

Astrodienst Ephemeris Tables for the year 1777

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 1777 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ð	4	ħ)∤(¥	Р	ß	Ω	Ç	ķ	Day
W 1	6 43 50	11궁 1'06	1 <u>₽</u> 25	11중 9	16≈ 1	6 ₽ 57	21°R25	2 M 1	7°R43	27°R 6	27 ට 31	279521	289 3	9 Ω 35	15 Y 39	W 1
T 2	6 47 47	12° 2'16	13°17	12°46	17°14	7°21	219917	2° 5	7 Ⅱ 41	27 mg 6	27°33	27°R21	28° 0	9°41	15°39	T 2
F 3	6 51 43	13° 3'26	25°11	14°24	18°27	7°45	21° 9	2° 9	7°39	27° 6	27°35	27°21	27°57	9°48	15°40	F 3
S 4	6 55 40	14° 4'36	7 ™ 11	16° 2	19°41	8° 8	21° 1	2°13	7°37	27° 6	27°37	27°20	27°54	9°55	15°40	S 4
S 5	6 59 37	15° 5'47	19°22	17°40	20°54	8°31	20°53	2°17	7°35	27° 6	27°39	27°18	27°51	10° 2	15°41	S 5
M 6	7 3 33	16° 6'57	1 ∡ 148	19°19	22° 7	8°54	20°45	2°20	7°34	27° 5	27°41	27°17	27°47	10°8	15°42	M 6
T 7	7 7 30	17° 8'07	14°31	20°59	23°20	9°17	20°37	2°24	7°32	27° 5	27°43	27°15	27°44	10°15	15°42	T 7
W 8	7 11 26	18° 9'18	27°33	22°39	24°33	9°39	20°29	2°27	7°30	27° 5	27°45	27°14	27°41	10°22	15°43	W 8
T 9	7 15 23	19°10'28	10 ට 54	24°19	25°46	10° 1	20°21	2°30	7°28	27° 4	27°47	27°13	27°38	10°28	15°44	T 9
F 10	7 19 19	20°11'37	24°33	25°59	26°59	10°23	20°13	2°34	7°27	27° 4	27°48	27°D13	27°35	10°35	15°44	F 10
S 11	7 23 16	21°12'47	8 ≈ 27	27°40	28°12	10°45	20° 5	2°37	7°25	27° 3	27°50	27°13	27°32	10°42	15°45	S 11
S 12	7 27 12	22°13'55	22°33	29°22	29°25	11° 6	19°56	2°40	7°23	27° 3	27°52	27°13	27°28	10°49	15°46	S 12
M13	7 31 9	23°15'03	6) €47	1≈ 3	0 ∺ 38	11°26	19°48	2°43	7°22	27° 2	27°54	27°14	27°25	10°55	15°47	M13
T 14	7 35 6	24°16'10	21° 5	2°45	1°50	11°47	19°40	2°46	7°20	27° 2	27°56	27°14	27°22	11° 2	15°48	T 14
W15	7 39 2	25°17'17	5 ℃ 23	4°27	3° 3	12° 6	19°32	2°48	7°19	27° 1	27°58	27°14	27°19	11° 9	15°49	W15
T 16	7 42 59	26°18'22	19°37	6° 9	4°15	12°26	19°24	2°51	7°17	27° 1	28° 0	27°14	27°16	11°16	15°51	T 16
F 17	7 46 55	27°19'26	3 8 47	7°51	5°28	12°45	19°16	2°54	7°16	27° 0	28° 2	27°14	27°13	11°22	15°52	F 17
S 18	7 50 52	28°20'30	17°48	9°34	6°40	13° 4	19° 9	2°56	7°15	26°59	28° 4	27°14	27° 9	11°29	15°53	S 18
S 19	7 54 48	29°21'32	1 Ⅱ 41	11°15	7°52	13°22	19° 1	2°58	7°13	26°59	28° 6	27°14	27° 6	11°36	15°54	S 19
M20	7 58 45	0≈22'34	15°23	12°57	9° 5	13°40	18°53	3° 1	7°12	26°58	28° 8	27°15	27° 3	11°42	15°56	M20
T 21	8 2 41	1°23'35	28°53	14°38	10°17	13°58	18°45	3° 3	7°11	26°57	28°10	27°15	27° 0	11°49	15°57	T 21
W22	8 6 38	2°24'34	129511	16°18	11°29	14°15	18°37	3° 5	7°10	26°57	28°12	27°15	26°57	11°56	15°59	W22
T 23	8 10 35	3°25'33	25°15	17°57	12°41	14°32	18°30	3° 7	7° 9	26°56	28°14	27°R16	26°53	12° 3	16° 0	T 23
F 24	8 14 31	4°26'31	8 0 6	19°34	13°53	14°48	18°22	3° 9	7° 8	26°55	28°16	27°16	26°50	12° 9	16° 2	F 24
S 25	8 18 28	5°27'27	20°43	21°10	15° 4	15° 4	18°15	3°11	7° 7	26°54	28°17	27°15	26°47	12°16	16° 4	S 25
S 26	8 22 24	6°28'23	3 Mp 6	22°44	16°16	15°19	18° 8	3°12	7° 6	26°53	28°19	27°14	26°44	12°23	16° 5	S 26
M27	8 26 21	7°29'18	15°18	24°15	17°27	15°34	18° 0	3°14	7° 5	26°52	28°21	27°13	26°41	12°29	16° 7	M27
T 28	8 30 17	8°30'12	27°20	25°42	18°39	15°49	17°53	3°15	7° 4	26°51	28°23	27°11	26°38	12°36	16° 9	T 28
W29	8 34 14	9°31'05	9 ≏ 16	27° 6	19°50	16° 3	17°46	3°17	7° 3	26°50	28°25	27° 9	26°34	12°43	16°11	W29
T 30	8 38 10	10°31'58	21° 8	28°25	21° 1	16°16	17°39	3°18	7° 2	26°49	28°27	27° 8	26°31	12°50	16°13	T 30
F 31	8 42 7	11≈32'49	3 M 1	29≈39	22 米 13	16 ≏ 29	17932	3 M .19	7 Π 1	26 M 48	28 궁 29	2795 7	26928	12 ≏ 56	16 Y 14	F 31

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T 2	23 s 1 22 55	0 s32 5	1n44 24 s	1 1 5	0 17 s47 3 17 24	1 s48 1 47	0 s36 0 45	2n21 2 22	22 6	0n19 0 19	9s56 9 57	2 25	21n34 21 34	0 3	2n21 2 21	1 18		3 12	20 43		0n41 0 39	7n10 7 10	1n 5
	22 50 22 43		5 16 24 5 12 24			1 47 1 46	0 53 1 2	2 23 2 24		0 19 0 19	9 58 9 59	2 25 2 25			2 21 2 21	1 18 1 18	23 48 23 48	-		20 36 20 36	0 37 0 34	7 10 7 10	1 5 1 5
M 6	22 30	16 17 4	4 21 <mark>24</mark>	6 2	1 16 12 3 15 47 4 15 22	1 44 1 43 1 42	1 10 1 18 1 26	2 26	22 10 22 11 22 13	0 20 0 20 0 20	10 1	2 26	21 33	0 3	2 21 2 21 2 21			3 12		20 37 20 38 20 38	0 32 0 29 0 27	7 10 7 10 7 10	1 5 1 4
W 8 T 9	22 14	20 50 2 21 32 1	2 37 23	37 2 21 2	5 14 56 6 14 30 6 14 4	1 42 1 41 1 39 1 38	1 34 1 42 1 50	2 27 2 28		0 20 0 20 0 20 0 20	10 3 10 4	2 26 2 26	21 32	0 3 0 3	2 22 2 22 2 22 2 22	1 18 1 18	23 46	3 12 3 12	20 44 20 44	20 39	0 27 0 25 0 22 0 20	7 11 7 11 7 11 7 11	1 4 1 4 1 4 1 4
S 12		16 9 2	1 s 2 22 · · · · · · · · · · · · · · · ·	21 2	6 13 37 6 13 10 5 12 42	1 36 1 34 1 33	1 57 2 5 2 12	2 31	22 18 22 19 22 21	0 20 0 21 0 21	10 6	2 27	21 32 21 31 21 31	0 3	2 22 2 22 2 22	1 18	23 45	3 12	20 44 20 44 20 44	20 41	0 18	7 11 7 11 7 12	1 4
T 14 W15	21 17 21 6	7 28 4 2 22 4	1 16 21 1 55 21	34 2 8 2	3 12 15 1 11 47	1 31 1 29	2 19 2 26	2 33 2 34	22 22 22 23	0 21 0 21	10 7 10 8 10 9	2 28 2 28	21 31 21 31	0 3 0 3	2 23 2 23 2 23	1 19 1 19 1 19	23 44 23 44	3 12 3 13	20 44 20 44	20 43 20 43	0 13 0 10 0 8	7 12 7 12 7 12	1 3 1 3
F 17	20 55 20 43 20 31	7 51 5	5 14 20 5 5 15 20 4 57 19	11 1 5		1 27 1 25 1 22	2 33 2 39 2 46	2 35	22 25 22 26 22 27	0 21 0 21 0 21	10 9 10 10 10 10	2 28 2 28 2 29	21 30	0 3	2 24 2 24 2 24	1 19 1 19 1 19		3 13	20 44 20 44 20 44	20 45	0 6 0 3 0 1	7 13 7 13 7 13	1 3 1 3 1 3
M20	20 19 20 6 19 52	19 9 3	4 22 19 3 32 18 1 2 31 18	8 1 4 34 1 4 0 1 3	2 9 23	1 20 1 18 1 15	2 52 2 58 3 4	2 38	22 28 22 29 22 31	0 21 0 22 0 22		2 29 2 29 2 29		0 3	2 24 2 25 2 25	1 19 1 19 1 19	-	3 13		20 46 20 46 20 47	0s 2 0 4 0 6	7 14 7 14 7 15	1 3 1 2
W22 T 23	19 39 19 25	21 32 1 20 56 0	-	23 1 2	9 8 23	1 13 1 10	3 10 3 16	2 40 2 41	22 32 22 33	0 22 0 22	10 13 10 13	2 30 2 30	21 29 21 29	0 3 0 3	2 25 2 26	1 19 1 19	23 42 23 42	3 13 3 13	20 44 20 44	20 48 20 48	0 9 0 11	7 15 7 16	1 2 1 2
S 25			In 0 16 2 6 15		5 6 53	1 7 1 4	3 21 3 26	2 43	22 34 22 35	0 22 0 22	10 14		21 29	0 3	2 26 2 27	1 19	23 41	3 13	20 44	20 49 20 49	0 14 0 16	7 16 7 17	1 2
S 26 M27 T 28	18 41 18 25 18 9		3 6 14 3 56 14 4 34 13	10 0 4	5 5 52	1 1 0 59 0 55	3 31 3 36 3 41	2 45	22 36 22 37 22 39	0 22 0 22 0 22		2 31 2 31 2 31	21 28	0 3	2 27 2 27 2 28	1 19	23 40	3 14	20 44 20 45 20 45		0 18 0 21 0 23	7 17 7 18 7 18	1 2 1 2 1 1
W29 T 30	17 53 17 37 17 s20	0 56 5 3 s24 5	-	50 0 2 10 0	1 4 50 8 4 19	0 52 0 49 0 s46	3 45 3 50 3 s54	2 47 2 47	22 40 22 41 22n42	0 23 0 23	10 15 10 15 10 15	2 31 2 32	21 28 21 28 21 n28	0 3 0 3	2 28 2 29 2n29	1 19 1 19	23 40	3 14 3 14	20 45 20 45	20 52 20 52 20 52 20n53	0 26 0 28 0 s30	7 19 7 19 7n20	1 1 1 1 1n 1

 $\label{eq:Julian Day Number = 2370096.5, Delta T = 22.10 sec} \\ Ecliptic obliquity = 23°28'01, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°37'37, Lahiri = 20°44'37Greg. Calendar \\ \\$

FEBRUARY 1777 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(并	Р	S.	v	Ç	Ŗ	Day
S 1	8 46 4	12≈33'40	14 M 59	0) €48	23) 24	16 ≏ 42	17°R26	3 M 20	7°R 1	26°R47	28 ට 31	27°D 7	26925	13 ₾ 3	16 Y 16	S 1
S 2	8 50 0	13°34'30	27° 8	1°49	24°34	16°53	179519	3°21	7 I 0	26 Mp 46	28°33	2795 7	26°22	13°10	16°18	S 2
M 3	8 53 57	14°35'18	9 ∡ 32	2°43	25°45	17° 5	17°13	3°22	7° 0	26°45	28°35	27° 8	26°18	13°16	16°21	M 3
T 4	8 57 53	15°36'06	22°15	3°29	26°56	17°16	17° 6	3°23	6°59	26°44	28°37	27°10	26°15	13°23	16°23	T 4
W 5	9 1 50	16°36'53	5 云 20	4° 6	28° 6	17°26	17° 0	3°23	6°59	26°43	28°38	27°11	26°12	13°30	16°25	W 5
T 6	9 5 46	17°37'39	18°49	4°33	29°17	17°35	16°54	3°24	6°58	26°41	28°40	27°12	26° 9	13°37	16°27	T 6
F 7	9 9 43	18°38'24	2≈43	4°50	o Υ 27	17°44	16°48	3°24	6°58	26°40	28°42	27°R12	26° 6	13°43	16°29	F 7
S 8	9 13 39	19°39'07	16°58	4°R57	1°37	17°53	16°42	3°25	6°58	26°39	28°44	27°11	26° 3	13°50	16°32	S 8
S 9	9 17 36	20°39'49	1) 31	4°53	2°47	18° 0	16°37	3°25	6°57	26°38	28°46	27° 9	25°59	13°57	16°34	S 9
M10	9 21 33	21°40'29	16°15	4°38	3°57	18° 8	16°31	3°R25	6°57	26°37	28°48	27° 6	25°56	14° 3	16°36	M10
T 11	9 25 29	22°41'08	1 Y 2	4°13	5° 7	18°14	16°26	3°25	6°57	26°35	28°49	27° 2	25°53	14°10	16°39	T 11
W12	9 29 26	23°41'45	15°45	3°39	6°17	18°20	16°21	3°25	6°57	26°34	28°51	26°59	25°50	14°17	16°41	W12
T 13	9 33 22	24°42'20	0 8 18	2°55	7°26	18°25	16°16	3°25	6°D57	26°33	28°53	26°56	25°47	14°24	16°44	T 13
F 14	9 37 19	25°42'53	14°35	2° 4	8°35	18°30	16°11	3°24	6°57	26°31	28°55	26°54	25°44	14°30	16°46	F 14
S 15	9 41 15	26°43'25	28°35	1° 6	9°45	18°34	16° 6	3°24	6°57	26°30	28°57	26°D53	25°40	14°37	16°49	S 15
S 16	9 45 12	27°43'55	12 Ⅱ 17	0° 4	10°53	18°37	16° 2	3°23	6°57	26°28	28°58	26°54	25°37	14°44	16°52	S 16
M17	9 49 8	28°44'23	25°41	28≈59	12° 2	18°39	15°58	3°23	6°57	26°27	29° 0	26°56	25°34	14°51	16°54	M17
T 18	9 53 5	29°44'49	8950	27°52	13°11	18°41	15°54	3°22	6°58	26°26	29° 2	26°57	25°31	14°57	16°57	T 18
W19	9 57 2	0) 45′13	21°44	26°45	14°19	18°42	15°50	3°21	6°58	26°24	29° 3	26°R58	25°28	15° 4	17° 0	W19
T 20	10 0 58	1°45'36	4Ω 26	25°41	15°28	18°R42	15°46	3°20	6°58	26°23	29° 5	26°58	25°24	15°11	17° 3	T 20
F 21	10 4 55	2°45'56	16°57	24°40	16°36	18°42	15°42	3°19	6°59	26°21	29° 7	26°56	25°21	15°17	17° 6	F 21
S 22	10 8 51	3°46'15	29°18	23°43	17°43	18°41	15°39	3°18	6°59	26°20	29° 8	26°53	25°18	15°24	17° 8	S 22
S 23	10 12 48	4°46'32	11 m y31	22°52	18°51	18°39	15°36	3°17	7° 0	26°18	29°10	26°47	25°15	15°31	17°11	S 23
M24	10 16 44	5°46'47	23°35	22° 7	19°59	18°36	15°33	3°15	7° 0	26°17	29°12	26°40	25°12	15°38	17°14	M24
T 25	10 20 41	6°47'00	5 ≏ 34	21°29	21° 6	18°33	15°30	3°14	7° 1	26°15	29°13	26°32	25° 9	15°44	17°17	T 25
W26	10 24 37	7°47'12	17°28	20°58	22°13	18°29	15°27	3°12	7° 1	26°14	29°15	26°25	25° 5	15°51	17°20	W26
T 27	10 28 34	8°47'22	29°20	20°33	23°20	18°24	15°25	3°11	7° 2	26°12	29°17	26°17	25° 2	15°58	17°23	T 27
F 28	10 32 30	9)(47'31	11 M .12	20≈16	24 Y 26	18 ≏ 18	159523	3M 9	7 I I 3	26 Mp 10	29 궁 18	269512	249559	16 ♀ 4	17 Y 26	F 28

