°34	9°53	20°51	17°17	14°R15	20°31	1°44	19°43	18°52	10°54	4°58	S 19
S 20	23 58 11	27°38'31	28°29	2° 2	20°47	10°27	20°59	17°19	14°15	20°30	1°45	19°37	18°49	11° 1	5° 0	S 20
M21	0 2 8	28°37'21	10 Ⅱ 21	0°56	22° 1	11° 0	21° 8	17°22	14°15	20°28	1°46	19°33	18°46	11° 8	5° 2	M21
T 22	0 6 4	29°36'13	22°20	29 m 49	23°15	11°33	21°16	17°25	14°15	20°26	1°47	19°31	18°43	11°15	5° 4	T 22
W23	0 10 1	0 ≏ 35'07	4931	28°43	24°29	12° 6	21°25	17°28	14°15	20°25	1°48	19°D31	18°40	11°21	5° 6	W23
T 24	0 13 58	1°34'03	16°59	27°40	25°43	12°39	21°33	17°32	14°14	20°23	1°49	19°R31	18°37	11°28	5° 8	T 24
F 25	0 17 54	2°33'02	29°49	26°40	26°57	13°12	21°41	17°35	14°14	20°21	1°50	19°31	18°33	11°35	5°10	F 25
S 26	0 21 51	3°32'03	13 Ω 5	25°47	28°11	13°44	21°49	17°38	14°14	20°20	1°51	19°29	18°30	11°41	5°11	S 26
S 27	0 25 47	4°31'06	26°49	25° 2	29°25	14°16	21°57	17°42	14°13	20°18	1°52	19°24	18°27	11°48	5°13	S 27
M28	0 29 44	5°30'11	11 Mg 3	24°25	0 M .38	14°48	22° 5	17°45	14°13	20°17	1°53	19°17	18°24	11°55	5°14	M28
T 29	0 33 40	6°29'19	25°41	23°57	1°52	15°20	22°12	17°49	14°12	20°15	1°54	1 <u>9°</u> 8	1 <u>8</u> °21	12° 2	5°16	T 29
W30	0 37 37	7 ≏ 28'28	10 ≏ 38	23 Mp 40	3M 6	159552	225520	17 × 753	14∏12	20) 13	1 Q 55	18 ප 57	18 궁 17	128 8	59517	W30

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T 1	8n10	1n 9 4s14	5s 0 3s 5	2n 8 1n11 23n3	4 0n 5	22n19	0n 2	21 s36	1n13	22n31	0 s 1	4 s 4 3 1	s15 24	n 3 4n16	21 s46	22 s 1	19n 5	17n22	6s 4
W 2	7 48	5s10 4 49	5 23 3 13	1 37 1 9 23 3	5 0 6	22 18	0 2	21 36	1 13	22 31	0 1	4 44 1	15 24	2 4 16	21 47	22 1	19 7	17 21	6 4
T 3	7 26	11 13 5 6	5 44 3 21	1 6 1 8 23 3	6 0 7	,	0 3			-	0 1	4 44 1	15 24		21 49			17 20	6 5
F 4	7 4	16 39 5 2	6 3 3 28	0 35 1 6 23 3		_	0 3			_	0 1	4 45 1	15 24		21 50		-,		6 5
S 5	6 41	21 3 4 38	6 20 3 35	0 4 1 4 23 3	8 0 9	22 14	0 3	21 37	1 13	22 31	0 1	4 46 1	15 24	2 4 16	21 50	22 3	19 13	17 19	6 6
S 6	6 19	24 6 3 58	6 34 3 42	0 s 2 7 1 3 2 3 3	8 0 11	22 13	0 3	21 37	1 12	22 31	0 1	4 46 1	15 24	2 4 16	21 51	22 3	19 15	17 18	6 6
M 7	5 56	25 35 3 4	6 45 3 47	0 58 1 1 23 3		22 11	0 3	21 38	1 12	22 32	0 1	4 47 1	15 24	2 4 16	21 51	22 4	19 17	17 18	6 7
T 8	5 34	25 27 1 59	6 54 3 52	1 29 0 59 23 3		22 10	0 3			_	-	4 48 1	15 24		21 51				6 7
W 9	5 11	23 47 0 50	6 59 3 56	2 0 0 57 23 3		22 9	0 3	21 38	1 12	_	0 1	4 48 1	15 24		21 51		.,		6 8
T 10	-	20 49 0n22	7 1 4 0	2 31 0 55 23 3			0 3		1 12	_		4 49 1	15 24		21 51				6 9
F 11	4 25	16 50 1 30	7 0 4 2	3 2 0 53 23 3			0 3		1 11	22 32		4 50 1	15 24		21 51		19 24		6 9
S 12	4 2	12 7 2 33	6 54 4 3	3 33 0 51 23 3	8 0 17	22 5	0 4	21 40	1 11	22 32	0 1	4 50 1	15 24	1 4 17	21 51	22 6	19 26	17 14	6 10
