

# Astrodienst Ephemeris Tables for the year 2077

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 2077 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)મ(	并	Р	S.	v	Ç	Ŷ,	Day
F 1	6 45 11	11 <b>궁</b> 12'00	1 <b>Υ</b> 42	18 <b>∡</b> 756	25 <b>√</b> 4	12≈25	9 <b>M</b> .49	3 <b>ට</b> 19	18 <b>궁</b> 47	25°R35	8 <b>Y</b> 59	16°R54	15 <b>Ⅱ</b> 45	6 <b>m</b> 28	25°R18	F 1
S 2	6 49 7	12°13'10	15°44	19°42	26°19	13°12	9°58	3°26	18°51	25933	8°59	16°D54	15°41	6°35	25 <b>Y</b> 18	S 2
S 3	6 53 4	13°14'18	29°30	20°33	27°34	13°59	10° 7	3°33	18°54	25°31	9° 0	16耳55	15°38	6°42	25°17	S 3
M 4	6 57 1	14°15'27	13 <b>8</b> 0	21°28	28°50	14°46	10°16	3°40	18°58	25°30	9° 0	16°56	15°35	6°49	25°17	M 4
T 5	7 0 57	15°16'35	26°15	22°26	0중 5	15°34	10°24	3°47	19° 1	25°28	9° 0	16°58	15°32	6°55	25°D17	T 5
W 6	7 4 54	16°17'44	9 <b>Ⅱ</b> 16	23°28	1°20	16°21	10°33	3°54	19° 5	25°26	9° 0	16°59	15°29	7° 2	25°17	W 6
T 7	7 8 50	17°18'52	22° 5	24°33	2°36	17° 8	10°41	4° 1	19°8	25°25	9° 1	16°R59	15°26	7° 9	25°17	T 7
F 8	7 12 47	18°19'59	49543	25°40	3°51	17°55	10°50	4° 8	19°12	25°23	9° 1	16°58	15°22	7°16	25°18	F 8
S 9	7 16 43	19°21'07	17°10	26°50	5° 6	18°43	10°58	4°15	19°16	25°21	9° 2	16°55	15°19	7°22	25°18	S 9
S 10	7 20 40	20°22'14	29°27	28° 2	6°21	19°30	11° 6	4°22	19°19	25°20	9° 2	16°50	15°16	7°29	25°18	S 10
M11	7 24 37	21°23'21	11 <b>Q</b> 35	29°16	7°37	20°17	11°14	4°29	19°23	25°18	9° 2	16°44	15°13	7°36	25°18	M11
T 12	7 28 33	22°24'28	23°36	0 <b>궁</b> 31	8°52	21° 5	11°22	4°36	19°26	25°16	9° 3	16°37	15°10	7°42	25°19	T 12
W13	7 32 30	23°25'34	5 <b>m</b> y31	1°48	10° 7	21°52	11°30	4°43	19°30	25°14	9° 3	16°30	15° 6	7°49	25°19	W13
T 14	7 36 26	24°26'41	17°23	3° 7	11°23	22°39	11°37	4°49	19°33	25°13	9° 4	16°24	15° 3	7°56	25°20	T 14
F 15	7 40 23	25°27'47	29°15	4°26	12°38	23°27	11°45	4°56	19°37	25°11	9° 4	16°19	15° 0	8° 3	25°20	F 15
S 16	7 44 19	26°28'53	11 <b>≏</b> 10	5°47	13°53	24°14	11°52	5° 3	19°40	25° 9	9° 5	16°15	14°57	8° 9	25°21	S 16
S 17	7 48 16	27°29'59	23°14	7° 9	15° 9	25° 1	11°59	5°10	19°44	25° 8	9° 6	16°D14	14°54	8°16	25°22	S 17
M18	7 52 12	28°31'04	5 <b>M</b> 30	8°32	16°24	25°48	12° 6	5°16	19°48	25° 6	9° 6	16°14	14°51	8°23	25°22	M18
T 19	7 56 9	29°32'10	18° 4	9°56	17°39	26°36	12°13	5°23	19°51	25° 4	9° 7	16°15	14°47	8°29	25°23	T 19
W20	8 0 6	0≈33'15	1 🗷 1	11°21	18°55	27°23	12°20	5°30	19°55	25° 3	9° 7	16°17	14°44	8°36	25°24	W20
T 21	8 4 2	1°34'20	14°23	12°47	20°10	28°10	12°26	5°36	19°58	25° 1	9° 8	16°R18	14°41	8°43	25°25	T 21
F 22	8 7 59	2°35'24	28°13	14°13	21°25	28°58	12°33	5°43	20° 2	24°59	9° 9	16°17	14°38	8°50	25°26	F 22
S 23	8 11 55	3°36'28	12 <b>る</b> 31	15°40	22°41	29°45	12°39	5°50	20° 5	24°58	9° 9	16°14	14°35	8°56	25°27	S 23
S 24	8 15 52	4°37'32	27°13	17° 8	23°56	0 <b>)</b> €32	12°45	5°56	20° 9	24°56	9°10	16° 9	14°32	9° 3	25°28	S 24
M25	8 19 48	5°38'34	12≈12	18°37	25°11	1°20	12°51	6° 3	20°12	24°54	9°11	16° 2	14°28	9°10	25°29	M25
T 26	8 23 45	6°39'36	27°20	20° 6	26°27	2° 7	12°57	6° 9	20°16	24°53	9°12	15°54	14°25	9°17	25°30	T 26
W27	8 27 41	7°40'37	12 <b>米</b> 25	21°36	27°42	2°54	13° 3	6°15	20°19	24°51	9°12	15°46	14°22	9°23	25°31	W27
T 28	8 31 38	8°41'37	27°18	23° 7	28°57	3°42	13° 8	6°22	20°23	24°49	9°13	15°39	14°19	9°30	25°33	T 28
F 29	8 35 35	9°42'35	11 <b>Y</b> 53	24°39	0≈13	4°29	13°13	6°28	20°26	24°48	9°14	15°33	14°16	9°37	25°34	F 29
S 30	8 39 31	10°43'33	26° 4	26°11	1°28	5°16	13°19	6°34	20°29	24°46	9°15	15°30	14°12	9°43	25°35	S 30
S 31	8 43 28	11≈44'29	9 <b>8</b> 51	27 <b>궁</b> 44	2≈43	6 <b>∺</b> 4	13 <b>M</b> 24	6 <b>ප</b> 41	20 <b>ප</b> 33	249544	9 <b>Υ</b> 16	15°D29	14 <b>I</b> 9	9 <b>m</b> 50	25 <b>Ƴ</b> 37	S 31