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S 1	17s 3	11 s33	5n 1	10s54	0n20	3 s 1 7	0 s42	3 s58	2n49	22n43	0n23	10s15	2n32	21n28	0s 3	2n30	1n19	23 s39	3 s 1 4	20n46	20n54	0s33	7n21	1n 1
S 2	16 46	15 6	4 34	10 18	0 35	2 45	0 39	4 1	2 50	22 43	0 23	10 15	2 32	21 28	0 3	2 30	1 19	23 39	3 14	20 46	20 54	0 35	7 21	1 1
M 3	16 29	18 3	3 54	9 44	0 51	2 14	0 35	4 5	2 51	22 44	0 23	10 15	2 33	21 28	0 3	2 31	1 19	23 38	3 14	20 45	20 55	0 38	7 22	1 1
T 4	16 11	20 14	3 1	9 12	1 7	1 43	0 32	4 8	2 52	22 45	0 23	10 15	2 33	21 28	0 3	2 31	1 19	23 38	3 14	20 45	20 55	0 40	7 23	1 1
W 5	15 52	21 24	1 58	8 44	1 23	1 11	0 28	4 11	2 53	22 46	0 23	10 15	2 33	21 27	0 3	2 32	1 20	23 38	3 14	20 45	20 56	0 42	7 23	1 0
T 6	15 34	21 23	0 46	8 18	1 40	0 40	0 24	4 14	2 54	22 47	0 23	10 15	2 34	21 27	0 3	2 32	1 20	23 37	3 15	20 45	20 57	0 45	7 24	1 0
F 7	15 15	20 4	0s30	7 57	1 56	0 8	0 21	4 17	2 55	22 48	0 23	10 15	2 34	21 27	0 3	2 33	1 20	23 37	3 15	20 45	20 57	0 47	7 25	1 0
S 8	14 56	17 28	1 47	7 39	2 13	0n23	0 17	4 19	2 56	22 49	0 24	10 15	2 34	21 27	0 3	2 33	1 20	23 37	3 15	20 45	20 58	0 50	7 26	1 0
S 9	14 37	13 43	2 58	7 26	2 28	0 55	0 13	4 21	2 56	22 49	0 24	10 15	2 34	21 27	0 3	2 34	1 20	23 37	3 15	20 45	20 58	0 52	7 27	1 0
M10	14 18	9 5	3 58	7 17	2 43	1 26	0 9	4 23	2 57	22 50	0 24	10 15	2 35	21 27	0 3	2 34	1 20	23 36	3 15	20 46	20 59	0 54	7 27	1 0
T 11	13 58	3 54	4 42	7 13	2 57	1 58	0 5	4 25	2 58	22 51	0 24	10 14	2 35	21 27	0 2	2 35	1 20	23 36	3 15	20 47	21 0	0 57	7 28	1 0
W12	13 38	1n29	5 7	7 14	3 10	2 29	0 1	4 26	2 59	22 52	0 24	10 14	2 35	21 27	0 2	2 35	1 20	23 36	3 15	20 47	21 0	0 59	7 29	1 0
T 13	13 18	6 42	5 13	7 19	3 21	3 0	0n 3	4 27	3 0	22 52	0 24	10 14	2 35	21 27	0 2	2 36	1 20	23 36	3 15	20 48	21 1	1 2	7 30	0 59
F 14	12 58	11 28	4 59	7 29	3 30	3 32	0 8	4 28	3 1	22 53	0 24	10 14	2 36	21 27	0 2	2 36	1 20	23 35	3 16	20 48	21 1	1 4	7 31	0 59
S 15	12 37	15 32	4 27	7 43	3 37	4 3	0 12	4 29	3 2	22 54	0 24	10 13	2 36	21 27	0 2	2 37	1 20	23 35	3 16	20 48	21 2	1 7	7 32	0 59
S 16	12 17	18 39	3 40	8 0	3 41	4 34	0 16	4 29	3 2	22 54	0 24	10 13	2 36	21 27	0 2	2 38	1 20	23 35	3 16	20 48	21 3	1 9	7 33	0 59
M17	11 56	20 41	2 43	8 21	3 44	5 5	0 21	4 30	3 3	22 55	0 24	10 12	2 36	21 27	0 2	2 38	1 20	23 35	3 16	20 48	21 3	1 11	7 34	0 59
T 18	11 34	21 33	1 38	8 43	3 44	5 36	0 25	4 30	3 4	22 55	0 24	10 12	2 37	21 27	0 2	2 39	1 20	23 34	3 16	20 47	21 4	1 14	7 34	0 59
W19	11 13	21 14	0 29	9 8	3 42	6 6	0 30	4 29	3 5	22 56	0 24	10 11	2 37	21 28	0 2	2 39	1 20	23 34	3 16	20 47	21 4	1 16	7 35	0 59
T 20	10 52	19 50	0n41	9 33	3 38	6 37	0 34	4 29	3 5	22 56	0 24	10 11	2 37	21 28	0 2	2 40	1 20	23 34	3 16	20 47	21 5	1 19	7 36	0 59
F 21	10 30	17 28	1 47	9 59	3 32	7 8	0 39	4 28	3 6	22 57	0 24	10 10	2 37	21 28	0 2	2 41	1 20	23 34	3 16	20 48	21 6	1 21	7 37	0 59
S 22	10 8	14 20	2 47	10 25	3 24	7 38	0 43	4 27	3 7	22 57	0 25	10 10	2 38	21 28	0 2	2 41	1 20	23 33	3 17	20 48	21 6	1 24	7 38	0 58
S 23	9 46	10 37	3 38	10 51	3 14	8 8	0 48	4 26		22 58	0 25			21 28	0 2	2 42	1 20	23 33	-	20 49			7 39	0 58
M24	9 24	6 31	4 19	11 15	3 4	8 38	0 53	4 24	3 8	22 58	0 25	10 8	2 38	21 28	0 2	2 42	1 20	23 33	3 17	20 51	21 7	1 28	7 40	0 58
T 25	9 2	2 12	4 49	11 39	2 52	9 8	0 57	4 22	3 8	22 58	0 25	10 8	2 38	21 28	0 2	2 43	1 20	23 33	3 17	20 52	21 8	1 31	7 41	0 58
W26	8 40	2s10	5 5	12 0	2 40	9 37	1 2	4 20	3 9	22 59	0 25	10 7	2 38	21 28	0 2	2 44	1 20	23 33		20 54		1 33	7 43	0 58
T 27	8 17	6 26	5 8	12 20	2 26	10 7	1 7	4 18	3 10	22 59	0 25	10 6	2 39	21 28	0 2	2 44	1 20	23 32	3 17	20 55	21 9	1 36	7 44	0 58
F 28	7 s54	10 s29	4n58	12 s 3 9	2n13	10n36	1n12	4 s 1 5	3n10	22n59	0n25	10s 5	2n39	21n28	0s 2	2n45	1n20	$23\mathrm{s}32$	3 s 1 7	20n56	21n10	1 s38	7n45	0n58

Julian Day Number = 2370127.5, Delta T = 22.10 sec Ecliptic obliquity = 23°28'02, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°37'41, Lahiri = 20°44'41Greg. Calendar

MARCH 1777 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)f(并	В	n	v	Ç	Ŗ	Day
S 1	10 36 27	10) (47'38	23M 9	20°R 6	25 Y 33	18°R12	15°R21	3°R 7	7 Ⅱ 4	26°R 9	29 궁 20	26°R 8	24956	16 ₽ 11	17 Y 29	S 1
S 2	10 40 24	11°47'43	5 ₹ 15	20°D 2	26°39	18 ♀ 4	15919	3M 5	7° 5	26Mp 7	29°21	2695 6	24°53	16°18	17°33	S 2
M 3	10 44 20	12°47'47	17°35	20≈ 5	27°45	17°56	15°17	3° 3	7° 6	26° 6	29°23	26°D 6	24°50	16°25	17°36	M 3
T 4	10 48 17	13°47'49	0 궁 12	20°14	28°50	17°48	15°16	3° 1	7° 7	26° 4	29°24	26° 7	24°46	16°31	17°39	T 4
W 5	10 52 13	14°47'50	13°13	20°29	29°56	17°38	15°14	2°59	7° 8	26° 2	29°26	26° 8	24°43	16°38	17°42	W 5
T 6	10 56 10	15°47'49	26°39	20°49	18 1	17°28	15°13	2°57	7° 9	26° 1	29°27	26°R 9	24°40	16°45	17°45	T 6
F 7	11 0 6	16°47'46	10≈34	21°14	2° 6	17°16	15°13	2°54	7°10	25°59	29°29	26° 8	24°37	16°52	17°49	F 7
S 8	11 4 3	17°47'42	24°57	21°45	3°10	17° 4	15°12	2°52	7°11	25°58	29°30	26° 5	24°34	16°58	17°52	S 8
S 9	11 7 59	18°47'35	9) 44	22°19	4°15	16°52	15°11	2°49	7°12	25°56	29°31	25°59	24°30	17° 5	17°55	S 9
M10	11 11 56	19°47'27	24°47	22°58	5°19	16°38	15°11	2°47	7°13	25°54	29°33	25°52	24°27	17°12	17°59	M10
T 11	11 15 53	20°47'17	9 Υ 58	23°41	6°22	16°24	15°D11	2°44	7°15	25°53	29°34	25°43	24°24	17°18	18° 2	T 11
W12	11 19 49	21°47'04	25° 6	24°27	7°26	16° 9	15°11	2°41	7°16	25°51	29°35	25°35	24°21	17°25	18° 5	W12
T 13	11 23 46	22°46'50	108 1	25°17	8°29	15°54	15°11	2°38	7°18	25°49	29°37	25°27	24°18	17°32	18° 9	T 13
F 14	11 27 42	23°46'33	24°35	26°10	9°32	15°38	15°12	2°35	7°19	25°48	29°38	25°22	24°15	17°39	18°12	F 14
S 15	11 31 39	24°46'14	8∏45	27° 6	10°34	15°21	15°13	2°32	7°21	25°46	29°39	25°18	24°11	17°45	18°16	S 15
S 16	11 35 35	25°45'53	22°29	28° 5	11°36	15° 3	15°13	2°29	7°22	25°44	29°41	25°D17	24° 8	17°52	18°19	S 16
M17	11 39 32	26°45'29	5950	29° 6	12°38	14°45	15°15	2°26	7°24	25°43	29°42	25°17	24° 5	17°59	18°23	M17
T 18	11 43 28	27°45'03	18°48	0 ∺ 11	13°39	14°26	15°16	2°22	7°25	25°41	29°43	25°R18	24° 2	18° 5	18°26	T 18
W19	11 47 25	28°44'35	1 Q 30	1°17	14°40	14° 7	15°17	2°19	7°27	25°39	29°44	25°18	23°59	18°12	18°30	W19
T 20	11 51 22	29°44'04	13°56	2°26	15°41	13°47	15°19	2°16	7°29	25°38	29°45	25°16	23°55	18°19	18°33	T 20
F 21	11 55 18	0 Υ 43'31	26°12	3°37	16°41	13°27	15°21	2°12	7°31	25°36	29°46	25°12	23°52	18°26	18°37	F 21
S 22	11 59 15	1°42'56	8 m 20	4°50	17°41	13° 6	15°23	2° 9	7°33	25°34	29°47	25° 5	23°49	18°32	18°40	S 22
S 23	12 3 11	2°42'19	20°22	6° 5	18°40	12°45	15°25	2° 5	7°34	25°33	29°49	24°55	23°46	18°39	18°44	S 23
M24	12 7 8	3°41'40	2 ≏ 20	7°22	19°39	12°24	15°27	2° 1	7°36	25°31	29°50	24°44	23°43	18°46	18°47	M24
T 25	12 11 4	4°40'58	14°14	8°41	20°37	12° 2	15°30	1°58	7°38	25°29	29°51	24°30	23°40	18°53	18°51	T 25
W26	12 15 1	5°40'15	26° 7	10° 1	21°35	11°40	15°33	1°54	7°40	25°28	29°52	24°17	23°36	18°59	18°55	W26
T 27	12 18 57	6°39'29	7 M 59	11°23	22°33	11°17	15°36	1°50	7°42	25°26	29°53	24° 5	23°33	19° 6	18°58	T 27
F 28	12 22 54	7°38'42	19°54	12°48	23°29	10°55	15°39	1°46	7°45	25°25	29°54	23°54	23°30	19°13	19° 2	F 28
S 29	12 26 51	8°37'53	1 ₹ 52	14°13	24°26	10°32	15°42	1°42	7°47	25°23	29°54	23°46	23°27	19°19	19° 6	S 29
S 30	12 30 47	9°37'02	13°58	15°40	25°22	10° 9	15°46	1°38	7°49	25°21	29°55	23°41	23°24	19°26	19° 9	S 30
M31	12 34 44	10 Y 36'09	26 ₹ 16	17 ∺ 9	26817	9 ≏ 46	159549	1 M .34	7 Ⅱ 51	25 m 20	29 궁 56	23938	239521	19 ≏ 33	19 Y 13	M31