S 13	3 39	6 57 3 27	6 45 4 2	4 4 0 49 23 3	8 0 19	22 4	0 4	21 40	1 11	22 32	0 1	4 51 1	15 24	1 4 17	21 52	22 6	19 28	17 14	6 10
M14	3 16	1 36 4 10	6 32 4 1	4 35 0 47 23 3	7 0 20	22 2	0 4	21 40	1 11	22 32	0 1	4 52 1	15 24	1 4 18	21 54	22 7	19 30	17 13	6 11
T 15	2 53	3n44 4 41	6 14 3 57	5 5 0 45 23 3	7 0 21	22 1	0 4	21 41	1 11	22 32	0 1	4 52 1	15 24	1 4 18	21 55	22 7	19 32	17 12	6 12
W16	2 30	8 51 4 58	5 52 3 52	5 36 0 43 23 3	6 0 22	22 0	0 4	21 41	1 11	22 32	0 1	4 53 1	15 24	0 4 18	21 57	22 8	19 34	17 12	6 12
T 17	2 6	13 34 5 2	5 26 3 45	6 6 0 40 23	5 0 24	21 58	0 4	21 42	1 10	22 32	0 1	4 53 1	15 24	0 4 18	21 59	22 8	19 35	17 11	6 13
F 18	1 43	17 43 4 52	4 56 3 36	6 37 0 38 23 3	4 0 25	21 57	0 4	21 42	1 10	22 32	0 1	4 54 1	15 24	0 4 18	3 22 0	22 8	19 37	17 10	6 13
S 19	1 20	21 9 4 30	4 22 3 25	7 7 0 36 23 3	3 0 26	21 56	0 4	21 43	1 10	22 32	0 1	4 55 1	15 24	0 4 18	3 22 2	22 9	19 39	17 10	6 14
S 20	0 56	23 42 3 56	3 44 3 12	7 37 0 33 23 3	0 27	21 55	0 5	21 43	1 10	22 32	0 1	4 55 1	15 24	0 4 19	22 3	22 9	19 41	17 9	6 15
M21	0 33	25 12 3 12	3 5 2 57	8 7 0 31 23 3			0 5		1 10	_	0 1	4 56 1	15 24	-	_			17 8	6 15
T 22	0 9	25 34 2 19	2 23 2 41	8 37 0 28 23 2		21 52	0 5	21 44	1 9		0 1	4 57 1	15 24	0 4 19	22 3	-	19 45		6 16
W23	0s14	24 43 1 19	1 40 2 23	9 6 0 26 23 2	7 0 31	21 51	0 5	21 44	1 9	22 32	0 1	4 57 1	15 24	0 4 19	22 3	22 11	19 46	17 7	6 16
T 24		22 37 0 13	0 58 2 4			21 50	0 5	_	1 9				15 24	0 4 19	_				6 17
F 25		19 20 0s54	0 16 1 44			21 49	0 5	-	1 9		-		15 24	0 4 19			19 50		6 18
S 26	1 24	14 59 2 1	0n23 1 24	10 34 0 18 23 2	1 0 35	21 48	0 5	21 46	1 9	22 32	0 1	4 59 1	15 24	0 4 19	22 4	22 12	19 52	17 5	6 18
S 27	1 48	9 43 3 4	1 0 1 4	11 2 0 15 23	9 0 36	21 47	0 5	21 46	1 9	22 32	0 1	5 0 1	15 24	0 4 20	22 4	22 12	19 54	17 4	6 19
M28	2 11	3 47 3 57	1 33 0 44	11 31 0 13 23	7 0 38	21 45	0 6	21 47	1 8	22 32	0 1	5 1 1	15 24	0 4 20	22 5	22 13	19 55	17 3	6 20
T 29	2 35	2s30 4 36	2 2 0 24	11 59 0 10 23	5 0 39	21 44	0 6	21 47	1 8	22 32	0 1	5 1 1	15 24	0 4 20	22 7	22 13	19 57	17 3	6 20
W30	2 s58	8 s46 4 s57	2n27 0s 5	12 s27 On 7 23n	2 0n40	21n43	0n 6	21 s48	1n 8	22n32	0 s 1	5 s 2 1	s15 23	n59 4n20	22 s 8	22 s14	19n59	17n 2	6 s21

 $\label{eq:Julian Day Number = 2339659.5, Delta T = 16.76 sec} \\ Ecliptic obliquity = 23°28'49, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°27'51, Lahiri = 19°34'51Greg. Calendar$

OCTOBER 1693 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ď	4	ħ)∤(¥	Р	R	Ω	Ç	ķ	Day