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F 1 S 2	22 s57 22 52		20 s 36 20 48	2n22 22s57 2 14 23 2	0n23 18 s11 0 20 17 58		13 s40 13 43		22 s33 22 33		22 s32 22 31				11 s54 11 54					10n 1 10 1	0n15 0 15
S 3 M 4 T 5 W 6 T 7 F 8 S 9 S 10 M11	22 26 22 19 22 11	12 56 2 56 17 30 1 51 21 8 0 42 23 39 0n28 24 56 1 35 24 56 2 37 23 42 3 31	21 12 21 24 21 37 21 48 22 0 22 11 22 21	2 6 23 7 1 57 23 10 1 49 23 13 1 40 23 15 1 31 23 16 1 22 23 17 1 13 23 17 1 4 23 16 0 55 23 15	0 18 17 44 0 15 17 30 0 13 17 16 0 10 17 1 0 8 16 46 0 5 16 32 0 3 16 17 0 0 16 2 0s 2 15 46	1 9 1 9 1 8 1 8 1 8 1 7	13 51 13 53 13 56 13 58 14 0 14 3	1 9 1 9 1 9 1 9 1 9 1 10	22 33 22 32 22 32 22 32 22 32 22 32 22 32 22 32 22 32 22 31	0 50 0 50 0 50 0 50 0 50 0 50 0 50	22 31 22 30 22 30 22 29 22 29 22 28 22 28 22 27 22 27	0 25 0 25 0 25 0 25 0 25 0 25 0 25	20 30 20 30 20 30 20 31 20 31 20 31 20 32	0 33 0 33 0 33 0 33 0 33 0 33	11 53 11 53 11 52 11 52 11 51 11 51 11 50 11 50 11 49	16 49 16 48 16 48 16 48 16 47 16 47	22 47 22 48 22 48 22 48 22 47 22 47 22 47	22 39 22 39 22 38 22 38 22 38 22 37 22 37	13 44 13 41 13 39 13 36 13 34 13 32 13 29	10 1 10 0 10 0 10 0 10 0 10 0 10 0	
F 15 S 16	21 24 21 13 21 2 20 51	14 12 5 4 9 44 5 10 4 55 5 2 0s 6 4 41	22 47 22 55 23 1 23 6	0 46 23 13 0 38 23 10 0 29 23 6 0 21 23 2 0 12 22 57	0 5 15 31 0 7 15 15 0 10 14 59 0 12 14 43 0 15 14 27	1 6 1 5 1 5 1 5	14 7 14 10 14 12 14 14 14 16	1 10 1 10 1 11 1 11	22 31 22 31 22 31 22 31 22 30	0 50 0 50 0 50 0 50	22 26 22 26 22 25 22 25 22 24	0 25 0 25 0 25 0 25	20 32 20 33 20 33 20 33	0 33 0 33 0 33 0 33	11 49 11 48 11 48 11 47 11 47	16 45 16 45 16 45 16 44	22 45 22 44 22 44 22 43	22 36 22 36 22 35 22 35	13 22 13 19 13 17 13 15	10 1 10 1 10 1 10 1	0 14 0 14 0 14 0 14 0 14
S 17 M18 T 19 W20 T 21 F 22 S 23	20 14 20 1 19 48	10 10 3 23 14 51 2 27 19 1 1 22 22 21 0 10 24 29 1s 4	23 13 23 15 23 16 23 15 23 15 23 14	0 4 22 51 0s 4 22 45 0 12 22 37 0 19 22 30 0 27 22 21 0 34 22 12 0 41 22 2	0 17 14 11 0 19 13 55 0 22 13 38 0 24 13 22 0 26 13 5 0 29 12 48 0 31 12 31	1 4 1 3 1 3 1 3 1 2	14 18 14 20 14 22 14 24 14 26 14 27 14 29	1 11 1 11 1 11 1 12 1 12	22 30 22 30 22 30 22 29 22 29 22 29 22 29	0 50 0 50 0 49 0 49 0 49	22 24 22 23 22 22 22 22 22 22 22 21 22 21	0 25 0 25 0 25 0 25 0 25 0 25	20 34 20 34 20 35 20 35 20 35	0 33 0 33 0 33 0 33 0 33	11 46 11 46 11 45 11 45 11 44 11 44 11 43	16 44 16 43 16 43 16 43 16 42	22 43 22 43 22 43 22 43 22 43	22 34 22 34 22 33 22 33 22 33	13 10 13 7 13 5 13 2 13 0	10 1 10 1 10 2 10 2 10 2	0 14 0 14 0 13 0 13 0 13 0 13 0 13
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	18 51 18 36 18 21 18 5 17 49 17 32	16 56 4 50 11 36 5 6 5 39 5 0 0n29 4 35 6 26 3 53	23 2 22 55 22 47 22 38 22 28 22 16	0 48 21 51 0 54 21 40 1 0 21 28 1 6 21 16 1 12 21 3 1 18 20 49 1 23 20 34 1 s28 20 s19	0 33 12 14 0 36 11 57 0 38 11 39 0 40 11 22 0 42 11 4 0 44 10 47 0 46 10 29 0s48 10s11	1 1 1 0 1 0 0 59 0 59 0 59	14 31 14 33 14 34 14 36 14 37 14 39 14 40 14s41	1 12 1 12 1 13 1 13 1 13 1 13	22 29 22 28 22 28 22 27 22 27 22 27 22 27 22 s27	0 49 0 49 0 49 0 49 0 49 0 49	22 20 22 20 22 19 22 19 22 18 22 18 22 17 22 s17	0 25 0 25 0 25 0 25 0 25 0 25 0 25	20 36 20 37 20 37 20 37 20 38 20 38	0 33 0 33 0 33 0 33 0 33 0 33	11 42 11 42 11 41 11 41 11 40 11 39 11 39 11 s38	16 41 16 41 16 41 16 40 16 40 16 40	22 42 22 41 22 40 22 39 22 39 22 39	22 32 22 31 22 31 22 31 22 30 22 30	12 52 12 50 12 47 12 45 12 43 12 40	10 3 10 3 10 4 10 4 10 5 10 5	0 13 0 13 0 13 0 13

 $\label{eq:Julian Day Number = 2479669.5, Delta\ T=83.56\ sec} \\ Ecliptic\ obliquity = 23°25'47, Nutation = -0°00'16, out-of-bounds\ declination\ in\ red$ 

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)ф(	卉	Р	ß	Ω	ţ	ę,	Day
M 1	8 47 24	12≈45'24	23815	29 <b>궁</b> 17	3≈59	6 <b>)</b> (51	13 <b>M</b> 29	6 <b>ප</b> 47	20 <b>ට</b> 36	24°R43	9 <b>Υ</b> 17	15 <b>II</b> 30	14 <b>I</b> 6	9 <b>m</b> )57	25 <b>Υ</b> 38	M 1
T 2	8 51 21	13°46'17	6 <b>I</b> I18	0≈51	5°14	7°38	13°33	6°53	20°39	249541	9°18	15°30	14° 3	10° 4	25°40	T 2
W 3	8 55 17	14°47'09	19° 4	2°26	6°29	8°25	13°38	6°59	20°43	24°40	9°19	15°R31	14° 0	10°10	25°41	W 3
T 4	8 59 14	15°48'00	1936	4° 2	7°44	9°12	13°42	7° 5	20°46	24°38	9°19	15°29	13°57	10°17	25°43	T 4
F 5	9 3 10	16°48'50	13°57	5°38	9° 0	10° 0	13°46	7°11	20°49	24°37	9°20	15°25	13°53	10°24	25°45	F 5
S 6	9 7 7	17°49'38	26° 9	7°15	10°15	10°47	13°50	7°17	20°53	24°35	9°21	15°19	13°50	10°31	25°47	S 6
S 7	911 4	18°50'26	8 <b>Ω</b> 14	8°53	11°30	11°34	13°54	7°23	20°56	24°33	9°22	15° 9	13°47	10°37	25°48	S 7
M 8	9 15 0	19°51'11	20°14	10°32	12°45	12°21	13°58	7°29	20°59	24°32	9°23	14°58	13°44	10°44	25°50	M 8
T 9	9 18 57	20°51'56	2 Mp 10	12°11	14° 1	13° 8	14° 1	7°35	21° 2	24°30	9°24	14°45	13°41	10°51	25°52	T 9
W10	9 22 53	21°52'39	14° 4	13°51	15°16	13°55	14° 5	7°40	21° 6	24°29	9°25	14°32	13°38	10°57	25°54	W10
T 11	9 26 50	22°53'21	25°56	15°32	16°31	14°42	14° 8	7°46	21° 9	24°28	9°27	14°19	13°34	11° 4	25°56	T 11
F 12	9 30 46	23°54'02	7 <b>≏</b> 48	17°14	17°46	15°30	14°11	7°52	21°12	24°26	9°28	14° 8	13°31	11°11	25°58	F 12
S 13	9 34 43	24°54'42	19°44	18°57	19° 1	16°17	14°14	7°57	21°15	24°25	9°29	14° 0	13°28	11°18	26° 0	S 13
S 14	9 38 39	25°55'20	1 <b>M</b> 47	20°40	20°17	17° 4	14°16	8° 3	21°18	24°23	9°30	13°55	13°25	11°24	26° 2	S 14
M15	9 42 36	26°55'57	14° 0	22°25	21°32	17°51	14°19	8° 8	21°21	24°22	9°31	13°52	13°22	11°31	26° 4	M15
T 16	9 46 33	27°56'34	26°29	24°10	22°47	18°38	14°21	8°14	21°24	24°20	9°32	13°D52	13°18	11°38	26° 7	T 16
W17	9 50 29	28°57'09	9 <b>√</b> 19	25°56	24° 2	19°25	14°23	8°19	21°27	24°19	9°33	13°R52	13°15	11°44	26° 9	W17
T 18	9 54 26	29°57'43	22°33	27°43	25°17	20°12	14°25	8°24	21°30	24°18	9°34	13°52	13°12	11°51	26°11	T 18
F 19	9 58 22	0 <b>¥</b> 58'16	6 <b>ਰ</b> 16	29°31	26°32	20°58	14°27	8°30	21°33	24°17	9°36	13°50	13° 9	11°58	26°13	F 19
S 20	10 2 19	1°58'47	20°29	1 <b>米</b> 19	27°48	21°45	14°28	8°35	21°36	24°15	9°37	13°46	13° 6	12° 5	26°16	S 20
S 21	10 6 15	2°59'17	5≈ 9	3° 9	29° 3	22°32	14°30	8°40	21°39	24°14	9°38	13°39	13° 3	12°11	26°18	S 21
M22	10 10 12	3°59'46	20°13	4°59	0 <b>∺</b> 18	23°19	14°31	8°45	21°42	24°13	9°39	13°29	12°59	12°18	26°21	M22
T 23	10 14 8	5° 0'13	5 <b>)</b> (31	6°50	1°33	24° 6	14°32	8°50	21°45	24°12	9°40	13°18	12°56	12°25	26°23	T 23
W24	10 18 5	6° 0'38	20°52	8°42	2°48	24°53	14°32	8°55	21°48	24°10	9°42	13° 7	12°53	12°32	26°26	W24
T 25	10 22 2	7° 1'02	6 <b>Υ</b> 4	10°35	4° 3	25°39	14°33	9° 0	21°51	24° 9	9°43	12°56	12°50	12°38	26°28	T 25
F 26	10 25 58	8° 1'24	20°57	12°28	5°18	26°26	14°33	9° 4	21°53	24° 8	9°44	12°48	12°47	12°45	26°31	F 26
S 27	10 29 55	9° 1'44	5 <b>8</b> 24	14°22	6°33	27°13	14°34	9° 9	21°56	24° 7	9°45	12°42	12°43	12°52	26°34	S 27
S 28	10 33 51	10 <b>¥</b> 2'02	19822	16 <b>∺</b> 16	7 <b>)</b> €48	28 <b>ℋ</b> 0	14°R34	9 <b>ට</b> 14	21 <b>궁</b> 59	2495 6	9 <b>Ƴ</b> 47	12 <b>П</b> 39	12 <b>II</b> 40	12 <b>m</b> 58	26 <b>Y</b> 36	S 28