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S 1	7 s32	14 s 8 4n35	12 s55	1n59 11n 5	1n17 4s12	3n10	23n 0	0n25	10s 4	2n39	21n29	0s 2	2n46	1n20	23 s32	3 s 1 8	20n57	21n10	1 s41	7n46	0n58
S 2	7 9	17 16 4 0	13 9	1 45 11 33	1 21 4 9	3 11	23 0	0 25	10 4	2 39	21 29	0 2	2 46	1 20	23 32	3 18	20 57	21 11	1 43	7 47	0 58
M 3	6 46		-	1 31 12 2	1 26 4 6	3 11	23 0	0 25	10 3	2 40			2 47	1 20	23 32			21 11	1 45	7 48	0 58
T 4	6 23				1 31 4 2	3 11	23 0	0 25	10 2	2 40				-	23 31			21 12	1 48	7 49	0 57
W 5					1 36 3 58	3 12		0 25	10 1	2 40				-	23 31			21 12	1 50	7 50	0 57
T 6					1 41 3 54	3 12		0 25	10 0	2 40				-	23 31			21 13	1 53	7 51	0 57
F 7 S 8					1 46 3 50 1 51 3 45	3 12 3 12		0 25 0 25	9 59 9 58	2 40 2 41				-	23 31 23 31			21 14 21 14	1 55 1 58	7 53 7 54	0 57 0 57
	4 30				1 31 3 43							0 2			23 31				1 36		
S 9	4 26				1 56 3 40	3 12	-	0 25	9 57				-	-	23 31			21 15	2 0	7 55	0 57
M10	4 3	6 5 4 22			2 1 3 35	3 12	-	0 25	9 56	2 41	21 30		2 52	-	23 31	3 19		21 15	2 3	7 56	0 57
T 11	3 39				2 6 3 30	3 12		0 25	9 55		21 31	0 2	2 52	-	23 30	3 19		21 16	2 5	7 57	0 57
W12	3 16				2 11 3 24	3 12		0 25	9 53		_	0 2		- 1	23 30	3 19		21 16	2 7	7 58	0 57
T 13 F 14	2 52				2 16 3 19	3 12		0 25	9 52		-	0 2	-		23 30	3 19 3 20		21 17	2 10	8 0	0 57
S 15	-				2 21 3 13 2 25 3 7	3 12 3 11		0 26 0 26	9 51 9 50		21 31 21 32	0 2 0 2			23 30 23 30	3 20		21 17 21 18	2 12 2 15	8 1 8 2	0 56 0 56
			13 19 (0 32 17 19	2 23 3 1			0 20	9 30			0 2	2 33	1 20	23 30					0 2	0 30
S 16		20 30 2 46			2 30 3 0	3 11		0 26	9 49	2 42					23 30	3 20		21 19	2 17	8 3	0 56
M17	- 1	21 38 1 42			2 35 2 54		23 1	0 26	9 47		-				23 30	3 20		21 19	2 20	8 5	0 56
T 18					2 40 2 47		23 1	0 26	9 46	2 42					23 30	3 20		21 20	2 22	8 6	0 56
W19 T 20					2 45 2 40		23 1	0 26 0 26	9 45	2 43 2 43					23 30	3 20		21 20 21 21	2 25 2 27	8 7	0 56 0 56
F 21	0 6	15 15 1 38			2 50 2 33 2 55 2 26		23 1 23 1	0 26	9 43 9 42	2 43					23 2923 29	3 20 3 21		21 21	2 30	8 8 8 10	0 56
S 22					2 59 2 19	3 7		0 26	9 42	2 43					23 29	3 21		21 21	2 30	8 11	0 56
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S 23	1 5				3 4 2 12	3 6		0 26	9 39	2 43	-	0 2			23 29			21 22	2 34	8 12	0 56
M24	1 28	3 20 4 39			3 9 2 4	3 5		0 26	9 38	2 43	_	0 2	-		23 29			21 23	2 37	8 14	0 56
T 25	1 52	1s 4 4 56			3 13 1 57	3 4	23 0	0 26	9 37			0 2			23 29			21 24	2 39	8 15	0 55
W26 T 27	2 15 2 39			-	3 18 1 49 3 22 1 42	3 2 3 1	22 59 22 59	0 26 0 26	9 35 9 34	2 44 2 44					23 29 23 29			21 24 21 25	2 42 2 44	8 16 8 17	0 55 0 55
F 28					3 22 1 42 3 27 1 34		22 59	0 26	9 34	2 44					23 29			21 25	2 44	8 17	0 55
S 29					3 31 1 26		22 58	0 26	9 31		21 36				23 29			21 26	2 49	8 20	0 55
S 30	3 49	19 18 3 13	7 50 2	2 22 22 37	3 35 1 19	2 57	22 58	0 26	9 29	2 44	21 36	0 2	3 5	1 21	23 29	3 22	21 23	21 26	2 52	8 21	0 55
M31	4n12	21 s 6 2n19	7s17	2 s24 22n54	3n40 1 s11	2n55	22n58	0n26	9 s 2 8	2n44	21n37	0s 2	3n 5	1n21	23 s29	3 s22	21n24	21n27	2 s 5 4	8n23	0n55

 $\label{eq:Julian Day Number = 2370155.5, Delta\ T = 22.11\ sec} \\ Ecliptic\ obliquity = 23°28'02, Nutation = -0°00'15, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 21°37'45, Lahiri = 20°44'45Greg.\ Calendar \\ \\$

APRIL 1777 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	24	ħ)∤(卉	В	ß	Ω	Ç	ķ	Day
T 1	12 38 40	11 ° 35'14	8 ට 50	18)(40	27811	9°R23	15953	1°R30	7 Ⅱ 53	25°R18	29 궁 57	23°D37	239917	19 ≏ 40	19 Υ 17	T 1
W 2	12 42 37	12°34'18	21°44	20°12	28° 6	8 ჲ 59	15°57	1 M 26	7°56	25 m 17	29°58	23°R38	23°14	19°46	19°20	W 2
T 3	12 46 33	13°33'20	5≈ 4	21°45	28°59	8°36	16° 1	1°21	7°58	25°15	29°59	23937	23°11	19°53	19°24	T 3
F 4	12 50 30	14°32'20	18°51	23°20	29°52	8°13	16° 5	1°17	8° 0	25°14	29°59	23°35	23° 8	20° 0	19°28	F 4
S 5	12 54 26	15°31'19	3 ∺ 8	24°57	0 Ⅱ 44	7°50	16°10	1°13	8° 3	25°12	0≈ 0	23°31	23° 5	20° 6	19°31	S 5
S 6	12 58 23	16°30'15	17°52	26°35	1°35	7°27	16°15	1° 8	8° 5	25°10	0° 1	23°24	23° 1	20°13	19°35	S 6
M 7	13 2 19	17°29'10	2 Y 58	28°15	2°26	7° 5	16°20	1° 4	8° 8	25° 9	0° 2	23°15	22°58	20°20	19°39	M 7
T 8	13 6 16	18°28'02	18°17	29°56	3°16	6°42	16°25	1° 0	8°10	25° 7	0° 2	23° 4	22°55	20°27	19°42	T 8
W 9	13 10 13	19°26'53	3 8 36	1 Y 39	4° 5	6°20	16°30	0°55	8°13	25° 6	0° 3	22°53	22°52	20°33	19°46	W 9
T 10	13 14 9	20°25'42	18°46	3°23	4°54	5°59	16°35	0°51	8°16	25° 4	0° 4	22°43	22°49	20°40	19°50	T 10
F 11	13 18 6	21°24'28	3 Ⅱ 35	5° 9	5°41	5°37	16°40	0°46	8°18	25° 3	0° 4	22°35	22°46	20°47	19°54	F 11
S 12	13 22 2	22°23'13	17°58	6°56	6°28	5°17	16°46	0°42	8°21	25° 2	0° 5	22°29	22°42	20°54	19°57	S 12
S 13	13 25 59	23°21'55	1952	8°45	7°14	4°56	16°52	0°37	8°24	25° 0	0° 5	22°27	22°39	21° 0	20° 1	S 13
M14	13 29 55	24°20'35	15°17	10°36	7°59	4°36	16°58	0°33	8°26	24°59	0° 6	22°26	22°36	21° 7	20° 5	M14
T 15	13 33 52	25°19'12	28°17	12°28	8°43	4°17	17° 4	0°28	8°29	24°57	0° 6	22°26	22°33	21°14	20° 8	T 15
W16	13 37 48	26°17'48	$10\Omega 56$	14°22	9°26	3°58	17°10	0°24	8°32	24°56	0° 7	22°25	22°30	21°20	20°12	W16
T 17	13 41 45	27°16'21	23°17	16°17	10° 8	3°40	17°17	0°19	8°35	24°55	0° 7	22°23	22°27	21°27	20°16	T 17
F 18	13 45 42	28°14'52	5 m 26	18°14	10°48	3°22	17°23	0°15	8°38	24°53	0° 7	22°19	22°23	21°34	20°19	F 18
S 19	13 49 38	29°13'21	17°27	20°12	11°28	3° 5	17°30	0°10	8°40	24°52	0° 8	22°11	22°20	21°41	20°23	S 19
S 20	13 53 35	0811'47	29°22	22°12	12° 7	2°49	17°37	0° 6	8°43	24°51	0° 8	22° 1	22°17	21°47	20°27	S 20
M21	13 57 31	1°10'12	11 ≏ 15	24°13	12°44	2°34	17°44	0° 1	8°46	24°49	0° 8	21°49	22°14	21°54	20°30	M21
T 22	14 1 28	2° 8'35	23° 7	26°16	13°20	2°19	17°51	29 ≏ 56	8°49	24°48	0° 9	21°35	22°11	22° 1	20°34	T 22
W23	14 5 24	3° 6'56	5 M 1	28°20	13°55	2° 5	17°58	29°52	8°52	24°47	0° 9	21°22	22° 7	22° 8	20°38	W23
T 24	14 9 21	4° 5'15	16°56	0826	14°28	1°51	18° 5	29°47	8°55	24°46	0° 9	21° 9	22° 4	22°14	20°41	T 24
F 25	14 13 17	5° 3'32	28°56	2°32	15° 0	1°38	18°13	29°43	8°58	24°45	0° 9	20°57	22° 1	22°21	20°45	F 25
S 26	14 17 14	6° 1'48	11🗷 1	4°40	15°30	1°26	18°21	29°38	9° 2	24°43	0° 9	20°49	21°58	22°28	20°49	S 26
S 27	14 21 11	7° 0'02	23°13	6°48	15°59	1°15	18°28	29°34	9° 5	24°42	0° 9	20°43	21°55	22°34	20°52	S 27
M28	14 25 7	7°58'14	5 궁 36	8°58	16°26	1° 5	18°36	29°29	9°8	24°41	0°10	20°40	21°52	22°41	20°56	M28
T 29	14 29 4	8°56'25	18°13	11° 7	16°52	0°55	18°44	29°25	9°11	24°40	0°10	20°D39	21°48	22°48	20°59	T 29
W30	14 33 0	9 8 54'35	1≈ 7	13 8 17	17 Ⅱ 16	0 ჲ 46	18952	29 ≏ 20	9 Ⅱ 14	24 Mp 39	0≈10	209540	219945	22 ₽ 55	21 ° 3	W30

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T 1 W 2 T 3		21 s53 1n17 21 33 0 10 20 0 1 s 0	6 8 2 2	6 23n11 3n44 7 23 28 3 48 7 23 44 3 52		22n57 0n26 22 57 0 26 22 56 0 26	9 25 2 44	21n37 0s 2 21 37 0 2 21 38 0 2	3 7 1 21	23 29 3 23	21n24 21n27 21 24 21 28 21 24 21 28	2 s 5 7 2 5 9 3 1	8n24 0n55 8 25 0 55 8 27 0 55
F 4 S 5	5 44 6 7	13 21 3 12		7 24 14 4 0	0 34 2 46	22 56 0 26 22 55 0 26	9 22 2 45 9 20 2 45	21 39 0 2	3 8 1 20	23 29 3 23	21 24 21 29 21 25 21 29	3 4 3 6	8 28 0 55 8 29 0 55
S 6 M 7 T 8	6 30 6 52 7 15	3 8 4 42	3 36 2 20 2 55 2 25 2 13 2 25	5 24 42 4 7 3 24 56 4 11	0 20 2 42 0 13 2 40	22 55 0 26 22 54 0 26 22 54 0 26	9 19 2 45 9 17 2 45 9 15 2 45	21 39 0 2 21 40 0 2	3 10 1 20 3 10 1 20	23 29 3 24 23 29 3 24	21 26 21 30 21 28 21 31 21 30 21 31	3 9 3 11 3 14	8 31 0 54 8 32 0 54 8 33 0 54
W 9 T 10 F 11 S 12	7 37 7 59 8 21 8 43	17 10 3 47			0n 0 2 35 0 6 2 33	22 53 0 26 22 52 0 26 22 52 0 26 22 51 0 26	9 14 2 45 9 12 2 45 9 11 2 45 9 9 2 45	21 41 0 2	3 11 1 20 3 12 1 20	23 29 3 24 23 29 3 24	21 31 21 32 21 33 21 32 21 34 21 33 21 35 21 33	3 16 3 19 3 21 3 24	8 35 0 54 8 36 0 54 8 37 0 54 8 39 0 54
S 13 M14 T 15 W16 T 17 F 18 S 19	9 27 9 48 10 10	21 2 0n31 19 3 1 36 16 13 2 35 12 43 3 26	_	1 26 24 4 34 4 26 33 4 37 7 26 41 4 39	0 24 2 26 0 29 2 23 0 35 2 21 0 39 2 18 0 44 2 16	22 50 0 26 22 50 0 26 22 49 0 26 22 48 0 27 22 47 0 27 22 46 0 27 22 46 0 27	9 7 2 45 9 6 2 45 9 4 2 45 9 3 2 45 9 1 2 45 9 0 2 45 8 58 2 45	21 42 0 2 21 43 0 2 21 43 0 2 21 44 0 2 21 44 0 2	3 14 1 20 3 14 1 20 3 15 1 20 3 15 1 20 3 16 1 20	23 29 3 25 23 29 3 25 23 29 3 25 23 30 3 25 23 30 3 26	21 36 21 34 21 36 21 34 21 36 21 35 21 36 21 35 21 36 21 36 21 37 21 36 21 37 21 36 21 38 21 37	3 26 3 29 3 31 3 34 3 36 3 39 3 41	8 40 0 54 8 41 0 54 8 43 0 54 8 44 0 54 8 45 0 54 8 47 0 54 8 48 0 54
S 20 M21 T 22 W23 T 24 F 25 S 26		0 4 4 55 4s21 5 0 8 37 4 52 12 35 4 31 16 5 3 57 18 56 3 13	8 15 1 14 9 8 1 3 10 1 0 56 10 54 0 4 11 47 0 3 12 40 0 2	4 27 3 4 44 5 27 9 4 45 6 27 14 4 46 7 27 19 4 47 7 27 23 4 48 7 27 27 4 48	0 56 2 8 1 0 2 5 1 3 2 3 1 6 2 0 1 8 1 57 1 11 1 55	22 42 0 27 22 41 0 27 22 40 0 27 22 39 0 27	8 56 2 45 8 55 2 45 8 53 2 45 8 52 2 45 8 50 2 45 8 48 2 45 8 47 2 45	21 46 0 2 21 46 0 2 21 47 0 2 21 47 0 2 21 48 0 2 21 48 0 2	3 17 1 20 3 18 1 20 3 18 1 20 3 19 1 20 3 19 1 20 3 20 1 20	23 30 3 26 23 30 3 26 23 30 3 27 23 30 3 27 23 31 3 27 23 31 3 27	21 40 21 37 21 42 21 38 21 44 21 38 21 46 21 39 21 48 21 39 21 50 21 40 21 51 21 40	3 43 3 46 3 48 3 51 3 53 3 56 3 58	8 49 0 54 8 51 0 53 8 52 0 53 8 53 0 53 8 55 0 53 8 56 0 53 8 57 0 53
S 27 M28 T 29 W30	14 11 14 30	22 2 1 19 22 1 0 13	14 24 0 0 15 15 0n	7 27 31 4 48 6 27 33 4 48 4 27 36 4 48 5 27n37 4n47	1 14 1 49 1 16 1 46	22 38 0 27 22 37 0 27 22 36 0 27 22n35 0n27	8 44 2 45 8 42 2 45		3 20 1 20 3 21 1 20	23 31 3 27 23 31 3 28	21 52 21 41 21 53 21 41 21 53 21 42 21n53 21n42	4 1 4 3 4 6 4s 8	8 59 0 53 9 0 0 53 9 1 0 53 9n 2 0n53

Julian Day Number = 2370186.5, Delta T = 22.12 sec Ecliptic obliquity = 23°28'03, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°37'49, Lahiri = 20°44'50Greg. Calendar

