

Astrodienst Ephemeris Tables for the year 1688

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 1688 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	ಬ	Ç	Ŗ	Day
T 1	6 42 6	10る37'28	9 х 26	2°R19	28M 5	3Υ 17	6 ප 40	24 <u>₽</u> 7	14°R54	6) €27	22°R55	10°R52	9 8 26	18 m)19	17°R54	T 1
F 2	6 46 2	11°38'40	22°59	1 ට 16	28°46	3°56	6°54	24°11	14 8 53	6°29	22953	10846	9°23	18°26	17 8 52	F 2
S 3	6 49 59	12°39'52	6 궁 55	0°21	29°27	4°34	7° 8	24°14	14°52	6°30	22°52	10°38	9°20	18°33	17°51	S 3
S 4	6 53 55	13°41'03	21°11	29 × ⁷ 36	0 ₹ 10	5°13	7°22	24°17	14°51	6°32	22°51	10°27	9°17	18°39	17°49	S 4
M 5	6 57 52	14°42'15	5≈41	29° 1	0°54	5°52	7°36	24°20	14°50	6°33	22°50	10°17	9°13	18°46	17°48	M 5
T 6	7 1 48	15°43'26	20°18	28°36	1°39	6°31	7°50	24°23	14°49	6°35	22°48	10° 6	9°10	18°53	17°46	T 6
W 7	7 5 45	16°44'36	4) (55	28°20	2°25	7° 9	8° 3	24°25	14°49	6°37	22°47	9°58	9° 7	18°59	17°45	W 7
T 8	7 9 42	17°45'46	19°25	28°D14	3°12	7°48	8°17	24°28	14°48	6°38	22°46	9°53	9° 4	19° 6	17°44	T 8
F 9	7 13 38	18°46'55	3 ℃ 43	28°17	3°59	8°27	8°31	24°31	14°47	6°40	22°44	9°50	9° 1	19°13	17°43	F 9
S 10	7 17 35	19°48'03	17°49	28°27	4°48	9° 6	8°45	24°33	14°46	6°42	22°43	9°D49	8°57	19°19	17°42	S 10
S 11	7 21 31	20°49'11	1840	28°45	5°37	9°45	8°59	24°36	14°46	6°43	22°42	9°49	8°54	19°26	17°41	S 11
M12	7 25 28	21°50'18	15°18	29°10	6°28	10°24	9°12	24°38	14°45	6°45	22°40	9°R49	8°51	19°33	17°40	M12
T 13	7 29 24	22°51'24	28°43	29°41	7°19	11° 3	9°26	24°40	14°45	6°47	22°39	9°47	8°48	19°39	17°39	T 13
W14	7 33 21	23°52'29	11 II 57	0 궁 18	8°10	11°42	9°40	24°42	14°44	6°49	22°38	9°44	8°45	19°46	17°38	W14
T 15	7 37 17	24°53'33	25° 0	0°59	9° 3	12°21	9°53	24°44	14°44	6°50	22°36	9°37	8°42	19°53	17°37	T 15
F 16	7 41 14	25°54'37	7953	1°46	9°56	13° 0	10° 7	24°46	14°43	6°52	22°35	9°27	8°38	20° 0	17°37	F 16
S 17	7 45 11	26°55'40	20°35	2°36	10°50	13°39	10°21	24°48	14°43	6°54	22°34	9°14	8°35	20° 6	17°36	S 17
S 18	7 49 7	27°56'42	3 N 6	3°30	11°44	14°18	10°34	24°50	14°43	6°56	22°32	9° 1	8°32	20°13	17°35	S 18
M19	7 53 4	28°57'44	15°25	4°27	12°39	14°57	10°48	24°51	14°43	6°58	22°31	8°46	8°29	20°20	17°35	M19
T 20	7 57 0	29°58'44	27°34	5°28	13°35	15°36	11° 1	24°53	14°43	7° 0	22°30	8°33	8°26	20°26	17°34	T 20
W21	8 0 57	0≈59'44	9 m /34	6°31	14°31	16°15	11°15	24°54	14°42	7° 1	22°28	8°22	8°23	20°33	17°34	W21
T 22	8 4 53	2° 0'44	21°26	7°37	15°28	16°55	11°29	24°55	14°42	7° 3	22°27	8°13	8°19	20°40	17°34	T 22
F 23	8 8 50	3° 1'42	3 ₽ 15	8°44	16°25	17°34	11°42	24°57	14°D42	7° 5	22°26	8° 7	8°16	20°46	17°34	F 23
S 24	8 12 46	4° 2'40	15° 4	9°54	17°23	18°13	11°55	24°58	14°42	7° 7	22°25	8° 4	8°13	20°53	17°33	S 24
S 25	8 16 43	5° 3'37	26°58	11° 6	18°22	18°52	12° 9	24°59	14°43	7° 9	22°23	8° 3	8°10	21° 0	17°33	S 25
M26	8 20 40	6° 4'33	9M 3	12°20	19°20	19°31	12°22	25° 0	14°43	7°11	22°22	8° 3	8° 7	21° 6	17°D33	M26
T 27	8 24 36	7° 5'29	21°23	13°35	20°20	20°11	12°35	25° 0	14°43	7°13	22°21	8° 2	8° 3	21°13	17°33	T 27
W28	8 28 33	8° 6'24	4 √ 5	14°52	21°19	20°50	12°49	25° 1	14°43	7°15	22°19	8° 1	8° 0	21°20	17°33	W28
T 29	8 32 29	9° 7'18	17°13	16°10	22°19	21°29	13° 2	25° 2	14°44	7°17	22°18	7°57	7°57	21°27	17°34	T 29
F 30	8 36 26	10° 8'12	0 조 49	1 <u>7</u> °30	23°20	22° 8	1 <u>3</u> °15	25° 2	14°44	7°20	22°17	7°50	7°54	21°33	17°34	F 30
S 31	8 40 22	11≈ 9'04	14 る 54	18 ට 51	24 × ⁷ 21	22 Y 48	13 る 28	25 ♀ 2	14844	7 ∺ 22	22916	7 8 40	7 8 51	21 Mp 40	17 8 34	S 31

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T 1 F 2 S 3	23 s 3 22 58 22 53	26 42 3 25		5 15 46 4 15	1 30 0 4	23 s17 On 2 23 17 O 1 23 16 O 1	7s 5 2n27 7 6 2 27 7 7 2 28		9 58 0 52	23 34 2 3	15n 7 14n40 15 5 14 39 15 2 14 38	8n19 14n18 3 s 1 8 16 14 18 3 1 8 13 14 17 3 1
S 4 M 5 T 6 W 7 T 8	22 40	23 45 5 2 19 27 4 58 13 59 4 35		5 16 10 4 18 2 16 18 4 18 7 16 27 4 19	2 20 0 0 2 36 0n 1 2 53 0 2	23 15 0 1 23 15 0 1 23 14 0 1 23 13 0 1 23 12 0 1	7 8 2 28 7 9 2 28 7 10 2 28 7 11 2 29 7 11 2 29	16 0 0 20 16 0 0 20 15 59 0 20	9 56 0 52 9 55 0 52 9 55 0 52	23 35 2 3 23 35 2 4 23 35 2 4	14 52 14 35 14 50 14 34	8 9 14 17 3 0 8 6 14 17 3 0 8 3 14 16 3 0 8 0 14 16 3 0 7 57 14 16 3 0
F 9 S 10 S 11	22 10 22 1 21 52	1 15 2 59 5n15 1 54 11 24 0 43	20 35 2 5 20 43 2 4 20 51 2 3	34 16 45 4 18 46 16 54 4 18 47 17 3 4 17	3 25 0 4 3 42 0 6 3 58 0 7	23 12 0 1 23 11 0 1 23 10 0 1	7 12 2 29 7 13 2 29 7 13 2 30	15 59 0 20 15 59 0 20 15 59 0 20	9 54 0 52 9 53 0 52 9 52 0 52	23 36 2 4 23 36 2 4 23 36 2 4	14 47 14 32 14 47 14 31 14 47 14 30	7 54 14 16 3 0 7 50 14 15 3 0 7 47 14 15 3 0
M12 T 13 W14 T 15 F 16 S 17	21 32 21 22 21 11 21 0	24 56 2 41 26 58 3 35 27 31 4 16	21 10 2 1	9 17 22 4 16 9 17 31 4 14 19 17 41 4 13 19 17 50 4 11	4 15 0 8 4 31 0 9 4 47 0 10 5 4 0 11 5 20 0 12 5 36 0 13	23 8 0 0 23 7 0 0 23 7 0 0 23 6 0 0	7 14 2 30 7 15 2 30 7 15 2 31 7 16 2 31 7 16 2 31 7 16 2 31	15 58 0 20 15 58 0 20 15 58 0 20	9 51 0 52 9 50 0 52 9 50 0 52 9 49 0 52	23 37 2 4 23 37 2 4 23 37 2 4 23 38 2 4	14 46 14 27 14 45 14 26 14 43 14 25	7 44 14 15 3 0 7 41 14 15 3 0 7 38 14 15 3 0 7 35 14 15 3 0 7 31 14 15 2 59 7 28 14 14 2 59
S 18 M19 T 20 W21 T 22 F 23 S 24	20 24 20 11 19 58 19 45 19 31	20 59 4 58 16 46 4 44 11 58 4 17 6 46 3 40 1 21 2 53	22 13 1 1	9 18 17 4 6 0 18 26 4 4 0 18 35 4 1 60 18 44 3 59 11 18 52 3 56	5 52 0 14 6 8 0 16 6 24 0 17 6 40 0 18 6 56 0 19 7 12 0 20 7 28 0 21	23 3 0 0 23 2 0 0 23 1 0 0 23 0 0 0 22 59 0 1	7 17 2 32 7 17 2 32 7 18 2 32 7 18 2 33 7 18 2 33	15 58 0 20	9 47 0 52 9 46 0 52 9 45 0 52 9 45 0 52 9 44 0 52	23 39 2 4 23 39 2 5 23 39 2 5 23 39 2 5 23 40 2 5	14 27 14 21 14 23 14 20 14 19 14 19 14 16 14 18	7 25 14 14 2 59 7 22 14 14 2 59 7 19 14 14 2 59 7 16 14 14 2 59 7 12 14 14 2 59 7 9 14 14 2 59 7 6 14 14 2 59
S 25 M26 T 27 W28 T 29 F 30 S 31	19 2 18 47 18 32 18 16 18 0 17 44	9 30 0 58 14 37 0s 5 19 16 1 10 23 11 2 13 26 2 3 11 27 29 4 0	22 39 0 2 22 41 0 1 22 43 0 22 43 0s 22 42 0 1 22 40 0 2	12	7 44 0 21 8 0 0 22 8 16 0 23 8 31 0 24 8 47 0 25 9 2 0 26	22 56 0 1 22 55 0 1	7 18 2 33 7 18 2 34 7 18 2 34 7 18 2 34 7 18 2 35 7 18 2 35	15 58 0 20 15 58 0 20	9 42 0 52 9 42 0 52 9 41 0 52 9 40 0 52 9 39 0 52 9 39 0 52	23 40 2 5 23 40 2 5 23 41 2 5 23 41 2 5 23 41 2 5 23 42 2 5	14 13 14 15 14 13 14 14 14 13 14 13 14 12 14 12 14 11 14 11	7 3 14 15 2 59 7 0 14 15 2 58 6 56 14 15 2 58 6 53 14 15 2 58 6 50 14 15 2 58

Julian Day Number = 2337589.5, Delta T = 19.38 sec Ecliptic obliquity = $23^{\circ}28'54$, Nutation = - $0^{\circ}00'10$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}23'06$, Lahiri = $19^{\circ}30'07$ Greg. Calendar

FEBRUARY 1688 GC 00:00 UT

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S 1	8 44 19	12≈ 9'55	29 궁 24	20 궁 13	25 × 22	23 Y 27	13 3 41	25 <u>₽</u> 3	14845	7) €24	22°R14	7°R29	7 8 48	21 m/47	17835	S 1
M 2	8 48 15	13°10'46	14≈15	21°36	26°24	24° 6	13°54	25° 3	14°45	7°26	22913	7 8 17	7°44	21°53	17°35	M 2
T 3	8 52 12	14°11'34	29°16	23° 0	27°26	24°46	14° 7	25°R 3	14°46	7°28	22°12	7° 5	7°41	22° 0	17°36	T 3
W 4	8 56 9	15°12'22	14) (19	24°25	28°28	25°25	14°20	25° 3	14°47	7°30	22°11	6°56	7°38	22° 7	17°36	W 4
T 5	9 0 5	16°13'08	29°13	25°52	2 <u>9</u> °31	26° 4	14°33	25° 2	14°47	7°32	22°10	6°49	7°35	22°13	17°37	T 5
F 6	9 4 2	17°13'52	13 Y 51	27°19	0 궁 34	26°43	14°46	25° 2	14°48	7°34	22° 8	6°45	7°32	22°20	17°38	F 6
S 7	9 7 58	18°14'35	28° 9	28°47	1°37	27°23	14°59	25° 2	14°49	7°37	22° 7	6°43	7°29	22°27	17°39	S 7
S 8	9 11 55	19°15'16	128 6	0≈16	2°41	28° 2	15°12	25° 1	14°50	7°39	22° 6	6°43	7°25	22°33	17°39	S 8
M 9	9 15 51	20°15'55	25°42	1°46	3°44	28°42	15°24	25° 0	14°50	7°41	22° 5	6°43	7°22	22°40	17°40	M 9
T 10	9 19 48	21°16'33	8耳59	3°17	4°48	29°21	15°37	25° 0	14°51	7°43	22° 4	6°42	7°19	22°47	17°41	T 10
W11	9 23 44	22°17'09	21°59	4°49	5°53	0 8 0	15°49	24°59	14°52	7°45	22° 3	6°38	7°16	22°53	17°42	W11
T 12	9 27 41	23°17'43	49546	6°22	6°57	0°40	16° 2	24°58	14°53	7°48	22° 2	6°32	7°13	23° 0	17°44	T 12
F 13	9 31 38	24°18'15	17°20	7°55	8° 2	1°19	16°14	24°57	14°55	7°50	22° 0	6°23	7° 9	23° 7	17°45	F 13
S 14	9 35 34	25°18'46	29°45	9°30	9° 7	1°58	16°27	24°56	14°56	7°52	21°59	6°12	7° 6	23°13	17°46	S 14
S 15	9 39 31	26°19'15	12 Ω 0	11° 5	10°12	2°38	16°39	24°55	14°57	7°54	21°58	5°59	7° 3	23°20	17°47	S 15
M16	9 43 27	27°19'42	24° 8	12°42	11°18	3°17	16°51	24°53	14°58	7°56	21°57	5°45	7° 0	23°27	17°49	M16
T 17	9 47 24	28°20'08	6Mp 8	14°19	12°24	3°56	17° 3	24°52	14°59	7°59	21°56	5°33	6°57	23°34	17°50	T 17
W18	9 51 20	29°20'31	18° 3	15°57	13°30	4°35	17°15	24°50	15° 1	8° 1	21°55	5°22	6°54	23°40	17°52	W18
T 19	9 55 17	0) €20'54	29°53	17°37	14°36	5°15	17°27	24°49	15° 2	8° 3	21°54	5°14	6°50	23°47	17°53	T 19
F 20	9 59 13	1°21'14	11 ≏ 41	19°17	15°42	5°54	17°39	24°47	15° 4	8° 5	21°53	5° 8	6°47	23°54	17°55	F 20
S 21	10 3 10	2°21'34	23°30	20°58	16°49	6°33	17°51	24°45	15° 5	8° 8	21°52	5° 5	6°44	24° 0	17°57	S 21
S 22	10 7 7	3°21'51	5 M 24	22°40	17°55	7°13	18° 3	24°43	15° 7	8°10	21°51	5°D 5	6°41	24° 7	17°59	S 22
M23	10 11 3	4°22'08	17°28	24°24	19° 2	7°52	18°15	24°41	15° 8	8°12	21°50	5° 5	6°38	24°14	18° 1	M23
T 24	10 15 0	5°22'22	29°46	26° 8	20° 9	8°31	18°26	24°39	15°10	8°15	21°49	5°R 6	6°35	24°20	18° 2	T 24
W25	10 18 56	6°22'36	12×723	27°53	21°17	9°11	18°38	24°37	15°12	8°17	21°49	5° 6	6°31	24°27	18° 4	W25
T 26	10 22 53	7°22'47	25°25	29°39	22°24	9°50	18°49	24°34	15°13	8°19	21°48	5° 4	6°28	24°34	18° 6	T 26
F 27	10 26 49	8°22'58	8 궁 55	1) 27	23°32	10°29	19° 1	24°32	15°15	8°21	21°47	5° 0	6°25	24°40	18° 9	F 27
S 28	10 30 46	9°23'06	22°55	3°15	24°39	11° 8	19°12	24°30	15°17	8°24	21°46	4°54	6°22	24°47	18°11	S 28
S 29	10 34 42	10) (23'14	7≈24	5 ¥ 5	25 궁 47	11848	19る23	24 Ω 27	15 8 19	8 ∺ 26	219545	4 8 46	6 8 19	24 m/54	18813	S 29