Day	0	D	ğ	Ф	♂	4	ħ	)∤(	¥	Р	n	v t	ķ
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M 1				33 20s 4 0s50	9s53 0s58					11 s38 16 s39			10n 6 0n12
T 2				38 19 48 0 52	9 35 0 57				20 39 0 33	,,			
W 3	16 24			42 19 31 0 54	9 17 0 57	-			20 39 0 33				
T 4	16 6	24 50 1 25		46 19 13 0 56	8 59 0 56	14 46 1 14	22 25 0 49	22 15 0 26	20 39 0 33				
F 5	15 47	25 7 2 26	20 37 1 4	49 18 56 0 58	8 41 0 56	14 47 1 14	22 25 0 49	22 14 0 26	20 40 0 32	11 35 16 38	22 38 2	2 28 12 25	5 10 8 0 12
S 6	15 29	24 10 3 19	20 16 1 5	53 18 37 0 59	8 22 0 55	14 48 1 14	22 25 0 49	22 14 0 26	20 40 0 32	11 34 16 38	22 37 2	2 27 12 22	2 10 9 0 12
S 7	15 10	22 6 4 2	19 53 1 5	55 18 18 1 1	8 4 0 55	14 49 1 15	22 25 0 49	22 13 0 26	20 40 0 32	11 34 16 37	22 36 2	2 27 12 20	10 9 0 12
M 8	14 51	19 4 4 34	19 29 1 3	58 17 59 1 3	7 45 0 54	14 50 1 15	22 24 0 49	22 13 0 26	20 40 0 32	11 33 16 37	22 35 2	2 26 12 17	10 10 0 12
T 9	14 32	15 16 4 54	19 4 2	0 17 39 1 4	7 27 0 54	14 51 1 15	22 24 0 49	22 12 0 26	20 41 0 32	11 33 16 37	22 33 2	2 26 12 15	10 10 0 12
W10	14 13	10 54 5 1	18 37 2	2 17 18 1 6	7 8 0 53	14 52 1 15	22 24 0 49	22 12 0 26	20 41 0 32	11 32 16 37	22 32 2	2 26 12 12	10 11 0 12
T 11	13 53	6 8 4 55	18 8 2	4 16 57 1 7	6 50 0 52	14 52 1 15	22 23 0 49	22 11 0 26	20 41 0 32	11 31 16 36	22 31 2	2 25 12 10	10 12 0 12
F 12	13 33	1 9 4 37	17 39 2	5 16 36 1 9	6 31 0 52	14 53 1 16	22 23 0 49	22 11 0 26	20 42 0 32	11 31 16 36	22 29 2	2 25 12 7	10 12 0 11
S 13	13 13	3 s 5 5 4 6	17 8 2	6 16 14 1 10	6 12 0 51	14 54 1 16	22 23 0 49	22 11 0 26	20 42 0 32	11 30 16 36	22 28 2	2 24 12 5	5 10 13 0 11
S 14	12 52	8 54 3 23	16 35 2	6 15 51 1 12	5 53 0 51	14 54 1 16	22 22 0 49	22 10 0 26	20 42 0 32	11 29 16 36	22 28 2	2 24 12 2	10 14 0 11
M15	12 32	13 38 2 31	16 1 2	6 15 28 1 13	5 35 0 50	14 55 1 16	22 22 0 49	22 10 0 26	20 42 0 32	11 29 16 35	22 27 2	2 24 12 (	10 14 0 11
T 16	12 11	17 54 1 31	15 26 2	5 15 5 1 14	5 16 0 50	14 55 1 16	22 22 0 49	22 9 0 26	20 43 0 32	11 28 16 35	22 27 2	2 23 11 57	10 15 0 11
W17	11 50	21 27 0 24	14 49 2	4 14 41 1 15	4 57 0 49	14 56 1 16	22 21 0 49	22 9 0 26	20 43 0 32	11 27 16 35	22 27 2	2 23 11 54	10 16 0 11
	11 29	23 59 0s46	14 11 2	3 14 17 1 16	4 38 0 49	14 56 1 17	22 21 0 49	22 8 0 26	20 43 0 32	11 27 16 35	22 27 2	2 22 11 52	2 10 17 0 11
	11 8	25 12 1 56	13 32 2	1 13 53 1 17	4 19 0 48	14 57 1 17	22 21 0 49	22 8 0 26	20 43 0 32	11 26 16 35	22 27 2	2 22 11 49	10 17 0 11
S 20	10 46	24 51 3 1	12 51 1 5	58 13 28 1 18	4 0 0 48	14 57 1 17	22 20 0 49	22 7 0 26	20 44 0 32	11 25 16 34	22 27 2	2 22 11 47	10 18 0 11
S 21	10 24	22 47 3 56	12 9 1 5	56 13 3 1 19	3 41 0 47	14 57 1 17	22 20 0 49	22 7 0 26	20 44 0 32	11 25 16 34	22 26 2	2 21 11 44	10 19 0 11
M22	10 2	19 6 4 36	11 25 1 5	52 12 37 1 20	3 22 0 46	14 57 1 17	22 20 0 49	22 6 0 26	20 44 0 32	11 24 16 34	22 25 2	2 21 11 42	2 10 20 0 11
T 23	9 40	14 5 4 57	10 40 1 4	48 12 11 1 21	3 3 0 46	14 57 1 18	22 19 0 49	22 6 0 26	20 44 0 32	11 23 16 34	22 23 2	2 20 11 39	10 21 0 11
W24	9 18	8 10 4 57	9 54 1 4	44 11 45 1 22	2 44 0 45	14 57 1 18	22 19 0 49	22 6 0 26	20 45 0 32	11 23 16 33	22 22 2	2 20 11 36	0 10 21 0 11
T 25	8 56	1 49 4 36	9 7 1 3	38 11 18 1 23	2 24 0 45	14 57 1 18	22 19 0 49	22 5 0 26	20 45 0 32	11 22 16 33	22 20 2	2 20 11 34	10 22 0 10
F 26	8 33	4n31 3 57	8 18 1 3	33 10 51 1 23	2 5 0 44	14 57 1 18	22 18 0 49	22 5 0 26	20 45 0 32	11 21 16 33	22 19 2	2 19 11 31	10 23 0 10
S 27	8 11	10 26 3 3	7 29 1 2	26 10 24 1 24	1 46 0 43	14 57 1 18	22 18 0 49	22 4 0 26	20 45 0 32	11 21 16 33	22 19 2	2 19 11 29	10 24 0 10
S 28	7 s48	15n39 2s 0	6 s 3 8 1 s 2	s20 9s57 1s24	1 s27 0 s43	14s57 1n19	22 s18 0n49	22 s 4 0 s 26	20n45 0 s32	11 s20 16 s33	22n18 2	2n18 11n26	10n25 0n10

Julian Day Number = 2479700.5, Delta T = 83.59 sec Ecliptic obliquity =  $23^{\circ}25'48$ , Nutation = -  $0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'02$ , Lahiri =  $24^{\circ}56'03$ 