MAY 1777 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)∤(4	Р	r	Ω	Ç	Š,	Day
T 1	14 36 57	10852'43	14≈22	15826	17 Ⅲ 38	0°R38	1995 1	29°R16	9 Ⅱ 17	24°R38	0°R10	20°R40	219542	23 ♀ 1	21Υ 6	T 1
F 2	14 40 53	11°50'49	28° 2	17°36	17°59	ე <u>ჲ</u> 31	19° 9	29 ₽ 11	9°20	24 m 37	0≈10	20939	21°39	23° 8	21°10	F 2
S 3	14 44 50	12°48'54	12 米 8	19°44	18°17	0°25	19°18	29° 7	9°24	24°36	0°10	20°36	21°36	23°15	21°13	S 3
S 4	14 48 46	13°46'58	26°39	21°52	18°34	0°19	19°26	29° 3	9°27	24°35	0°10	20°30	21°32	23°21	21°17	S 4
M 5	14 52 43	14°45'01	11 Y 33	23°58	18°49	0°14	19°35	28°58	9°30	24°34	0° 9	20°23	21°29	23°28	21°20	M 5
T 6	14 56 40	15°43'02	26°41	26° 3	19° 1	0°10	19°44	28°54	9°34	24°33	0° 9	20°13	21°26	23°35	21°24	T 6
W 7	15 0 36	16°41'01	11855	28° 6	19°12	0° 7	19°53	28°50	9°37	24°32	0° 9	20° 4	21°23	23°42	21°27	W 7
T 8	15 4 33	17°38'59	27° 3	0П 8	19°20	0° 4	20° 2	28°46	9°40	24°31	0° 9	19°55	21°20	23°48	21°31	T 8
F 9	15 8 29	18°36'55	11 Ⅱ 55	2° 6	19°27	0° 2	20°11	28°41	9°44	24°30	0° 9	19°48	21°17	23°55	21°34	F 9
S 10	15 12 26	19°34'50	26°24	4° 3	19°31	0° 2	20°20	28°37	9°47	24°30	0° 9	19°44	21°13	24° 2	21°38	S 10
S 11	15 16 22	20°32'43	10925	5°57	19°R32	0°D 1	20°30	28°33	9°50	24°29	0° 8	19°42	21°10	24° 9	21°41	S 11
M12	15 20 19	21°30'35	23°58	7°47	19°31	0° 2	20°39	28°29	9°54	24°28	0° 8	19°D42	21° 7	24°15	21°44	M12
T 13	15 24 15	22°28'24	7Ω 3	9°36	19°28	0° 3	20°49	28°25	9°57	24°27	0° 8	19°42	21° 4	24°22	21°48	T 13
W14	15 28 12	23°26'12	19°45	11°21	19°23	0° 6	20°59	28°21	10° 1	24°27	0° 7	19°R43	21° 1	24°29	21°51	W14
T 15	15 32 9	24°23'58	2 Mp 8	13° 2	19°15	0° 9	21°8	28°17	10° 4	24°26	0° 7	19°43	20°58	24°35	21°54	T 15
F 16	15 36 5	25°21'43	14°17	14°41	19° 4	0°12	21°18	28°14	10° 7	24°25	0° 7	19°41	20°54	24°42	21°57	F 16
S 17	15 40 2	26°19'26	26°16	16°17	18°51	0°17	21°28	28°10	10°11	24°25	0° 6	19°37	20°51	24°49	22° 1	S 17
S 18	15 43 58	27°17'07	8 亞 9	17°49	18°36	0°22	21°39	28° 6	10°14	24°24	0° 6	19°30	20°48	24°56	22° 4	S 18
M19	15 47 55	28°14'47	20° 1	19°18	18°18	0°27	21°49	28° 2	10°18	24°24	0° 5	19°22	20°45	25° 2	22° 7	M19
T 20	15 51 51	29°12'25	1 M 54	20°43	17°58	0°34	21°59	27°59	10°21	24°23	0° 5	19°13	20°42	25° 9	22°10	T 20
W21	15 55 48	0 Ⅲ 10′02	13°50	22° 5	17°36	0°41	22° 9	27°55	10°25	24°23	0° 4	19° 4	20°38	25°16	22°13	W21
T 22	15 59 44	1° 7'37	25°52	23°24	17°12	0°49	22°20	27°52	10°28	24°22	0° 4	18°55	20°35	25°22	22°16	T 22
F 23	16 3 41	2° 5'12	8 × 7 0	24°39	16°45	0°57	22°30	27°49	10°32	24°22	0° 3	18°48	20°32	25°29	22°19	F 23
S 24	16 7 38	3° 2'45	20°16	25°50	16°17	1° 6	22°41	27°45	10°35	24°22	0° 2	18°42	20°29	25°36	22°22	S 24
S 25	16 11 34	4° 0'17	2 ප 41	26°58	15°46	1°16	22°52	27°42	10°39	24°21	0° 2	18°39	20°26	25°43	22°25	S 25
M26	16 15 31	4°57'49	15°17	28° 2	15°14	1°27	23° 2	27°39	10°42	24°21	0° 1	18°D38	20°23	25°49	22°28	M26
T 27	16 19 27	5°55'19	28° 5	29° 3	14°41	1°37	23°13	27°36	10°46	24°21	0° 0	18°38	20°19	25°56	22°31	T 27
W28	16 23 24	6°52'48	11 ≈ 8	29°59	14° 6	1°49	23°24	27°33	10°49	24°20	29 궁 59	18°39	20°16	26° 3	22°34	W28
T 29	16 27 20	7°50'17	24°28	0952	13°31	2° 1	23°35	27°30	10°53	24°20	29°59	18°41	20°13	26°10	22°37	T 29
F 30	16 31 17	8°47'45	8 ∺ 7	1°41	12°54	2°14	23°46	27°27	1 <u>0</u> °57	24°20	2 <u>9</u> °58	18°R41	20°10	26°16	22°40	F 30
S 31	16 35 13	9 Ⅱ 45'12	22 米 6	2925	12 II 17	2 ≙ 27	23958	27 ≏ 24	11 II 0	24 Mp 20	29 궁 57	189941	2095 7	26 ≏ 23	22 Y 42	S 31

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S 4 M 5 T 6 W 7 T 8 F 9 S 10	17 7 17 23	0 1 4 59 5n37 5 1 10 57 4 42 15 35 4 2 19 9 3 7	19 52 1 20 31 1 21 8 1 21 43 1 22 15 1	57 27 38 4 41 6 27 37 4 39 16 27 36 4 36 25 27 33 4 32 33 27 30 4 29 41 27 27 4 25 48 27 23 4 20	1 17 1 30 1 17 1 28 1 16 1 25 1 14 1 23 1 13 1 20	22 30 0 27 22 29 0 27 22 28 0 27 22 26 0 27 22 25 0 27 22 24 0 27 22 22 0 27	8 35 2 44 8 34 2 44 8 32 2 44 8 31 2 44 8 29 2 44 8 28 2 44 8 27 2 44	21 53 0 2 21 53 0 2 21 54 0 2 21 54 0 2	3 23 1 20 3 23 1 20 3 24 1 20 3 24 1 20 3 24 1 20	23 32 3 29 23 32 3 29 23 33 3 29 23 33 3 29		4 18 4 21 4 23 4 26 4 28 4 31 4 33	9 7 0 53 9 9 0 53 9 10 0 53 9 11 0 53 9 12 0 52 9 14 0 52 9 15 0 52
S 11 M12 T 13 W14 T 15 F 16	17 54 18 10 18 25 18 39 18 54 19 8	22 14 0 49 21 43 0n23 20 0 1 32 17 20 2 34 13 57 3 27 10 2 4 10	23 12 1 23 37 2 23 59 2 24 19 2 24 36 2 24 51 2	55 27 18 4 15 1 27 12 4 10 6 27 6 4 4 10 26 59 3 57 14 26 52 3 50 16 26 43 3 43	1 8 1 15 1 6 1 13 1 3 1 10 1 0 1 8 0 57 1 5 0 53 1 3	22 21 0 27 22 20 0 27 22 18 0 27 22 17 0 27 22 15 0 27 22 14 0 27	8 25 2 44 8 24 2 44 8 23 2 43 8 21 2 43 8 20 2 43 8 19 2 43	21 56 0 2 21 56 0 2 21 57 0 2 21 57 0 2 21 58 0 2 21 58 0 1	3 25 1 20 3 25 1 20 3 25 1 20 3 26 1 20 3 26 1 20 3 26 1 20	23 34 3 30 23 34 3 30 23 34 3 30 23 34 3 30 23 35 3 31 23 35 3 31	22 1 21 48 22 1 21 48 22 1 21 49 22 1 21 49 22 1 21 50 22 1 21 50	4 36 4 38 4 41 4 43 4 45 4 48	9 16 0 52 9 17 0 52 9 19 0 52 9 20 0 52 9 21 0 52 9 22 0 52
S 17 S 18 M19 T 20 W21 T 22 F 23	20 25 20 36	3 s 7 5 6 7 28 4 59 11 35 4 38 15 16 4 5 18 21 3 21	25 13 2 25 21 2 25 27 2 25 31 2 25 33 2 25 33 2	18 26 34 3 35 19 26 24 3 26 20 26 14 3 17 19 26 2 3 8 17 25 50 2 58 15 25 37 2 47 12 25 24 2 36	0 45 0 58 0 40 0 56 0 36 0 54 0 31 0 51 0 26 0 49 0 20 0 47	22 7 0 28 22 6 0 28 22 4 0 28 22 2 0 28	8 15 2 43 8 14 2 42 8 13 2 42 8 12 2 42 8 11 2 42	21 59 0 1 22 0 0 1 22 0 0 1 22 1 0 1 22 1 0 1 22 2 0 1	3 26 1 20 3 27 1 20 3 27 1 20 3 27 1 20 3 27 1 19 3 27 1 19 3 27 1 19	23 35 3 31 23 36 3 31 23 36 3 31 23 36 3 32 23 36 3 32 23 37 3 32	22 3 21 51 22 4 21 52 22 5 21 52 22 7 21 53 22 8 21 53 22 9 21 54	4 50 4 53 4 55 4 58 5 0 5 3 5 5	9 23 0 52 9 24 0 52 9 25 0 52 9 27 0 52 9 28 0 52 9 29 0 52 9 30 0 52
T 27 W28 T 29 F 30	21 19 21 29	22 1 1 25 22 17 0 18 21 24 0s51 19 21 1 59 16 14 3 2 12 11 3 56	25 18 1 25 11 1 25 3 1 24 53 1	8 25 9 2 24 3 24 54 2 12 57 24 38 2 0 51 24 22 1 47 43 24 4 1 34 35 23 47 1 20 26 23 28 1 7 116 23n10 0n53	0 3 0 41 0s 3 0 39 0 10 0 36 0 17 0 34 0 24 0 32	22 1 0 28 21 59 0 28 21 57 0 28 21 55 0 28 21 54 0 28 21 52 0 28 21 50 0 28 21 50 0 28 21 150 0 28	8 10 2 42 8 9 2 42 8 8 2 41 8 7 2 41 8 6 2 41 8 6 2 41 8 5 2 41 8 8 4 2n40	22 3 0 1 22 3 0 1 22 4 0 1 22 4 0 1 22 5 0 1	3 28 1 19 3 28 1 19	23 37 3 32 23 38 3 32 23 38 3 33 23 38 3 33 23 39 3 33 23 39 3 33	22 10 21 54 22 10 21 55 22 10 21 55 22 10 21 56 22 10 21 56 22 10 21 57 22 10 21 57 22 10 21 57 22 10 21 57	5 8 5 10 5 13 5 15 5 18 5 20 5 23 5 s25	9 31 0 52 9 32 0 52 9 33 0 52 9 34 0 52 9 35 0 52 9 36 0 52 9 37 0 51 9n38 0n51

Julian Day Number = 2370216.5, Delta T = 22.12 sec Ecliptic obliquity = $23^{\circ}28'02$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}37'53$, Lahiri = $20^{\circ}44'54$ Greg. Calendar

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S 1	16 39 10	10∏42'39	6 Υ 24	3 9 6	11°R39	2 ≏ 41	249 9	27°R21	11 I I 4	24°R20	29°R57	18°R38	20	26₽30	22 Y 45	S 1
M 2	16 43 7	11°40'05	21° 0	3°42	11 II 2	2°55	24°20	27 219	11° 7	24 Mp 19	29 궁 56	18935	20° 0	26°36	22°48	M 2
T 3	16 47 3	12°37'30	5 8 48	4°14	10°24	3°10	24°32	27°16	11°11	24°19	29°55	18°30	19°57	26°43	22°51	T 3
W 4	16 51 0	13°34'54	20°41	4°42	9°47	3°26	24°43	27°14	11°14	24°19	29°54	18°25	19°54	26°50	22°53	W 4
T 5	16 54 56	14°32'18	5 Ⅱ 31	5° 5	9°10	3°42	24°55	27°11	11°18	24°D19	29°53	18°20	19°51	26°57	22°56	T 5
F 6	16 58 53	15°29'42	20°11	5°24	8°35	3°58	25° 6	27° 9	11°21	24°19	29°52	18°17	19°48	27° 3	22°58	F 6
S 7	17 2 49	16°27'04	4932	5°38	8° 0	4°15	25°18	27° 7	11°25	24°19	29°51	18°14	19°44	27°10	23° 1	S 7
S 8	17 6 46	17°24'26	18°31	5°48	7°27	4°33	25°29	27° 5	11°28	24°20	29°51	18°D14	19°41	27°17	23° 3	S 8
M 9	17 10 42	18°21'46	2Ω 5	5°53	6°54	4°51	25°41	27° 3	11°32	24°20	29°50	18°14	19°38	27°24	23° 6	M 9
T 10	17 14 39	19°19'06	15°14	5°R54	6°24	5°10	25°53	27° 1	11°35	24°20	29°49	18°16	19°35	27°30	23° 8	T 10
W11	17 18 36	20°16'25	28° 0	5°50	5°55	5°28	26° 5	26°59	11°39	24°20	29°48	18°17	19°32	27°37	23°11	W11
T 12	17 22 32	21°13'43	10 m 27	5°42	5°28	5°48	26°17	26°57	11°42	24°20	29°47	18°19	19°29	27°44	23°13	T 12
F 13	17 26 29	22°11'00	22°38	5°29	5° 3	6° 8	26°29	26°56	11°46	24°20	29°46	18°R19	19°25	27°50	23°15	F 13
S 14	17 30 25	23° 8'16	4 Ω 39	5°12	4°41	6°28	26°41	26°54	11°49	24°21	29°44	18°18	19°22	27°57	23°17	S 14
S 15	17 34 22	24° 5'31	16°33	4°52	4°20	6°49	26°53	26°53	11°53	24°21	29°43	18°17	19°19	28° 4	23°20	S 15
M16	17 38 18	25° 2'46	28°26	4°28	4° 2	7°10	27° 5	26°51	11°56	24°21	29°42	18°14	19°16	28°11	23°22	M16
T 17	17 42 15	26° 0'00	10ML20	4° 1	3°46	7°31	27°18	26°50	12° 0	24°22	29°41	18°11	19°13	28°17	23°24	T 17
W18	17 46 11	26°57'13	22°20	3°32	3°33	7°53	27°30	26°49	12° 3	24°22	29°40	18° 7	19°10	28°24	23°26	W18
T 19	17 50 8	27°54'26	4 ₹ 29	3° 0	3°21	8°16	27°42	26°48	12° 7	24°23	29°39	18° 4	19° 6	28°31	23°28	T 19
F 20	17 54 5	28°51'39	16°47	2°26	3°13	8°39	27°54	26°47	12°10	24°23	29°38	18° 2	19° 3	28°37	23°30	F 20
S 21	17 58 1	29°48'51	29°17	1°52	3° 6	9° 2	28° 7	26°46	12°14	24°24	29°37	18° 0	19° 0	28°44	23°32	S 21
S 22	18 1 58	09546'02	11 る 59	1°16	3° 2	9°25	28°19	26°45	12°17	24°24	29°35	17°D59	18°57	28°51	23°34	S 22
M23	18 5 54	1°43'14	24°55	0°41	3°D 1	9°49	28°32	26°44	12°20	24°25	29°34	17°59	18°54	28°58	23°36	M23
T 24	18 9 51	2°40'25	8 ≈ 3	0° 7	3° 1	10°13	28°44	26°44	12°24	24°25	29°33	18° 0	18°50	29° 4	23°37	T 24
W25	18 13 47	3°37'36	21°25	29∏33	3° 5	10°38	28°57	26°43	12°27	24°26	29°32	18° 1	18°47	29°11	23°39	W25
T 26	18 17 44	4°34'48	5) 1	29° 2	3°10	11° 3	29°10	26°43	12°31	24°27	29°31	18° 2	18°44	29°18	23°41	T 26
F 27	18 21 41	5°31'59	18°49	28°33	3°17	11°28	29°22	26°42	12°34	24°27	29°29	18° 3	18°41	29°25	23°43	F 27
S 28	18 25 37	6°29'11	2 Ƴ 49	28° 7	3°27	11°53	29°35	26°42	12°37	24°28	29°28	18°R 3	18°38	29°31	23°44	S 28
S 29	18 29 34	7°26'22	17° 1	27°44	3°39	12°19	29°48	26°42	12°41	24°29	29°27	18° 3	18°35	29°38	23°46	S 29
M30	18 33 30	8923'34	1821	27 Ⅲ 25	3 Ⅱ 53	12 ≏ 45	0Ω 0	26°D42	12∏44	24 Mp 30	29 궁 25	1895 2	18931	29 ≏ 45	23 Y 47	M30