T 1	0 41 33	8 ≏ 27'40	25 Ω 45	23°D33	4M-20	16923	22927	17 × 756	14°R11	20°R12	1 Ω 56	18°R46	18 3 14	12 8 15	59618	T 1
F 2	0 45 30	9°26'54	10 M .51	23 m 37	5°34	16°54	22°34	18° 0	14 I I11	20) 10	1°56	18 궁 36	18°11	12°22	5°19	F 2
S 3	0 49 27	10°26'09	25°46	23°51	6°47	17°25	22°41	18° 4	14°10	20° 9	1°57	18°28	18° 8	12°28	5°20	S 3
S 4	0 53 23	11°25'27	10 × ⁷ 23	24°16	8° 1	17°56	22°48	18° 8	14° 9	20° 7	1°58	18°22	18° 5	12°35	5°21	S 4
M 5	0 57 20	12°24'46	24°38	24°50	9°15	18°26	22°55	18°12	14° 8	20° 6	1°59	18°20	18° 2	12°42	5°22	M 5
T 6	1 1 16	13°24'08	8 국 29	25°33	10°29	18°56	23° 1	18°16	14° 8	20° 4	1°59	18°19	17°58	12°49	5°23	T 6
W 7	1 5 13	14°23'30	21°58	26°24	11°42	19°26	23° 8	18°21	14° 7	20° 3	2° 0	18°19	17°55	12°55	5°24	W 7
T 8	1 9 9	15°22'55	5≈ 7	27°23	12°56	19°56	23°14	18°25	14° 6	20° 1	2° 1	18°18	17°52	13° 2	5°24	T 8
F 9	1 13 6	16°22'21	17°58	28°29	14°10	20°26	23°20	18°29	14° 5	20° 0	2° 1	18°16	17°49	13° 9	5°25	F 9
S 10	1 17 2	17°21'49	0 ∺ 36	29°41	15°24	20°55	23°26	18°34	14° 4	19°58	2° 2	18°11	17°46	13°15	5°25	S 10
S 11	1 20 59	18°21'19	13° 3	0 ჲ 58	16°37	21°24	23°32	18°38	14° 3	19°57	2° 3	18° 3	17°43	13°22	5°26	S 11
M12	1 24 56	19°20'51	25°20	2°19	17°51	21°53	23°37	18°43	14° 1	19°56	2° 3	17°52	17°39	13°29	5°26	M12
T 13	1 28 52	20°20'24	7 Υ 30	3°45	19° 5	22°21	23°43	18°48	14° 0	19°54	2° 4	17°39	17°36	13°36	5°26	T 13
W14	1 32 49	21°20'00	19°33	5°13	20°18	22°49	23°48	18°53	13°59	19°53	2° 4	17°25	17°33	13°42	5°26	W14
T 15	1 36 45	22°19'38	1830	6°45	21°32	23°17	23°53	18°57	13°58	19°52	2° 5	17°10	17°30	13°49	5°R26	T 15
F 16	1 40 42	23°19'18	13°23	8°18	22°45	23°45	23°58	19° 2	13°56	19°50	2° 5	16°57	17°27	13°56	5°26	F 16
S 17	1 44 38	24°18'59	25°14	9°53	23°59	24°12	24° 3	19° 7	13°55	19°49	2° 6	16°46	17°23	14° 2	5°26	S 17
S 18	1 48 35	25°18'43	7 I I 4	11°30	25°13	24°39	24° 8	19°12	13°54	19°48	2° 6	16°37	17°20	14° 9	5°26	S 18
M19	1 52 31	26°18'30	18°56	13° 8	26°26	25° 6	24°12	19°17	13°52	19°46	2° 6	16°31	17°17	14°16	5°26	M19
T 20	1 56 28	27°18'18	0954	14°47	27°40	25°33	24°16	19°22	13°51	19°45	2° 7	16°29	17°14	14°23	5°25	T 20
W21 T 22	2 0 25 2 4 21	28°18'09 29°18'02	13° 3 25°27	16°26 18° 6	28°53 0 ∡ 7	25°59 26°25	24°20 24°24	19°28 19°33	13°49 13°48	19°44 19°43	2° 7 2° 7	16°D28 16°R28	17°11 17° 8	14°29 14°36	5°25 5°24	W21 T 22
F 23	2 4 21 2 8 18	29°18'02 0 M L17'57	8 Ω 11	19°46	1°20	26°25 26°50	24°24 24°28	19°33	13°48 13°46	19°43	2° 8	16°K28	17° 8	14°36 14°43	5°23	F 23
S 24	2 12 14	1°17'54	21°21	21°26	2°34	20°16	24°32	19°44	13°44	19°40	2° 8	16°26	17° 1	14°49	5°23	S 24