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S 1	17 s11	25 s 9	4s57	$22\mathrm{s}33$	0s36	19s56	3n28	9n33	0n28	22 s48	0 s 1	7s18	2n35	15n59	0s19	9s37	0 s52	23n42	2n 5	14n	2 14n 8	6n40	14n16	2 s58
M 2		-		22 28	0 43		3 24	9 48		-	0 2			15 59		9 36		23 42		13 5			14 16	
T 3	16 36			22 21	0 50		3 21	10 4		22 46	0 2	7 17	2 36			9 35	0 52			13 5			14 16	
W 4	16 18			22 13	0 57			-		22 44	0 2	7 17	2 36			9 35	0 52		2 5				14 16	
T 5	16 0		-	22 3	1 4		-	10 34		_	0 2	7 17	2 36		,		0 52		2 5				14 17	
F 6	15 42			21 53	1 10				0 32		0 2						0 52		2 5	_			14 17	
5 /	15 23	10 8	0 45	21 41	1 10	20 23	3 5	11 4	0 33	22 40	0 2	7 16	2 37	10 0	0 19	9 32	0 32	23 43	2 5	13 4	14 2	0 21	14 17	2 57
S 8	-			21 28		20 26	-	11 19		22 39	0 2		2 37		,			23 44		13 4			14 18	
M 9	-			21 13	1 27			11 34		22 38	0 2	,	2 38	-	0 19	9 31	0 52	_		13 4			14 18	
T 10	-			20 57	1 32			11 48		22 36	0 2	7 15	2 38	-	0 19	9 30	0 52	23 44		_	7 13 59		14 18	
W11	14 6	,		20 40	1 37		-	-		22 35	0 3	7 14	2 38	-	0 19	9 29	0 52	_		-	13 58		14 19	
T 12	-		-	20 21		20 34		12 18		22 34	0 3			-							3 13 57		14 19	2 57
F 13 S 14	13 27 13 6		4 45	20 1 19 40	1 46 1 50			12 32 12 46		22 32 22 31	0 3		2 39 2 39	-							0 13 56 7 13 55		14 20 14 20	2 57 2 57
			4 39	19 40							0 3	/ 12	2 39	10 2	0 19	9 20						3 30	14 20	2 37
S 15	12 46		-	19 17		20 35	2 31			22 29	0 3		2 39	-				23 45			2 13 54		14 21	2 56
M16	12 25		-	18 53		20 34		13 15		22 28	0 3		2 39			9 25				_	3 13 52		14 21	2 56
T 17	12 4	-		18 28	1 59			13 29		22 27	0 3	7 10	2 40	-	0 19	9 24	0 52			-	13 51		14 22	
	11 43		-	18 1	2 2		-			22 25	0 3		2 40		,	9 23	0 52			_	13 50		14 22	2 56
	11 22 11 1		2 56 2 1	17 33 17 3	2 4 2 5			13 57 14 10		22 24 22 22	0 3		2 40 2 40	-	,				2 6	_	7 13 49 5 13 48		14 23 14 23	2 56 2 56
S 21	10 39			16 32				-		22 22	0 3		2 40					23 46			13 48		14 23	
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S 22		-		15 59		20 18	-	14 37		22 19	0 4		2 41					23 47		_	1 13 46		14 24	
M23	9 56		-	15 25	2 8			-			0 4	7 5	2 41	16 6		9 19	0 52			_	13 45		14 25	
T 24		-		14 50			1 51	15 4		22 16	0 4	7 4	2 41		0 19		0 52			_	13 44		14 25	
W25 T 26	9 11		-	14 13	2 7 2 7		-			22 15	0 4		2 41	16 7	,	9 17	0 52 0 52				13 43		14 26 14 27	
F 27				13 35 12 56		-, -,		15 30 15 43		22 14 22 12	0 4	, –	2 42 2 42	-						_	4 13 42 3 13 41		14 27	
S 28				12 36				15 56		22 12	0 4		2 42	-				23 48			1 13 40		14 27	
S 29	7 s41	23 s22	5s 6	11 s32	2s 1	19s35	1n28	16n 9	0n47	22 s 9	0s 4	6s58	2n42	16n 9	0s19	9s14	0 s52	23n48	2n 6	13n	3 13n39	5n10	14n29	2 s55

 $\label{eq:Julian Day Number = 2337620.5, Delta\ T = 19.34\ sec} \\ Ecliptic\ obliquity = 23°28'55, Nutation = -0°00'09, out-of-bounds\ declination\ in\ red \\$

Ayanamsha: Fagan/Bradley = 20°23'11, Lahiri = 19°30'11Greg. Calendar

MARCH 1688 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ)∤(¥	Р	រា	ນ	Ç	ķ	Day
M 1	10 38 39	11) 23'19	22≈17	6 ¥ 55	26 පි 55	12827	19 궁 34	24°R24	15 8 21	8) (28	21°R44	4°R38	6 8 15	25 mg 0	18815	M 1
T 2	10 42 36	12°23'22	7) €27	8°47	28° 3	13° 6	19°45	24 ₽ 22	15°23	8°31	219544	4 8 30	6°12	25° 7	18°17	T 2
W 3	10 46 32	13°23'24	22°43	10°40	29°11	13°45	19°56	24°19	15°25	8°33	21°43	4°23	6° 9	25°14	18°20	W 3
T 4	10 50 29	14°23'23	7 Y 55	12°33	0≈20	14°25	20° 7	24°16	15°27	8°35	21°42	4°18	6° 6	25°20	18°22	T 4
F 5	10 54 25	15°23'21	22°52	14°28	1°28	15° 4	20°18	24°13	15°29	8°37	21°41	4°15	6° 3	25°27	18°25	F 5
S 6	10 58 22	16°23'16	7 8 28	16°24	2°37	15°43	20°28	24°10	15°31	8°40	21°41	4°D15	6° 0	25°34	18°27	S 6
S 7	11 2 18	17°23'09	21°39	18°20	3°46	16°22	20°39	24° 7	15°33	8°42	21°40	4°16	5°56	25°40	18°30	S 7
M 8	11 6 15	18°23'00	5 Ⅱ 25	20°18	4°54	17° 1	20°49	24° 3	15°35	8°44	21°39	4°17	5°53	25°47	18°33	M 8
T 9	11 10 11	19°22'49	18°45	22°16	6° 3	17°41	21° 0	24° 0	15°37	8°46	21°39	4°R18	5°50	25°54	18°35	T 9
W10	11 14 8	20°22'36	19544	24°15	7°12	18°20	21°10	23°57	15°40	8°49	21°38	4°17	5°47	26° 0	18°38	W10
T 11	11 18 5	21°22'20	14°25	26°14	8°21	18°59	21°20	23°53	15°42	8°51	21°38	4°14	5°44	26° 7	18°41	T 11
F 12	11 22 1	22°22'02	26°50	28°14	9°31	19°38	21°30	23°50	15°44	8°53	21°37	4°10	5°41	26°14	18°44	F 12
S 13	11 25 58	23°21'41	9 Ω 3	0 Υ 13	10°40	20°17	21°40	23°46	15°47	8°55	21°37	4° 4	5°37	26°20	18°47	S 13
S 14	11 29 54	24°21'19	21° 8	2°13	11°49	20°56	21°50	23°42	15°49	8°58	21°36	3°56	5°34	26°27	18°50	S 14
M15	11 33 51	25°20'54	3 Mm 6	4°12	12°59	21°35	21°59	23°39	15°52	9° 0	21°36	3°49	5°31	26°34	18°53	M15
T 16	11 37 47	26°20'27	14°59	6°11	14° 8	22°15	22° 9	23°35	15°54	9° 2	21°35	3°42	5°28	26°41	18°56	T 16
W17	11 41 44	27°19'58	26°49	8° 8	15°18	22°54	22°18	23°31	15°57	9° 4	21°35	3°36	5°25	26°47	18°59	W17
T 18	11 45 40	28°19'26	8 ₾ 38	10° 5	16°28	23°33	22°28	23°27	15°59	9° 6	21°34	3°31	5°21	26°54	19° 2	T 18
F 19	11 49 37	29°18'53	20°28	11°59	17°38	24°12	22°37	23°23	16° 2	9° 8	21°34	3°29	5°18	27° 1	19° 5	F 19
S 20	11 53 34	0 Υ 18'18	2 M 22	13°52	18°48	24°51	22°46	23°19	16° 5	9°11	21°33	3°D28	5°15	27° 7	19° 8	S 20
S 21	11 57 30	1°17'41	14°21	15°41	19°58	25°30	22°55	23°15	16° 7	9°13	21°33	3°28	5°12	27°14	19°12	S 21
M22	12 1 27	2°17'02	26°30	17°28	21° 8	26° 9	23° 4	23°11	16°10	9°15	21°33	3°30	5° 9	27°21	19°15	M22
T 23	12 5 23	3°16'22	8 ∡ 751	19°12	22°18	26°48	23°12	23° 7	16°13	9°17	21°33	3°32	5° 6	27°27	19°18	T 23
W24	12 9 20	4°15'39	21°30	20°51	23°28	27°27	23°21	23° 3	16°15	9°19	21°32	3°33	5° 2	27°34	19°22	W24
T 25	12 13 16	5°14'55	4 る 29	22°27	24°38	28° 6	23°29	22°59	16°18	9°21	21°32	3°R34	4°59	27°41	19°25	T 25
F 26	12 17 13	6°14'09	17°52	23°58	25°49	28°45	23°38	22°54	16°21	9°23	21°32	3°33	4°56	27°47	19°29	F 26
S 27	12 21 9	7°13'22	1≈42	25°24	26°59	29°24	23°46	22°50	16°24	9°25	21°32	3°31	4°53	27°54	19°32	S 27
S 28	12 25 6	8°12'32	15°58	26°44	28°10	0 Ⅲ 2	23°54	22°46	16°27	9°28	21°31	3°29	4°50	28° 1	19°36	S 28
M29	12 29 3	9°11'41	0 ∺ 39	27°59	29°20	0°41	24° 2	22°41	16°30	9°30	21°31	3°25	4°46	28° 7	19°40	M29
T 30	12 32 59	10°10'47	15°39	29° 9	0 ∺ 31	1°20	2 <u>4</u> °10	22°37	16°33	9°32	21°31	3°22	4°43	28°14	19°43	T 30
W31	12 36 56	11 ° 9'52	0 Υ 50	0812	1) (41	1 II 59	24 궁 17	22 ॒ 32	16 8 36	9) 34	219931	3 8 19	4840	28 m 21	19 8 47	W31

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M 1 T 2	7 s18 6 55	18 s42 4 s52 12 46 4 17	10s49 1s58		16n22 0n48 16 34 0 48	22s 8 0s 5		16n10 0s19 16 11 0 19			13n 5 13		n 6 14	
W 3	6 32	6 1 3 24	-		16 46 0 49							3 36 5		
T 4	6 9	1n 3 2 17			16 59 0 49								57 14	-
F 5	5 46	7 58 1 1	7 41 1 42	2 18 48 1 5	17 11 0 50			16 12 0 19	9 10 0 52				53 14	32 2 55
S 6	5 23	14 18 0n17	6 51 1 30	6 18 38 1 1	17 23 0 51	22 0 0 5	6 51 2 44	16 13 0 19	9 9 0 52	23 49 2 6	12 57 13	3 33 4	50 14	33 2 55
S 7	5 0	19 42 1 33	6 0 1 30	0 18 26 0 56	17 35 0 51	21 59 0 5	6 50 2 44	16 14 0 19	9 8 0 52	23 49 2 6	12 58 13	3 32 4	47 14	34 2 55
M 8	4 36	23 52 2 40	5 8 1 23			21 57 0 5		16 14 0 19	9 7 0 52	23 49 2 6	12 58 13	3 30 4	43 14	
T 9	4 13		4 15 1 10			21 56 0 6						-	40 14	
W10				9 17 49 0 43		21 54 0 6							37 14	
T 11 F 12		27 31 4 51 25 50 5 7	-			21 53 0 6							34 14	
S 13	3 2 2 38					21 51 0 0 21 50 0 0		16 17 0 18 16 18 0 18			1 - 0 - 0		30 14 27 14	
S 14	2 15	19 9 4 56				21 49 0		16 19 0 18					24 14	
M15	-	14 35 4 30	1 20 0 2		19 4 0 55						12 49 13		20 14	
T 16	1 27	9 31 3 53	2 17 0 1		19 15 0 55						12 46 13		17 14	
W17	1 4	4 7 3 6	3 14 On 0	0 16 4 0 14	19 26 0 56	21 44 0 6	6 35 2 45	16 21 0 18	9 0 0 53	23 50 2 7	12 44 13	3 21 4	14 14	42 2 54
T 18	0 40	1 s25 2 11	4 11 0 12	2 15 47 0 10	19 36 0 56	21 43 0	6 34 2 46	16 22 0 18	8 59 0 53	23 50 2 7	12 43 13	3 20 4	11 14	-
F 19	0 16	6 55 1 10			19 46 0 56		6 32 2 46				12 42 13			
S 20	0n 7	12 13 0 6	6 1 0 3	5 15 12 0 2	19 56 0 57	21 40 0	6 30 2 46	16 23 0 18	8 57 0 53	23 50 2 7	12 42 13	3 18 4	4 14	45 2 54
S 21		17 7 0s59				21 39 0	6 29 2 46				12 42 13			46 2 54
M22	0 55					21 37 0	6 27 2 46		8 56 0 53		12 42 13		57 14	
T 23	1 18					21 36 0 3	6 26 2 46		8 55 0 53		12 43 13		54 14	
W24 T 25		27 6 3 54 27 59 4 35				21 35 0 3 21 33 0 8	6 24 2 46 6 22 2 46		8 54 0 53 8 53 0 53		12 43 13 12 44 13		51 14 47 14	
F 26	-	27 17 5 3			20 44 0 59 20 53 0 59				8 53 U 53 8 53 U 53		12 44 1.		4/ 14	
S 27	2 52		11 40 1 5			21 31 0 8		16 29 0 18			12 43 13		41 14	
S 28	3 16	20 57 5 7	12 20 2	9 12 34 0 28	21 10 1 0	21 30 0 8	6 17 2 47	16 30 0 18	8 51 0 53	23 51 2 7	12 42 13	3 9 3	38 14	53 2 53
M29	3 39	15 37 4 40	12 56 2 19	9 12 13 0 31	21 19 1 0	21 28 0 8	6 16 2 47	16 31 0 18	8 50 0 53	23 51 2 7	12 41 13	8 8 3	34 14	54 2 53
T 30	4 2	9 15 3 53	13 30 2 2		-	21 27 0 8	6 14 2 47	16 31 0 18	8 50 0 53	23 51 2 7	12 40 13	3 7 3	31 14	55 2 53
W31	4n25	2s16 2s49	14n 0 2n3	6 11 s29 0 s38	21n35 1n 1	21 s26 0 s 8	6s12 2n47	16n32 0s18	8 s 4 9 0 s 5 3	23n51 2n 7	12n39 13	3n 6	n28 14	n56 2 s53

Julian Day Number = 2337649.5, Delta T = 19.30 sec Ecliptic obliquity = $23^{\circ}28'55$, Nutation = - $0^{\circ}00'09$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}23'15$, Lahiri = $19^{\circ}30'15$ Greg. Calendar