MARCH 2077 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ	)Å(	并	Р	n	v	Ç	, k	Day
M 1	10 37 48	11 <b>)</b> 2'18	2Ⅲ51	18 <b>)</b> 11	9 <b>)</b> 3	28 <b>)</b> (46	14°R33	9 <b>ට</b> 18	22 <b>ට</b> 1	24°R 5	9 <b>Υ</b> 48	12°R38	12 <b>Ⅲ</b> 37	13 <b>m</b> ) 5	26 <b>Y</b> 39	M 1
T 2	10 41 44	12° 2'32	15°55	20° 5	10°18	29°33	14 <b>M</b> .33	9°23	22° 4	2495 4	9°49	12Ⅲ38	12°34	13°12	26°42	T 2
W 3	10 45 41	13° 2'44	28°37	22° 0	11°33	0 <b>Υ</b> 19	14°33	9°27	22° 6	24° 3	9°51	12°38	12°31	13°19	26°45	W 3
T 4	10 49 37	14° 2'53	1195 2	23°54	12°48	1° 6	14°32	9°31	22° 9	24° 2	9°52	12°36	12°28	13°25	26°47	T 4
F 5	10 53 34	15° 3'01	23°14	25°47	14° 3	1°52	14°31	9°35	22°12	24° 1	9°53	12°31	12°24	13°32	26°50	F 5
S 6	10 57 31	16° 3'07	5 <b>Ω</b> 17	27°40	15°18	2°39	14°30	9°40	22°14	24° 0	9°55	12°24	12°21	13°39	26°53	S 6
S 7	11 127	17° 3'11	17°14	29°31	16°33	3°25	14°28	9°44	22°16	23°59	9°56	12°13	12°18	13°46	26°56	S 7
M 8	11 5 24	18° 3'12	29° 8	1 <b>Υ</b> 21	17°48	4°12	14°27	9°48	22°19	23°58	9°57	12° 0	12°15	13°52	26°59	M 8
T 9	11 9 20	19° 3'12	11 <b>m</b> y 1	3° 8	19° 3	4°58	14°25	9°52	22°21	23°57	9°59	11°46	12°12	13°59	27° 2	T 9
W10	11 13 17	20° 3'10	22°54	4°53	20°18	5°44	14°23	9°55	22°23	23°57	10° 0	11°31	12° 9	14° 6	27° 5	W10
T 11	11 17 13	21° 3'06	4 <b>Ω</b> 48	6°35	21°33	6°31	14°21	9°59	22°26	23°56	10° 2	11°18	12° 5	14°12	27° 8	T 11
F 12	11 21 10	22° 3'00	16°45	8°14	22°47	7°17	14°19	10° 3	22°28	23°55	10° 3	11° 6	12° 2	14°19	27°11	F 12
S 13	11 25 6	23° 2'52	28°46	9°48	24° 2	8° 3	14°17	10° 6	22°30	23°54	10° 4	10°56	11°59	14°26	27°14	S 13
S 14	11 29 3	24° 2'42	10 <b>M</b> 54	11°18	25°17	8°49	14°14	10°10	22°32	23°54	10° 6	10°50	11°56	14°33	27°18	S 14
M15	11 32 59	25° 2'31	23°11	12°43	26°32	9°35	14°11	10°13	22°34	23°53	10° 7	10°46	11°53	14°39	27°21	M15
T 16	11 36 56	26° 2'18	5 <b>₹</b> 42	14° 2	27°47	10°21	14° 8	10°17	22°36	23°52	10° 9	10°D45	11°49	14°46	27°24	T 16
W17	11 40 53	27° 2'04	1 <u>8</u> °30	15°15	29° 1	11° 7	14° 5	10°20	22°38	23°52	10°10	10°45	11°46	14°53	27°27	W17
T 18	11 44 49	28° 1'47	1 <b>궁</b> 38	16°22	0 <b>Υ</b> 16	11°53	14° 2	10°23	22°40	23°51	10°12	10°R45	11°43	14°59	27°30	T 18
F 19	11 48 46	29° 1'29	15°12	17°22	1°31	12°39	13°58	10°26	22°42	23°51	10°13	10°44	11°40	15° 6	27°34	F 19
S 20	11 52 42	0 <b>Υ</b> 1'10	29°13	18°14	2°46	13°25	13°55	10°29	22°44	23°50	10°14	10°41	11°37	15°13	27°37	S 20
S 21	11 56 39	1° 0'49	13 <b>≈</b> 41	19° 0	4° 0	14°11	13°51	10°32	22°46	23°50	10°16	10°36	11°34	15°20	27°40	S 21
M22	12 0 35	2° 0'25	28°33	19°37	5°15	14°57	13°47	10°35	22°48	23°49	10°17	10°28	11°30	15°26	27°44	M22
T 23	12 4 32	3° 0'00	13 <b>) (</b> 42	20° 7	6°30	15°43	13°43	10°37	22°50	23°49	10°19	10°18	11°27	15°33	27°47	T 23
W24	12 8 28	3°59'33	28°59	20°29	7°44	16°29	13°39	10°40	22°51	23°49	10°20	10° 8	11°24	15°40	27°50	W24
T 25	12 12 25	4°59'04	14 <b>Υ</b> 12	20°42	8°59	17°14	13°34	10°43	22°53	23°48	10°22	9°59	11°21	15°47	27°54	T 25
F 26	12 16 22	5°58'33	29°11	20°R48	10°14	18° 0	13°29	10°45	22°55	23°48	10°23	9°51	11°18	15°53	27°57	F 26
S 27	12 20 18	6°58'00	13 <b>8</b> 47	20°47	11°28	18°46	13°25	10°47	22°56	23°48	10°25	9°46	11°15	16° 0	28° 1	S 27
S 28	12 24 15	7°57'25	27°55	20°37	12°43	19°31	13°20	10°50	22°58	23°47	10°26	9°43	11°11	16° 7	28° 4	S 28
M29	12 28 11	8°56'47	11 <b>Ⅱ</b> 34	20°21	13°57	20°17	13°15	10°52	22°59	23°47	10°28	9°D43	11° 8	16°13	28° 7	M29
T 30	12 32 8	9°56'07	24°45	19°58	15°12	21° 2	13° 9	10°54	23° 1	23°47	10°29	9°43	11° 5	16°20	28°11	T 30
W31	12 36 4	10 <b>Y</b> 55'25	7932	19 <b>Y</b> 29	16 <b>Y</b> 26	21 <b>Y</b> 48	13 <b>M</b> 4	10 <b>궁</b> 56	23 <b>る</b> 2	239547	10 <b>Y</b> 31	9°R44	11 <b>II</b> 2	16 <b>M</b> )27	28 <b>Y</b> 14	W31

Day	0	D		ğ		φ		ď	1	2	+	ħ	<u> </u>	)	ł(	<del> </del>	(	E	2	រា	U	ţ	Ł	5
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7 s25	19n53	0s51	5 s47	1 s12	9 s29	1 s25	1 s 8	0 s42	14 s 5 7	1n19	22 s18	0n49	22 s 4	0 s 2 6	20n46	0 s32			_	-	11n23		0n10
T 2	7 3	22 58	0n17	4 54	1 4	9 1	1 25	0 49	0 42	14 56	1 19	22 17	0 49	22 3	0 26	20 46	0 32	11 19	16 32	22 18	22 18	11 21	10 27	0 10
W 3	6 40	24 49	1 23	4 1	0 55	8 33	1 25	0 30	0 41	14 56	1 19	22 17	0 49	22 3	0 26	20 46	0 32	11 18	16 32	22 18	22 17	11 18	10 28	0 10
T 4	6 16	25 22	2 24	3 8	0 46	8 4	1 26	0 11	0 40	14 56	1 19	22 17	0 49	22 2	0 26	20 46	0 32	11 18	16 32	22 18	22 17	11 16	10 29	0 10
F 5	5 53	24 40	3 17	2 13	0 36	7 36	1 26	0n 8	0 40	14 55	1 19	22 16	0 49	22 2	0 26	20 46	0 32	11 17	16 32	22 17	22 16	11 13	10 30	0 10
S 6	5 30	22 49	4 0	1 19	0 25	7 7	1 26	0 27	0 39	14 55	1 20	22 16	0 49	22 2	0 26	20 47	0 32	11 16	16 32	22 16	22 16	11 10	10 31	0 10
S 7	5 7	19 58	4 32	0 25	0 14	6 38	1 26	0 46	0 39	14 54	1 20	22 16	0 49	22 1	0 26	20 47	0 32	11 16	16 32	22 15	22 16	11 8	10 32	0 10
M 8	4 43	16 19	4 52	0n29	0 3	6 9	1 26	1 5	0 38	14 54	1 20	22 15	0 49	22 1	0 26	20 47	0 32	11 15	16 32	22 13	22 15	11 5	10 33	0 10
T 9	4 20	12 2	4 59	1 23	0n 9	5 39	1 26	1 24	0 37	14 53	1 20	22 15	0 49	22 1	0 26	20 47	0 32	11 14	16 31	22 11	22 15	11 3	10 34	0 10
W10	3 56	7 19	4 54	2 16	0 21	5 10	1 26	1 43	0 37	14 52	1 20	22 15	0 49	22 0	0 26	20 47	0 32	11 14	16 31	22 9	22 14	11 0	10 35	0 9
T 11	3 33	2 18	4 35	3 8	0 34	4 40	1 26	2 2	0 36	14 51	1 21	22 15	0 49	22 0	0 26	20 47	0 32	11 13	16 31	22 7	22 14	10 57	10 36	0 9
F 12	3 9	2 s49	4 4	3 59	0 47	4 10	1 26	2 21	0 36	14 51	1 21	22 14	0 49	22 0	0 26	20 48	0 32	11 12	16 31	22 6	22 14	10 55	10 37	0 9
S 13	2 46	7 53	3 22	4 48	1 0	3 40	1 25	2 39	0 35	14 50	1 21	22 14	0 49	21 59	0 26	20 48	0 32	11 12	16 31	22 5	22 13	10 52	10 38	0 9
S 14	2 22	12 42	2 31	5 36	1 13	3 10	1 25	2 58	0 34	14 49	1 21	22 14	0 49	21 59	0 26	20 48	0 32	11 11	16 31	22 4	22 13	10 49	10 39	0 9
M15	1 58	17 5	1 32	6 21	1 27	2 40	1 24	3 17	0 34	14 48	1 21	22 14	0 49	21 59	0 26	20 48	0 32	11 10	16 31	22 3	22 12	10 47	10 40	0 9
T 16	1 34	20 48	0 27	7 4	1 40	2 10	1 24	3 36	0 33	14 47	1 21	22 13	0 49	21 58	0 26	20 48	0 32	11 10	16 31	22 3	22 12	10 44	10 41	0 9
W17	1 11	23 37	0s41	7 44	1 52	1 40	1 23	3 54	0 32	14 46	1 21	22 13	0 49	21 58	0 26	20 48	0 32	11 9	16 31	22 3	22 11	10 41	10 42	0 9
T 18	0 47	25 14	1 48	8 21	2 5	1 9	1 23	4 13	0 32	14 45	1 22	22 13	0 49	21 58	0 26	20 48	0 32	11 9	16 31	22 3	22 11	10 39	10 43	0 9
F 19	0 23	25 25	2 52	8 55	2 17	0 39	1 22	4 31	0 31	14 44	1 22	22 13	0 49	21 57	0 27	20 49	0 32	11 8	16 30	22 3	22 11	10 36	10 44	0 9
S 20	0n 0	24 1	3 47	9 26	2 28	0 9	1 21	4 50	0 31	14 42	1 22	22 12	0 49	21 57	0 27	20 49	0 31	11 7	16 30	22 2	22 10	10 33	10 45	0 9
S 21	0 24	21 1	4 30	9 53	2 39	0n22	1 20	5 8	0 30	14 41	1 22	22 12	0 49	21 57	0 27	20 49	0 31	11 7	16 30	22 2	22 10	10 31	10 47	0 9
M22	0 48	16 36	4 56	10 16	2 49	0 52	1 20	5 26	0 29	14 40	1 22	22 12	0 49	21 56	0 27	20 49	0 31	11 6	16 30	22 0	22 9	10 28	10 48	0 9
T 23	1 12	11 3	5 2	10 36	2 57	1 22	1 19	5 45	0 29	14 38	1 22	22 12	0 49	21 56	0 27	20 49	0 31	11 6	16 30	21 59	22 9	10 25	10 49	0 8
W24	1 35	4 47	4 46	10 51	3 5	1 53	1 18	6 3	0 28	14 37	1 23		0 49	21 56	0 27	20 49	0 31	11 5	16 30	21 58	22 8	10 23	10 50	0 8
T 25	1 59	1n45	4 11	11 3	3 12	2 23	1 17	6 21	0 27	14 35	1 23	22 11	0 49	21 56	0 27	20 49	0 31	11 4		21 56		10 20	10 51	0 8
F 26	2 22	8 5	3 18	11 10	3 17	2 53	1 16	6 39	0 27	14 34		22 11	0 49	21 55	0 27	20 49	0 31	11 4	16 30	21 55	22 8	10 17	10 52	0 8
S 27	2 46	13 51	2 14	11 12	3 21	3 24	1 14	6 57	0 26	14 32	1 23	22 11	0 49	21 55	0 27	20 49	0 31	11 3	16 30	21 54	22 7	10 15	10 53	0 8
S 28	3 9	18 40	1 2	11 11	3 23	3 54	1 13	7 15	0 25	14 31	1 23	22 11	0 49	21 55	0 27	20 49	0 31	11 3	16 30	21 54	22 7	10 12	10 55	0 8
M29	3 33	22 20	0n10	11 5	3 23	4 24	1 12	7 32	0 25	14 29	1 23	22 10	0 49	21 55	0 27	20 49	0 31	11 2	16 30	21 54	22 6	10 9	10 56	0 8
T 30	3 56	24 39	1 19	10 56	3 22	4 54	1 11	7 50		14 28		22 10		21 55		20 50	0 31	11 2	16 30	21 54	22 6	10 6	10 57	0 8
W31	4n19	25n36	2n23	10n42	3n20	5n24	1s 9	8n 8		14s26		22 s10		21 s54		20n50	0 s31	11s 1			22n 5	10n 4	10n58	0n 8