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M 2	22 13	3n24 5 10	24 19	0 54 22 32	0 24 0 45	0 27	21 44	0 28	8 2	2 40	22 7	0 1	3 28	1 19	23 40	3 34	22 11	21 58	5 30	9 40	0 51
T 3	22 20	8 48 4 57	24 5	0 41 22 12	0 10 0 53	0 25	21 42	0 28	8 2	2 40	22 7	0 1	3 28	1 19	23 40	3 34	22 11	21 59	5 33	9 41	0 51
W 4	22 27	13 43 4 23	23 51	0 28 21 53	0s 4 1 1	0 23	21 40	0 28	8 1	2 39	22 8	0 1	3 28	1 19	23 41	3 34	22 12	21 59	5 35	9 42	0 51
T 5	22 34	17 46 3 32	23 37		0 18 1 9	0 21	21 38	0 28	8 0	2 39	22 8	0 1	3 28	1 19	23 41		22 13		5 38	9 43	0 51
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M 9	22 57	20 56 1 15	22 34	0 46 20 18	1 12 1 43	0 14	21 30	0 28	7 58	2 38	22 10	0 1	3 28	1 19	23 42	3 35	22 13	22 2	5 48	9 47	0 51
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W11	23 7	15 19 3 21	22 2	1 19 19 43	1 38 2 1	0 10	21 25	0 28	7 57	2 38	22 11	0 1	3 27	1 19	23 43	3 35	22 13	22 3	5 53	9 48	0 51
T 12	23 11	11 29 4 8	21 45	1 35 19 26	1 50 2 10	0 9	21 23	0 28	7 57	2 38	22 12	0 1	3 27	1 19	23 44	3 35	22 13	22 3	5 55	9 49	0 51
F 13	23 14	7 15 4 43	21 29	1 52 19 10	2 2 2 20	0 7	21 21	0 28	7 57	2 37	22 12	0 1	3 27	1 19	23 44	3 35	22 13	22 4	5 58	9 50	0 51
S 14	23 17	2 49 5 5	21 13	2 9 18 55	2 13 2 29	0 5	21 19	0 29	7 56	2 37	22 13	0 1	3 27	1 19	23 44	3 36	22 13	22 4	6 0	9 51	0 51
S 15	23 20	1 s41 5 14	20 57	2 26 18 41	2 24 2 39	0 4	21 16	0 29	7 56	2 37	22 13	0 1	3 27	1 19	23 45		22 13		6 3	9 52	0 51
M16	23 22	6 7 5 9			2 34 2 49	0 2	21 14	0 29	7 56			0 1	3 27	1 19			22 13		6 5	9 52	0 51
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F 20					3 11 3 29		21 4	0 29	7 55	2 36			3 26		23 47		22 15		6 15	9 55	0 51
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M23	23 27	21 48 0s38	19 14	4 14 17 18	3 33 4 1	0 8	20 57	0 29	7 55	2 35	22 17	0 1	3 25	1 18	23 48	3 37	22 15	22 8	6 23	9 57	0 51
T 24	23 26	20 1 1 49	19 6	4 22 17 11	3 40 4 12	0 10	20 55	0 29	7 55	2 35	22 17	0 1	3 25	1 18	23 48	3 37	22 15	22 8	6 25	9 58	0 51
W25	23 25	17 8 2 54	18 58	4 30 17 6	3 46 4 23	0 11	20 52	0 29	7 55	2 34	22 18	0 1	3 25	1 18	23 49	3 37	22 15	22 9	6 28	9 59	0 51
T 26	23 23	13 16 3 52	18 53	4 35 17 2	3 51 4 34	0 13	20 50	0 29	7 55	2 34	22 18	0 1	3 24	1 18	23 49	3 37	22 15	22 9	6 30	9 59	0 51
F 27	23 21	8 40 4 36	18 49	4 39 16 58	3 57 4 45	0 14	20 47	0 29	7 55	2 34	22 19	0 1	3 24	1 18	23 49	3 37	22 15	22 10	6 33	10 0	0 50
S 28	23 18	3 33 5 5	18 46	4 41 16 55	4 1 4 56	0 15	20 44	0 29	7 55	2 34	22 19	0 1	3 24	1 18	23 50	3 37	22 15	22 10	6 35	10 0	0 50
S 29	23 15	1n49 5 16	18 44	4 42 16 53	4 6 5 8	0 17	20 42	0 29	7 56	2 33	22 20	0 1	3 23	1 18	23 50	3 38	22 15	22 11	6 38	10 1	0 50
M30	23n12	7n 9 5s 8	18n45	4 s42 16n52	4s10 5s19	0s18	20n39	0n29	7s56	2n33	22n20	0 s 1	3n23	1n18	23 s51	$3 \mathrm{s} 38$	22n15	22n11	6 s 4 0	10n 1	0n50

Julian Day Number = 2370247.5, Delta T = 22.13 sec Ecliptic obliquity = 23°28'02, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 21°37'57, Lahiri = 20°44'58Greg. Calendar

JULY 1777 00:00 UT

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T 1	18 37 27	9 © 20'47	15 8 47	27°R10	4 I 8	13 ≏ 12	0Ω 13	26 ≏ 42	12 Ⅱ 47	24 Mp 31	29°R24	18°R 2	189528	29 ♀ 51	23 Y 49	T 1
W 2	18 41 23	10°17'59	0 耳 15	26耳59	4°26	13°39	0°26	26°42	12°50	24°31	29 궁 23	1895 1	18°25	29°58	23°50	W 2
T 3	18 45 20	11°15'12	14°39	26°54	4°46	14° 6	0°39	26°43	12°54	24°32	29°21	18° 0	18°22	OM 5	23°51	T 3
F 4	18 49 16	12°12'25	28°54	26°D53	5° 7	14°33	0°52	26°43	12°57	24°33	29°20	17°59	18°19	0°12	23°53	F 4
S 5	18 53 13	13° 9'39	12957	26°57	5°30	15° 1	1° 5	26°43	13° 0	24°34	29°19	17°D59	18°16	0°18	23°54	S 5
S 6	18 57 10	14° 6'52	26°42	27° 6	5°55	15°29	1°18	26°44	13° 3	24°35	29°17	17°59	18°12	0°25	23°55	S 6
M 7	19 1 6	15° 4'06	10 0 7	27°20	6°21	15°58	1°31	26°45	13° 6	24°36	29°16	17°59	18° 9	0°32	23°56	M 7
T 8	19 5 3	16° 1'19	23°13	27°39	6°49	16°26	1°44	26°46	13° 9	24°37	29°15	18° 0	18° 6	0°38	23°57	T 8
W 9	19 8 59	16°58'33	5 m 58	28° 4	7°18	16°55	1°57	26°46	13°13	24°38	29°13	18° 0	18° 3	0°45	23°59	W 9
T 10	19 12 56	17°55'47	18°26	28°34	7°49	17°24	2°10	26°47	13°16	24°39	29°12	18°R 0	18° 0	0°52	23°59	T 10
F 11	19 16 52	18°53'00	0 ჲ 39	29°10	8°21	17°54	2°23	26°48	13°19	24°40	29°11	18° 0	17°56	0°59	24° 0	F 11
S 12	19 20 49	19°50'14	12°41	29°50	8°54	18°23	2°36	26°50	13°22	24°42	29° 9	18° 0	17°53	1° 5	24° 1	S 12
S 13	19 24 45	20°47'28	24°36	0936	9°29	18°53	2°49	26°51	13°25	24°43	29° 8	18°D 0	17°50	1°12	24° 2	S 13
M14	19 28 42	21°44'42	6M29	1°27	10° 5	19°23	3° 2	26°52	13°28	24°44	29° 6	18° 0	17°47	1°19	24° 3	M14
T 15	19 32 39	22°41'56	18°25	2°23	10°42	19°54	3°15	26°54	13°31	24°45	29° 5	18° 0	17°44	1°26	24° 4	T 15
W16	19 36 35	23°39'11	0 ∡ 728	3°24	11°20	20°25	3°28	26°55	13°33	24°46	29° 4	18° 1	17°41	1°32	24° 4	W16
T 17	19 40 32	24°36'26	12°41	4°30	12° 0	20°56	3°41	26°57	13°36	24°48	29° 2	18° 1	17°37	1°39	24° 5	T 17
F 18	19 44 28	25°33'41	25° 7	5°41	12°40	21°27	3°55	26°59	13°39	24°49	29° 1	18° 2	17°34	1°46	24° 6	F 18
S 19	19 48 25	26°30'56	7 궁 50	6°57	13°22	21°58	4° 8	27° 0	13°42	24°50	28°59	18° 2	17°31	1°52	24° 6	S 19
S 20	19 52 21	27°28'13	20°50	8°17	14° 4	22°30	4°21	27° 2	13°45	24°52	28°58	18°R 3	17°28	1°59	24° 6	S 20
M21	19 56 18	28°25'29	4≈ 7	9°42	14°48	23° 2	4°34	27° 4	13°48	24°53	28°57	18° 2	17°25	2° 6	24° 7	M21
T 22	20 0 14	29°22'47	17°41	11°11	15°32	23°34	4°47	27° 7	13°50	24°54	28°55	18° 1	17°22	2°13	24° 7	T 22
W23	20 4 11	$0\Omega 20'05$	1 米 29	12°45	16°17	24° 6	5° 1	27° 9	13°53	24°56	28°54	18° 0	17°18	2°19	24° 8	W23
T 24	20 8 8	1°17'24	15°29	14°22	17° 3	24°38	5°14	27°11	13°56	24°57	28°52	17°58	17°15	2°26	24° 8	T 24
F 25	20 12 4	2°14'43	29°36	16° 4	17°50	25°11	5°27	27°13	13°58	24°59	28°51	17°57	17°12	2°33	24° 8	F 25
S 26	20 16 1	3°12'04	13 Ƴ 49	17°49	18°38	25°44	5°40	27°16	14° 1	25° 0	28°50	17°56	17° 9	2°39	24° 8	S 26
S 27	20 19 57	4° 9'26	28° 4	19°37	19°27	26°17	5°53	27°19	14° 3	25° 2	28°48	17°D55	17° 6	2°46	24° 8	S 27
M28	20 23 54	5° 6'49	12818	21°29	20°16	26°50	6° 7	27°21	14° 6	25° 3	28°47	17°55	17° 2	2°53	24°R 8	M28
T 29	20 27 50	6° 4'14	26°28	23°23	21° 6	27°24	6°20	27°24	14° 9	25° 5	28°45	17°56	16°59	3° 0	24° 8	T 29
W30	20 31 47	7° 1'39	10 II 33	25°20	21°56	27°58	6°33	27°27	14°11	25° 7	28°44	17°57	16°56	3° 6	24° 8	W30
T 31	20 35 43	7 Ω 59'06	24 II 31	279519	22 ∏ 48	28 ≏ 32	6 Ω 46	27 ≏ 30	14∏13	25 Mg 8	28 궁 42	179558	16953	3 M .13	24 Y 8	T 31

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F 4 S 5	22 49	21 44 1 44 22 22 0 28	19 7 4	4 19 16 55	4 22 6 6 4 24 6 18	0 24	20 28 20 25	0 30 0 30	7 57 7 58	2 32 2 32	22 22	0 1		8 23 53	3 38	22 15	22 13 22 13	6 50 6 53	10 4	0 50 0 50
S 6 M 7 T 8 W 9 T 10 F 11	-	19 39 2 0 16 41 3 3 12 59 3 56 8 48 4 36	19 24 4 19 35 3 19 46 3 19 58 3	4 2 17 0 3 52 17 4 3 41 17 7 3 30 17 12	4 26 6 30 4 27 6 42 4 28 6 54 4 29 7 6 4 30 7 18 4 31 7 30	0 27 0 28 0 29 0 30	20 23 20 20 20 17 20 14 20 11 20 8	0 30 0 30 0 30 0 30 0 30 0 30	7 58 7 58 7 59 8 0 8 0 8 1	2 31 2 30		0 1 0 1	3 21 1 1 3 20 1 1 3 20 1 1 3 19 1 1 3 19 1 1 3 18 1 1	8 23 54 8 23 54 8 23 55	3 39 4 3 39 4 3 39 5 3 39	22 15 22 15 22 15 22 15	22 14 22 14 22 15 22 15 22 15 22 16	6 55 6 57 7 0 7 2 7 5 7 7	10 5 10 5 10 5 10 6 10 6	0 50 0 50 0 50 0 50 0 50 0 50 0 50
S 12 S 13 M14 T 15 W16 T 17 F 18 S 19		4 39 5 15 8 58 5 1 12 57 4 33 16 27 3 54 19 19 3 4 21 19 2 4	20 48 2 21 1 2 21 14 2 21 26 1 21 38 1	2 52 17 26 2 39 17 32 2 25 17 37 2 11 17 43 1 57 17 49 1 43 17 56	4 31 7 43 4 31 7 55 4 30 8 8 4 30 8 20 4 29 8 33 4 28 8 45 4 27 8 58 4 26 9 11	0 34 0 36 0 37 0 38 0 39	20 3 20 0 19 57 19 54	0 30 0 30 0 30 0 30 0 30 0 30 0 31 0 31	8 1 8 2 8 3 8 4 8 5 8 5 8 6 8 7	2 29 2 29 2 29 2 29 2 28 2 28	22 26 22 26 22 26 22 27	0 1 0 1 0 1 0 1 0 1	3 17 1 1 3 16 1 1 3 16 1 1 3 15 1 1 3 15 1 1	8 23 50 8 23 50 8 23 50 8 23 57 8 23 57	5 3 39 5 3 39 7 3 39 7 3 40 8 3 40	22 15 22 15 22 15 22 15 22 15 22 15 22 15	22 17	7 10 7 12 7 15 7 17 7 20 7 22 7 25 7 27	10 7 10 7 10 7 10 7 10 7 10 8	0 50 0 50 0 50 0 50 0 50 0 50 0 50 0 50
S 20 M21 T 22 W23 T 24 F 25 S 26	20 41 20 30 20 18 20 6 19 54 19 41 19 28	20 40 1 28 18 2 2 37 14 21 3 38 9 49 4 26 4 44 5 0	22 6 1 22 13 0 22 18 0 22 22 0 22 23 0	1 1 18 15 0 47 18 21 0 33 18 28 0 20 18 35 0 7 18 41	4 24 9 24 4 23 9 36 4 21 9 49 4 19 10 2 4 17 10 15 4 14 10 28 4 12 10 41		19 35 19 32	0 31 0 31 0 31 0 31 0 31 0 31 0 31	8 8 8 9 8 10 8 11 8 12 8 13 8 14	2 27 2 27 2 27 2 27 2 26	22 28 22 29 22 29	0 1 0 1 0 1 0 1 0 1	3 13 1 1 3 13 1 1 3 12 1 1 3 11 1 1 3 11 1 1	7 23 59 7 24 0 7 24 0	3 40 3 40 3 40 3 40 3 40 3 40	22 15 22 15 22 15 22 16 22 16	22 20 22 21 22 21	7 30 7 32 7 35 7 37 7 40 7 42 7 45	10 8 10 8 10 8 10 8 10 8	0 50 0 50 0 50 0 50 0 50 0 50 0 50
S 27 M28 T 29 W30 T 31	18 32	10 59 4 48 15 23 4 7 18 53 3 12	22 13 0 22 5 0 21 54 0	0 29 19 0 0 39 19 7 0 49 19 13	4 10 10 53 4 7 11 6 4 4 11 19 4 1 11 32 3 s58 11 s45	0 48 0 49 0 50	19 13 19 10	0 31 0 31 0 31 0 31 0n32	8 16 8 17 8 18 8 19 8 s20		22 30		3 9 1 1 3 9 1 1 3 8 1 1 3 8 1 1 3n 7 1n1	7 24 2 7 24 2	3 40 2 3 41 2 3 41	22 16 22 16 22 16		7 47 7 50 7 52 7 55 7s57	10 8 10 8	0 50 0 50 0 50 0 50 0 50 0n49