APRIL 1688 GC 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ)ұ(¥	Р	u	Ω	Ç	Ŷ,	Day
T 1	12 40 52	12 Y 8'55	16 Υ 2	1810	2 ₩52	2Д38	24 궁 25	22°R28	16 8 39	9) 36	21°R31	3°R18	4 8 37	28 m)27	19 8 51	T 1
F 2	12 44 49	13° 7'56	1 8 5	2° 1	4° 3	3°17	24°32	22 <u>0</u> 23	16°42	9°38	219931	3°D17	4°34	28°34	19°54	F 2
S 3	12 48 45	14° 6'54	15°52	2°45	5°14	3°56	24°39	22°19	16°45	9°40	21°D31	3 8 17	4°31	28°41	19°58	S 3
S 4	12 52 42	15° 5'51	0П15	3°23	6°25	4°35	24°47	22°14	16°48	9°42	21°31	3°18	4°27	28°47	20° 2	S 4
M 5	12 56 38	16° 4'45	14°13	3°55	7°36	5°13	24°53	22°10	16°51	9°43	21°31	3°20	4°24	28°54	20° 6	M 5
T 6	13 0 35	17° 3'37	27°43	4°20	8°47	5°52	25° 0	22° 5	16°54	9°45	21°31	3°21	4°21	29° 1	20°10	T 6
W 7	13 4 32	18° 2'27	109548	4°38	9°58	6°31	25° 7	22° 1	16°57	9°47	21°31	3°21	4°18	29° 7	20°14	W 7
T 8	13 8 28	19° 1'14	23°31	4°50	11° 9	7°10	25°13	21°56	17° 0	9°49	21°31	3°R22	4°15	29°14	20°18	T 8
F 9	13 12 25	19°59'59	5 Ω 55	4°R55	12°20	7°49	25°20	21°51	17° 3	9°51	21°31	3°21	4°12	29°21	20°22	F 9
S 10	13 16 21	20°58'42	18° 5	4°54	13°31	8°27	25°26	21°47	17° 7	9°53	21°32	3°20	4° 8	29°27	20°26	S 10
S 11	13 20 18	21°57'23	0 mg 4	4°47	14°42	9° 6	25°32	21°42	17°10	9°55	21°32	3°18	4° 5	29°34	20°30	S 11
M12	13 24 14	22°56'01	11°57	4°34	15°53	9°45	25°38	21°38	17°13	9°56	21°32	3°17	4° 2	29°41	20°34	M12
T 13	13 28 11	23°54'37	23°46	4°16	17° 4	10°23	25°43	21°33	17°16	9°58	21°32	3°15	3°59	29°47	20°38	T 13
W14	13 32 7	24°53'11	5 ₾ 35	3°53	18°16	11° 2	25°49	21°28	17°20	10° 0	21°32	3°14	3°56	29°54	20°42	W14
T 15	13 36 4	25°51'43	17°26	3°26	19°27	11°41	25°54	21°24	17°23	10° 2	21°33	3°13	3°52	0요 1	20°46	T 15
F 16	13 40 0	26°50'13	29°22	2°54	20°38	12°19	25°59	21°19	17°26	10° 3	21°33	3°D13	3°49	0° 7	20°50	F 16
S 17	13 43 57	27°48'42	11 M 24	2°19	21°50	12°58	26° 5	21°15	17°30	10° 5	21°33	3°13	3°46	0°14	20°55	S 17
S 18	13 47 54	28°47'08	23°34	1°42	23° 1	13°37	26° 9	21°10	17°33	10° 7	21°34	3°14	3°43	0°21	20°59	S 18
M19	13 51 50	29°45'33	5 ₹ 55	1° 3	24°12	14°15	26°14	21° 6	17°36	10° 8	21°34	3°14	3°40	0°27	21° 3	M19
T 20	13 55 47	0 8 43'56	18°28	0°23	25°24	14°54	26°19	21° 1	17°40	10°10	21°34	3°14	3°37	0°34	21° 7	T 20
W21	13 59 43	1°42'17	1 궁 16	29 Y 42	26°35	15°32	26°23	20°57	17°43	10°12	21°35	3°14	3°33	0°41	21°12	W21
T 22	14 3 40	2°40'37	14°20	29° 2	27°47	16°11	26°27	20°52	17°46	10°13	21°35	3°15	3°30	0°47	21°16	T 22
F 23	14 7 36	3°38'55	27°43	28°23	28°59	16°50	26°31	20°48	17°50	10°15	21°36	3°15	3°27	0°54	21°20	F 23
S 24	14 11 33	4°37'12	11≈27	27°46	0 Υ 10	17°28	26°35	20°43	17°53	10°16	21°36	3°15	3°24	1° 1	21°25	S 24
S 25	14 15 29	5°35'27	25°31	27°11	1°22	18° 7	26°39	20°39	17°57	10°18	21°37	3°15	3°21	1° 7	21°29	S 25
M26	14 19 26	6°33'41	9 ∺ 55	26°38	2°34	18°45	26°42	20°35	18° 0	10°19	21°37	3°15	3°18	1°14	21°33	M26
T 27	14 23 23	7°31'53	24°34	26°10	3°45	19°24	26°46	20°30	18° 3	10°21	21°38	3°15	3°14	1°21	21°38	T 27
W28	14 27 19	8°30'04	9 Υ 26	25°45	4°57	20° 2	26°49	20°26	18° 7	10°22	21°39	3°16	3°11	1°27	21°42	W28
T 29	14 31 16	9°28'13	24°22	25°24	6° 9	20°41	2 <u>6</u> °52	20°22	18°10	10°23	21°39	3°16	3° 8	1°34	21°46	T 29
F 30	14 35 12	10826'20	9 8 15	25 ℃ 7	7 Υ 21	21 II 19	26 궁 55	20 ≏ 18	18 8 14	10) €25	219540	3°R16	3 8 5	1 ≏ 41	21851	F 30

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl de	cl decl lat
T 1 F 2 S 3	4n49 5 12 5 35	11 41 0 12	14n27 2n44 14 52 2 51 15 12 2 56	10 44 0 44	21 51 1 2	21 s25 0s 8 2 21 24 0 9 2 21 22 0 9	6 9 2 47	16n33 0s18 16 34 0 18 16 35 0 18	8 47 0 53	23 51 2 7	12n38 13 12 38 13 12 38 13	3 4 3 3	24 14n57 2 s53 21 14 58 2 53 18 14 59 2 53
S 4 M 5 T 6 W 7 T 8	6 20 6 43 7 5	25 59 3 27 27 45 4 17 27 54 4 52	15 54 3 6 16 2 3 7	9 10 0 56	22 14 1 2 22 21 1 3 22 28 1 3	21 21 0 9 21 20 0 9 21 19 0 9 21 18 0 9 21 17 0 9	6 5 2 47 6 4 2 47 6 2 2 47 6 0 2 47 5 58 2 47	16 38 0 18 16 38 0 18	8 45 0 53 8 45 0 53 8 44 0 53	23 51 2 7 23 51 2 7 23 51 2 7	12 38 13 12 39 13 12 39 13 12 39 13 12 39 13	3 1 3 3 0 3 2 59 3	14 15 0 2 53 11 15 1 2 53 8 15 2 2 53 4 15 3 2 53 1 15 4 2 53
F 9 S 10		23 56 5 16			22 42 1 4	21 16 0 10 21 15 0 10		16 40 0 18 16 41 0 18	8 42 0 53	23 51 2 7	12 39 12 12 39 12	2 56 2 :	58 15 5 2 53 54 15 6 2 53
S 11 M12 T 13 W14 T 15 F 16 S 17	8 56 9 18 9 39 10 1	10 54 4 7 5 34 3 22 0 2 2 27 5 s 32 1 26 10 56 0 21	15 16 2 35 14 56 2 24	6 41 1 12 6 15 1 14 5 5 49 1 16 4 5 23 1 19 3 4 57 1 21	23 1 1 4 23 7 1 5 23 13 1 5 23 18 1 5 23 24 1 5	21 14 0 10 21 13 0 10 21 12 0 10 21 11 0 10 21 10 0 10 21 10 0 11 21 9 0 11	5 51 2 47 5 50 2 47 5 48 2 47 5 46 2 47 5 45 2 47	16 44 0 18 16 45 0 18 16 46 0 18	8 41 0 53 8 40 0 53 8 39 0 53 8 39 0 53 8 38 0 53	23 51 2 7 23 51 2 7 23 51 2 7 23 51 2 7 23 51 2 7	12 37 12 12 37 12	2 53 2 4 2 52 2 4 2 51 2 4 2 50 2 3 2 49 2 3	51 15 7 2 53 48 15 8 2 53 44 15 9 2 53 41 15 11 2 53 38 15 12 2 53 34 15 13 2 53 31 15 14 2 53
S 18 M19 T 20 W21 T 22 F 23 S 24	11 24 11 45 12 5 12 25	24 9 2 52 26 44 3 46 27 58 4 30 27 41 5 0 25 49 5 16	12 48 1 16	3 38 1 26 5 3 11 1 28 9 2 44 1 30 8 2 17 1 31 5 1 50 1 33	23 39 1 6 23 43 1 6 23 48 1 7 23 52 1 7 23 56 1 7	21 8 0 11 21 7 0 11 21 7 0 11 21 6 0 11 21 5 0 12 21 5 0 12 21 4 0 12	5 40 2 47 5 38 2 47 5 36 2 47 5 35 2 47 5 33 2 47	16 49 0 18 16 50 0 18 16 51 0 18 16 52 0 18 16 53 0 18 16 54 0 18 16 54 0 18	8 36 0 53 8 36 0 53 8 35 0 53 8 34 0 53 8 34 0 53	23 50 2 7 23 50 2 7 23 50 2 7 23 50 2 7 23 50 2 7	,	2 46 2 2 2 45 2 2 2 43 2 2 42 2 2 41 2	28 15 15 2 53 24 15 16 2 53 21 15 17 2 53 18 15 18 2 53 14 15 19 2 53 11 15 20 2 53 8 15 21 2 53
S 25 M26 T 27 W28 T 29 F 30		11 48 4 15 5 12 3 19 1n46 2 9 8 42 0 49	9 28 0 42 9 4 0 58 8 42 1 14	0 28 1 37 2 0 0 1 38 3 0n27 1 39 4 0 55 1 40	24 8 1 8 24 11 1 8 24 14 1 8 24 17 1 8	21 4 0 12 21 3 0 12 21 3 0 12 21 2 0 12 21 2 0 13 21 1 0 s13	5 29 2 47 5 27 2 47 5 25 2 47 5 24 2 46	16 55 0 18 16 56 0 18 16 57 0 18 16 58 0 18 16 59 0 18 17n 0 0s18	8 32 0 54 8 32 0 54 8 31 0 54 8 31 0 54	23 50 2 7 23 50 2 7 23 50 2 7 23 50 2 7 23 50 2 7	,	2 38 2 2 37 1 2 2 36 1 2 2 35 1	4 15 22 2 53 1 15 23 2 53 58 15 25 2 54 54 15 26 2 54 51 15 27 2 54 48 15n28 2 s54

Julian Day Number = 2337680.5, Delta T = 19.26 sec Ecliptic obliquity = 23°28'56, Nutation = -0°00'10, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°23'19, Lahiri = 19°30'19Greg. Calendar

MAY 1688 GC 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ)∤(并	Р	n	v	Ç	Ŗ	Day
S 1	14 39 9	11824'26	23 8 57	24°R55	8 Y 32	21Д58	26 궁 57	20°R13	18 8 17	10 ∺ 26	219541	3°R16	3 8 2	1 ≏ 47	21 8 55	S 1
S 2	14 43 5	12°22'30	8Д21	24 Y 47	9°44	22°36	27° 0	20 º 9	18°21	10°27	21°41	3 8 15	2°58	1°54	22° 0	S 2
M 3	14 47 2	13°20'33	22°23	24°D45	10°56	23°14	27° 2	20° 5	18°24	10°29	21°42	3°14	2°55	2° 1	22° 4	M 3
T 4	14 50 58	14°18'33	69 0	24°46	12° 8	23°53	27° 4	20° 1	18°28	10°30	21°43	3°12	2°52	2° 7	22° 9	T 4
W 5	14 54 55	15°16'32	19°11	24°53	13°20	24°31	27° 6	19°57	18°31	10°31	21°44	3°11	2°49	2°14	22°13	W 5
T 6	14 58 52	16°14'29	1 0 59	25° 4	14°32	25°10	27° 7	19°53	18°35	10°32	21°44	3°10	2°46	2°21	22°18	T 6
F 7	15 2 48	17°12'24	14°26	25°20	15°44	25°48	27° 9	19°50	18°38	10°34	21°45	3°D10	2°43	2°27	22°22	F 7
S 8	15 6 45	18°10'17	26°36	25°40	16°56	26°26	27°10	19°46	18°42	10°35	21°46	3°10	2°39	2°34	22°26	S 8
S 9	15 10 41	19° 8'09	8 m 35	26° 4	18° 8	27° 5	27°11	19°42	18°45	10°36	21°47	3°11	2°36	2°41	22°31	S 9
M10	15 14 38	20° 5'58	20°26	26°33	19°20	27°43	27°12	19°39	18°49	10°37	21°48	3°12	2°33	2°47	22°35	M10
T 11	15 18 34	21° 3'46	2 ≏ 15	27° 6	20°32	28°21	27°13	19°35	18°52	10°38	21°49	3°13	2°30	2°54	22°40	T 11
W12	15 22 31	22° 1'33	14° 5	27°43	21°44	29° 0	27°13	19°31	18°56	10°39	21°49	3°15	2°27	3° 1	22°44	W12
T 13	15 26 27	22°59'17	26° 0	28°23	22°56	29°38	27°14	19°28	18°59	10°40	21°50	3°16	2°24	3° 7	22°49	T 13
F 14	15 30 24	23°57'01	8M 3	29° 8	24° 8	09516	27°R14	19°25	19° 3	10°41	21°51	3°R16	2°20	3°14	22°53	F 14
S 15	15 34 21	24°54'42	20°17	29°56	25°20	0°54	27°14	19°21	19° 6	10°42	21°52	3°15	2°17	3°21	22°58	S 15
S 16	15 38 17	25°52'23	2 × 742	0 8 47	26°32	1°33	27°14	19°18	19°10	10°43	21°53	3°13	2°14	3°27	23° 2	S 16
M17	15 42 14	26°50'02	15°21	1°42	27°44	2°11	27°13	19°15	19°13	10°44	21°54	3°10	2°11	3°34	23° 7	M17
T 18	15 46 10	27°47'40	2 <u>8</u> °13	2°40	28°57	2°49	27°13	19°12	19°16	10°44	21°55	3° 6	2° 8	3°41	23°11	T 18
W19	15 50 7	28°45'17	11 궁 19	3°42	08 9	3°27	27°12	19° 9	19°20	10°45	21°56	3° 2	2° 4	3°47	23°16	W19
T 20	15 54 3	29°42'53	24°39	4°46	1°21	4° 6	27°11	19° 6	19°23	10°46	21°58	2°59	2° 1	3°54	23°20	T 20
F 21	15 58 0	0∏40′28	8≈12	5°54	2°33	4°44	27°10	19° 3	19°27	10°47	21°59	2°56	1°58	4° 1	23°25	F 21
S 22	16 1 57	1°38'02	21°59	7° 4	3°45	5°22	27° 8	19° 0	19°30	10°47	22° 0	2°55	1°55	4° 7	23°29	S 22
S 23	16 5 53	2°35'35	5 ¥ 58	8°17	4°58	6° 0	27° 7	18°57	19°34	10°48	22° 1	2°D54	1°52	4°14	23°34	S 23
M24	16 9 50	3°33'07	20° 9	9°33	6°10	6°38	27° 5	18°55	19°37	10°49	22° 2	2°55	1°49	4°21	23°38	M24
T 25	16 13 46	4°30'39	4 Υ30	10°52	7°22	7°16	27° 3	18°52	19°41	10°49	22° 3	2°56	1°45	4°27	23°43	T 25
W26	16 17 43	5°28'09	18°58	12°14	8°35	7°55	27° 1	18°50	19°44	10°50	22° 4	2°58	1°42	4°34	23°47	W26
T 27	16 21 39	6°25'39	3829	13°38	9°47	8°33	26°59	18°48	19°47	10°51	22° 6	2°R58	1°39	4°41	23°52	T 27
F 28	16 25 36	7°23'08	18° 0	15° 5	10°59	9°11	26°56	18°45	19°51	10°51	22° 7	2°57	1°36	4°47	23°56	F 28
S 29	16 29 32	8°20'36	2П23	16°35	12°12	9°49	26°54	18°43	19°54	10°52	22° 8	2°55	1°33	4°54	24° 0	S 29
S 30	16 33 29	9°18'03	16°35	18° 7	13°24	10°27	2 <u>6</u> °51	18°41	19°57	10°52	22° 9	2°51	1°30	5° 1	24° 5	S 30
M31	16 37 26	10 Ⅱ 15'30	0929	19 8 42	14 8 37	1199 5	26 궁 48	18 ≏ 39	208 1	10 ∺ 52	229911	2 8 45	1826	5 ≙ 7	248 9	M31