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S 25	2 16 11	2°17'54	5 m) 0 19° 9	23° 6	3°47 5° 1	27°41	24°35	19°49	13°43	19°39 19°38	2° 8 2° 8	16°22	16°58	14°56	5°22	S 25
M26 T 27	2 20 7 2 24 4	3°17'55 4°17'59	19° 9 3 ≏ 46	24°46 26°26	6°14	28° 5 28°29	24°38 24°41	19°55 20° 0	13°41 13°39	19°38 19°37	2° 8 2° 9	16°16 16° 7	16°55 16°52	15° 3 15° 9	5°21 5°20	M26 T 27
W28	2 24 4	5°18'05	18°48	28° 6	7°27	28°53	24°44	20° 6	13°37	19°36	2° 9	15°57	16°48	15°16	5°19	W28
T 29	2 31 57	6°18'12	4M 4	29°46	8°41	29°17	24°47	20°12	13°36	19°35	2° 9	15°46	16°45	15°23	5°17	T 29
F 30	2 35 53	7°18'22	19°23	1 m .25	9°54	29°40	24°49	20°17	13°34	19°34	2° 9	15°37	16°42	15°30	5°16	F 30
S 31	2 39 50	8M18'34	4 ₹ 35	3M 4	11 % 8	oΩ 2	24951	20 × 23	13Ⅲ32	19 ∺ 33	2 N 9	15 ට 29	16 පි 39	15 8 36	59915	S 31

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S 4 M 5 T 6 W 7 T 8 F 9	4 32 4 55 5 18 5 41 6 4 6 27	25 24 2 2 24 4 0 52 21 22 0n19 17 36 1 27	3 9 1 3 3 2 1 2 2 50 1 3 2 34 1 4	11 14 42 0 6 22 15 8 0 9 32 15 34 0 12 40 15 59 0 15	23 0 0 47 22 57 0 49 22 54 0 50 22 51 0 52	21 39 0 6 21 38 0 6 21 37 0 7 21 36 0 7 21 35 0 7 21 34 0 7	21 50 1 7 21 51 1 7 21 51 1 7 21 52 1 7	22 31 0 1 22 31 0 1	5 4 1 15 5 5 1 15 5 5 1 15 5 6 1 15 5 7 1 15 5 7 1 15	23 59 4 21 23 59 4 21 23 59 4 21 23 59 4 22	22 14 22 1	5 20 8 16 59	6 24 6 25 6 25 6 26
S 10 S 11 M12 T 13 W14 T 15	6 50 7 12 7 35 7 58 8 20 8 42	8 6 3 23 2 53 4 6 2n23 4 37 7 29 4 55 12 16 4 59	1 50 1 5	52 16 49 0 21 56 17 13 0 24 59 17 36 0 26 1 17 59 0 29 2 18 22 0 32	22 45 0 55 22 42 0 56 22 39 0 58	21 34 0 7 21 33 0 7 21 32 0 7 21 31 0 7 21 30 0 8	21 53 1 6 21 54 1 6 21 54 1 6 21 55 1 6 21 55 1 6	22 31 0 1 22 31 0 1 22 31 0 1 22 31 0 1 22 30 0 1	5 8 1 15 5 8 1 15 5 9 1 15 5 9 1 15 5 10 1 15 5 10 1 15	24 0 4 22 24 0 4 22 24 0 4 22 24 0 4 23 24 0 4 23	22 15 22 18 22 16 22 18 22 17 22 19 22 19 22 19 22 21 22 20	3 20 16 16 55 8 20 18 16 55 9 20 20 16 54 9 20 21 16 53 0 20 23 16 53 0 20 25 16 52	6 27 6 28 6 28 6 29
F 16 S 17 S 18	9 5 9 27	20 9 4 29 22 55 3 56 24 41 3 12	1 27 2 2 6 1 5 2 46 1 5	1 19 6 0 38 59 19 28 0 41 57 19 48 0 44	22 27 1 4 22 23 1 6 22 20 1 7	21 29 0 8 21 28 0 8 21 27 0 8	21 56 1 5 21 57 1 5 21 57 1 5	22 30 0 1 22 30 0 1 22 30 0 1	5 11 1 15 5 11 1 15 5 12 1 15	24 0 4 23 24 0 4 23 24 0 4 23	22 24 22 20 22 26 22 2 22 27 22 2	20 26 16 51 1 20 28 16 51 1 20 30 16 50	6 31 6 32 6 32
M19 T 20 W21 T 22 F 23 S 24	10 32 10 53 11 15 11 36	24 50 1 21 23 8 0 18 20 19 0s47	4 8 1 4 4 49 1 4 5 31 1 4 6 14 1 3	51 20 28 0 49 47 20 48 0 52 43 21 6 0 55 38 21 24 0 58	22 14 1 11 22 10 1 12	21 26 0 9 21 25 0 9 21 25 0 9	21 59 1 5 21 59 1 5 22 0 1 5 22 0 1 4	22 29 0 1 22 29 0 1 22 29 0 1 22 29 0 1	5 12 1 15 5 13 1 15 5 13 1 15 5 14 1 15 5 14 1 15 5 15 1 15	24 0 4 24 24 0 4 24 24 0 4 24 24 1 4 24	22 28 22 22 22 28 22 22 22 28 22 22 22 28 22 22	2 20 31 16 49 2 20 33 16 49 2 20 35 16 48 3 20 36 16 48 3 20 38 16 47 4 20 40 16 46	6 34 6 35 6 35