Julian Day Number = 2370277.5, Delta T = 22.14 sec Ecliptic obliquity = $23^{\circ}28'02$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}38'02$, Lahiri = $20^{\circ}45'02$ Greg. Calendar

AUGUST 1777 00:00 UT

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Day	Sid.t	0)	ğ	φ	ď	4	ħ)∤(并	В	S.	Ω	Ç	ę,	Day
F 1	20 39 40	8 Ω 56'34	89519	299519	23耳40	29 <u>₽</u> 6	7 Ω 0	27 <u>₽</u> 33	14 I I16	25 m 10	28°R41	179559	16950	3 M 20	24°R 8	F 1
S 2	20 43 37	9°54'03	21°56	1 Q 21	24°32	29°40	7°13	27°36	14°18	25°12	28 궁 40	17°R59	16°47	3°26	24 Y 7	S 2
S 3	20 47 33	10°51'33	5 Ω 20	3°24	25°25	0 M .14	7°26	27°39	14°20	25°13	28°38	17°58	16°43	3°33	24° 7	S 3
M 4	20 51 30	11°49'05	18°29	5°28	26°19	0°49	7°39	27°42	14°23	25°15	28°37	17°56	16°40	3°40	24° 7	M 4
T 5	20 55 26	12°46'37	1 m 23	7°32	27°13	1°24	7°53	27°46	14°25	25°17	28°36	17°53	16°37	3°47	24° 6	T 5
W 6	20 59 23	13°44'10	14° 1	9°36	28° 8	1°59	8° 6	27°49	14°27	25°19	28°34	17°49	16°34	3°53	24° 6	W 6
T 7	21 3 19	14°41'44	26°25	11°40	29° 3	2°34	8°19	27°53	14°29	25°20	28°33	17°45	16°31	4° 0	24° 5	T 7
F 8	21 7 16	15°39'19	8 亞 36	13°43	29°59	3°10	8°32	27°56	14°31	25°22	28°32	17°41	16°28	4° 7	24° 5	F 8
S 9	21 11 12	16°36'55	20°37	15°46	0955	3°45	8°45	28° 0	14°34	25°24	28°30	17°37	16°24	4°13	24° 4	S 9
S 10	21 15 9	17°34'32	2MJ32	17°48	1°52	4°21	8°59	28° 4	14°36	25°26	28°29	17°35	16°21	4°20	24° 3	S 10
M11	21 19 6	18°32'10	14°24	19°49	2°49	4°57	9°12	28° 8	14°38	25°28	28°28	17°D34	16°18	4°27	24° 3	M11
T 12	21 23 2	19°29'49	26°19	21°49	3°47	5°33	9°25	28°12	14°39	25°29	28°26	17°34	16°15	4°34	24° 2	T 12
W13	21 26 59	20°27'29	8 ∡ 721	23°48	4°45	6° 9	9°38	28°16	14°41	25°31	28°25	17°35	16°12	4°40	24° 1	W13
T 14	21 30 55	21°25'10	20°35	25°46	5°43	6°46	9°51	28°20	14°43	25°33	28°24	17°37	16° 8	4°47	24° 0	T 14
F 15	21 34 52	22°22'53	3 ට 5	27°43	6°42	7°22	10° 4	28°24	14°45	25°35	28°22	17°38	16° 5	4°54	23°59	F 15
S 16	21 38 48	23°20'36	15°56	29°38	7°42	7°59	10°17	28°28	14°47	25°37	28°21	17°R39	16° 2	5° 0	23°58	S 16
S 17	21 42 45	24°18'21	29° 8	1 m 32	8°41	8°36	10°30	28°33	14°49	25°39	28°20	17°38	15°59	5° 7	23°57	S 17
M18	21 46 41	25°16'07	12 ≈ 44	3°24	9°41	9°13	10°43	28°37	14°50	25°41	28°19	17°36	15°56	5°14	23°56	M18
T 19	21 50 38	26°13'54	26°41	5°15	10°42	9°50	10°56	28°41	14°52	25°43	28°17	17°32	15°53	5°21	23°55	T 19
W20	21 54 35	27°11'43	10 米 56	7° 5	11°42	10°27	11° 9	28°46	14°54	25°45	28°16	17°27	15°49	5°27	23°54	W20
T 21	21 58 31	28° 9'33	25°23	8°53	12°44	11° 5	11°22	28°51	14°55	25°47	28°15	17°21	15°46	5°34	23°52	T 21
F 22	22 2 28	29° 7'24	9 Ƴ 58	10°40	13°45	11°43	11°35	28°55	14°57	25°49	28°14	17°15	15°43	5°41	23°51	F 22
S 23	22 6 24	0 m) 5'18	24°32	12°26	14°47	12°20	11°48	29° 0	14°58	25°51	28°13	17° 9	15°40	5°47	23°50	S 23
S 24	22 10 21	1° 3'13	9 8 0	14°10	15°49	12°58	12° 1	29° 5	14°59	25°53	28°12	17° 6	15°37	5°54	23°48	S 24
M25	22 14 17	2° 1'11	23°18	15°53	16°51	13°36	12°14	29°10	15° 1	25°55	28°10	17° 4	15°33	6° 1	23°47	M25
T 26	22 18 14	2°59'10	7 Ⅱ 24	17°35	17°54	14°15	12°26	29°15	15° 2	25°57	28° 9	17°D 4	15°30	6° 8	23°45	T 26
W27	22 22 10	3°57'11	21°15	19°16	18°57	14°53	12°39	29°20	15° 3	25°59	28° 8	17° 4	15°27	6°14	23°44	W27
T 28	22 26 7	4°55'14	4954	20°55	20° 0	15°31	12°52	29°25	15° 5	26° 1	28° 7	17° 6	15°24	6°21	23°42	T 28
F 29	22 30 4	5°53'19	18°19	22°33	21° 4	16°10	13° 5	29°30	15° 6	26° 4	28° 6	17°R 6	15°21	6°28	23°41	F 29
S 30	22 34 0	6°51'26	1 .0 31	24°10	22° 8	16°49	13°17	29°35	15° 7	26° 6	28° 5	17° 5	15°18	6°34	23°39	S 30
S 31	22 37 57	7 m 49'35	14 \O 32	25 m 45	239512	17 M 28	13 Ω 30	29 ≏ 41	15 II 8	26Mp 8	28 궁 4	1795 2	15914	6 M .41	23 Y 37	S 31

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S 3 M 4 T 5 W 6 T 7 F 8 S 9 S 10 M11	17 32 17 16 17 0 16 43 16 27 16 10 15 53 15 35 15 17	17 50 2 40 14 21 3 36 10 18 4 20 5 53 4 51 1 19 5 9 3 s 14 5 12 7 38 5 2	20 20 1 19 54 1 19 25 1 18 54 1 18 22 1 17 47 1 17 11 1	1 27 19 40 3 1 32 19 45 3 1 36 19 50 3 1 40 19 54 3 1 42 19 58 3	45 12 37 0 5 41 12 50 0 5 58 13 3 0 5 54 13 16 0 5 54 13 16 0 5 50 13 29 0 5 26 13 42 0 5 22 13 54 0 5	5 18 50 0 32 6 18 47 0 32 6 18 43 0 32	8 25 2 24 8 26 2 24 8 27 2 24 8 29 2 23 8 30 2 23 8 32 2 23 8 33 2 23 8 35 2 22 8 36 2 22	22 32 0 1 22 33 0 1 22 33 0 1 22 33 0 1 22 33 0 1 22 34 0 1 22 34 0 1	3 5 1 17 3 4 1 17 3 3 1 17 3 3 1 17 3 2 1 17 3 1 1 17 3 0 1 17 3 0 1 17 2 59 1 17	24 4 3 41 24 5 3 41 24 5 3 41 24 5 3 41 24 6 3 41 24 6 3 41	22 16 22 26	8 5 10 8 0 49 8 7 10 8 0 49 8 10 10 7 0 49 8 12 10 7 0 49 8 15 10 7 0 49 8 17 10 7 0 49 8 20 10 7 0 49 8 22 10 6 0 49 8 25 10 6 0 49
T 12 W13 T 14 F 15 S 16	14 59 14 41 14 23 14 4 13 45	15 24 4 4 18 28 3 18 20 46 2 22 22 7 1 19 22 22 0 9	15 55 1 15 15 1 14 34 1 13 52 1 13 9 1	1 46 20 11 3 1 45 20 13 3 1 43 20 15 3 1 41 20 16 3 1 39 20 17 2	14 14 20 1 10 14 33 1 6 14 45 1 2 14 58 1 58 15 11 1	0 18 27 0 33 1 18 23 0 33 2 18 20 0 33 2 18 16 0 33 3 18 13 0 33	8 38 2 22 8 40 2 22 8 41 2 21 8 43 2 21 8 45 2 21	22 34 0 1 22 35 0 1	2 58 1 17 2 57 1 17 2 57 1 17 2 56 1 17 2 55 1 17	24 7 3 41 24 7 3 41 24 7 3 41 24 7 3 42 24 8 3 42	22 19 22 29 22 19 22 29 22 18 22 29 22 18 22 30 22 18 22 30	8 27 10 6 0 49 8 30 10 5 0 49 8 32 10 5 0 49 8 34 10 4 0 49 8 37 10 4 0 49
S 17 M18 T 19 W20 T 21 F 22 S 23	13 26 13 7 12 47 12 28 12 8 11 48 11 27	19 7 2 12 15 42 3 16 11 19 4 9 6 13 4 47 0 45 5 6	11 42 1 10 58 1 10 13 1 9 28 1 8 43 1	1 32 20 18 2 1 28 20 18 2 1 24 20 18 2 1 19 20 17 2 1 14 20 15 2	149 15 36 1 145 15 48 1 140 16 1 1 136 16 13 1 131 16 25 1	4 18 9 0 33 4 18 6 0 33 5 18 2 0 33 6 17 59 0 33 6 17 56 0 34 7 17 52 0 34 7 17 49 0 34	8 47 2 21 8 48 2 21 8 50 2 20 8 52 2 20 8 54 2 20 8 56 2 20 8 57 2 19	22 36 0 1 22 36 0 1	2 54 1 17 2 54 1 17 2 53 1 17 2 52 1 17 2 51 1 17 2 50 1 17 2 49 1 17	24 8 3 42 24 9 3 42 24 9 3 42 24 9 3 42 24 9 3 42	22 18 22 31 22 18 22 31 22 19 22 31 22 20 22 32 22 20 22 32 22 21 22 32 22 22 22 33	8 39 10 4 0 49 8 42 10 3 0 49 8 44 10 3 0 49 8 47 10 2 0 49 8 49 10 2 0 49 8 52 10 1 0 49 8 54 10 1 0 49
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	11 7 10 46 10 25 10 4 9 43 9 22 9 0 8n39	18 19 3 18 20 56 2 15 22 17 1 5 22 19 0n 7	6 26 0 5 41 0 4 55 0 4 10 0 3 25 0 2 40 0	0 56 20 8 2 0 50 20 4 2 0 43 20 1 2 0 37 19 56 2 0 30 19 51 1 0 22 19 46 1	17 17 2 1 13 17 14 1 8 17 26 1 1 4 17 38 1 1 59 17 49 1 1 54 18 1 1 1	8 17 45 0 34 9 17 42 0 34 9 17 38 0 34 0 17 35 0 34 0 17 31 0 34 1 17 28 0 34 1 17 24 0 35 2 17n21 0n35	9 1 2 19 9 3 2 19 9 5 2 19 9 7 2 18 9 9 2 18 9 11 2 18	22 37 0 1 22 37 0 1 22 37 0 1	2 48 1 17 2 47 1 17 2 46 1 17 2 45 1 17 2 44 1 17 2 44 1 17	24 10 3 42 24 11 3 42	22 22 22 33 22 23 22 34 22 23 22 34 22 23 22 34 22 22 22 25 22 22 22 35 22 22 22 35 22 22 22 35 22 22 35	8 59 10 0 0 49 9 2 9 59 0 49 9 4 9 58 0 48 9 7 9 58 0 48 9 9 9 57 0 48 9 12 9 56 0 48

Julian Day Number = 2370308.5, Delta T = 22.14 sec Ecliptic obliquity = 23°28'03, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^\circ38'06$, Lahiri = $20^\circ45'06$ Greg. Calendar