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S 1	15n17	20n36	1n52	8n 4	1 s43	1n50	1 s42 24r	23 1n	8 21	s 1	0 s13	5 s21	2n46	17n 1	0s18	8 s 3 0	0 s54	23n50	2n '	7 12n3′	12n33	1n44	15n29	2 s54
S 2	15 35	24 45	3 3	7 49	1 56	2 18	1 43 24	25 1	9 21	1	0 13	5 20	2 46	17 2	0 18	8 29	0 54	23 49	2	7 12 3	12 32	1 41	15 30	2 54
M 3	15 52		4 0	7 37	2 8	2 45	1 43 24		9 21		0 13	5 18				8 29			-		12 30		15 31	2 54
T 4 W 5	16 10 16 27	-	4 42 5 7	7 27 7 19	2 19 2 30	3 13	1 44 24 1 44 24		9 21 9 21		0 13	5 17				8 28			2		12 29 12 28		15 32	2 54 2 54
T 6			5 17	7 15	2 40	3 40 4 8	1 44 24 1 45 24		9 21		0 14 0 14	5 15 5 14				8 28 8 28		23 49 23 49	_		12 28		15 33 15 34	2 54
F 7			5 11	7 12	2 48	4 35	1 45 24		9 21		0 14	5 13	2 45			8 27		23 49			12 26		15 35	-
S 8	17 16	17 13	4 51	7 12	2 56	5 2	1 45 24	36 1 1	10 21	0	0 14	5 12	2 45	17 8	0 18	8 27	0 54	23 49	2 ′	7 12 3	12 25	1 21	15 36	2 54
S 9	17 32	12 21	4 18	7 15	3 3	5 30	1 46 24	37 1	10 21	0	0 14	5 10	2 45	17 9	0 18	8 26	0 54	23 49	2	7 12 30	12 24	1 18	15 37	2 54
M10	17 48		3 35	7 20	3 8	5 57	1 46 24		10 21		0 14	5 9	2 45			8 26			_		12 23		15 38	2 54
T 11	18 3		2 43	7 27	3 13	6 24	1 46 24		10 21		0 15	5 8			0 18	8 26		23 48	_		12 22		15 40	2 54
W12 T 13	18 18 18 33		1 44 0 40	7 36 7 48	3 17 3 21	6 51 7 18	1 46 24 1 46 24		10 21 10 21		0 15 0 15	5 7 5 6	2 45 2 45			8 25 8 25		23 4823 48			12 21 12 20		15 41 15 42	2 54 2 55
F 14	18 48		0 s26	8 1	3 23	7 45	1 45 24		10 21		0 15	5 4		17 13		8 25		23 48			12 20		15 42	2 55
S 15	19 2		1 32	8 17	3 25	8 11	1 45 24		10 21		0 15	5 3		17 15		8 24		23 48			12 17		15 44	
S 16	19 16	23 16	2 35	8 34	3 25	8 38	1 45 24	39 1 1	10 21	0	0 16	5 2	2 44	17 16	0 18	8 24	0 54	23 48	2	7 12 30	12 16	0 54	15 45	2 55
M17	19 29		3 31	8 53	3 25	9 4	1 44 24		11 21		0 16	5 1				8 24		23 48	_		12 15		15 46	
T 18	19 42		4 18	9 13	3 24	9 30	1 44 24		11 21		0 16	5 0				8 23		23 47	_		12 14		15 47	2 55
W19 T 20	19 55		4 51 5 10	9 35 9 59	3 23 3 21	9 56 10 22	1 43 24 1 42 24		11 21 11 21		0 16 0 16	4 59 4 58	2 43	17 19 17 20		8 23 8 23		23 47 23 47			12 13 12 12 12		15 48 15 49	2 55 2 55
			-	10 24		10 47	1 42 24		11 21		0 16	4 57		17 20		8 23					12 12		15 50	2 55
S 22	20 31			10 50	3 14		1 41 24		11 21		0 17	4 57	2 43	17 21	0 18	8 22		23 47		8 12 30	12 10	0 34	15 51	2 55
S 23	20 43	13 24	4 23	11 17	3 10	11 38	1 40 24	32 1	11 21	3	0 17	4 56	2 43	17 22	0 18	8 22	0 55	23 47	2	8 12 30	12 9	0 31	15 52	2 56
	20 54			11 46		12 2	1 39 24		11 21		0 17	4 55	2 42			8 22	0 55	23 47	2	8 12 30			15 53	2 56
	21 5			12 16		12 27	1 38 24				0 17	4 54	2 42	-		8 22	0 55		_	8 12 3	_		15 54	
	21 15 21 25			12 46 13 18	2 54 2 47	12 51	1 37 24 1 36 24		11 21 11 21		0 17 0 17	4 53 4 53				8 22 8 21	0 55 0 55			8 12 3 8 12 3			15 55 15 56	2 56 2 56
	-	- 1	-	13 50		13 13	1 35 24		11 21		0 17	4 52		17 27	0 18	8 21	0 55			8 12 3			15 57	2 56
			2 34			14 2	1 34 24		11 21		0 18	4 51		17 28		8 21		23 46		8 12 30			15 57	2 56
S 30	21 53	26 22	3 35	14 56	2 25	14 25	1 32 24	15 1	12 21	7	0 18	4 51	2 41	17 29	0 18	8 21	0 55	23 45	2	8 12 29	12 1	0 7	15 58	2 56
M31	22n 2	27n52	4n23	15n30	2s16	14n48	1 s31 24r	12 1n	12 21	s 8	0s18	4 s 5 0	2n41	17n30	0s18	8 s 2 1	0 s55	23n45	2n	8 12n2	12n 0	0n 4	15n59	2 s57

Julian Day Number = 2337710.5, Delta T = 19.22 sec Ecliptic obliquity = 23°28'55, Nutation = -0°00'11, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°23'23, Lahiri = 19°30'23Greg. Calendar

JUNE 1688 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	В	v	Ω	Ç	, k	Day
T 1	16 41 22	11 II 12'55	1495 2	21820	15 8 49	119543	26°R45	18°R37	20 8 4	10) 53	229612	2°R39	1823	5 ≙ 14	24814	T 1
W 2	16 45 19	12°10'19	27°13	23° 0	17° 2	12°21	26 궁 41	18 ≏ 35	20° 7	10°53	22°13	2 8 33	1°20	5°21	24°18	W 2
T 3	16 49 15	13° 7'43	10 N 2	24°42	18°14	12°59	26°38	18°33	20°11	10°54	22°14	2°28	1°17	5°27	24°22	T 3
F 4	16 53 12	14° 5'05	22°31	26°28	19°27	13°38	26°34	18°32	20°14	10°54	22°16	2°24	1°14	5°34	24°27	F 4
S 5	16 57 8	15° 2'26	4 m 42	28°16	20°39	14°16	26°30	18°30	20°17	10°54	22°17	2°22	1°10	5°41	24°31	S 5
S 6	17 1 5	15°59'46	16°42	0 I 6	21°52	14°54	26°26	18°29	20°20	10°54	22°18	2°D21	1° 7	5°47	24°35	S 6
M 7	17 5 1	16°57'04	28°33	1°59	23° 4	15°32	26°22	18°27	20°24	10°54	22°20	2°22	1° 4	5°54	24°40	M 7
T 8	17 8 58	17°54'22	10 ≏ 23	3°54	24°17	16°10	26°18	18°26	20°27	10°55	22°21	2°23	1° 1	6° 1	24°44	T 8
W 9	17 12 55	18°51'40	22°14	5°51	25°29	16°48	26°13	18°25	20°30	10°55	22°23	2°24	0°58	6° 7	24°48	W 9
T 10	17 16 51	19°48'56	4 M .13	7°51	26°42	17°26	26° 8	18°24	20°33	10°55	22°24	2°R25	0°55	6°14	24°52	T 10
F 11	17 20 48	20°46'11	16°23	9°53	27°55	18° 4	26° 3	18°23	20°36	10°55	22°25	2°24	0°51	6°21	24°56	F 11
S 12	17 24 44	21°43'26	28°48	11°56	29° 7	18°42	25°58	18°22	20°39	10°R55	22°27	2°21	0°48	6°27	25° 1	S 12
S 13	17 28 41	22°40'40	11 × 129	14° 2	0П20	19°20	25°53	18°21	20°42	10°55	22°28	2°15	0°45	6°34	25° 5	S 13
M14	17 32 37	23°37'54	24°27	16° 9	1°32	19°58	25°48	18°21	20°46	10°55	22°30	2° 8	0°42	6°40	25° 9	M14
T 15	17 36 34	24°35'07	7 云 42	18°18	2°45	20°36	25°42	18°20	20°49	10°55	22°31	2° 0	0°39	6°47	25°13	T 15
W16	17 40 30	25°32'20	21°13	20°27	3°58	21°14	25°37	18°20	20°52	10°55	22°33	1°51	0°36	6°54	25°17	W16
T 17	17 44 27	26°29'33	4≈56	22°38	5°11	21°52	25°31	18°19	20°55	10°55	22°34	1°43	0°32	7° 0	25°21	T 17
F 18	17 48 24	27°26'45	18°49	24°49	6°23	22°30	25°25	18°19	20°58	10°54	22°36	1°36	0°29	7° 7	25°25	F 18
S 19	17 52 20	28°23'57	2) (49	27° 0	7°36	23° 8	25°19	18°19	21° 1	10°54	22°37	1°31	0°26	7°14	25°29	S 19
S 20	17 56 17	29°21'09	16°54	29°11	8°49	23°46	25°13	18°D19	21° 3	10°54	22°39	1°29	0°23	7°20	25°33	S 20
M21	18 0 13	09518'22	1 Υ 2	19522	10° 2	24°24	25° 7	18°19	21° 6	10°54	22°40	1°D28	0°20	7°27	25°37	M21
T 22	18 4 10	1°15'34	15°12	3°33	11°15	25° 2	25° 1	18°19	21° 9	10°54	22°42	1°29	0°16	7°34	25°41	T 22
W23	18 8 6	2°12'46	29°21	5°43	12°28	25°40	24°54	18°19	21°12	10°53	22°43	1°R29	0°13	7°40	25°45	W23
T 24	18 12 3	3° 9'58	13830	7°52	13°41	26°18	24°47	18°19	21°15	10°53	22°45	1°29	0°10	7°47	25°49	T 24
F 25	18 15 59	4° 7'11	27°35	9°59	14°54	26°56	24°41	18°20	21°18	10°52	22°46	1°26	0° 7	7°54	25°52	F 25
S 26	18 19 56	5° 4'24	11 II 33	12° 6	16° 6	27°34	24°34	18°20	21°20	10°52	22°48	1°21	0° 4	8° 0	25°56	S 26
S 27	18 23 53	6° 1'36	25°22	14°11	17°19	28°11	24°27	18°21	21°23	10°52	22°50	1°13	0° 1	8° 7	26° 0	S 27
M28	18 27 49	6°58'49	8958	16°14	18°32	28°49	24°20	18°22	21°26	10°51	22°51	1° 4	29 Y 57	8°14	26° 4	M28
T 29	18 31 46	7°56'02	22°18	18°15	19°46	29°27	24°13	18°22	21°28	10°51	22°53	0°53	29°54	8°20	26° 7	T 29
W30	18 35 42	8953'14	5 Ω 20	209515	20耳59	0Ω 5	24궁 6	18 ≏ 23	21831	10 ¥ 50	22954	0 8 42	29 Υ 51	8 ≏ 27	26811	W30

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T 1	22n10	27n37	4n54	16n 5	2s 7	15n11	1 s29	24n 9	1n12	21s 9	0 s18	4 s 5 0	2n41	17n31	0s17	8 s 2 1	0 s55	23n45	2n 8	12n25	11n59	0n 0	16n 0	2 s57
W 2	22 18	25 48 5	5 9	16 39	1 58	15 33	1 28	24 6	1 12	21 10	0 19	4 49	2 40	17 31	0 17	8 21	0 55	23 45	2 8	12 23	11 58	0s 3	16 1	2 57
T 3	22 25	22 42 5	5 8	17 14	1 48	15 54	1 26	24 2	1 12	21 10	0 19	4 49	2 40	17 32	0 17	8 21	0 55	23 45	2 8	12 21	11 56	0 7	16 2	2 57
F 4	22 32	18 37 4	4 51	17 48	1 38	16 16	1 25	23 58	1 12	21 11	0 19	4 49	2 40	17 33	0 17	8 21	0 55	23 45	2 8	12 20	11 55	0 10	16 3	2 57
S 5	22 38	13 52 4	4 22	18 23	1 28	16 37	1 23	23 54	1 12	21 12	0 19	4 48	2 40	17 34	0 17	8 20	0 55	23 44	2 8	12 19	11 54	0 13	16 4	2 57
S 6	22 45	8 40 3	3 42	18 57	1 17	16 57	1 21	23 50	1 12	21 13	0 19	4 48	2 39	17 35	0 17	8 20	0 55	23 44	2 8	12 19	11 53	0 17	16 5	2 58
M 7	22 50			19 31	1 6			23 46		21 14	0 19	4 48		17 36		8 20	0 55	-			11 52	0 20		2 58
T 8	22 56			20 4	0 55		1 18			21 15	0 20	4 47		17 37		8 20	0 55	-			11 51	0 23		2 58
W 9	23 1			20 36		17 56		23 37		21 16	0 20	4 47		17 38		8 20	0 55	_			11 50	0 27		2 58
T 10	23 5		0s10		0 33			23 32		21 17	0 20	4 47		17 38		8 20					11 49	0 30		2 58
F 11	23 10		1 15		0 22			23 27		21 18	0 20	4 47		17 39		8 20					11 48	0 33		2 58
S 12	23 13	22 10 2	2 17	22 5	0 11	18 51	1 10	23 22	1 12	21 19	0 20	4 47	2 38	17 40	0 17	8 20	0 55	23 43	2 8	12 19	11 46	0 37	16 10	2 59
S 13	23 17	25 25 3	3 14	22 32	0n 0	19 9	1 8	23 16	1 12	21 21	0 21	4 47	2 38	17 41	0 17	8 20	0 55	23 43	2 8	12 17	11 45	0 40	16 11	2 59
M14	23 20	27 24 4	4 3	22 57	0 11	19 26	1 6	23 11	1 12	21 22	0 21	4 47	2 37	17 42	0 17	8 20	0 56	23 43	2 8	3 12 14	11 44	0 44	16 11	2 59
T 15	23 22	27 54 4	4 39	23 20	0 22	19 42		23 5	1 12	21 23	0 21	4 47	2 37	17 42	0 17	8 21	0 56	23 42	2 8	12 11	11 43	0 47	16 12	2 59
W16	23 24		-	23 40		19 58		22 59		21 24	0 21	4 47		17 43		8 21	0 56	-	2 8				16 13	2 59
T 17	23 26	-		23 58	0 42	20 13		22 53		21 25	0 21	4 47	2 37	17 44	0 17	8 21	0 56	23 42	2 8				16 14	2 59
-				24 14		20 28		22 47		21 27	0 21	4 47		17 45		8 21	0 56	_			11 40		16 15	3 0
S 19	23 28	14 33 4	4 22	24 27	1 0	20 43	0 55	22 41	1 12	21 28	0 22	4 47	2 36	17 46	0 17	8 21	0 56	23 42	2 9	12 1	11 39	1 0	16 15	3 0
S 20	23 29	8 29 3	3 35	24 37	1 8	20 56	0 53	22 34	1 12	21 29	0 22	4 47	2 36	17 46	0 17	8 21	0 56	23 41	2 9	12 1	11 38	1 4	16 16	3 0
M21	23 29	1 58 2	2 35	24 44	1 16	21 10	0 51	22 27	1 12	21 31	0 22	4 48	2 36	17 47	0 17	8 21	0 56	23 41	2 9	12 (11 36	1 7	16 17	3 0
T 22	23 29	4n40	1 26	24 49	1 23	21 22	0 48	22 21	1 12	21 32	0 22	4 48	2 35	17 48	0 17	8 21	0 56	23 41	2 9	12 1	11 35	1 11	16 17	3 0
W23	23 28	11 5 (0 11	24 50	1 29	21 34	0 46	22 14	1 12	21 33	0 22	4 48	2 35	17 49	0 17	8 21	0 56	23 41	2 9	12 1	11 34	1 14	16 18	3 1
T 24		16 56 1	1n 4	24 49		21 46	0 44			21 35	0 22	4 49	2 35	17 49	0 17	8 22	0 56	23 40	2 9		11 33	1 17	16 19	3 1
F 25				24 45		21 57		21 59		21 36	0 23	4 49		17 50		8 22	0 56		2 9		11 32		16 20	3 1
S 26	23 23	25 27 3	3 17	24 39	1 43	22 7	0 39	21 52	1 12	21 37	0 23	4 49	2 34	17 51	0 17	8 22	0 56	23 40	2 9	11 58	11 31	1 24	16 20	3 1
S 27	23 21	27 30 4	4 6	24 30	1 47	22 16	0 36	21 44	1 12	21 39	0 23	4 50	2 34	17 52	0 17	8 22	0 56	23 40	2 9	11 55	11 30	1 28	16 21	3 1
M28	23 18	27 51 4	4 41	24 18	1 49	22 25		21 36	1 12	21 40	0 23	4 50	2 34	17 52	0 17	8 22	0 56	23 40	2 9	11 52	11 29	1 31	16 22	3 2
			4 59	24 4	1 51	22 34		21 28		21 41	0 23	4 51	2 34	17 53	0 17	8 23	0 56	23 39	2 9	11 48	11 27	1 34	16 22	3 2
W30	23n11	23n50 5	5n 2	23n48	1n52	22n42	0 s29	21n20	1n12	21 s43	$0 \mathrm{s} 24$	4 s 5 1	2n33	17n54	0s17	8 s23	0 s 5 6	23n39	2n 9	11n44	11n26	1 s38	16n23	3 s 2