Julian Day Number = 2479728.5, Delta T = 83.62 sec Ecliptic obliquity =  $23^{\circ}25'49$ , Nutation = -  $0^{\circ}00'16$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'06$ , Lahiri =  $24^{\circ}56'07$ 

APRIL 2077 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	24	ħ	)∤(	卉	В	r	Ω	Ç	ķ	Day
T 1	12 40 1	11 <b>°</b> 54'41	19958	18°R55	17 <b>Y</b> 41	22 <b>Y</b> 33	12°R58	10 <b>ට</b> 58	23 <b>る</b> 3	23°R47	10 <b>Y</b> 32	9°R44	10耳59	16 <b>m</b> /34	28 <b>Υ</b> 18	T 1
F 2	12 43 57	12°53'54	2 <b>Ω</b> 10	18 <b>Y</b> 16	18°55	23°19	12ML53	10°59	23° 5	239547	10°33	9 <b>Ⅱ</b> 41	10°55	16°40	28°22	F 2
S 3	12 47 54	13°53'05	14°10	17°33	20°10	24° 4	12°47	11° 1	23° 6	23°D47	10°35	9°37	10°52	16°47	28°25	S 3
S 4	12 51 51	14°52'13	26° 5	16°48	21°24	24°49	12°41	11° 3	23° 7	23°47	10°36	9°30	10°49	16°54	28°29	S 4
M 5	12 55 47	15°51'19	7 <b>m</b> 56	16° 0	22°39	25°34	12°35	11° 4	23° 8	23°47	10°38	9°22	10°46	17° 0	28°32	M 5
T 6	12 59 44	16°50'23	19°48	15°12	23°53	26°20	12°29	11° 5	23° 9	23°47	10°39	9°12	10°43	17° 7	28°36	T 6
W 7	13 3 40	17°49'25	1 <u>₽</u> 42	14°24	25° 7	27° 5	12°23	11° 7	23°10	23°47	10°41	9° 2	10°40	17°14	28°39	W 7
T 8	13 7 37	18°48'25	13°41	13°36	26°22	27°50	12°16	11° 8	23°11	23°47	10°42	8°52	10°36	17°21	28°43	T 8
F 9	13 11 33	19°47'23	25°46	12°51	27°36	28°35	12°10	11° 9	23°12	23°47	10°44	8°44	10°33	17°27	28°46	F 9
S 10	13 15 30	20°46'19	7 <b>M</b> 57	12° 8	28°50	29°20	12° 3	11°10	23°13	23°47	10°45	8°38	10°30	17°34	28°50	S 10
S 11	13 19 26	21°45'13	20°16	11°28	0 <b>8</b> 4	0 <b>ප</b> 5	11°56	11°11	23°14	23°48	10°47	8°34	10°27	17°41	28°54	S 11
M12	13 23 23	22°44'05	2 <b>√</b> 146	10°53	1°19	0°50	11°50	11°12	23°15	23°48	10°48	8°D32	10°24	17°48	28°57	M12
T 13	13 27 20	23°42'55	15°28	10°21	2°33	1°34	11°43	11°12	23°15	23°48	10°49	8°32	10°20	17°54	29° 1	T 13
W14	13 31 16	24°41'44	28°23	9°54	3°47	2°19	11°36	11°13	23°16	23°49	10°51	8°33	10°17	18° 1	29° 5	W14
T 15	13 35 13	25°40'30	11 <b>궁</b> 36	9°33	5° 1	3° 4	11°29	11°13	23°17	23°49	10°52	8°35	10°14	18° 8	29° 8	T 15
F 16	13 39 9	26°39'16	25° 8	9°16	6°15	3°49	11°22	11°14	23°17	23°49	10°54	8°R35	10°11	18°14	29°12	F 16
S 17	13 43 6	27°37'59	9≈ 2	9° 4	7°30	4°33	11°14	11°14	23°18	23°50	10°55	8°35	10° 8	18°21	29°15	S 17
S 18	13 47 2	28°36'41	23°16	8°58	8°44	5°18	11° 7	11°14	23°18	23°50	10°57	8°33	10° 5	18°28	29°19	S 18
M19	13 50 59	29°35'21	7 <b>) (</b> 49	8°D57	9°58	6° 2	11° 0	11°14	23°19	23°51	10°58	8°29	10° 1	18°35	29°23	M19
T 20	13 54 55	0 <b>8</b> 33'59	22°38	9° 1	11°12	6°47	10°52	11°R14	23°19	23°51	10°59	8°24	9°58	18°41	29°26	T 20
W21	13 58 52	1°32'36	7 <b>Ƴ</b> 34	9°10	12°26	7°31	10°45	11°14	23°19	23°52	11° 1	8°18	9°55	18°48	29°30	W21
T 22	14 2 49	2°31'11	22°31	9°24	13°40	8°16	10°37	11°14	23°20	23°52	11° 2	8°13	9°52	18°55	29°34	T 22
F 23	14 6 45	3°29'44	7 <b>8</b> 18	9°42	14°54	9° 0	10°30	11°14	23°20	23°53	11° 4	8° 9	9°49	19° 1	29°37	F 23
S 24	14 10 42	4°28'15	21°48	10° 6	16° 8	9°44	10°22	11°13	23°20	23°54	11° 5	8° 6	9°46	19° 8	29°41	S 24
S 25	14 14 38	5°26'44	5Д56	10°33	17°22	10°29	10°15	11°13	23°20	23°54	11° 6	8°D 5	9°42	19°15	29°45	S 25
M26	14 18 35	6°25'12	19°38	11° 5	18°36	11°13	10° 7	11°12	23°20	23°55	11° 8	8° 6	9°39	19°22	29°48	M26
T 27	14 22 31	7°23'37	2955	11°41	19°50	11°57	10° 0	11°12	23°R20	23°56	11° 9	8° 7	9°36	19°28	29°52	T 27
W28	14 26 28	8°22'00	15°47	12°20	21° 4	12°41	9°52	11°11	23°20	23°57	11°10	8° 9	9°33	19°35	29°55	W28
T 29	14 30 24	9°20'21	28°18	13° 4	22°18	13°25	9°44	11°10	23°20	23°58	11°12	8°10	9°30	19°42	29°59	T 29
F 30	14 34 21	10818'40	10 <b>Ω</b> 33	13 <b>Y</b> 51	23831	148 9	9 <b>M</b> 37	11 <b>る</b> 9	23 <b>る</b> 20	239558	11 <b>Y</b> 13	8°R10	9Ⅱ26	19 <b>m</b> /49	0 <b>8</b> 3	F 30