S 25 M26 T 27 W28 T 29 F 30 S 31		0 11 4 29 6s 1 4 55 12 1 5 2 17 23 4 47 21 38 4 12	8 20 1 2 9 2 1 1 9 43 1 1 10 24 1 11 4 0 5	23 22 15 1 6 17 22 31 1 9	21 54 1 21 21 51 1 23 21 48 1 25 21 45 1 27 21 42 1 28	21 23 0 10 21 22 0 10 21 22 0 10 21 22 0 10	22 2 1 4 22 2 1 4 22 3 1 4 22 4 1 4	22 28 0 1 22 28 0 1 22 28 0 1 22 28 0 0 22 27 0 0	5 17 1 15	24 1 4 25 24 1 4 25 24 1 4 25 24 1 4 26 24 2 4 26	22 29 22 24 22 30 22 25 22 32 22 25 22 33 22 26 22 34 22 26	4 20 41 16 46 4 20 43 16 45 5 20 44 16 45 5 20 46 16 44 6 20 48 16 44 6 20 49 16 43 5 20n51 16n42	6 37 6 38 6 39 6 39 6 40

Julian Day Number = 2339689.5, Delta T = 16.72 sec Ecliptic obliquity = 23°28'48, Nutation = $0^\circ00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^\circ27'55$, Lahiri = $19^\circ34'56$ Greg. Calendar

NOVEMBER 1693 GC 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)Å(¥	Р	ß	Ω	Ç	Š	Day
S 1	2 43 47	9 M 18'47	19 × 29	4MJ42	12 × 21	$0\Omega_{25}$	24953	20 х 29	13°R30	19°R32	2 N 9	15°R24	16 궁 36	15 8 43	5°R13	S 1
M 2	2 47 43	10°19'02	3 る 59	6°20	13°34	0°47	24°55	20°35	13 Ⅱ 28	19) (31	2°R 9	15 云 21	16°33	15°50	59512	M 2
T 3	2 51 40	11°19'18	18° 1	7°58	14°48	1°8	24°57	20°41	13°26	19°30	2° 9	15°D21	16°29	15°56	5°10	T 3
W 4	2 55 36	12°19'36	1≈36	9°36	16° 1	1°29	24°58	20°47	13°24	19°29	2° 9	15°21	16°26	16° 3	5° 8	W 4
T 5	2 59 33	13°19'55	14°47	11°13	17°14	1°50	25° 0	20°53	13°22	19°29	2° 9	15°R22	16°23	16°10	5° 7	T 5
F 6	3 3 29	14°20'16	27°35	12°49	18°28	2°10	25° 1	20°59	13°20	19°28	2° 9	15°21	16°20	16°17	5° 5	F 6
S 7	3 7 26	15°20'38	10 ∺ 7	14°26	19°41	2°30	25° 2	21° 5	13°17	19°27	2° 9	15°18	16°17	16°23	5° 3	S 7
S 8	3 11 23	16°21'01	22°24	16° 2	20°54	2°49	25° 2	21°11	13°15	19°26	2° 9	15°12	16°14	16°30	5° 1	S 8
M 9	3 15 19	17°21'26	4 Υ32	17°38	22° 7	3° 8	25° 3	21°18	13°13	19°26	2° 8	15° 4	16°10	16°37	4°59	M 9
T 10	3 19 16	18°21'52	16°33	19°13	23°20	3°27	25° 3	21°24	13°11	19°25	2° 8	14°54	16° 7	16°43	4°57	T 10
W11	3 23 12	19°22'20	28°28	20°48	24°33	3°44	25°R 3	21°30	13° 9	19°24	2° 8	14°43	16° 4	16°50	4°54	W11
T 12	3 27 9	20°22'49	10821	22°23	25°46	4° 2	25° 3	21°37	13° 6	19°24	2° 8	14°32	16° 1	16°57	4°52	T 12
F 13	3 31 5	21°23'20	22°12	23°58	26°59	4°19	25° 3	21°43	13° 4	19°23	2° 7	14°21	15°58	17° 3	4°50	F 13
S 14	3 35 2	22°23'52	4 I I 4	25°33	28°12	4°35	25° 2	21°49	13° 2	19°23	2° 7	14°13	15°54	17°10	4°47	S 14