SEPTEMBER 1777 00:00 UT

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Day	Sid.t	0)	ğ	φ	♂	4	ħ)∤(并	В	S.	v	Ç	ę,	Day
M 1	22 41 53	8 m 47'45	27 N 22	27 m 19	249516	18 M 7	13 N 42	29 ≏ 46	15 I 9	26 Mp 10	28°R 3	16°R56	159511	6 M .48	23°R35	M 1
T 2	22 45 50	9°45'57	9 m 59	28°52	25°21	18°46	13°55	29°51	15°10	26°12	28중 2	169549	15° 8	6°55	23 Y 33	T 2
W 3	22 49 46	10°44'11	22°26	0 ჲ 24	26°25	19°25	14° 8	29°57	15°11	26°14	28° 1	16°39	15° 5	7° 1	23°32	W 3
T 4	22 53 43	11°42'27	4 ≏ 42	1°55	27°31	20° 5	14°20	OM 3	15°12	26°16	28° 0	16°29	15° 2	7° 8	23°30	T 4
F 5	22 57 39	12°40'44	16°48	3°24	28°36	20°44	14°32	0° 8	15°13	26°19	27°59	16°18	14°59	7°15	23°28	F 5
S 6	23 1 36	13°39'03	28°45	4°52	29°41	21°24	14°45	0°14	15°13	26°21	27°58	16° 9	14°55	7°21	23°26	S 6
S 7	23 5 32	14°37'23	10 M .38	6°19	0 Ω 47	22° 4	14°57	0°19	15°14	26°23	27°58	16° 2	14°52	7°28	23°24	S 7
M 8	23 9 29	15°35'46	22°28	7°45	1°53	22°44	15° 9	0°25	15°15	26°25	27°57	15°57	14°49	7°35	23°22	M 8
T 9	23 13 26	16°34'10	4 ₹ 20	9° 9	2°59	23°24	15°21	0°31	15°15	26°27	27°56	15°54	14°46	7°42	23°19	T 9
W10	23 17 22	17°32'35	16°19	10°33	4° 6	24° 4	15°34	0°37	15°16	26°30	27°55	15°D53	14°43	7°48	23°17	W10
T 11	23 21 19	18°31'02	28°30	11°54	5°12	24°44	15°46	0°43	15°16	26°32	27°54	15°53	14°39	7°55	23°15	T 11
F 12	23 25 15	19°29'31	10 궁 59	13°15	6°19	25°25	15°58	0°49	15°17	26°34	27°53	15°R54	14°36	8° 2	23°13	F 12
S 13	23 29 12	20°28'01	23°49	14°34	7°26	26° 5	16°10	0°55	15°17	26°36	27°53	15°54	14°33	8° 8	23°11	S 13
S 14	23 33 8	21°26'33	7 ≈ 5	15°52	8°33	26°46	16°22	1° 1	15°18	26°38	27°52	15°52	14°30	8°15	23° 8	S 14
M15	23 37 5	22°25'07	20°49	17° 8	9°41	27°27	16°34	1° 7	15°18	26°41	27°51	15°48	14°27	8°22	23° 6	M15
T 16	23 41 1	23°23'43	5 米 0	18°22	10°48	28° 7	16°45	1°13	15°18	26°43	27°51	15°41	14°24	8°29	23° 4	T 16
W17	23 44 58	24°22'20	19°35	19°35	11°56	28°48	16°57	1°20	15°18	26°45	27°50	15°32	14°20	8°35	23° 1	W17
T 18	23 48 55	25°20'59	4 Υ 27	20°46	13° 4	29°30	17° 9	1°26	15°19	26°47	27°49	15°22	14°17	8°42	22°59	T 18
F 19	23 52 51	26°19'40	19°27	21°56	14°12	0 ∡ 11	17°20	1°32	15°19	26°50	27°49	15°12	14°14	8°49	22°56	F 19
S 20	23 56 48	27°18'23	4826	23° 3	15°20	0°52	17°32	1°38	15°R19	26°52	27°48	15° 2	14°11	8°55	22°54	S 20
S 21	0 0 44	28°17'09	19°14	24° 8	16°29	1°33	17°43	1°45	15°19	26°54	27°48	14°55	14° 8	9° 2	22°51	S 21
M22	0 441	29°15'57	3 Ⅱ 47	25°11	17°37	2°15	17°55	1°51	15°19	26°56	27°47	14°51	14° 5	9° 9	22°49	M22
T 23	0 8 37	0 ≏ 14'47	17°58	26°12	18°46	2°57	18° 6	1°58	15°19	26°59	27°47	14°48	14° 1	9°16	22°46	T 23
W24	0 12 34	1°13'40	19549	27°10	19°55	3°38	18°17	2° 4	15°18	27° 1	27°46	14°D48	13°58	9°22	22°44	W24
T 25	0 16 30	2°12'34	15°19	28° 6	21° 4	4°20	18°29	2°11	15°18	27° 3	27°46	14°R48	13°55	9°29	22°41	T 25
F 26	0 20 27	3°11'32	28°30	28°58	22°13	5° 2	18°40	2°17	15°18	27° 5	27°45	14°48	13°52	9°36	22°38	F 26
S 27	0 24 24	4°10'31	11 Ω 26	29°47	23°23	5°44	18°51	2°24	15°18	27° 7	27°45	14°45	13°49	9°42	22°36	S 27
S 28	0 28 20	5° 9'33	24° 9	0 M .33	24°32	6°26	19° 2	2°31	15°17	27°10	27°45	14°40	13°45	9°49	22°33	S 28
M29	0 32 17	6° 8'36	6 m 41	1°15	25°42	7° 9	19°13	2°37	15°17	27°12	27°44	14°32	13°42	9°56	22°30	M29
T 30	0 36 13	7 ♀ 7'42	19 m) 3	1 M .53	$26\Omega 52$	7 ₹ 51	19 Ω 24	2 M .44	15 Ⅱ 16	27 Mp 14	27 중 44	149521	13939	10M 3	22 Y 28	T 30

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M 1 T 2	8n17 7 55	15n31 3n19		8 19n34 1s45 0 19 27 1 40		2 17n17 3 17 14	0n35 0 35	9s15 9 17		22n38 22 38		2n42 2 41		24 s12 24 12			22n36 22 36	9s17 9 19	9n55 9 54	0n48 0 48
W 3	7 33	7 16 4 38				3 17 10	0 35	9 17	2 18			2 41	1 17				22 37	9 19	9 54	0 48
T 4	7 11	2 42 4 58	1 0 0 1				0 35	9 22	2 17			2 39	1 17	24 13			22 37	9 24	9 53	0 48
F 5	6 49	1 s 5 5 5		23 19 3 1 27			0 35	9 24	2 17			2 38	1 17	-			22 38	9 26	9 52	0 48
S 6	6 26	6 25 4 57	2 25 0 3	31 18 54 1 22	19 20 1 1:	5 17 0	0 35	9 26	2 17	22 38	0 1	2 38	1 17	24 13	3 42	22 29	22 38	9 29	9 51	0 48
S 7	6 4	10 38 4 37	3 7 0 3	39 18 45 1 17	19 31 1 1:	16 56	0 35	9 28	2 17	22 38	0 0	2 37	1 17	24 13	3 42	22 30	22 38	9 31	9 50	0 48
M 8	5 41	14 27 4 5				6 16 53	0 36	9 30	2 17			2 36	1 17	24 13			22 39	9 34	9 50	0 48
T 9	-	17 43 3 23				6 16 49	0 36	9 32	2 16			2 35	1 17	-	-	_	22 39	9 36	9 49	0 48
W10				4 18 13 1 4		7 16 46	0 36	9 34	2 16			2 34		24 14	-	_	22 39	9 39	9 48	0 48
T 11 F 12		21 56 1 31 22 35 0 26				7 16 42	0 36	9 37	2 16			2 33	1 17				22 40 22 40	9 41 9 44	9 47	0 48 0 48
S 13	3 47					7 16 39 8 16 35	0 36	9 39 9 41	2 16	22 39 22 39		2 32 2 31		24 14 24 14			22 40	9 44	9 46 9 45	0 48
								-							-					
S 14	-	20 18 1 50				8 16 32	0 36	9 43	2 16			2 31	1 17		-	_	22 41	9 49	9 44	0 48
M15	3 1	17 19 2 54			20 53 1 1		0 37	9 46				2 30	1 17				22 41	9 51	9 43	0 48
T 16 W17	2 38	13 15 3 50		52 16 57 0 37			0 37	9 48 9 50	2 15			2 29	1 17	-		22 33		9 54	9 43 9 42	0 47 0 47
T 18	2 14 1 51	8 18 4 32 2 46 4 56				9 16 22 0 16 18	0 37 0 37	9 50	2 15 2 15			2 28 2 27	1 17	24 15 24 15			22 42 22 42	9 56 9 58	9 42 9 41	0 47
F 19	1 28		10 38 2 1			0 16 15	0 37	9 55	2 15			2 27		24 15			22 42	10 1	9 40	0 47
S 20	1 4		11 10 2 2			0 16 11	0 37	9 57	2 15			2 25		24 15			22 42	-	9 39	0 47
S 21																				0 47
M22	-	13 33 4 10 17 40 3 19	11 41 2 3		21 49 1 2 21 57 1 2		0 37 0 38	9 59 10 2	2 15 2 14			2 24 2 24	1 17	24 15 24 15		22 38	22 43 22 43		9 38 9 37	0 47
T 23			12 11 2 3				0 38		2 14			2 24	1 17	-			22 43		9 36	0 47
W24						-	0 38	-	2 14			2 22	1 17	_	-		22 44	-	9 35	0 47
T 25		22 38 On 3					0 38		2 14			2 21	1 17	-			22 44		9 34	0 47
F 26		21 39 1 12		2 14 11 0 4			0 38		2 14			2 20	1 17	-					9 33	0 47
S 27	-				22 38 1 2			-		22 39		2 19		24 16	-		22 45		9 32	0 47
S 28	2 3	16 30 3 12	14 41 3 1	12 13 33 0 12	22 46 1 2	3 15 45	0 38	10 16	2 14	22 39	0 0	2 18	1 17	24 16	3 42	22 40	22 45	10 23	9 30	0 47
M29	2 27	12 45 3 58	15 0 3 1	17 13 13 0 16	22 53 1 2	3 15 41	0 39	10 18	2 14	22 39	0 0	2 17	1 17	24 16	3 42	22 40	22 46	10 25	9 29	0 47
T 30	2 s50	8n30 4n31	15 s 16 3 s 2	21 12n53 0n20	23 s 1 1 s2	3 15n38	0n39	10s21	2n14	22n39	0s 0	2n17	1n17	24s16	3 s42	22n42	22n46	$10\mathrm{s}28$	9n28	0n47

 $\label{eq:Julian Day Number = 2370339.5, Delta\ T = 22.15\ sec} \\ Ecliptic\ obliquity = 23°28'04, Nutation = -0°00'16, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 21°38'10, Lahiri = 20°45'11Greg.\ Calendar$

OCTOBER 1777 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)ұ(并	В	R	ດ	Ç	ķ	Day
W 1	0 40 10	8 <u>₽</u> 6'50	1 2 16	2M26	28 Ω 2	8 × ⁷ 33	19Ω34	2 M .51	15°R16	27 m/16	27°R44	14°R 8	13936	10 M 9	22°R25	W 1
T 2	0 44 6	9° 6'00	13°22	2°54	29°12	9°16	19°45	2°58	15 I I15	27°18	27 중 43	13954	13°33	10°16	22 Υ 22	T 2
F 3	0 48 3	10° 5'13	25°21	3°17	0 m 22	9°59	19°55	3° 5	15°15	27°21	27°43	13°39	13°30	10°23	22°19	F 3
S 4	0 51 59	11° 4'27	7 M .15	3°34	1°32	10°41	20° 6	3°11	15°14	27°23	27°43	13°26	13°26	10°29	22°17	S 4
S 5	0 55 56	12° 3'43	19° 5	3°45	2°43	11°24	20°16	3°18	15°13	27°25	27°43	13°15	13°23	10°36	22°14	S 5
M 6	0 59 52	13° 3'01	0 ∡ 754	3°R49	3°54	12° 7	20°27	3°25	15°13	27°27	27°43	13° 7	13°20	10°43	22°11	M 6
T 7	1 3 49	14° 2'21	12°45	3°45	5° 4	12°50	20°37	3°32	15°12	27°29	27°43	13° 2	13°17	10°49	22° 8	T 7
W 8	1 7 46	15° 1'43	24°42	3°34	6°15	13°33	20°47	3°39	15°11	27°32	27°42	12°59	13°14	10°56	22° 5	W 8
T 9	1 11 42	16° 1'06	6 ප 50	3°15	7°26	14°17	20°57	3°46	15°10	27°34	27°42	12°58	13°10	11° 3	22° 3	T 9
F 10	1 15 39	17° 0'32	19°14	2°48	8°37	15° 0	21° 7	3°53	15° 9	27°36	27°D42	12°58	13° 7	11°10	22° 0	F 10
S 11	1 19 35	17°59'59	1 ≈ 59	2°12	9°48	15°43	21°16	4° 0	15° 8	27°38	27°42	12°58	13° 4	11°16	21°57	S 11
S 12	1 23 32	18°59'28	15°11	1°28	11° 0	16°27	21°26	4° 7	15° 7	27°40	27°42	12°56	13° 1	11°23	21°54	S 12
M13	1 27 28	19°58'58	28°51	0°36	12°11	17°10	21°36	4°14	15° 6	27°42	27°42	12°51	12°58	11°30	21°51	M13
T 14	1 31 25	20°58'31	13 ¥ 3	29 ≏ 37	13°23	17°54	21°45	4°21	15° 5	27°44	27°43	12°44	12°55	11°36	21°48	T 14
W15	1 35 21	21°58'05	27°42	28°31	14°34	18°38	21°55	4°28	15° 3	27°46	27°43	12°35	12°51	11°43	21°45	W15
T 16	1 39 18	22°57'41	12 Y 44	27°21	15°46	19°21	22° 4	4°36	15° 2	27°48	27°43	12°24	12°48	11°50	21°43	T 16
F 17	1 43 15	23°57'19	27°59	26° 7	16°58	20° 5	22°13	4°43	15° 1	27°50	27°43	12°13	12°45	11°57	21°40	F 17
S 18	1 47 11	24°56'59	13 8 17	24°52	18°10	20°49	22°22	4°50	14°59	27°52	27°43	12° 3	12°42	12° 3	21°37	S 18
S 19	1 51 8	25°56'41	28°25	23°38	19°22	21°33	22°31	4°57	14°58	27°55	27°43	11°55	12°39	12°10	21°34	S 19
M20	1 55 4	26°56'26	13 Ⅱ 15	22°27	20°34	22°17	22°40	5° 4	14°57	27°57	27°44	11°50	12°36	12°17	21°31	M20
T 21	1 59 1	27°56'12	27°41	21°22	21°46	23° 1	22°48	5°11	14°55	27°59	27°44	11°47	12°32	12°23	21°28	T 21
W22	2 2 57	28°56'01	119541	20°24	22°59	23°46	22°57	5°19	14°54	28° 1	27°44	11°D46	12°29	12°30	21°25	W22
T 23	2 6 54	29°55'52	25°14	19°35	24°11	24°30	23° 5	5°26	14°52	28° 2	27°45	11°R47	12°26	12°37	21°23	T 23
F 24	2 10 50	0ML55'46	8 Ω 24	18°56	25°24	25°14	23°14	5°33	14°51	28° 4	27°45	11°47	12°23	12°43	21°20	F 24
S 25	2 14 47	1°55'41	21°14	18°29	26°36	25°59	23°22	5°40	14°49	28° 6	27°45	11°45	12°20	12°50	21°17	S 25
S 26	2 18 44	2°55'39	3 m 47	18°12	27°49	26°44	23°30	5°47	14°47	28° 8	27°46	11°41	12°16	12°57	21°14	S 26
M27	2 22 40	3°55'39	16° 7	18°D 8	29° 2	27°28	23°38	5°55	14°46	28°10	27°46	11°34	12°13	13° 4	21°11	M27
T 28	2 26 37	4°55'41	28°17	18°14	0 ₽ 15	28°13	23°46	6° 2	14°44	28°12	27°47	11°24	12°10	13°10	21° 9	T 28
W29	2 30 33	5°55'45	10 <u>₽</u> 20	18°31	1°27	28°58	23°53	6° 9	14°42	28°14	27°47	11°13	12° 7	13°17	21° 6	W29
T 30 F 31	2 34 30	6°55'51	22°18	18°58 19 Ω 35	2°40 3 ≙ 54	29°42 0 る 27	24° 1	6°16	14°40 14 Ⅲ 38	28°16	27°48 27 ~3 48	11° 0 10 © 48	12° 4 12 © 1	13°24	21° 3 21 ° 0	T 30 F 31
F 31	2 38 26	7 M 55'59	4 M .11	193435	3 24 34	002/	24 N 8	6M23	14Щ38	28 m 18	2/048	10=948	ا فك∠ا	13 M .30	21 Υ 0	F 31