Day	0	D	ğ	Q	♂ <sup>1</sup>	4	ħ	)Å(	并	Р	w v	ţ	ę,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1 F 2	4n42 5 6	-	10n25 3n1	115 5n54 1s 8 9 6 23 1 6	8n25 0s23 8 43 0 22				20n50 0s31 20 50 0 31		21n54 22n 5 21 54 22 4	10n 1 9 58	10n59
S 3		20 58 4 36		1 6 53 1 5	9 0 0 21	14 20 1 24				10 59 16 30		9 56	
S 4 M 5	5 51 6 14	17 28 4 57 13 18 5 5	9 14 2 5 8 46 2 4		9 17 0 21 9 34 0 20	14 19 1 24 14 17 1 24			20 50 0 31 20 50 0 31	10 59 16 30 10 58 16 30	-	9 53 9 50	
T 6	6 37	8 38 5 0		29 8 20 1 0	9 51 0 20	-	22 9 0 49	21 53 0 27	20 50 0 31	10 58 16 30	21 49 22 3	,	11 5 0 7
W 7 T 8	6 59 7 22	3 38 4 42 1s32 4 11	7 45 2 1 7 13 2			14 13 1 24 14 11 1 24			20 50 0 31 20 50 0 31	10 57 16 30 10 57 16 30		9 45 9 42	
F 9 S 10	7 44 8 6		6 42 1 4	46 9 46 0 54	10 42 0 18	14 9 1 24	22 9 0 49	21 53 0 27		10 56 16 30 10 56 16 30	-	9 39	
S 11		16 15 1 37			11 14 0 16					10 55 16 30			11 11 0 7
M12 T 13		20 12 0 31 23 15 0s37	5 11 0 5		11 31 0 16 11 47 0 15				20 50 0 31 20 50 0 31	10 55 16 31 10 54 16 31	21 43 22 0 21 43 21 59		11 13 0 7 11 14 0 7
W14	9 34	-	1 1 1			13 58 1 24			20 50 0 31		21 43 21 59		11 15 0 7
T 15 F 16	9 55	24 47 3 45	3 33 0s		12 35 0 13	13 56 1 24 13 54 1 24	22 8 0 49	21 52 0 27	20 50 0 31 20 50 0 31	10 53 16 31	21 44 21 59 21 44 21 58	9 20	11 16 0 7 11 17 0 7
S 17 S 18		22 20 4 30 18 28 4 59				13 51 1 24 13 49 1 24				10 52 16 31	21 44 21 58		11 19 0 7 11 20 0 7
M19	11 19					13 47 1 24					21 43 21 57	9 12	
T 20 W21	11 40 12 0	7 31 5 1 1 9 4 31	2 34 1 2 25 1 1			13 45 1 24 13 42 1 24		21 52 0 27 21 52 0 28			21 42 21 56 21 41 21 56		11 22 0 6 11 24 0 6
T 22	12 21	5n19 3 43	2 20 1 3	31 15 30 0 27	14 7 0 9	13 40 1 24	22 8 0 49	21 52 0 28	20 49 0 31	10 50 16 32	21 40 21 55	9 4	11 25 0 6
F 23 S 24	12 41 13 0	11 25 2 40 16 48 1 28	2 16 1 2 2 16 1 5	42 15 54 0 25 53 16 18 0 23							21 39 21 55 21 39 21 54	-	11 26 0 6 11 27 0 6
S 25 M26	13 20 13 39		1		14 51 0 7 15 5 0 6						21 39 21 54 21 39 21 53		11 28 0 6 11 30 0 6
T 27	13 58	25 35 2 12	2 28 2 2	20 17 27 0 15	15 19 0 6	13 28 1 24	22 9 0 49	21 52 0 28	20 49 0 30	10 48 16 32	21 39 21 53	8 50	11 31 0 6
W28 T 29	14 17 14 36	25 40 3 12 24 25 4 1	2 36 2 2 2 47 2 3			13 26 1 24 13 24 1 24			20 49 0 30 20 49 0 30		21 39 21 52 21 40 21 52	8 47 8 44	11 32 0 6 11 33 0 6
F 30		22n 2 4n38	1			_					21n40 21n51		11n34 On 6

Julian Day Number = 2479759.5, Delta T = 83.65 sec Ecliptic obliquity = 23°25'49, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°49'10, Lahiri = 24°56'11

MAY 2077 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ	)Å(	¥	Б	3	v	Ç	ķ	Day
S 1	14 38 18	11 <b>8</b> 16'57	22 <b>N</b> 36	14 <b>Y</b> 41	24845	14853	9°R29	11°R 8	23°R20	23959	11 <b>Y</b> 14	8°R10	9П23	19 <b>m</b> 55	0 <b>8</b> 6	S 1
S 2	14 42 14	12°15'12	4 <b>m</b> 31	15°35	25°59	15°37	9 <b>M</b> 21	11궁 7	23る20	24° 0	11°16	8 <b>I</b> 8	9°20	20° 2	0°10	S 2
M 3	14 46 11	13°13'24	16°23	16°31	27°13	16°21	9°14	11° 6	23°19	24° 1	11°17	8° 5	9°17	20° 9	0°13	M 3
T 4	14 50 7	14°11'35	28°16	17°31	28°27	17° 4	9° 6	11° 4	23°19	24° 2	11°18	8° 2	9°14	20°15	0°17	T 4
W 5	14 54 4	15° 9'44	10 <b>≏</b> 13	18°34	29°40	17°48	8°58	11° 3	23°19	24° 3	11°19	7°58	9°11	20°22	0°21	W 5
T 6	14 58 0	16° 7'51	22°17	19°39	0 <b>Ⅱ</b> 54	18°32	8°51	11° 1	23°18	24° 4	11°21	7°54	9° 7	20°29	0°24	T 6
F 7	15 1 57	17° 5'56	4 <b>M</b> .31	20°47	2° 8	19°15	8°43	11° 0	23°18	24° 5	11°22	7°51	9° 4	20°36	0°28	F 7
S 8	15 5 53	18° 4'00	16°55	21°58	3°21	19°59	8°36	10°58	23°17	24° 6	11°23	7°49	9° 1	20°42	0°31	S 8
S 9	15 9 50	19° 2'02	29°31	23°11	4°35	20°42	8°28	10°56	23°17	24° 8	11°24	7°48	8°58	20°49	0°35	S 9
M10	15 13 46	20° 0'02	12 <b>×</b> 19	24°27	5°49	21°26	8°21	10°54	23°16	24° 9	11°25	7°D48	8°55	20°56	0°38	M10
T 11	15 17 43	20°58'01	25°20	25°45	7° 2	22° 9	8°14	10°52	23°15	24°10	11°27	7°48	8°52	21° 2	0°42	T 11
W12	15 21 40	21°55'59	8 <b>궁</b> 34	27° 6	8°16	22°53	8° 6	10°50	23°15	24°11	11°28	7°49	8°48	21° 9	0°45	W12
T 13	15 25 36	22°53'55	22° 3	28°28	9°29	23°36	7°59	10°48	23°14	24°12	11°29	7°51	8°45	21°16	0°48	T 13
F 14	15 29 33	23°51'50	5≈44	29°53	10°43	24°19	7°52	10°46	23°13	24°14	11°30	7°52	8°42	21°23	0°52	F 14
S 15	15 33 29	24°49'44	19°40	1821	11°56	25° 2	7°45	10°43	23°12	24°15	11°31	7°R52	8°39	21°29	0°55	S 15
S 16	15 37 26	25°47'36	3 <b>){</b> 48	2°50	13°10	25°46	7°38	10°41	23°11	24°16	11°32	7°52	8°36	21°36	0°59	S 16
M17	15 41 22	26°45'28	18° 7	4°22	14°23	26°29	7°31	10°39	23°10	24°18	11°33	7°51	8°32	21°43	1° 2	M17
T 18	15 45 19	27°43'18	2 <b>Υ</b> 34	5°56	15°37	27°12	7°24	10°36	23° 9	24°19	11°35	7°51	8°29	21°49	1° 5	T 18
W19	15 49 16	28°41'06	17° 5	7°32	16°50	27°55	7°17	10°33	23° 8	24°20	11°36	7°49	8°26	21°56	1° 9	W19
T 20	15 53 12	29°38'54	1 <b>8</b> 35	9°11	18° 3	28°38	7°11	10°31	23° 7	24°22	11°37	7°48	8°23	22° 3	1°12	T 20
F 21	15 57 9	0 <b>Ⅲ</b> 36'41	15°57	10°51	19°17	29°21	7° 4	10°28	23° 6	24°23	11°38	7°48	8°20	22°10	1°15	F 21
S 22	16 1 5	1°34'26	0П 8	12°34	20°30	0 <b>Ⅱ</b> 3	6°58	10°25	23° 5	24°25	11°39	7°47	8°17	22°16	1°19	S 22
S 23	16 5 2	2°32'10	14° 2	14°18	21°43	0°46	6°51	10°22	23° 4	24°26	11°40	7°D47	8°13	22°23	1°22	S 23
M24	16 8 58	3°29'53	27°36	16° 5	22°57	1°29	6°45	10°19	23° 2	24°28	11°41	7°48	8°10	22°30	1°25	M24
T 25	16 12 55	4°27'34	10950	17°55	24°10	2°12	6°39	10°16	23° 1	24°29	11°42	7°48	8° 7	22°37	1°28	T 25
W26	16 16 51	5°25'14	23°42	19°46	25°23	2°54	6°33	10°13	23° 0	24°31	11°43	7°48	8° 4	22°43	1°31	W26
T 27	16 20 48	6°22'52	6 <b>Ω</b> 16	21°39	26°36	3°37	6°27	10°10	22°58	24°32	11°44	7°48	8° 1	22°50	1°35	T 27
F 28	16 24 45	7°20'29	18°33	23°35	27°50	4°19	6°21	10° 6	22°57	24°34	11°45	7°49	7°58	22°57	1°38	F 28
S 29	16 28 41	8°18'05	0 <b>m</b> 38	25°32	29° 3	5° 2	6°16	10° 3	22°56	24°36	11°45	7°R49	7°54	23° 3	1°41	S 29
S 30	16 32 38	9°15'39	12°34	27°32	09୍ତୀ6	5°44	6°10	9°59	22°54	24°37	11°46	7°D49	7°51	23°10	1°44	S 30
M31	16 36 34	10 <b>Ⅲ</b> 13'11	24 Mp 28	29 <b>8</b> 33	19529	6 <b>Ⅱ</b> 27	6 <b>M</b> 5	9 <b>ප</b> 56	22 <b>る</b> 53	24939	11 <b>Y</b> 47	7 <b>Ⅱ</b> 49	7 <b>Ⅱ</b> 48	23 <b>m</b> 17	1 <b>8</b> 47	M31