S 15	3 38 58	23°24'26	15°57	27° 7	29°25	4°51	25° 1	21°56	12°59	19°22	2° 7	14° 6	15°51	17°17	4°45	S 15
M16	3 42 55	24°25'02	27°55	28°41	0 궁 38	5° 7	25° 1	22° 2	12°57	19°22	2° 6	14° 3	15°48	17°24	4°42	M16
T 17	3 46 52	25°25'39	9 95 58	0 , 715	1°51	5°22	24°59	22° 9	12°55	19°21	2° 6	14°D 1	15°45	17°30	4°39	T 17
W18	3 50 48	26°26'18	22°11	1°48	3° 4	5°36	24°58	22°15	12°52	19°21	2° 6	14° 1	15°42	17°37	4°37	W18
T 19	3 54 45	27°26'58	4Ω 37	3°22	4°17	5°50	24°57	22°22	12°50	19°20	2° 5	14° 2	15°39	17°44	4°34	T 19
F 20	3 58 41	28°27'41	17°21	4°55	5°30	6° 3	24°55	22°29	12°47	19°20	2° 5	14° 4	15°35	17°50	4°31	F 20
S 21	4 2 38	29°28'24	0 m 25	6°28	6°42	6°16	24°53	22°35	12°45	19°20	2° 4	14°R 4	15°32	17°57	4°28	S 21
S 22	4 6 34	0 ≯ 29'09	13°55	8° 2	7°55	6°28	24°51	22°42	12°42	19°19	2° 4	14° 3	15°29	18° 4	4°25	S 22
M23	4 10 31	1°29'56	27°52	9°35	9° 8	6°39	24°49	22°49	12°40	19°19	2° 3	14° 1	15°26	18°10	4°22	M23
T 24	4 14 27	2°30'45	12 ≏ 16	11° 8	10°20	6°50	24°46	22°56	12°37	19°19	2° 3	13°56	15°23	18°17	4°19	T 24
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T 26	4 22 21	4°32'26	12 M 9	14°13	12°46	7° 9	24°41	23° 9	12°32	19°19	2° 1	13°44	15°16	18°31	4°12	T 26
F 27	4 26 17	5°33'19	27°24	15°46	13°58	7°18	24°38	23°16	12°30	19°18	2° 1	13°38	15°13	18°37	4° 9	F 27
S 28	4 30 14	6°34'13	12 × 36	17°18	15°11	7°26	24°34	23°23	12°27	19°18	2° 0	13°34	15°10	18°44	4° 5	S 28
S 29	4 34 10	7°35'08	27°37	18°51	16°23	7°34	24°31	23°30	12°25	19°18	2° 0	13°31	15° 7	18°51	4° 2	S 29
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W11	17 36	15 33 4	56 18 2	0 0	21 25 6	1 44 2	1 10	1 52	21 21	0 12	22 11	1 2	22 25	0 0	5 20	1 14	24 4	4 28	22 40	22 31	21 8	16 37	6 47
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M16	18 54	24 54 1	26 20 4	6 0	53 25 22	1 53 2	1 1	2 3	21 22	0 13	22 13	1 1	22 23	0 0	5 21	1 14	24 5	4 29	22 44	22 33	21 15	16 35	6 49
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F 20					17 25 21		20 56		21 24		22 15	1 1	22 22		-	1 14					21 21		6 51
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M23	20 30	3 s42 4	58 23 2	7 1	33 25 13	2 3 2	0 53	2 19	21 26	0 14	22 16	1 1	22 21	0 0	5 22	1 14	24 7	4 30	22 44	22 35	21 26	16 32	6 53
T 24	20 42	9 36 5	10 23 4	5 1	38 25 8	2 4 2	0 53	2 22	21 26	0 14	22 17	1 1	22 21	0 0	5 22	1 14	24 7	4 30	22 45	22 35	21 27	16 32	6 53
W25	20 54	15 7 5	2 24	3 1	42 25 3	2 5 2	0 53	2 24	21 27	0 14	22 17	1 1	22 20	0 0	5 22	1 14	24 8	4 30	22 46	22 36	21 29	16 31	6 53
T 26	21 5	19 50 4	33 24 1	9 1	47 24 58	2 6 2	0 53	2 27	21 28	0 14	22 18	1 0	22 20	0 0	5 22	1 14	24 8	4 31	22 46	22 36	21 30	16 31	6 54