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W 1 T 2	3 s13 3 37		52 15 s31 59 15 43			0n23 23 s 0 27 23 1		15n35 15 32	0n39 0 39			22n39 22 39							22n46 22 47	10s30 10 33	9n27 9 26	0n47 0 46
F 3 S 4	4 0 4 23	5 16 4 5 9 37 4 3	53 15 53 34 16 0	-		0 30 23 2 0 34 23 2		15 29 15 25		10 28 10 30		22 39 22 39			-				22 47 22 47		9 25 9 24	0 46 0 46
S 5 M 6 T 7	4 46 5 10 5 33	17 3 3 2	4 16 3 23 16 3 32 16 0	3 28	10 43	0 37 23 3 0 40 23 4 0 44 23 4	0 1 24	15 22 15 19 15 16	0 40 0 40 0 40		2 13 2 13 2 13		0 0	2 11	1 17	24 16	3 42	22 49	22 48 22 48 22 48		9 23 9 22 9 21	0 46 0 46 0 46
W 8 T 9 F 10 S 11	6 19 6 41	22 45 0 3 22 38 0 s3	35 15 53 32 15 41 33 15 25 39 15 5	3 16 3 9	9 34 9 10		-	15 10 15 7	0 40 0 40 0 40 0 41	10 42 10 45	2 13 2 13 2 13	22 38	0 0 0	2 9 2 8	1 17 1 17	24 16 24 16	3 42 3 42	22 50 22 50	22 49 22 49 22 49 22 50	10 50 10 52	9 19 9 18 9 17 9 16	0 46 0 46 0 46 0 46
S 12 M13 T 14 W15 T 16 F 17 S 18	7 27	18 52 2 4 15 17 3 3 10 42 4 2 5 22 4 5 0n25 5 6 16 4 5	41 14 40 37 14 10 22 13 36	2 50 2 38 2 24 2 8 1 51 1 32	8 21 7 57 7 32 7 6 6 41 6 15	0 59 24 1 1 1 24 1 1 4 24 2 1 7 24 2 1 9 24 2 1 12 24 3 1 14 24 3	1 1 25 6 1 25 0 1 26 4 1 26 8 1 26 1 1 26	15 1 14 58 14 55 14 52 14 50	0 41 0 41 0 41 0 41 0 42 0 42 0 42	10 50 10 52 10 55 10 57 10 59 11 2	2 12 2 12 2 12 2 12 2 12 2 12 2 12	22 38 22 38 22 38 22 38 22 37	0 0 0 0 0 0 0 0 0 0 0 0	2 6 2 6 2 5 2 4 2 3 2 2	1 17 1 17 1 17 1 17 1 17 1 17	24 16 24 16 24 16 24 16 24 16 24 16	3 42 3 42 3 42 3 42 3 41 3 41	22 50 22 51 22 51 22 52 22 53 22 54	22 50 22 50 22 50 22 51 22 51 22 51 22 52	10 57 11 0 11 2 11 4 11 7 11 9	9 15 9 14 9 13 9 11 9 10 9 9	0 46 0 46 0 46 0 45 0 45 0 45 0 45
S 19 M20 T 21 W22 T 23 F 24 S 25	10 2 10 24 10 45 11 6 11 28 11 49	16 27 3 2 20 1 2 2 22 13 1 1 22 57 0 22 16 1n1 20 23 2 1	28 9 59 25 9 14 14 8 30 1 7 50 11 7 14 16 6 43	0 52 0 31 0 11 0n 9 0 28 0 46	5 23 4 57 4 30 4 4 3 37 3 10	1 17 24 3 1 19 24 4 1 19 24 4 1 21 24 4 1 25 24 4 1 27 24 4 1 29 24 5	8 1 26 0 1 26 3 1 26 5 1 26 7 1 26 9 1 26	14 41 14 39 14 36 14 33 14 31 14 28 14 26	0 42 0 42 0 42 0 43 0 43 0 43	11 7	2 12 2 12 2 12 2 12 2 12 2 12 2 12	22 37 22 37 22 37 22 37 22 36	0 0 0 0 0 0 0 0 0 0 0 0	2 1 2 0 1 59 1 59 1 58 1 57	1 17 1 17 1 17 1 17 1 17 1 17	24 15 24 15 24 15 24 15 24 15 24 15 24 15	3 41 3 41 3 41 3 41 3 41 3 41	22 56 22 56 22 57 22 57 22 57 22 57	22 52 22 52 22 53 22 53 22 53 22 53 22 54	11 14 11 17 11 19 11 21 11 24 11 26	9 7 9 6 9 5 9 3 9 2 9 1 9 0	0 45 0 45 0 45 0 45 0 45 0 45 0 45 0 45
S 26 M27 T 28 W29 T 30 F 31	12 30 12 51 13 11 13 31 13 51 14 s10	9 41 4 3 5 11 4 3	33 5 44 55 5 36 2 5 34 57 5 37	1 30 1 41 1 50 1 58	1 48 1 20 0 52 0 25	1 30 24 5 1 32 24 5 1 34 24 5 1 35 24 5 1 36 24 5 1n38 24 5	3 1 26 3 1 26 4 1 26 4 1 26	14 23 14 21 14 18 14 16 14 14 14n11	0 44 0 44 0 44 0 44	11 24 11 26 11 28 11 31 11 33 11 s36	2 12 2 12 2 12 2 12	22 36 22 36 22 36 22 35 22 35 22n35	0 0 0 0 0n 0 0 0	1 55 1 54 1 53 1 53	1 17 1 18 1 18 1 18	24 15 24 14 24 14 24 14	3 41 3 41 3 41 3 41	22 58 22 59 23 0 23 1	22 54 22 54 22 55 22 55 22 55 22 55 22n55	11 34 11 36 11 38 11 41	8 59 8 58 8 57 8 55 8 54 8n53	0 45 0 44 0 44 0 44 0 44 0n44

Julian Day Number = 2370369.5, Delta T = 22.16 sec Ecliptic obliquity = $23^{\circ}28'04$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}38'14$, Lahiri = $20^{\circ}45'15$ Greg. Calendar

NOVEMBER 1777 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	n	v	Ç	Ŗ	Day
S 1	2 42 23	8 M 56'09	16M 2	20 ₽ 19	5 ₾ 7	1 궁 12	24 \O 16	6 M .31	14°R36	28 m 19	27 る 49	10°R36	11957	13 M .37	20°R58	S 1
S 2	2 46 19	9°56'20	27°52	21°12	6°20	1°57	24°23	6°38	14∏34	28°21	27°50	10926	11°54	13°44	20 Y 55	S 2
M 3	2 50 16	10°56'34	9 ∡ 743	22°10	7°33	2°43	24°30	6°45	14°32	28°23	27°50	10°19	11°51	13°50	20°52	M 3
T 4	2 54 13	11°56'49	21°37	23°15	8°47	3°28	24°37	6°52	14°30	28°25	27°51	10°14	11°48	13°57	20°50	T 4
W 5	2 58 9	12°57'06	3 云 37	24°24	10° 0	4°13	24°43	7° 0	14°28	28°26	27°52	10°12	11°45	14° 4	20°47	W 5
T 6	3 2 6	13°57'24	15°46	25°38	11°14	4°58	24°50	7° 7	14°26	28°28	27°53	10°D12	11°42	14°11	20°45	T 6
F 7	3 6 2	14°57'44	28° 9	26°56	12°27	5°44	24°56	7°14	14°24	28°30	27°53	10°13	11°38	14°17	20°42	F 7
S 8	3 9 59	15°58'05	10≈51	28°16	13°41	6°29	25° 2	7°21	14°22	28°31	27°54	10°R14	11°35	14°24	20°39	S 8
S 9	3 13 55	16°58'27	23°56	29°39	14°54	7°15	25° 9	7°28	14°20	28°33	27°55	10°14	11°32	14°31	20°37	S 9
M10	3 17 52	17°58'51	7 ∺ 28	1 M 5	16° 8	8° 0	25°14	7°35	14°18	28°35	27°56	10°12	11°29	14°37	20°34	M10
T 11	3 21 48	18°59'16	21°28	2°32	17°22	8°46	25°20	7°43	14°16	28°36	27°57	10° 8	11°26	14°44	20°32	T 11
W12	3 25 45	19°59'43	5 Ƴ 57	4° 1	18°36	9°31	25°26	7°50	14°13	28°38	27°58	10° 2	11°22	14°51	20°30	W12
T 13	3 29 42	21° 0'11	20°51	5°31	19°50	10°17	25°31	7°57	14°11	28°39	27°59	9°55	11°19	14°57	20°27	T 13
F 14	3 33 38	22° 0'40	6 8 2	7° 2	21° 3	11° 3	25°37	8° 4	14° 9	28°41	28° 0	9°47	11°16	15° 4	20°25	F 14
S 15	3 37 35	23° 1'11	21°21	8°34	22°17	11°48	25°42	8°11	14° 6	28°42	28° 0	9°40	11°13	15°11	20°23	S 15
S 16	3 41 31	24° 1'43	6 Ⅱ 37	10° 6	23°31	12°34	25°47	8°18	14° 4	28°44	28° 1	9°35	11°10	15°18	20°20	S 16
M17	3 45 28	25° 2'17	21°39	11°39	24°46	13°20	25°52	8°25	14° 2	28°45	28° 3	9°31	11° 7	15°24	20°18	M17
T 18	3 49 24	26° 2'53	69518	13°13	26° 0	14° 6	25°56	8°32	13°59	28°47	28° 4	9°D30	11° 3	15°31	20°16	T 18
W19	3 53 21	27° 3'30	20°31	14°47	27°14	14°52	26° 1	8°39	13°57	28°48	28° 5	9°30	11° 0	15°38	20°14	W19
T 20	3 57 17	28° 4'09	4 Ω 15	16°21	28°28	15°38	26° 5	8°46	13°55	28°49	28° 6	9°32	10°57	15°44	20°12	T 20
F 21	4 1 14	29° 4'50	17°33	17°55	29°42	16°24	26° 9	8°53	13°52	28°51	28° 7	9°33	10°54	15°51	20°10	F 21
S 22	4 5 11	0 ≯ 5'32	0 m /26	19°29	0 M .57	17°10	26°13	9° 0	13°50	28°52	28° 8	9°R34	10°51	15°58	20° 7	S 22
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M24	4 13 4	2° 7'01	25°16	22°37	3°26	18°43	26°20	9°14	13°45	28°54	28°10	9°30	10°44	16°11	20° 4	M24
T 25	4 17 0	3° 7'48	7 ≏ 21	24°12	4°40	19°29	26°24	9°21	13°42	28°56	28°12	9°26	10°41	16°18	20° 2	T 25
W26	4 20 57	4° 8'36	19°18	25°46	5°54	20°15	26°27	9°27	13°40	28°57	28°13	9°20	10°38	16°25	20° 0	W26
T 27	4 24 53	5° 9'26	1 M _10	27°20	7° 9	21° 2	26°30	9°34	13°37	28°58	28°14	9°14	10°35	16°31	19°58	T 27
F 28	4 28 50	6°10'17	13° 1	28°55	8°24	21°48	26°33	9°41	13°35	28°59	28°16	9° 7	10°32	16°38	19°56	F 28
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M24	20 37	6 30	5 1	17 54	0 35	11 3	1 43 23	1 1 23	13 32	0 50	12 30	2 12	22 29	0 0	1 38	1 19	24 9	3 41	23 8	23 2	12 41	8 30	0 42
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 $\label{eq:Julian Day Number = 2370400.5, Delta T = 22.16 sec} \\ \text{Ecliptic obliquity = } 23°28'04, \text{Nutation = -0°00'19, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = } 21°38'18, \text{Lahiri = } 20°45'19\text{Greg. Calendar} \\ \text{Calendar} \\ \text{C$

DECEMBER 1777 00:00 UT

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T 2	4 44 36	10°13'54	0 ප 43	5°11	13°22	24°54	26°43	10° 7	13Ⅲ25	29° 3	28°21	8951	10°19	17° 5	19 Y 49	T 2
W 3	4 48 33	11°14'51	12°53	6°46	14°37	25°40	26°44	10°14	13°22	29° 4	28°22	8°D51	10°16	17°11	19°48	W 3
T 4	4 52 29	12°15'49	25°12	8°20	15°51	26°27	26°46	10°21	13°19	29° 5	28°24	8°52	10°13	17°18	19°46	T 4
F 5	4 56 26	13°16'47	7≈44	9°54	17° 6	27°14	26°48	10°27	13°17	29° 6	28°25	8°53	10° 9	17°25	19°45	F 5
S 6	5 0 22	14°17'46	20°30	11°28	18°21	28° 0	26°49	10°33	13°14	29° 7	28°27	8°55	10° 6	17°32	19°44	S 6
S 7	5 4 19	15°18'46	3 ∺ 35	13° 2	19°36	28°47	26°50	10°40	13°12	29° 8	28°28	8°56	10° 3	17°38	19°42	S 7
M 8	5 8 15	16°19'46	17° 2	14°36	20°51	29°34	26°51	10°46	13° 9	29° 9	28°30	8°R57	10° 0	17°45	19°41	M 8
T 9	5 12 12	17°20'47	0 Υ 50	16°11	22° 5	0≈20	26°52	10°52	13° 7	29° 9	28°31	8°56	9°57	17°52	19°40	T 9
W10	5 16 9	18°21'48	15° 3	17°45	23°20	1° 7	26°53	10°59	13° 4	29°10	28°33	8°55	9°53	17°58	19°39	W10
T 11	5 20 5	19°22'50	29°36	19°19	24°35	1°54	26°53	11° 5	13° 2	29°11	28°34	8°52	9°50	18° 5	19°37	T 11
F 12	5 24 2	20°23'52	14827	20°54	25°50	2°41	26°R53	11°11	12°59	29°11	28°36	8°50	9°47	18°12	19°36	F 12
S 13	5 27 58	21°24'55	29°29	22°29	27° 5	3°28	26°53	11°17	12°57	29°12	28°37	8°48	9°44	18°18	19°35	S 13
S 14	5 31 55	22°25'58	14 Ⅲ 32	24° 3	28°20	4°14	26°53	11°23	12°54	29°13	28°39	8°46	9°41	18°25	19°34	S 14
M15	5 35 51	23°27'02	29°28	25°38	29°35	5° 1	26°53	11°29	12°52	29°13	28°41	8°45	9°38	18°32	19°34	M15
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S 20	5 55 34	28°32'31	8 m /50	3°36	5°50	8°56	26°48	11°58	12°39	29°16	28°49	8°48	9°22		19°30	S 20
S 21	5 59 31	29°33'39	21°29	5°12	7° 5	9°43	26°46	12° 4	12°37	29°16	28°51	8°49	9°19	19°12	19°29	S 21
M22	6 3 27	0 ට 34'48	3 ≙ 49	6°48	8°20	10°30	26°44	12°10	12°34	29°16	28°53	8°R49	9°15	19°19	19°29	M22
T 23	6 7 24	1°35'56	15°55	8°24	9°35	11°17	26°42	12°15	12°32	29°17	28°54	8°49	9°12	19°25	19°28	T 23
W24	6 11 20	2°37'06	27°51	10° 1	10°50	12° 4	26°40	12°21	12°30	29°17	28°56	8°48	9° 9	19°32	19°28	W24
T 25	6 15 17	3°38'16	9M41	11°38	12° 5	12°51	26°38	12°26	12°27	29°17	28°58	8°47	9° 6	19°39	19°28	T 25
F 26 S 27	6 19 14 6 23 10	4°39'26 5°40'37	21°31 3 × 723	13°15 14°52	13°20 14°36	13°38 14°25	26°35 26°33	12°31 12°37	12°25 12°23	29°17 29°17	29° 0 29° 1	8°47 8°46	9° 3 8°59	19°45 19°52	19°27 19°27	F 26 S 27
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S 28	6 27 7	6°41'49	15°20	16°30	15°51	15°12	26°30	12°42	12°21	29°18	29° 3	8°46	8°56	19°59	19°27	S 28
M29	631 3	7°43'00	27°25	18° 7	17° 6	15°59	26°27	12°47	12°18	29°18	29° 5	8°46	8°53	20° 5	19°27	M29
T 30	6 35 0	8°44'11	9 국 39	19°44	18°21	16°46	26°23	12°52	12°16	29°18	29° 7	8°46	8°50	20°12	19°D27	T 30
W31	6 38 56	9 る 45'23	22 る 5	21 궁 22	19 ∡ ³36	17 ≈ 33	26 Ω 20	12 M 57	12 Ⅱ 14	29°R18	29궁 9	8 9 46	8 9 47	20 IL 19	19 Y 27	W31

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Julian Day Number = 2370430.5, Delta T = 22.17 sec Ecliptic obliquity = $23^{\circ}28'03$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $21^{\circ}38'23$, Lahiri = $20^{\circ}45'23$ Greg. Calendar