Day	0	D		ğ		Q	)	C	3	2	4	ŧ	1	)į	ξ(	<del> </del>	(	E	<u>-</u>	n	Ω	Ç	لح	5
	decl	decl lat	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15n13	18n44 5	5n 2	3n14	2 s46	18n52	0s 6	16n15	0s 3	13 s 19	1n24	22 s 9	0n49	21 s52	0 s28	20n48	0 s30	10 s47	16s33	21n40	21n51	8n38	11n36	0n 6
S 2	15 30	14 42 5	5 13	3 30	2 51	19 12	0 3	16 28	0 3	13 17	1 24	22 9	0 49	21 52	0 28	20 48	0 30	10 47	16 33	21 39	21 51	8 36	11 37	0 6
M 3	15 48			3 48	2 55		0 1	16 41	0 2					21 52		20 48					21 50		11 38	0 6
T 4	16 6	-		4 8	2 58			16 54		13 12				21 53		20 48	0 30				21 50		11 39	0 6
W 5 T 6	16 23 16 40			4 29 4 52	3 0 3 2				0 1	13 10 13 7		22 9 22 10		21 53 21 53		20 48 20 48	0 30	10 46 10 45			21 49		11 40 11 42	0 5
F 7				5 17	3 3			17 20 17 33		13 7		22 10		21 53		20 48		10 45					11 42	0 5
S 8	17 12			5 43		21 1		17 45				22 10		21 53		20 47					21 48		11 44	
S 9	17 28	19 18 (	0 46	6 10	3 4	21 17	0 14	17 57	0 2	13 0	1 23	22 10	0.49	21 53	0.28	20 47	0.30	10 45	16 35	21 36	21 47	8 16	11 45	0 5
M10	17 44			6 38		21 33	-		-			-		21 53		20 47		10 43					11 46	0 5
T 11	17 59			7 8	3 2			18 21		12 56				21 53		20 47		10 44					11 47	0 5
W12	18 15	25 51 2	2 42	7 38	3 0	22 2	0 22	18 33	0 4	12 54	1 23	22 11	0 49	21 54	0 28	20 47	0 30	10 44	16 35	21 36	21 46	8 7	11 48	0 5
T 13	18 29			8 10		22 16		18 44		12 51		22 11		21 54		20 46		10 44					11 50	0 5
F 14	18 44			8 43		22 29		18 56		12 49		22 11		21 54		20 46					21 45		11 51	0 5
S 15		19 40 5	5 0	9 17	2 50	22 42	0 29	19 7	0 6	12 47	1 23	22 11	0 49	21 54	0 28	20 46	0 30	10 43	16 36	21 37	21 44	7 59	11 52	0 5
	19 12		-	9 51		22 54		19 18		12 45		22 11		21 54		20 46					21 44		11 53	
M17	19 25			0 27	2 41			19 28		-				21 54		20 46		10 43					11 54	
T 18 W19	19 39 19 52	3 22 4 2n56 4	4 47 1	1 39		23 16 23 26		19 39 19 49	0 8	12 41 12 39	1 22	22 12 22 12		21 55 21 55		20 45 20 45		10 43 10 42					11 55 11 56	
T 20	20 4			2 17		23 26		19 59		12 37		22 12		21 55		20 45		10 42					11 57	0 4
	20 16		1 58 1			23 44		20 9		12 35		22 12		21 55		20 45		10 42					11 58	0 4
S 22	20 28		0 42 1		2 9	23 52	0 46	20 19	0 10	12 33	1 22	22 13	0 49	21 55	0 28	20 44	0 30	10 42	16 38	21 36	21 41	7 39	12 0	0 4
S 23	20 40	23 3 (	0n35 1	4 12	2 1	23 59	0 49	20 29	0 11	12 31	1 21	22 13	0 49	21 56	0 28	20 44	0 30	10 42	16 38	21 36	21 40	7 36	12 1	0 4
M24	20 51	25 12 1	1 48 1	4 51	1 53	24 5	0 51	20 38	0 11	12 29	1 21	22 13	0 49	21 56	0 29	20 44	0 30	10 42	16 38	21 36	21 40	7 33	12 2	0 4
T 25	21 1	25 52 2	2 53 1	5 29	1 44	24 11	0 53	20 47	0 12	12 27	1 21	22 13	0 49	21 56	0 29	20 44	0 30	10 42	16 39	21 36	21 39	7 30	12 3	0 4
	21 12		-	6 8	1 35			20 56		12 26				21 56		20 43		-				7 28		0 4
	21 22	-		6 47		24 21		21 5		12 24		22 14		21 57		20 43		10 41				7 25		0 4
	21 32 21 41		4 59 1 5 14 1	7 26 18 4		24 25 24 28		21 14 21 22		12 22 12 21		22 14 22 15		21 57 21 57		20 43 20 43		10 41 10 41				7 22 7 19		$\begin{array}{ccc} 0 & 4 \\ 0 & 4 \end{array}$
	21 50 21n58	-	5 16 1 5n 4 1	-		24 30 24n32		21 30		12 19	1 20 1n20	22 15		21 57 21 s58		20 42 20n42		10 41			21 37 21n36	7 16	12 8 12n 9	0 4
IVIST	Z11138	onoi	311 4 1	לוחלו	0845	24032	1n 6	21n38	Un 16	1281/	1n20	22815	Un48	Z1 S38	0829	∠UN42	0830	10841	10840	Z11136	Z11136	/1113	12n 9	on 4

Julian Day Number = 2479789.5, Delta T = 83.68 sec Ecliptic obliquity =  $23^{\circ}25'49$ , Nutation = - $0^{\circ}00'17$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'14$ , Lahiri =  $24^{\circ}56'15$ 

JUNE 2077 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)∤(	并	Р	ß	ಬ	Ç	, k	Day
T 1	16 40 31	11 <b>II</b> 10'42	6 <b>₽</b> 22	1 <b>Ц</b> 37	29542	7 <b>П</b> 9	6°R 0	9°R52	22°R51	249541	11 <b>Y</b> 48	7 <b>Ⅱ</b> 49	7 <b>Ⅱ</b> 45	23 m/24	1850	T 1
W 2	16 44 27	12° 8'12	18°21	3°42	3°55	7°51	5 <b>M</b> 55	9 <b>궁</b> 49	22 <b>궁</b> 49	24°42	11°49	7°49	7°42	23°30	1°53	W 2
T 3	16 48 24	13° 5'41	0 <b>M</b> .30	5°49	5° 8	8°33	5°50	9°45	22°48	24°44	11°50	7°50	7°38	23°37	1°56	T 3
F 4	16 52 20	14° 3'09	12°51	7°57	6°21	9°16	5°45	9°41	22°46	24°46	11°51	7°50	7°35	23°44	1°59	F 4
S 5	16 56 17	15° 0'35	25°27	10° 6	7°34	9°58	5°41	9°38	22°44	24°48	11°51	7°51	7°32	23°50	2° 2	S 5
S 6	17 0 14	15°58'01	8 <b>₹</b> 19	12°17	8°47	10°40	5°36	9°34	22°43	24°50	11°52	7°R51	7°29	23°57	2° 4	S 6
M 7	17 4 10	16°55'25	21°28	14°28	10° 0	11°22	5°32	9°30	22°41	24°51	11°53	7°51	7°26	24° 4	2° 7	M 7
T 8	17 8 7	17°52'49	4 <b>궁</b> 53	16°40	11°13	12° 4	5°28	9°26	22°39	24°53	11°54	7°50	7°23	24°11	2°10	T 8
W 9	17 12 3	18°50'12	18°33	18°52	12°26	12°46	5°24	9°22	22°37	24°55	11°54	7°49	7°19	24°17	2°13	W 9
T 10	17 16 0	19°47'34	2≈26	21° 4	13°39	13°28	5°20	9°18	22°35	24°57	11°55	7°47	7°16	24°24	2°16	T 10
F 11	17 19 56	20°44'56	16°28	23°16	14°51	14° 9	5°16	9°14	22°33	24°59	11°56	7°46	7°13	24°31	2°18	F 11
S 12	17 23 53	21°42'17	0 <b>∺</b> 37	25°27	16° 4	14°51	5°13	9°10	22°32	25° 1	11°56	7°45	7°10	24°37	2°21	S 12
S 13	17 27 49	22°39'37	14°50	27°37	17°17	15°33	5°10	9° 6	22°30	25° 3	11°57	7°44	7° 7	24°44	2°23	S 13
M14	17 31 46	23°36'57	29° 4	29°47	18°30	16°15	5° 6	9° 2	22°28	25° 5	11°57	7°D44	7° 4	24°51	2°26	M14
T 15	17 35 43	24°34'17	13 <b>Y</b> 17	1955	19°42	16°56	5° 4	8°58	22°26	25° 7	11°58	7°45	7° 0	24°58	2°29	T 15
W16	17 39 39	25°31'36	27°26	4° 2	20°55	17°38	5° 1	8°53	22°23	25° 9	11°59	7°46	6°57	25° 4	2°31	W16
T 17	17 43 36	26°28'55	11829	6° 7	22° 8	18°19	4°58	8°49	22°21	25°11	11°59	7°47	6°54	25°11	2°34	T 17
F 18	17 47 32	27°26'14	25°24	8°11	23°20	19° 1	4°56	8°45	22°19	25°13	12° 0	7°48	6°51	25°18	2°36	F 18
S 19	17 51 29	28°23'32	9 <b>I</b> 9	10°12	24°33	19°42	4°53	8°41	22°17	25°15	12° 0	7°R48	6°48	25°24	2°38	S 19
S 20	17 55 25	29°20'50	22°40	12°12	25°45	20°24	4°51	8°36	22°15	25°17	12° 1	7°48	6°44	25°31	2°41	S 20
M21	17 59 22	09518'08	5958	14° 9	26°58	21° 5	4°49	8°32	22°13	25°19	12° 1	7°46	6°41	25°38	2°43	M21
T 22	18 3 18	1°15'25	18°59	16° 5	28°10	21°46	4°48	8°28	22°11	25°21	12° 2	7°43	6°38	25°45	2°45	T 22
W23	18 7 15	2°12'41	1 <b>Ω</b> 44	17°58	29°23	22°28	4°46	8°23	22° 8	25°23	12° 2	7°40	6°35	25°51	2°47	W23
T 24	18 11 12	3° 9'57	14°14	19°49	$0$ $\Omega$ 35	23° 9	4°45	8°19	22° 6	25°25	12° 2	7°36	6°32	25°58	2°50	T 24
F 25	18 15 8	4° 7'13	26°29	21°38	1°48	23°50	4°44	8°14	22° 4	25°27	12° 3	7°32	6°29	26° 5	2°52	F 25
S 26	18 19 5	5° 4'27	8 <b>m</b> 34	23°25	3° 0	24°31	4°43	8°10	22° 2	25°29	12° 3	7°28	6°25	26°12	2°54	S 26
S 27	18 23 1	6° 1'41	20°30	25° 9	4°12	25°12	4°42	8° 6	21°59	25°31	12° 3	7°26	6°22	26°18	2°56	S 27
M28	18 26 58	6°58'55	2 <b>₾</b> 23	26°51	5°25	25°53	4°41	8° 1	21°57	25°33	12° 4	7°D25	6°19	26°25	2°58	M28
T 29	18 30 54	7°56'08	14°17	28°31	6°37	26°34	4°41	7°57	21°55	25°35	12° 4	7°25	6°16	26°32	3° 0	T 29
W30	18 34 51	8953'21	26 <b>₽</b> 16	$0\Omega$ 9	$7\Omega$ 49	27 <b>Ⅱ</b> 15	4 <b>M</b> .40	7 <b>云</b> 52	21 <b>궁</b> 53	25938	12 <b>°</b> 4	7 <b>Ⅱ</b> 26	6 <b>Ⅱ</b> 13	26 <b>m</b> 38	3 <b>8</b> 2	W30