	21 16	23 15 3	45 24 3	3 1	51 24 51	2 7 2	20 53	2 29	21 28	0 14	22 18	1 0	22 20	0 0	5 22	1 14	24 8	4 31	22 47	22 37	21 31	16 31	6 54
S 28	21 27	25 0 2	40 24 4	7 1	55 24 44	2 8 2	20 53	2 32	21 29	0 15	22 19	1 0	22 19	0 0	5 22	1 14	24 9	4 31	22 47	22 37	21 33	16 30	6 55
S 29	21 37	24 53 1	26 24 5	9 1	59 24 36	2 9 2	0 54	2 34	21 30	0 15	22 19	1 0	22 19	0 0	5 22	1 14	24 9	4 31	22 48	22 37	21 34	16 30	6 55
M30	21 s46	23 s 1 0 s	s 7 25 s1	0 25	s 2 24s27	2s 9 2	20n54		21n31		22 s 19		22n19	0s 0		1 s14	24n 9					16n30	6 s 5 5

 $\label{eq:Julian Day Number = 2339720.5, Delta T = 16.69 sec} \\ Ecliptic obliquity = 23°28'47, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°27'59, Lahiri = 19°35'00Greg. Calendar$

DECEMBER 1693 GC 00:00 UT

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T 3	4 49 56	11°38'57	23°37	24°59	21°12	7°56	24°15	23°58	12°15	19°18	1°57	13°34	14°54	19°17	3°48	T 3
F 4	4 53 53	12°39'56	6) €31	26°30	22°24	8° 0	24°11	24° 4	12°12	19°19	1°56	13°35	14°51	19°24	3°44	F 4
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S 6	5 1 46	14°41'55	1 Υ 21	29°32	24°48	8° 6	24° 2	24°18	12° 7	19°19	1°54	13°33	14°45	19°38	3°37	S 6
M 7	5 5 43	15°42'56	13°26	1る3	26° 0	8° 7	23°57	24°25	12° 4	19°19	1°53	13°31	14°41	19°44	3°33	M 7
T 8	5 9 39	16°43'57	25°22	2°33	27°12	8° 8	23°52	24°32	12° 2	19°19	1°52	13°27	14°38	19°51	3°29	T 8
W 9	5 13 36	17°44'59	7 8 14	4° 2	28°24	8°R 8	23°46	24°40	11°59	19°20	1°52	13°22	14°35	19°58	3°25	W 9
T 10	5 17 32	18°46'02	19° 4	5°30	29°36	8° 7	23°41	24°47	11°57	19°20	1°51	13°18	14°32	20° 4	3°22	T 10
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M14	5 33 19	22°50'18	7 95 0	11°13	4°22	7°56	23°18	25°15	11°47	19°22	1°47	13° 7	14°19	20°31	3° 6	M14
T 15	5 37 15	23°51'23	19°16	12°35	5°33	7°51	23°12	25°22	11°44	19°22	1°46	13°D 7	14°16	20°38	3° 2	T 15
W16	5 41 12	24°52'30	1 Ω 42	13°55	6°44	7°46	23° 6	25°29	11°42	19°23	1°45	13° 8	14°13	20°45	2°58	W16
T 17	5 45 8	25°53'36	14°20	15°12	7°55	7°39	22°59	25°36	11°39	19°23	1°44	13° 9	14°10	20°51	2°54	T 17
F 18	5 49 5	26°54'44	27°13	16°27	9° 6	7°32	22°53	25°43	11°37	19°24	1°43	13°10	14° 6	20°58	2°50	F 18
S 19	5 53 1	27°55'52	10 m 22	17°38	10°17	7°24	22°46	25°50	11°34	19°25	1°42	13°11	14° 3	21° 5	2°46	S 19
S 20	5 56 58	28°57'00	23°49	18°44	11°28	7°15	22°39	25°57	11°32	19°25	1°40	13°R12	14° 0	21°11	2°42	S 20
M21	6 0 54	29°58'09	7 ≙ 37	19°47	12°39	7° 5	22°32	26° 4	11°30	19°26	1°39	13°12	13°57	21°18	2°37	M21
T 22	6 4 51	0 ප් 59'19	21°45	20°43	13°49	6°54	22°25	26°11	11°27	19°27	1°38	13°11	13°54	21°25	2°33	T 22