Julian Day Number = 2337741.5, Delta T = 19.18 sec Ecliptic obliquity = 23°28'55, Nutation = -0°00'09, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°23'27, Lahiri = 19°30'28Greg. Calendar

JULY 1688 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	В	₽.	v	Ç	Ŷ,	Day
T 1	18 39 39	9950'27	18 Ω 3	229513	22 I I2	0 Ω 43	23°R59	18 <u>₽</u> 24	21834	10°R50	22956	0°R32	29 Υ 48	8 ≏ 34	26 8 15	T 1
F 2	18 43 35	10°47'39	0 m 29	24° 9	23°25	1°21	23 궁 51	18°25	21°36	10) (49	22°58	0 8 23	29°45	8°40	26°18	F 2
S 3	18 47 32	11°44'51	12°39	26° 4	24°38	1°59	23°44	18°27	21°39	10°48	22°59	0°17	29°42	8°47	26°22	S 3
S 4	18 51 29	12°42'03	24°37	27°56	25°51	2°37	23°37	18°28	21°41	10°48	23° 1	0°14	29°38	8°54	26°25	S 4
M 5	18 55 25	13°39'15	6 <u>₽</u> 28	29°46	27° 4	3°15	23°29	18°29	21°44	10°47	23° 2	0°12	29°35	9° 0	26°29	M 5
T 6	18 59 22	14°36'27	18°17	1 Q 35	28°17	3°53	23°22	18°31	21°46	10°46	23° 4	0°D12	29°32	9° 7	26°32	T 6
W 7	19 3 18	15°33'39	OM 9	3°21	29°31	4°31	23°14	18°32	21°49	10°45	23° 6	0°R12	29°29	9°14	26°35	W 7
T 8	19 7 15	16°30'51	12°10	5° 5	09544	5° 9	23° 6	18°34	21°51	10°45	23° 7	0°12	29°26	9°20	26°39	T 8
F 9	19 11 11	17°28'03	24°24	6°48	1°57	5°47	22°59	18°36	21°53	10°44	23° 9	0°10	29°22	9°27	26°42	F 9
S 10	19 15 8	18°25'15	6 ₹ 756	8°29	3°10	6°25	22°51	18°38	21°55	10°43	23°11	0° 5	29°19	9°34	26°45	S 10
S 11	19 19 4	19°22'28	19°49	10° 7	4°24	7° 3	22°43	18°40	21°58	10°42	23°12	29 Y 58	29°16	9°40	26°48	S 11
M12	19 23 1	20°19'40	3ਰ 4	11°44	5°37	7°41	22°36	18°42	22° 0	10°41	23°14	29°49	29°13	9°47	26°52	M12
T 13	19 26 58	21°16'54	16°40	13°19	6°50	8°19	22°28	18°44	22° 2	10°40	23°15	29°38	29°10	9°54	26°55	T 13
W14	19 30 54	22°14'07	0≈35	14°52	8° 4	8°57	22°20	18°46	22° 4	10°39	23°17	29°26	29° 7	10° 0	26°58	W14
T 15	19 34 51	23°11'21	14°44	16°23	9°17	9°34	22°12	18°49	22° 6	10°39	23°19	29°15	29° 3	10° 7	27° 1	T 15
F 16	19 38 47	24° 8'36	29° 2	17°51	10°30	10°12	22° 5	18°51	22° 8	10°38	23°20	29° 6	29° 0	10°13	27° 4	F 16
S 17	19 42 44	25° 5'51	13) 24	19°18	11°44	10°50	21°57	18°54	22°10	10°37	23°22	28°59	28°57	10°20	27° 7	S 17
S 18	19 46 40	26° 3'07	27°45	20°43	12°57	11°28	21°49	18°56	22°12	10°36	23°24	28°55	28°54	10°27	27° 9	S 18
M19	19 50 37	27° 0'24	12 Y 1	22° 6	14°11	12° 6	21°41	18°59	22°14	10°34	23°25	28°53	28°51	10°33	27°12	M19
T 20	19 54 33	27°57'41	26°11	23°27	15°24	12°44	21°34	19° 2	22°16	10°33	23°27	28°53	28°48	10°40	27°15	T 20
W21	19 58 30	28°55'00	10812	24°45	16°38	13°22	21°26	19° 5	22°18	10°32	23°29	28°52	28°44	10°47	27°18	W21
T 22	20 2 27	29°52'20	24° 5	26° 2	17°52	14° 0	21°18	19° 8	22°20	10°31	23°30	28°51	28°41	10°53	27°20	T 22
F 23	20 6 23	0 Ω 49'41	7 II 50	27°16	19° 5	14°38	21°11	19°11	22°21	10°30	23°32	28°48	28°38	11° 0	27°23	F 23
S 24	20 10 20	1°47'03	21°25	28°28	20°19	15°16	21° 3	19°14	22°23	10°29	23°34	28°42	28°35	11° 7	27°26	S 24
S 25	20 14 16	2°44'27	4950	29°38	21°33	15°54	20°56	19°17	22°25	10°28	23°35	28°33	28°32	11°13	27°28	S 25
M26	20 18 13	3°41'51	18° 3	0 m 45	22°46	16°32	20°49	19°20	22°26	10°26	23°37	28°22	28°28	11°20	27°31	M26
T 27	20 22 9	4°39'16	1 0 3	1°50	24° 0	17°10	20°41	19°24	22°28	10°25	23°38	28° 9	28°25	11°27	27°33	T 27
W28	20 26 6	5°36'41	13°50	2°52	25°14	17°48	20°34	19°27	22°30	10°24	23°40	27°56	28°22	11°33	27°35	W28
T 29	20 30 2	6°34'08	26°21	3°51	26°27	18°26	20°27	19°31	22°31	10°23	23°42	27°45	28°19	11°40	27°38	T 29
F 30	20 33 59	7°31'36	8 m /38	4°48	27°41	19° 4	20°20	19°35	22°32	10°21	23°43	27°35	28°16	11°47	27°40	F 30
S 31	20 37 56	8 Ω 29'04	20 m 43	5 m /41	28955	19 Ω 42	20 궁 13	19 ≏ 38	22 8 34	10 ∺ 20	239945	27 ℃ 27	28 Y 13	11 ≏ 53	27 8 42	S 31

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T 1 F 2 S 3	23n 7 23 3 22 58	15 25 4 22	23 10 1 5	22n49 0s26 22 22 55 0 24 22 23 1 0 21	21 3 1 12	21 s44 0 s24 21 46 0 24 21 47 0 24	4 53 2 33	17n54 0s17 17 55 0 18 17 56 0 18	8 23 0 56	23 39 2 9	11n41 11n25 11 38 11 24 11 36 11 23	1 44	16n23 3s 2 16 24 3 3 16 25 3 3
S 4 M 5 T 6 W 7 T 8	22 52 22 47 22 41 22 34 22 28	0s42 2 3 6 13 1 3 11 33 0 0	21 59 1 4 21 33 1 4 21 5 1 4		20 37 1 11 20 28 1 11 20 19 1 11	21 49 0 24 21 50 0 24 21 52 0 24 21 53 0 25 21 54 0 25	4 55 2 32		8 24 0 56 8 25 0 56 8 25 0 56	23 38 2 9 23 38 2 9 23 38 2 9	11 3. 11 20	1 55 1 58 2 1	16 25 3 3 16 26 3 3 16 26 3 4 16 27 3 4 16 27 3 4
F 9 S 10 S 11	22 20 22 13	20 55 2 5	20 6 1 3 19 36 1 2	23 23 22 0 6 28 23 23 0 4	20 0 1 11 19 51 1 11	21 56 0 25 21 57 0 25 21 59 0 25	4 58 2 31 4 59 2 31 5 0 2 30	17 59 0 18 18 0 0 18	8 26 0 56 8 26 0 57	23 37 2 10 23 37 2 10	11 33 11 16 11 31 11 15 11 29 11 14	2 8 2 11	
M12 T 13 W14 T 15	21 56 21 48 21 39 21 29	27 56 4 29 27 17 4 53 24 57 5 1 21 3 4 50 15 54 4 21	18 31 1 1 17 58 1 1 17 25 1 16 51 0 5 16 16 0 4	7 23 23 0n 1 0 23 22 0 4 3 23 20 0 6	19 31 1 11 19 22 1 11 19 11 1 11 19 1 1 11 18 51 1 11	22 0 0 25 22 2 0 26 22 3 0 26 22 4 0 26 22 6 0 26	5 1 2 30 5 2 2 30 5 4 2 30 5 5 2 29 5 6 2 29	18 1 0 18 18 2 0 18 18 2 0 18 18 3 0 18 18 3 0 18	8 27 0 57 8 27 0 57 8 27 0 57 8 27 0 57 8 28 0 57 8 28 0 57	23 37 2 10 23 36 2 10 23 36 2 10 23 36 2 10	11 26 11 13 11 22 11 12 11 18 11 11 11 14 11 10 11 10 11 8	2 18 2 22 2 25 2 28 2 32	16 29 3 5 16 30 3 5 16 30 3 6 16 31 3 6 16 31 3 6
S 18 M19 T 20 W21 T 22 F 23 S 24	20 13 20 1	9 54 0 14 15 51 1n 0 20 55 2 9 24 47 3 10	14 32 0 2 13 57 0 1 13 22 0 12 47 0s 12 12 0 1	2 23 7 0 16 33 23 2 0 18 4 22 56 0 21 4 22 49 0 23 5 22 42 0 25 5 22 35 0 28 66 22 26 0 30	18 19 1 10 18 8 1 10 17 57 1 10 17 46 1 10 17 35 1 10	22 9 0 26 22 10 0 26 22 11 0 26 22 13 0 27 22 14 0 27 22 15 0 27 22 16 0 27	5 8 2 29 5 10 2 28 5 11 2 28 5 12 2 28 5 13 2 28 5 15 2 27 5 16 2 27	18 5 0 18 18 5 0 18 18 6 0 18 18 6 0 18 18 7 0 18	8 29 0 57 8 30 0 57 8 30 0 57 8 31 0 57 8 31 0 57	23 35 2 10 23 35 2 10 23 35 2 10 23 35 2 10 23 34 2 10 23 34 2 10 23 34 2 11	11 6 11 5 11 6 11 4 11 6 11 3 11 5 11 2	2 42 2 45 2 49 2 52 2 55	16 32 3 7 16 32 3 7 16 33 3 7 16 33 3 7 16 33 3 8 16 34 3 8 16 34 3 8
S 25 M26 T 27 W28 T 29 F 30 S 31	19 22 19 8 18 54	24 50 5 0 21 19 4 49 16 54 4 24	10 30 0 4 9 57 0 5 9 24 1 8 52 1 2 8 21 1 3	8 21 57 0 37 9 21 46 0 39	17 1 1 10 16 49 1 9 16 37 1 9 16 26 1 9 16 14 1 9	22 18 0 27 22 19 0 27 22 20 0 27 22 21 0 27 22 23 0 28 22 24 0 28 22 25 0 0 0 27	5 18 2 27 5 19 2 27 5 21 2 26 5 22 2 26 5 24 2 26 5 25 2 26 5 27 2n25	18 8 0 18 18 8 0 18 18 9 0 18 18 9 0 18	8 33 0 57 8 33 0 57 8 34 0 57 8 34 0 57 8 35 0 57	23 34 2 11 23 33 2 11 23 33 2 11 23 33 2 11 23 33 2 11	10 59 10 58 10 55 10 57 10 50 10 56 10 46 10 55 10 41 10 54 10 38 10 53 10n35 10n51	3 6 3 9 3 12 3 16 3 19	16 34 3 9 16 34 3 9 16 35 3 9 16 35 3 9 16 35 3 10 16 35 3 10 16 35 3 \$10

Julian Day Number = 2337771.5, Delta T = 19.14 sec Ecliptic obliquity = $23^{\circ}28'55$, Nutation = - $0^{\circ}00'08$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}23'31$, Lahiri = $19^{\circ}30'32$ Greg. Calendar

AUGUST 1688 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	₽.	v	Ç	ķ	Day
S 1	20 41 52	9 Ω 26'33	2 <u>ი</u> 38	6 m 31	0Ω 9	20₽20	20°R 6	19 ≏ 42	22 8 35	10°R19	239546	27°R22	28 Y 9	12 <u>₽</u> 0	27844	S 1
M 2	20 45 49	10°24'03	14°27	7°19	1°23	20°58	19 る 59	19°46	22°37	10) 17	23°48	27 Y 20	28° 6	12° 7	27°46	M 2
T 3	20 49 45	11°21'34	26°15	8° 2	2°37	21°36	19°52	19°50	22°38	10°16	23°50	27°D19	28° 3	12°13	27°48	T 3
W 4	20 53 42	12°19'05	8M 6	8°42	3°51	22°14	19°45	19°54	22°39	10°14	23°51	27°R20	28° 0	12°20	27°50	W 4
T 5	20 57 38	13°16'38	20° 6	9°18	5° 5	22°52	19°39	19°58	22°40	10°13	23°53	27°19	27°57	12°27	27°52	T 5
F 6	21 1 35	14°14'11	2 ~ 20	9°51	6°19	23°30	19°32	20° 2	22°41	10°12	23°54	27°18	27°53	12°33	27°54	F 6
S 7	21 5 31	15°11'46	14°54	10°19	7°32	24° 8	19°26	20° 7	22°42	10°10	23°56	27°15	27°50	12°40	27°56	S 7
S 8	21 9 28	16° 9'21	27°52	10°42	8°47	24°46	19°20	20°11	22°43	10° 9	23°57	27° 9	27°47	12°46	27°57	S 8
M 9	21 13 25	17° 6'58	11 궁 15	11° 1	10° 1	25°25	19°14	20°16	22°44	10° 7	23°59	27° 1	27°44	12°53	27°59	M 9
T 10	21 17 21	18° 4'35	25° 3	11°15	11°15	26° 3	19° 8	20°20	22°45	10° 6	24° 0	26°51	27°41	13° 0	28° 1	T 10
W11	21 21 18	19° 2'14	9≈16	11°24	12°29	26°41	19° 2	20°25	22°46	10° 4	24° 2	26°41	27°38	13° 6	28° 2	W11
T 12	21 25 14	19°59'53	23°47	11°R27	13°43	27°19	18°57	20°29	22°47	10° 3	24° 3	26°31	27°34	13°13	28° 4	T 12
F 13	21 29 11	20°57'35	8 ∺ 30	11°25	14°57	27°57	18°51	20°34	22°48	10° 1	24° 5	26°22	27°31	13°20	28° 5	F 13
S 14	21 33 7	21°55'17	23°16	11°18	16°11	28°35	18°46	20°39	22°48	10° 0	24° 6	26°16	27°28	13°26	28° 6	S 14
S 15	21 37 4	22°53'01	7 Y 59	11° 5	17°25	29°13	18°40	20°44	22°49	9°58	24° 8	26°13	27°25	13°33	28° 8	S 15
M16	21 41 0	23°50'47	22°33	10°46	18°39	29°51	18°35	20°49	22°50	9°57	24° 9	26°D11	27°22	13°40	28° 9	M16
T 17	21 44 57	24°48'34	6 8 53	10°21	19°54	0 ₯ 29	18°30	20°54	22°50	9°55	24°11	26°12	27°19	13°46	28°10	T 17
W18	21 48 54	25°46'23	20°57	9°50	21° 8	1° 8	18°26	20°59	22°51	9°53	24°12	26°R12	27°15	13°53	28°11	W18
T 19	21 52 50	26°44'15	4 Ⅱ 46	9°15	22°22	1°46	18°21	21° 4	22°51	9°52	24°14	26°12	27°12	14° 0	28°12	T 19
F 20	21 56 47	27°42'08	18°19	8°34	23°36	2°24	18°17	21° 9	22°52	9°50	24°15	26°10	27° 9	14° 6	28°13	F 20
S 21	22 0 43	28°40'02	19538	7°48	24°51	3° 2	18°12	21°15	22°52	9°49	24°17	26° 6	27° 6	14°13	28°14	S 21
S 22	22 4 40	29°37'59	14°44	6°59	26° 5	3°40	18° 8	21°20	22°52	9°47	24°18	25°59	27° 3	14°20	28°15	S 22
M23	22 8 36	0 m /35'57	27°36	6° 6	27°19	4°19	18° 4	21°25	22°53	9°45	24°19	25°51	26°59	14°26	28°15	M23
T 24	22 12 33	1°33'57	$10\Omega17$	5°11	28°34	4°57	18° 0	21°31	22°53	9°44	24°21	25°41	26°56	14°33	28°16	T 24
W25	22 16 29	2°31'59	22°45	4°15	29°48	5°35	17°57	21°36	22°53	9°42	24°22	25°32	26°53	14°40	28°17	W25
T 26	22 20 26	3°30'02	5 m/ 2	3°19	1 Mp 3	6°13	17°53	21°42	22°53	9°40	24°23	25°22	26°50	14°46	28°17	T 26
F 27	22 24 23	4°28'07	17° 9	2°24	2°17	6°52	17°50	21°47	22°53	9°39	24°25	25°15	26°47	14°53	28°18	F 27
S 28	22 28 19	5°26'13	29° 7	1°31	3°32	7°30	17°47	21°53	22°R53	9°37	24°26	25° 9	26°44	14°59	28°18	S 28
S 29	22 32 16	6°24'21	10 ≙ 57	0°42	4°46	8° 8	17°44	21°59	22°53	9°36	24°27	25° 6	26°40	15° 6	28°19	S 29
M30	22 36 12	7°22'31	22°44	29 Ω 57	6° 0	8°47	1 <u>7</u> °42	22° 5	22°53	9°34	24°29	25°D 5	26°37	15°13	28°19	M30
T 31	22 40 9	8 m 20'42	4 M .30	29 Ω 18	7 m 15	9 m 25	17 る 39	22 ₽ 11	22 8 53	9 ∺ 32	24930	25 ℃ 5	26 Y 34	15 ≏ 19	28 8 19	T 31

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S 1 M 2	17n55	0n53 2n 4s40 1	7 7n21 8 6 53		0n47 15n49 0 49 15 37		22 s26		18n10 0s18 18 10 0 18		23n32 2n11 23 32 2 11	10n33 10 10 33 10		26 16n36 3 s11 29 16 36 3 11
T 3	17 24		6 6 26		0 51 15 25		22 28 0 28		18 11 0 18					33 16 36 3 11
W 4	17 8	15 8 0s5	7 6 0		0 53 15 12		22 29 0 28				23 32 2 11	10 32 10	47 3 3	36 16 36 3 11
T 5	16 52	19 42 1 5	8 5 36	2 41 19 55	0 55 14 59	1 8 2	22 30 0 28	5 36 2 24	18 11 0 18	8 38 0 57	23 32 2 11			39 16 36 3 12
F 6		23 31 2 5			0 56 14 47		22 31 0 28		18 11 0 18		23 31 2 12			13 16 36 3 12
S 7	16 18	26 21 3 4	5 4 53	3 4 19 21	0 58 14 34	1 8 2	22 32 0 28	5 39 2 24	18 12 0 18	8 39 0 57	23 31 2 12	10 31 10	43 3 4	16 16 36 3 12
S 8	16 1	27 52 4 2	5 4 33	3 15 19 4	1 0 14 21	1 8 2	22 33 0 29	5 41 2 24	18 12 0 18	8 40 0 57	23 31 2 12	10 28 10	42 3 4	19 16 37 3 13
M 9		27 51 4 5	2 4 16	3 26 18 45	-		22 34 0 29	5 43 2 24	18 12 0 18	8 40 0 57	23 31 2 12	10 26 10	41 3 3	53 16 37 3 13
T 10			3 4 1	3 36 18 27			22 35 0 29		18 12 0 18		23 31 2 12			56 16 37 3 13
W11		22 43 4 5					22 36 0 29		18 13 0 18		23 30 2 12			0 16 37 3 14
T 12		17 51 4 3					22 37 0 29				23 30 2 12			3 16 37 3 14
F 13 S 14		11 53 3 4			1 8 13 15		22 38 0 29				23 30 2 12	-		6 16 37 3 14
5 14	14 14	5 13 2 4	6 3 27	4 12 17 7	1 9 13 2	1 7 2	22 39 0 29	5 53 2 22	18 13 0 18	8 43 0 58	23 30 2 12	10 9 10	35 4	10 16 37 3 15
S 15	13 55	-			1 10 12 48	1 7 2			18 13 0 18		23 30 2 12		-	13 16 37 3 15
M16	13 36				1 12 12 35		22 40 0 29				23 30 2 12			16 16 37 3 15
T 17		14 44 0n5			1 13 12 21	-	22 41 0 29		18 14 0 18		23 29 2 13		-	20 16 37 3 16
W18	12 57		8 3 40		1 14 12 7		22 42 0 29		18 14 0 18		23 29 2 13			23 16 36 3 16
T 19 F 20		24 15 3 1 26 59 4			1 15 11 54 1 16 11 40		22 42 0 29 22 43 0 29		18 14 0 18 18 14 0 18		23 29 2 13 23 29 2 13			27 16 36 3 16 30 16 36 3 16
S 21	11 58				1 16 11 40		22 44 0 30		18 14 0 18 18 14 0 18		23 29 2 13			33 16 36 3 17
S 22			0 4 45	-	1 18 11 12	-			18 14 0 18		23 29 2 13			37 16 36 3 17
M23 T 24	11 17	25 40 5 22 26 4 5	5 5 9 6 5 35	,	1 19 10 58 1 20 10 43	-	22 45 0 30 22 46 0 30				23 28 2 13 23 28 2 13		-	10 16 36 3 17 13 16 36 3 18
W25		18 14 4 3			1 20 10 43		22 46 0 30				23 28 2 13	9 53 10		47 16 36 3 18
T 26		13 20 3 5		-	1 21 10 29		22 47 0 30		18 14 0 18		23 28 2 13	9 50 10		50 16 35 3 18
F 27	9 53			-	1 22 10 0	-	22 47 0 30		18 14 0 18		23 28 2 14			54 16 35 3 19
S 28	9 32				1 23 9 46		22 48 0 30		18 14 0 18		23 28 2 14	9 45 10		57 16 35 3 19
S 29	9 11	3s11 1 1	6 8 9	3 19 11 4	1 23 9 31	1 4 2	22 48 0 30	6 25 2 20	18 14 0 18	8 53 0 58	23 28 2 14	9 44 10	18 5	0 16 35 3 19
M30	8 49	8 40 0 1	8 40		1 23 9 17				18 14 0 18		23 27 2 14	9 43 10		4 16 34 3 20
T 31	8n27	13 s51 0 s5	9n11	2 s44 10n10	1n24 9n 2	1n 4 2	22 s49 0 s30	6s30 2n19	18n14 0s18	8 s 5 4 0 s 5 8	23n27 2n14	9n44 10	n16 5s	7 16n34 3 s20

Julian Day Number = 2337802.5, Delta T = 19.10 sec Ecliptic obliquity = $23^{\circ}28'55$, Nutation = - $0^{\circ}00'07$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}23'36$, Lahiri = $19^{\circ}30'36$ Greg. Calendar

SEPTEMBER 1688 GC 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	v	Ç	Ŷ,	Day
W 1	22 44 5	9 m)18'55	16M20	28°R46	8 m 30	10 mg 3	17°R37	22 ≏ 17	22°R53	9°R31	24931	25 Y 6	26 Y 31	15 ≏ 26	28819	W 1
T 2	22 48 2	10°17'09	28°19	28 £ 21	9°44	10°42	17 云 35	22°22	22 8 53	9 米 29	24°32	25° 8	26°28	15°33	28°19	T 2
F 3	22 51 58	11°15'25	10 × 32	28° 4	10°59	11°20	17°33	22°28	22°52	9°27	24°34	25°R 8	26°25	15°39	28°R19	F 3
S 4	22 55 55	12°13'43	23° 3	27°D56	12°13	11°58	17°31	22°35	22°52	9°26	24°35	25° 8	26°21	15°46	28°19	S 4
S 5	22 59 52	13°12'02	5 궁 58	27°57	13°28	12°37	17°29	22°41	22°52	9°24	24°36	25° 5	26°18	15°53	28°19	S 5
M 6	23 3 48	14°10'23	19°20	28° 7	14°42	13°15	17°28	22°47	22°51	9°22	24°37	25° 1	26°15	15°59	28°19	M 6
T 7	23 7 45	15° 8'45	3≈10	28°26	15°57	13°54	17°27	22°53	22°51	9°21	24°38	24°56	26°12	16° 6	28°19	T 7
W 8	23 11 41	16° 7'09	17°27	28°54	17°12	14°32	17°26	22°59	22°50	9°19	24°39	24°50	26° 9	16°13	28°19	W 8
T 9	23 15 38	17° 5'34	2 ∺ 8	29°31	18°26	15°10	17°25	23° 6	22°49	9°17	24°40	24°45	26° 5	16°19	28°18	T 9
F 10	23 19 34	18° 4'01	17° 5	0 m 16	19°41	15°49	17°24	23°12	22°49	9°16	24°42	24°40	26° 2	16°26	28°18	F 10
S 11	23 23 31	19° 2'30	2 Υ 10	1°10	20°55	16°27	17°24	23°18	22°48	9°14	24°43	24°36	25°59	16°33	28°17	S 11
S 12	23 27 27	20° 1'01	17°14	2°11	22°10	17° 6	17°24	23°25	22°47	9°13	24°44	24°35	25°56	16°39	28°17	S 12
M13	23 31 24	20°59'34	2 8 9	3°19	23°25	17°44	17°D24	23°31	22°47	9°11	24°45	24°D35	25°53	16°46	28°16	M13
T 14	23 35 21	21°58'10	16°47	4°33	24°40	18°23	17°24	23°38	22°46	9° 9	24°46	24°36	25°50	16°52	28°15	T 14
W15	23 39 17	22°56'47	1 I I 4	5°53	25°54	19° 2	17°24	23°44	22°45	9°8	24°47	24°37	25°46	16°59	28°14	W15
T 16	23 43 14	23°55'27	14°59	7°19	27° 9	19°40	17°25	23°51	22°44	9° 6	24°48	24°38	25°43	17° 6	28°14	T 16
F 17	23 47 10	24°54'10	28°33	8°48	28°24	20°19	17°26	23°58	22°43	9° 5	24°49	24°R39	25°40	17°12	28°13	F 17
S 18	23 51 7	25°52'54	119545	10°22	29°38	20°57	17°27	24° 4	22°42	9° 3	24°49	24°38	25°37	17°19	28°12	S 18
S 19	23 55 3	26°51'41	24°40	11°59	0 ჲ 53	21°36	17°28	24°11	22°41	9° 1	24°50	24°35	25°34	17°26	28°11	S 19
M20	23 59 0	27°50'30	7Ω 18	13°39	2° 8	22°15	17°29	24°18	22°40	9° 0	24°51	24°32	25°31	17°32	28°10	M20
T 21	0 2 56	28°49'21	19°43	15°21	3°23	22°53	17°31	24°24	22°39	8°58	24°52	24°28	25°27	17°39	28° 8	T 21
W22	0 6 53	29°48'15	1 Mp 56	17° 5	4°38	23°32	17°32	24°31	22°38	8°57	24°53	24°24	25°24	17°46	28° 7	W22
T 23	0 10 50	0 ≏ 47'10	14° 0	18°51	5°52	24°11	17°34	24°38	22°36	8°55	24°54	24°20	25°21	17°52	28° 6	T 23
F 24	0 14 46	1°46'08	25°57	20°37	7° 7	24°49	17°37	24°45	22°35	8°54	24°55	24°16	25°18	17°59	28° 4	F 24
S 25	0 18 43	2°45'07	7 ≙ 48	22°24	8°22	25°28	17°39	24°52	22°34	8°52	24°55	24°14	25°15	18° 6	28° 3	S 25
S 26	0 22 39	3°44'09	19°36	24°12	9°37	26° 7	17°41	24°59	22°32	8°51	24°56	24°D13	25°11	18°12	28° 2	S 26
M27	0 26 36	4°43'12	1 M 22	26° 0	10°52	26°46	17°44	25° 6	22°31	8°49	24°57	24°13	25° 8	18°19	28° 0	M27
T 28	0 30 32	5°42'18	13°10	27°48	12° 7	27°24	17°47	25°13	22°29	8°48	24°57	24°14	25° 5	18°25	27°58	T 28
W29	0 34 29	6°41'25	25° 2	29°36	13°22	28° 3	17°50	25°20	22°28	8°47	24°58	24°16	25° 2	18°32	27°57	W29
T 30	0 38 25	7 - 40'35	7 .₹ 3	1 ≏ 24	14 ₽ 36	28 m 42	17 る 53	25 Ω 27	22826	8) (45	249559	24 Υ 17	24 Y 59	18 2 39	27 8 55	T 30