W23	6 8 48	2° 0'30	6M 12	21°34	15° 0	6°43	22°18	26°18	11°25	19°27	1°37	13°10	13°51	21°31	2°29	W23
T 24	6 12 44	3° 1'41	20°54	22°18	16°10	6°30	22°11	26°25	11°23	19°28	1°36	13° 9	13°47	21°38	2°25	T 24
F 25	6 16 41	4° 2'52	5 √ 146	22°53	17°20	6°17	22° 4	26°32	11°20	19°29	1°35	13° 8	13°44	21°45	2°21	F 25
S 26	6 20 37	5° 4'04	20°40	23°20	18°31	6° 3	21°56	26°40	11°18	19°30	1°34	13° 7	13°41	21°51	2°17	S 26
S 27	6 24 34	6° 5'16	5 궁 29	23°38	19°41	5°49	21°49	26°47	11°16	19°31	1°32	13° 6	13°38	21°58	2°13	S 27
M28	6 28 30	7° 6'28	20° 4	23°R44	20°51	5°33	21°41	26°54	11°14	19°32	1°31	13°D 6	13°35	22° 5	2° 9	M28
T 29	6 32 27	8° 7'40	4≈20	23°40	22° 0	5°17	21°34	27° 1	11°11	19°33	1°30	13° 7	13°32	22°12	2° 5	T 29
W30	6 36 24	9° 8'52	18°12	23°23	23°10	5° 0	21°26	27° 8	11° 9	19°34	1°29	13° 7	13°28	22°18	2° 1	W30
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S 12 S 13 M14 T 15 W16 T 17 F 18	23 10 23 14 23 17 23 20 23 23 23 25 23 27	25 0 2 39 25 2 1 39 23 51 0 34 21 32 0s34 18 11 1 41 13 56 2 44 9 0 3 40	25 26 25 18 25 8 24 57 24 44 24 31 24 16	2 14 21 51 2 12 21 34 2 8 21 16 2 5 20 58 2 0 20 39 1 55 20 19 1 48 19 59	2 9 21 19 2 8 21 22 2 8 21 26 2 7 21 30 2 6 21 34 2 5 21 38 2 3 21 43	3 8 3 11 3 14 3 16 3 19 3 22 3 24	21 43 21 44 21 45 21 46 21 47 21 49 21 50	0 17 0 17 0 17 0 18 0 18 0 18 0 18	22 24 22 25 22 25 22 25 22 25 22 26 22 26	0 59 0 59 0 59 0 59 0 59 0 59 0 59	22 15 22 15 22 14 22 14 22 14 22 13 22 13	0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 21 1 13 5 21 1 13 5 20 1 13 5 19 1 13	24 14 4 33 24 14 4 34 24 15 4 34 24 15 4 34 24 15 4 34 24 15 4 34 24 16 4 34	22 50 22 50 22 50 22 50 22 50 22 50 22 50 22 50	22 42 22 43 22 43 22 43 22 44 22 44	21 52 21 53 21 55 21 56 21 57 21 59 22 0	16 27 6 16 27 7 16 27 7 16 27 7 16 27 7 16 27 7 16 27 7	59 59 0 0 0 0
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T 29 W30	23 20 23 17 23 14 23 10 23 s 5	21 20 0n39 17 21 1 55 12 30 3 3	21 29 21 11 20 54 20 38 20 s23	0n13 16 14 0 31 15 49 0 50 15 24	1 47 22 31 1 45 22 37 1 43 22 44 1 40 22 50 1 s37 22n57	3 47 3 50 3 52 3 54 3n57	22 3 22 4	0 20 0 20 0 20	22 28 22 28 22 29 22 29 22 s29	0 58 0 58 0 58	22 10 22 10 22 10 22 9 22n 9	0 0 0 0 0 0	5 16 1 13 5 16 1 13 5 15 1 13	24 20 4 36 24 20 4 36 24 21 4 36	5 22 50 5 22 50 6 22 50 6 22 50 6 22 s50	22 47 22 47 22 48	22 13 22 14 22 15	16 27 7 16 27 7 16 27 7	1 1 1 1 3 1

Julian Day Number = 2339750.5, Delta T = 16.65 sec Ecliptic obliquity = 23°28'47, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°28'03, Lahiri = 19°35'04Greg. Calendar