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W 1	8n 5	18 s 3 3 1 s	s53 9n	39 2 s 2 s	9n42	1n24	8n48	1n 4	22 s49	0 s30	6s32	2n19	18n14	0s18	8 s 5 5	0 s58	23n27	2n14	9n44	10n15	5 s 1 0	16n34	3 s20
T 2	7 43	22 35 2	50 10	6 2 6	9 14	1 24	8 33	1 3	22 49	0 30	6 34	2 19	18 14	0 18	8 55	0 58	23 27	2 14	9 45	10 14	5 14	16 34	3 21
F 3	7 21	25 43 3	42 10	29 1 47	8 46	1 25	8 18	1 3	22 50	0 30	6 37	2 19	18 14	0 18	8 56	0 58	23 27	2 14	9 45	10 12	5 17	16 33	3 21
S 4	6 59	27 41 4	23 10	50 1 28	8 18	1 25	8 3	1 3	22 50	0 30	6 39	2 19	18 14	0 18	8 56	0 58	23 27	2 14	9 45	10 11	5 20	16 33	3 21
S 5	6 37	28 14 4	54 11	8 1 9	7 49	1 25	7 48	1 3	22 50	0 30	6 41	2 19	18 14	0 18	8 57	0 58	23 27	2 14	9 44	10 10	5 24	16 33	3 22
M 6	6 14	27 11 5	9 11	22 0 50	7 20	1 25	7 33	1 2	22 50	0 30	6 44	2 19	18 14	0 18	8 58	0 58	23 27	2 15	9 42	10 9	5 27	16 32	3 22
T 7	5 52	24 28 5	7 11	32 0 32	6 51	1 25	7 18	1 2	22 51	0 30	6 46	2 18	18 14	0 18	8 58	0 58	23 27	2 15	9 40	10 8	5 31	16 32	3 22
W 8	5 29	20 11 4	47 11	38 0 15	6 22	1 25	7 3	1 2	22 51	0 30	6 49	2 18	18 14	0 18	8 59	0 58	23 26	2 15	9 38	10 7	5 34	16 31	3 23
T 9	5 6	14 35 4	7 11	41 0n 1	5 52	1 24	6 48	1 2	22 51	0 30	6 51	2 18	18 13	0 18	9 0	0 58	23 26	2 15	9 36	10 6	5 37	16 31	3 23
F 10	4 44	8 2 3	10 11	39 0 17	5 23	1 24	6 33	1 2	22 51	0 31	6 54	2 18	18 13	0 18	9 0	0 58	23 26	2 15	9 34	10 4	5 41	16 31	3 23
S 11	4 21	0 58 1	59 11	34 0 31	4 53	1 24	6 18	1 1	22 51	0 31	6 56	2 18	18 13	0 18	9 1	0 58	23 26	2 15	9 33	10 3	5 44	16 30	3 24
S 12	3 58	6n10 0	40 11	24 0 44	4 23	1 23	6 2	1 1	22 51	0 31	6 59	2 18	18 13	0 18	9 1	0 58	23 26	2 15	9 32	10 2	5 47	16 30	3 24
M13	3 35	12 53 Or	n41 11	11 0 56	3 53	1 23	5 47	1 1	22 51	0 31	7 1	2 18	18 13	0 18	9 2	0 58	23 26	2 15	9 32	10 1	5 51	16 29	3 24
T 14	3 11		59 10			1 22	5 32		22 51	0 31	7 4	2 18	-	0 18		0 58		2 15	9 33		5 54	16 29	3 25
W15	2 48	23 27 3	7 10	33 1 16	2 53	1 22	5 17		22 51	0 31	7 6	2 17	18 12	0 18	9 3	0 58	23 26	2 16	9 33	9 59	5 57	16 28	3 25
T 16	2 25	26 38 4	2 10	9 1 24	2 23	1 21	5 1		22 51	0 31	79	2 17	-	0 18		0 58		2 16	9 34		6 1	16 28	3 25
F 17	2 2		42 9		1 52	1 20	4 46		22 51	0 31	7 11	2 17	-	0 18		0 58		2 16	9 34	9 56			3 26
S 18	1 38	28 2 5	6 9	12 1 38	1 22	1 20	4 30	1 0	22 51	0 31	7 14	2 17	18 11	0 18	9 5	0 58	23 26	2 16	9 34	9 55	6 7	16 27	3 26
S 19	1 15	26 22 5	14 8	39 1 43	0 51	1 19	4 15	0 59	22 51	0 31	7 16	2 17	18 11	0 18	9 6	0 58	23 26	2 16	9 33	9 54	6 11	16 26	3 26
M20	0 52	23 24 5	6 8	5 1 47	0 20	1 18	3 59	0 59	22 51	0 31	7 19	2 17	18 11	0 18	9 6	0 58	23 26	2 16	9 31	9 53	6 14	16 26	3 27
T 21	0 28	19 25 4	44 7	28 1 49	0s10	1 17	3 44		22 51	0 31	7 21	2 17	-	0 18	9 7		23 26	2 16	9 30	9 52		16 25	3 27
W22	0 5		9 6		0 41	1 16	3 28		22 50	0 31	7 24	2 17		0 18			23 26	2 16	9 28	9 51		16 25	3 27
T 23	0s19		24 6	9 1 53		1 15	3 12		22 50	0 31	7 27		18 10	0 18			23 26	2 17	9 27	9 49		16 24	3 27
F 24	0 42		30 5			1 14	2 57		22 50	0 31	7 29	2 16		0 18			23 26	2 17	9 26	9 48	6 28		3 28
S 25	1 6	1 s44 1	29 4	44 1 52	2 13	1 13	2 41	0 58	22 50	0 31	7 32	2 16	18 9	0 18	9 9	0 58	23 26	2 17	9 25	9 47	6 31	16 23	3 28
S 26	1 29		26 4	1 1 51	2 43	1 11	2 26		22 49	0 31	7 34	2 16		0 18			23 25	2 17	9 25	9 46		16 22	3 28
M27			39		3 14	1 10	2 10		22 49	0 31	7 37	2 16		0 18			23 25	2 17	9 25	9 45	6 38		3 29
T 28	-		43 2		3 45	1 9	1 54		22 49	0 31	7 40	2 16		0 18	-	0 58		2 17	9 25	9 44		16 21	3 29
W29	-		42 1	-	_	1 7	1 38		22 48	0 31	7 42	2 16		0 18	-	0 58	-	2 17	9 25	9 42		16 20	3 29
T 30	3 s 3	25 s 4 3 s	s36 0n	59 1n41	4 s 4 5	1n 6	1n23	0n56	22 s48	0 s31	7 s45	2n16	18n 7	0s18	9s12	0 s58	23n25	2n17	9n26	9n41	6 s48	16n20	3 s30

 $\label{eq:Julian Day Number = 2337833.5, Delta\ T = 19.06\ sec} \\ Ecliptic\ obliquity = 23°28'56, Nutation = -0°00'07, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 20°23'40, Lahiri = 19°30'40Greg.\ Calendar \\$

OCTOBER 1688 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	V	v	Ç	Ŗ	Day
F 1	0 42 22	8 ₽ 39'46	19 × 16	3 ₽ 11	15 ≏ 51	29 m 21	17 云 57	25 ≏ 34	22°R25	8°R44	249559	24 Υ 19	24 Y 56	18 ≏ 45	27°R53	F 1
S 2	0 46 18	9°38'59	1 石 45	4°58	17° 6	29°59	18° 0	25°41	22 8 23	8) €42	25° 0	24°19	24°52	18°52	27 8 51	S 2
S 3	0 50 15	10°38'14	14°36	6°44	18°21	ე <u>ი</u> 39	18° 4	25°48	22°22	8°41	25° 1	24°R19	24°49	18°59	27°49	S 3
M 4	0 54 12	11°37'31	27°50	8°29	19°36	1°18	18° 8	25°55	22°20	8°40	25° 1	24°19	24°46	19° 5	27°47	M 4
T 5	0 58 8	12°36'49	11 ≈ 31	10°14	20°51	1°57	18°12	26° 2	22°18	8°38	25° 2	24°18	24°43	19°12	27°45	T 5
W 6	1 2 5	13°36'09	25°40	11°59	22° 6	2°35	18°17	26° 9	22°16	8°37	25° 2	24°17	24°40	19°19	27°43	W 6
T 7	1 6 1	14°35'31	10 米 15	13°43	23°21	3°14	18°21	26°16	22°15	8°36	25° 3	24°15	24°36	19°25	27°41	T 7
F 8	1 9 58	15°34'55	25°11	15°26	24°35	3°53	18°26	26°24	22°13	8°35	25° 3	24°14	24°33	19°32	27°39	F 8
S 9	1 13 54	16°34'21	10 Y 20	17° 8	25°50	4°32	18°31	26°31	22°11	8°33	25° 4	24°14	24°30	19°39	27°37	S 9
S 10	1 17 51	17°33'48	25°34	18°50	27° 5	5°11	18°36	26°38	22° 9	8°32	25° 4	24°D14	24°27	19°45	27°35	S 10
M11	1 21 47	18°33'18	10843	20°31	28°20	5°50	18°41	26°45	22° 7	8°31	25° 4	24°14	24°24	19°52	27°32	M11
T 12	1 25 44	19°32'50	25°38	22°11	29°35	6°30	18°46	26°52	22° 5	8°30	25° 5	24°14	24°21	19°59	27°30	T 12
W13	1 29 41	20°32'25	10 Ⅱ 12	23°51	0 M .50	7° 9	18°52	27° 0	22° 3	8°29	25° 5	24°15	24°17	20° 5	27°27	W13
T 14	1 33 37	21°32'01	24°20	25°30	2° 5	7°48	18°57	27° 7	22° 1	8°28	25° 5	24°15	24°14	20°12	27°25	T 14
F 15	1 37 34	22°31'40	8 9 5 2	27° 8	3°20	8°27	19° 3	27°14	21°59	8°27	25° 6	24°15	24°11	20°18	27°22	F 15
S 16	1 41 30	23°31'22	21°18	28°46	4°35	9° 6	19° 9	27°21	21°57	8°26	25° 6	24°15	24° 8	20°25	27°20	S 16
S 17	1 45 27	24°31'05	4 Ω 11	0M23	5°50	9°45	19°16	27°29	21°55	8°25	25° 6	24°15	24° 5	20°32	27°17	S 17
M18	1 49 23	25°30'51	16°43	2° 0	7° 5	10°25	19°22	27°36	21°53	8°24	25° 6	24°15	24° 2	20°38	27°14	M18
T 19	1 53 20	26°30'39	29° 0	3°36	8°19	11° 4	19°28	27°43	21°50	8°23	25° 7	24°15	23°58	20°45	27°12	T 19
W20	1 57 16	27°30'29	11 Mp 4	5°11	9°34	11°43	19°35	27°50	21°48	8°22	25° 7	24°16	23°55	20°52	27° 9	W20
T 21	2 1 13	28°30'21	22°59	6°46	10°49	12°22	19°42	27°58	21°46	8°21	25° 7	24°16	23°52	20°58	27° 6	T 21
F 22	2 5 10	29°30'16	4 <u>Ω</u> 49	8°20	12° 4	13° 2	19°49	28° 5	21°44	8°20	25° 7	24°17	23°49	21° 5	27° 3	F 22
S 23	2 9 6	0MJ30'12	16°36	9°54	13°19	13°41	19°56	28°12	21°41	8°19	25° 7	24°17	23°46	21°12	27° 0	S 23
S 24	2 13 3	1°30'10	28°23	11°28	14°34	14°20	20° 3	28°19	21°39	8°18	25° 7	24°R17	23°42	21°18	26°58	S 24
M25	2 16 59	2°30'11	10 M .13	13° 1	15°49	15° 0	20°11	28°27	21°37	8°17	25°R 7	24°17	23°39	21°25	26°55	M25
T 26	2 20 56	3°30'13	22° 6	14°33	17° 4	15°39	20°19	28°34	21°34	8°16	25° 7	24°16	23°36	21°32	26°52	T 26
W27	2 24 52	4°30'17	4 ₹ 6	16° 5	18°19	16°18	20°26	28°41	21°32	8°16	25° 7	24°14	23°33	21°38	26°49	W27
T 28	2 28 49	5°30'23	16°15	17°37	19°34	16°58	20°34	28°48	21°30	8°15	25° 7	24°13	23°30	21°45	26°46	T 28
F 29	2 32 45	6°30'31	28°35	19° 8	20°49	17°37	20°42	28°56	21°27	8°14	25° 7	24°11	23°27	21°51	26°42	F 29
S 30	2 36 42	7°30'41	11 궁 9	20°38	22° 4	18°17	20°50	29° 3	21°25	8°14	25° 7	24°10	23°23	21°58	26°39	S 30
S 31	2 40 39	8MJ30'52	23 る 59	22 M 9	23 M .19	18 ≏ 56	20 궁 59	29 ₽ 10	21822	8 ∺ 13	2595 7	24 Y 8	23 Y 20	22 º 5	26 8 36	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 d	cl d	ecl decl lat
F 1 S 2	3 s26 3 50					22 s47 0 s31 22 47 0 31	7 s47 2n16 7 50 2 16	18n 7 0s18 18 7 0 18		23n25 2n17 23 25 2 18	9n26 9r 9 27 9		s51 16n19 3 s30 54 16 18 3 30
S 3 M 4	4 13 4 36		1 20 1 28 2 6 1 23			22 46 0 31 22 46 0 31	7 53 2 16 7 55 2 16				9 27 9 9 27 9		58 16 17 3 30 1 16 17 3 31
T 5 W 6 T 7	5 0 5 23	22 12 5 3 17 14 4 31	2 52 1 18 3 38 1 13	3 7 45 0 56	0 s12 0 55	22 45 0 31 22 45 0 31	7 58 2 16 8 1 2 16	18 5 0 18	9 15 0 58	23 26 2 18	9 26 9	-	4 16 16 3 31 8 16 15 3 31
F 8 S 9	5 46 6 9 6 32	4 17 2 35	4 23 1 5 5 9 1 1 5 53 0 55	8 44 0 52	0 43 0 54	22 44 0 31 22 44 0 31 22 43 0 31	8 3 2 16 8 6 2 16 8 8 2 16	18 4 0 18	9 16 0 58		9 25 9 9 25 9 9 25 9	32 7	11 16 15 3 32 14 16 14 3 32 18 16 13 3 32
S 10 M11 T 12	6 54 7 17	16 30 1 30		3 10 11 0 46	1 31 0 53	22 42 0 31 22 42 0 31	8 11 2 15 8 14 2 15	18 2 0 18	9 17 0 58	23 26 2 19	9 25 9 9 25 9	28 7	21 16 12 3 32 24 16 11 3 33 28 16 11 3 23
W13 T 14	7 40 8 2 8 25	21 53 2 46 25 47 3 49 27 57 4 36	8 49 0 30	11 7 0 42	2 2 0 52	22 41 0 31 22 40 0 31 22 39 0 31		18 1 0 18	9 18 0 58	23 26 2 19	9 25 9 9 25 9 9 25 9	26 7	28 16 11 3 33 31 16 10 3 33 34 16 9 3 33
F 15 S 16	8 47 9 9	27 1 5 18	10 54 0 10			22 38 0 31 22 38 0 31	8 24 2 15 8 27 2 15		9 19 0 58	23 26 2 19 23 26 2 19	9 25 9 9 25 9		38 16 8 3 34 41 16 7 3 34
S 17 M18 T 19 W20		20 31 4 54 15 55 4 22	12 54 0 11	1 13 24 0 31 1 13 51 0 29	3 21 0 51 3 37 0 50	22 37 0 31 22 36 0 31 22 35 0 31 22 34 0 31	8 29 2 15 8 32 2 15 8 35 2 15 8 37 2 15	17 59 0 18 17 58 0 18	9 20 0 58 9 20 0 58	23 26 2 20 23 26 2 20	9 25 9 9 25 9 9 25 9 9 25 9	20 7 19 7	44 16 7 3 34 48 16 6 3 34 51 16 5 3 35 54 16 4 3 35
T 21 F 22 S 23	10 58 11 19 11 40	5 19 2 45 0s17 1 46	14 11 0 24 14 48 0 31	1 14 43 0 25	4 8 0 50 4 24 0 49	22 33 0 31 22 32 0 31 22 31 0 31	8 40 2 15 8 42 2 15	17 57 0 18	9 21 0 58 9 21 0 58		9 26 9 9 26 9 9 26 9	17 7 16 8	
S 24 M25 T 26	12 22	11 16 0s23 16 17 1 27 20 43 2 28	16 0 0 44 16 35 0 51 17 9 0 53		5 11 0 48	22 30 0 31 22 29 0 31 22 28 0 31	8 47 2 15 8 50 2 15 8 53 2 15	17 55 0 18	9 22 0 57	23 27 2 21			7 16 1 3 36 11 16 0 3 36 14 15 59 3 36
W27 T 28 F 29	13 3	24 20 3 23 26 55 4 10	17 42 1 4	1 17 9 0 10 0 17 32 0 8	5 42 0 47 5 57 0 47	22 26 0 31 22 25 0 31 22 25 0 31 22 24 0 31	8 55 2 15 8 58 2 15 9 0 2 15	17 53 0 18 17 53 0 18	9 22 0 57 9 23 0 57	23 27 2 21	9 25 9 9 24 9 9 24 9	10 8 8 8	17 15 58 3 36 21 15 57 3 37 24 15 56 3 37
S 30	14 3	28 8 5 9	19 16 1 22	2 18 16 0 3	6 28 0 46	22 23 0 31 22 s22 0 s31	9 3 2 15	17 52 0 18 17n51 0s18	9 23 0 57	23 28 2 21 23n28 2n21	9 23 9	6 8	27 15 55 3 37 s31 15n54 3 s37

Julian Day Number = 2337863.5, Delta T = 19.02 sec Ecliptic obliquity = $23^{\circ}28'56$, Nutation = - $0^{\circ}00'08$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}23'44$, Lahiri = $19^{\circ}30'44$ Greg. Calendar

NOVEMBER 1688 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ)/(¥	Р	n	v	Ç	Š	Day
M 1	2 44 35	9 M 31'04	7≈ 8	23 M .38	24M34	19 ₾ 36	21중 7	29 ₽ 17	21°R20	8°R12	25°R 7	24°D 8	23 Y 17	22 ₽ 11	26°R33	M 1
T 2	2 48 32	10°31'18	20°40	25° 8	25°49	20°15	21°16	29°24	21818	8) 12	2595 6	24 Y 8	23°14	22°18	26 8 30	T 2
W 3	2 52 28	11°31'33	4) (34	26°37	27° 4	20°55	21°25	29°32	21°15	8°11	25° 6	24° 9	23°11	22°25	26°27	W 3
T 4	2 56 25	12°31'50	18°52	28° 5	28°19	21°35	21°33	29°39	21°13	8°11	25° 6	24°10	23° 8	22°31	26°23	T 4
F 5	3 0 21	13°32'08	3 Y 31	29°33	29°34	22°14	21°42	29°46	21°10	8°10	25° 6	24°12	23° 4	22°38	26°20	F 5
S 6	3 4 18	14°32'28	18°27	1 ×7 1	0 ∡ 748	22°54	21°51	29°53	21° 8	8°10	25° 5	24°R12	23° 1	22°45	26°17	S 6
S 7	3 8 14	15°32'49	3 8 34	2°27	2° 3	23°34	22° 1	0 m 0	21° 5	8°10	25° 5	24°12	22°58	22°51	26°14	S 7
M 8	3 12 11	16°33'12	18°41	3°54	3°18	24°13	22°10	0° 7	21° 3	8° 9	25° 5	24°11	22°55	22°58	26°10	M 8
T 9	3 16 8	17°33'37	3 Ⅱ 41	5°19	4°33	24°53	22°20	0°14	21° 0	8° 9	25° 4	24° 8	22°52	23° 5	26° 7	T 9
W10	3 20 4	18°34'03	18°24	6°44	5°48	25°33	22°29	0°21	20°58	8° 9	25° 4	24° 5	22°48	23°11	26° 4	W10
T 11	3 24 1	19°34'32	29544	8° 9	7° 3	26°13	22°39	0°28	20°55	8° 8	25° 4	24° 1	22°45	23°18	26° 0	T 11
F 12	3 27 57	20°35'02	16°37	9°32	8°18	26°52	22°49	0°35	20°53	8° 8	25° 3	23°58	22°42	23°25	25°57	F 12
S 13	3 31 54	21°35'34	0Ω 1	10°55	9°33	27°32	22°59	0°42	20°50	8° 8	25° 3	23°55	22°39	23°31	25°54	S 13
S 14	3 35 50	22°36'07	12°59	12°16	10°48	28°12	23° 9	0°49	20°48	8° 8	25° 2	23°53	22°36	23°38	25°50	S 14
M15	3 39 47	23°36'43	25°33	13°36	12° 3	28°52	23°19	0°56	20°45	8° 7	25° 2	23°D53	22°33	23°44	25°47	M15
T 16	3 43 44	24°37'20	7 M)48	14°55	13°18	29°32	23°29	1° 3	20°43	8° 7	25° 1	23°54	22°29	23°51	25°43	T 16
W17	3 47 40	25°37'59	19°49	16°13	14°32	0 m 12	23°40	1°10	20°40	8° 7	25° 1	23°55	22°26	23°58	25°40	W17
T 18	3 51 37	26°38'39	1 ≏ 40	17°29	15°47	0°52	23°50	1°17	20°38	8° 7	25° 0	23°57	22°23	24° 4	25°37	T 18
F 19	3 55 33	27°39'21	13°27	18°43	17° 2	1°32	24° 1	1°23	20°35	8°D 7	24°59	23°59	22°20	24°11	25°33	F 19
S 20	3 59 30	28°40'05	25°13	19°54	18°17	2°12	24°12	1°30	20°33	8° 7	24°59	23°R59	22°17	24°18	25°30	S 20
S 21	4 3 26	29°40'50	7 M 3	21° 4	19°32	2°52	24°23	1°37	20°30	8° 7	24°58	23°58	22°14	24°24	25°26	S 21
M22	4 7 23	0 ҂ 41'37	18°58	22°10	20°47	3°32	24°34	1°43	20°28	8° 7	24°58	23°55	22°10	24°31	25°23	M22
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W24	4 15 16	2°43'14	13°14	24°13	23°17	4°52	24°56	1°57	20°23	8° 8	24°56	23°44	22° 4	24°44	25°16	W24
T 25	4 19 13	3°44'05	25°38	25° 8	24°32	5°32	25° 7	2° 3	20°20	8° 8	24°55	23°37	22° 1	24°51	25°13	T 25
F 26	4 23 9	4°44'57	8 ට 13	25°58	25°46	6°12	25°19	2°10	20°18	8° 8	24°55	23°29	21°58	24°58	25°10	F 26
S 27	4 27 6	5°45'49	21° 1	26°43	27° 1	6°53	25°30	2°16	20°16	8° 9	24°54	23°22	21°54	25° 4	25° 6	S 27
S 28	4 31 2	6°46'43	4≈ 1	27°22	28°16	7°33	25°42	2°23	20°13	8° 9	24°53	23°16	21°51	25°11	25° 3	S 28
M29	4 34 59	7°47'38	17°15	27°53	29°31	8°13	25°53	2°29	20°11	8° 9	24°52	23°12	21°48	25°17	25° 0	M29
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S 6	16 14	6n46 0 32	22 21	1 59 20 36 0 1	8 15 0 4	4 22 13 0 32	9 20 2 16	17 47 0 18	9 24 0 57	23 29 2 22	9 24	8 58	8 50	15 49 3 38
S 7	16 31	13 32 0n51	22 43 2	2 4 20 54 0 1	7 8 30 0 4	3 22 12 0 32	9 23 2 16	17 46 0 18	9 25 0 57	23 29 2 22	9 24	8 57	8 54	15 48 3 38
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S 13	18 12	25 16 5 12	24 31 2	2 25 22 27 0 3	2 9 59 0 4	1 22 2 0 32	9 37 2 16	17 43 0 18	9 25 0 57	23 30 2 23	9 18	8 50	9 13	15 43 3 39
S 14	18 27	21 41 4 57	24 44 2	2 27 22 41 0 3	5 10 14 0 4	0 22 1 0 32	9 39 2 16	17 42 0 18	9 25 0 57	23 30 2 23	9 17	8 48	9 17	15 42 3 39
M15	18 43	17 13 4 28	24 56 2	2 29 22 53 0 3	7 10 28 0 4	0 21 59 0 32	9 42 2 16	17 41 0 18	9 25 0 57	23 31 2 23	9 17	8 47	9 20	15 41 3 40
T 16	18 58	12 10 3 47	25 7 2	2 30 23 5 0 4	0 10 43 0 3	9 21 57 0 32	9 44 2 16	17 41 0 18	9 25 0 57	23 31 2 23	9 17	8 46	9 23	15 40 3 40
W17	19 12		1			9 21 56 0 32	9 46 2 16	17 40 0 18	9 25 0 57		9 18	8 45		15 39 3 40
T 18	19 26					9 21 54 0 32		17 39 0 18				8 44		15 38 3 40
F 19	19 40		1			8 21 52 0 32		17 39 0 18			9 19	8 42		15 37 3 40
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S 21	20 7	15 0 1 11	25 39 2	2 28 23 55 0 5	1 11 54 0 3	7 21 48 0 32	9 55 2 17	17 37 0 18	9 25 0 57	23 32 2 24	9 19	8 40	9 40	15 35 3 40
M22	20 20	19 36 2 12	25 41 2	2 26 24 3 0 5	4 12 8 0 3	7 21 46 0 32	9 57 2 17	17 37 0 18	9 25 0 57	23 32 2 24	9 18	8 39	9 43	15 35 3 40
T 23	20 32	23 28 3 8	25 41 2	2 23 24 10 0 5	5 12 22 0 3	6 21 44 0 32	10 0 2 17	17 36 0 18	9 25 0 57	23 32 2 24	9 16	8 38	9 46	15 34 3 40
W24	20 44	26 20 3 56	25 40 2	2 19 24 17 0 5	8 12 36 0 3	6 21 42 0 32	10 2 2 17	17 35 0 18	9 25 0 57	23 33 2 24	9 14	8 37	9 49	15 33 3 40
T 25	20 56	27 58 4 33	25 37 2			5 21 40 0 32		17 35 0 18	9 25 0 57	23 33 2 24	9 11	8 35		15 32 3 40
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S 27	21 18	26 55 5 9	25 27 2	2 1 24 31 1	5 13 18 0 3	4 21 36 0 32	10 8 2 17	17 33 0 18	9 25 0 57	23 33 2 25	9 5	8 33	9 59	15 30 3 41
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T 30	21 s49	15 s 3 4 s 5	25 s 0	1 s 32 24 s 39 1 s 1	1 13 s58 0n3	3 21 s30 0 s32	10s14 2n18	17n32 0s18	9s24 0s57	23n34 2n25	9n 1	8n29	10s 9	15n28 3 s41

Julian Day Number = 2337894.5, Delta T = 18.97 sec Ecliptic obliquity = 23°28'56, Nutation = -0°00'08, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 20°23'48, Lahiri = 19°30'49Greg. Calendar

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T 2	4 46 48	10°50'25	28°31	28°R37	3°15	10°14	26°29	2°48	208 4	8°10	24950	23 Y 10	21°39	25°37	24 8 50	T 2
F 3	4 50 45	11°51'22	12 Y 49	28°33	4°30	10°54	26°41	2°54	20° 2	8°11	24°49	23°11	21°35	25°44	24°47	F 3
S 4	4 54 42	12°52'20	27°21	28°17	5°45	11°35	26°53	3° 0	19°59	8°11	24°48	23°R12	21°32	25°51	24°44	S 4
S 5	4 58 38	13°53'19	128 5	27°50	7° 0	12°15	27° 5	3° 6	19°57	8°12	24°47	23°10	21°29	25°57	24°40	S 5
M 6	5 2 3 5	14°54'18	26°54	27°11	8°15	12°55	27°17	3°12	19°55	8°13	24°46	23° 6	21°26	26° 4	24°37	M 6
T 7	5 631	15°55'19	11 Ⅱ 40	26°21	9°29	13°36	27°29	3°18	19°53	8°13	24°45	23° 0	21°23	26°11	24°34	T 7
W 8	5 10 28	16°56'20	26°17	25°21	10°44	14°16	27°42	3°24	19°51	8°14	24°44	22°52	21°20	26°17	24°31	W 8
T 9	5 14 24	17°57'22	10935	24°12	11°59	14°57	27°54	3°30	19°48	8°15	24°43	22°42	21°16	26°24	24°28	T 9
F 10	5 18 21	18°58'24	24°31	22°56	13°14	15°37	28° 7	3°36	19°46	8°15	24°42	22°33	21°13	26°31	24°25	F 10
S 11	5 22 17	19°59'28	8 N 0	21°35	14°28	16°18	28°19	3°42	19°44	8°16	24°41	22°25	21°10	26°37	24°22	S 11
S 12	5 26 14	21° 0'32	21° 3	20°12	15°43	16°58	28°32	3°48	19°42	8°17	24°40	22°18	21° 7	26°44	24°19	S 12
M13	5 30 11	22° 1'37	3 Mp 42	18°50	16°58	17°39	28°45	3°53	19°40	8°18	24°39	22°14	21° 4	26°51	24°16	M13
T 14	5 34 7	23° 2'43	16° 0	17°31	18°12	18°20	28°57	3°59	19°38	8°18	24°38	22°12	21° 0	26°57	24°13	T 14
W15	5 38 4	24° 3'50	28° 2	16°19	19°27	19° 0	29°10	4° 4	19°36	8°19	24°37	22°D12	20°57	27° 4	24°10	W15
T 16	5 42 0	25° 4'58	9 ≏ 53	15°14	20°42	19°41	29°23	4°10	19°34	8°20	24°36	22°12	20°54	27°10	24° 8	T 16
F 17	5 45 57	26° 6'06	21°40	14°19	21°56	20°22	29°36	4°15	19°32	8°21	24°34	22°R13	20°51	27°17	24° 5	F 17
S 18	5 49 53	27° 7'15	3 M 27	13°34	23°11	21° 2	29°49	4°20	19°31	8°22	24°33	22°12	20°48	27°24	24° 2	S 18
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M20	5 57 46	29° 9'35	27°21	12°36	25°40	22°24	0°16	4°31	19°27	8°24	24°31	22° 4	20°41	27°37	23°57	M20
T 21	6 1 43	0 궁 10'46	9 ₹ 35	12°22	26°55	23° 5	0°29	4°36	19°25	8°25	24°30	21°56	20°38	27°44	23°54	T 21
W22	6 5 40	1°11'57	2 <u>2</u> ° 2	12°D19	28° 9	23°46	0°42	4°41	19°24	8°26	24°29	21°45	20°35	27°50	23°52	W22
T 23	6 9 36	2°13'08	4 ठ 44	12°26	29°24	24°26	0°55	4°46	19°22	8°28	24°27	21°32	20°32	27°57	23°49	T 23
F 24	6 13 33	3°14'20	17°40	12°40	0≈38	25° 7	1° 9	4°51	19°20	8°29	24°26	21°19	20°29	28° 4	23°47	F 24
S 25	6 17 29	4°15'32	0≈50	13° 3	1°53	25°48	1°22	4°56	19°19	8°30	24°25	21° 7	20°26	28°10	23°45	S 25
S 26	6 21 26	5°16'43	14°11	13°33	3° 7	26°29	1°36	5° 1	19°17	8°31	24°24	20°56	20°22	28°17	23°42	S 26
M27	6 25 22	6°17'55	27°42	14° 9	4°22	27°10	1°49	5° 5	19°16	8°32	24°22	20°48	20°19	28°24	23°40	M27
T 28	6 29 19	7°19'06	11 米 22	14°51	5°36	27°51	2° 3	5°10	19°14	8°34	24°21	20°43	20°16	28°30	23°38	T 28
W29	6 33 16	8°20'17	25°10	15°37	6°50	28°32	2°16	5°14	19°13	8°35	24°20	20°41	20°13	28°37	23°36	W29
T 30	6 37 12	9°21'28	9 Υ 7	16°29	8° 5	29°13	2°30	5°19	19°11	8°36	24°19	20°D40	20°10	28°44	23°34	T 30
F 31	6 41 9	10 ට 22'38	23 Y 12	17 × 724	9 ≈ 19	29 M 54	2≈44	5 M 23	19 8 10	8 ∺ 38	249517	20°R40	20 Υ 6	28 ≏ 50	23 8 32	F 31

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S 19 M20 T 21 W22 T 23 F 24 S 25	23 28	18 22 2 0 22 27 2 50 25 37 3 4 27 36 4 2 28 12 4 4 27 17 5	0 19 23 5 19 20 4 19 20 2 19 22 9 19 27 1 19 34	3 2 22 5. 3 2 22 4 3 1 22 2 2 58 22 1. 2 54 21 5 2 49 21 4.	3 1 39 17 5 1 1 40 18 7 1 40 18 1 3 1 41 18 2 3 1 42 18 3 3 1 42 18 4	2 0 23 3 0 22 4 0 22 4 0 21 5 0 20 6 0 20	20 43 20 40 20 37 20 34 20 31 20 29 20 26	0 33 0 33 0 33 0 33 0 33	10 49 10 50 10 52 10 54	2 20 2 21 2 21 2 21 2 21 2 21 2 21	17 21 17 21 17 20 17 20	0 17 0 17 0 17 0 17 0 17 0 17	9 19 0 9 18 0 9 18 0 9 17 0 9 17 0 9 16 0	56 23 40 56 23 40 56 23 40 56 23 4 56 23 4 56 23 4 56 23 4	2 27 2 27 2 27 2 27 2 27 2 27 2 27	8 39 8 37 8 33 8 29 8 25 8 20 8 15	8 7 8 6 8 4 8 3 8 2 8 1	11 10	15 14 15 14 15 13 15 13 15 12 15 12	3 41 3 41 3 41 3 40 3 40 3 40 3 40 3 40
T 30	23 23 23 20 23 17 23 13 23 9 23 s 5	16 4 4 1 10 16 3 11 3 55 2 1 2n41 1	7 19 53 2 20 4 2 20 17 2 20 30 1 20 44 3 20 s58	2 29 20 5 2 21 20 3 2 13 20 1 2 5 19 5	3 1 44 19 1 5 1 44 19 2 6 1 44 19 3 7 1 44 19 4	6 0 18 6 0 17 6 0 17 5 0 16	20 23 20 20 20 17 20 14 20 11 20s 8	0 33 0 33 0 33 0 33	11 2 11 3	2 22 2 22 2 22 2 22		0 17 0 17 0 17 0 17	9 15 0 9 14 0 9 14 0 9 13 0	56 23 42 56 23 42 56 23 42 56 23 42 56 23 42 56 23 42	2 28 2 28 2 28 2 28 2 28	8 11 8 8 8 6 8 5 8 5 8n 5	7 57 7 56 7 55 7 54	11 33 11 36 11 39 11 42 11 46 11s49	15 10 15 10 15 9 15 9	3 40 3 40 3 40 3 40 3 40 3 s40

Julian Day Number = 2337924.5, Delta T = 18.93 sec Ecliptic obliquity = $23^{\circ}28'55$, Nutation = - $0^{\circ}00'07$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $20^{\circ}23'52$, Lahiri = $19^{\circ}30'53$ Greg. Calendar