Day	0	D	3	Į į	φ	♂	:	4	ŧ	ì	);	ł(	并		Р	)	'n	v	Ç	ď	
	decl	decl lat	decl	lat dec	l lat de	cl lat	decl	lat	decl	lat	decl	lat	decl la	at	decl	lat	decl	decl	decl	decl	lat
T 1 W 2	22n 7 22 14	3 s28 4	9 19n55 1 20 30	0 24 24 3	3 1 10 21	53 0 17	12s16 12 14	1 19	22 16	0 48	21 s58 21 58	0 29	20 41	0 30	10s41 10 41	16 41	21 36	21 35	7 7	12n10 12 11	0n 4 0 4
T 3 F 4 S 5	22 22 22 29 22 35	13 33 2 1	2 21 3 4 21 35 8 22 6	0 2 24 3	1 14 22	8 0 18	3 12 13 3 12 12 9 12 10	1 19	22 16 22 16 22 17	0 48	21 59 21 59 21 59	0 29	20 41	0 29	10 41 10 41 10 41	16 42	21 36	21 34	7 2	12 12 12 13 12 13	0 3 0 3 0 3
S 6 M 7	22 41		3 22 34	0 19 24 2	6 1 18 22	21 0 19	12 9	1 18	22 17 22 17 22 17	0 48 0 48	22 0	0 29	20 40	0 29	10 41 10 41 10 41	16 42	21 37	21 33	6 56	12 14 12 15	0 3 0 3
T 8 W 9 T 10	23 2	25 33 3 2 23 48 4 1	4 23 25 6 23 46 8 24 5	0 49 24 1 0 58 24	3 1 23 22 8 1 24 22	40 0 21 46 0 22	12 6 12 5	1 18 1 17	22 18 22 18 22 18	0 48 0 48 0 48	22 0 22 1	0 29 0 29	20 39 20 39	0 29 0 29	10 41 10 41 10 41	16 43 16 44	21 36 21 36	21 31 21 31	6 47 6 44	12 16 12 17 12 18	0 3 0 3 0 3
F 11 S 12	23 10	16 8 5 1	4 24 22 3 24 36	1 14 23 5		57 0 23	12 4 12 3	1 17	22 19 22 19	0 48 0 48	22 2	0 29	20 38	0 29	10 41 10 41	16 44	21 36	21 30	6 38	12 19 12 20	0 3 0 3
S 13 M14 T 15 W16	23 17 23 19 23 21	4 52 4 5 1n17 4 1 7 22 3 2	3 24 46 4 24 55 7 25 0 5 25 2	1 29 23 3 1 35 23 3 1 40 23 2	9 1 30 23 0 1 32 23 0 1 33 23	17 0 25	1 12 1 5 12 0 5 12 0	1 16 1 16 1 16	22 19 22 20 22 20 22 20	0 48 0 48 0 48	22 2 22 3 22 3	0 29 0 29 0 29	20 38 20 37 20 37	0 29 0 29 0 29	10 41 10 42 10 42 10 42	16 45 16 45 16 46	21 35 21 36 21 36	21 29 21 28 21 28	6 33 6 30 6 27	12 21 12 21 12 22 12 23	0 3 0 3 0 3
S 19	23 23 23 24 23 25	18 0 1	0 25 2 8 25 0 7 24 54	1 49 22 5	9 1 35 23 7 1 36 23	25 0 27 29 0 27	11 59 11 58 11 58	1 15	22 21 22 21 22 21	0 48 0 48 0 47	22 4 22 4	0 29	20 36	0 29 0 29	10 42 10 42 10 42	16 46 16 47	21 36 21 36	21 27 21 26	6 21	12 24 12 24 12 25	0 2 0 2 0 2
S 20 M21 T 22	23 26 23 25	25 46 2 2 25 30 3 2	7 24 24	1 56 22 2 1 57 22	2 1 38 23 8 1 39 23	36 0 28 39 0 29	3 11 57 3 11 57 9 11 57	1 15	22 22 22 22 22 22	0 47 0 47 0 47	22 5 22 5	0 29 0 29	20 35 20 35	0 29 0 29	10 42 10 42 10 43	16 47 16 48	21 36 21 35	21 25 21 25	6 12 6 9	12 26 12 27 12 27	0 2 0 2 0 2
W23 T 24 F 25	23 24 23 22	21 8 4 4 17 29 5	4 24 10 8 23 54 7 23 36	1 57 21 3 1 56 21 2	9 1 41 23 4 1 41 23	45 0 30 48 0 31	11 57 11 56 11 56	1 14	22 23 22 23 22 24	0 47 0 47 0 47	22 6 22 6	0 29 0 29	20 34 20 34	0 29 0 29	10 43 10 43 10 43	16 49 16 49	21 34 21 33	21 23 21 23	6 3 6 0	12 28 12 29 12 29	0 2 0 2 0 2
S 26 S 27 M28	23 20 23 18 23 15	8 26 5 3 24 4 4	3 23 17 5 22 56 4 22 33	1 52 20 5 1 48 20 3	4 1 43 23	52 0 32 54 0 32	11 56 2 11 56 2 11 56	1 13	22 24 22 24 22 25	0 47 0 47 0 47	22 7 22 7	0 29 0 29	20 33 20 33	0 29 0 29	10 43 10 44 10 44	16 50 16 50	21 33 21 32	21 22 21 21	5 55 5 52	12 30 12 31 12 31	0 2 0 2 0 2
T 29 W30	23 12 23n 8		1 22 9 6 21n45				3 11 56 3 11 s56		22 25 22 s25	0 47 0n47	22 s 8 22 s 8				10 44 10 s44				-	12 32 12n33	0 2 0n 2

Julian Day Number = 2479820.5, Delta T = 83.72 sec Ecliptic obliquity = 23°25'48, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°49'19, Lahiri = 24°56'19

JULY 2077 00:00 UT

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Day	Sid.t	$\odot$	D	ğ	φ	♂	4	ħ	)ਮੂ(	卉	Р	r	ດ	Ç	&	Day
T 1	18 38 47	9950'33	8M26	1 <b>Ω</b> 44	9Ω 1	27 <b>II</b> 56	4°D40	7°R48	21°R50	259540	12 <b>Y</b> 5	7Ⅲ28	6 <b>I</b> I10	26 <b>m</b> 45	3 <b>8</b> 4	T 1
F 2	18 42 44	10°47'45	20°50	3°17	10°13	28°37	4 <b>M</b> .40	7 <b>⋜</b> 44	21 <b>る</b> 48	25°42	12° 5	7°29	6° 6	26°52	3° 5	F 2
S 3	18 46 41	11°44'56	3 <b>₹</b> 33	4°48	11°26	29°18	4°40	7°39	21°46	25°44	12° 5	7°R30	6° 3	26°59	3° 7	S 3
S 4	18 50 37	12°42'08	16°37	6°16	12°38	29°58	4°41	7°35	21°43	25°46	12° 5	7°30	6° 0	27° 5	3° 9	S 4
M 5	18 54 34	13°39'19	0중 4	7°42	13°50	0939	4°42	7°30	21°41	25°48	12° 5	7°28	5°57	27°12	3°11	M 5
T 6	18 58 30	14°36'30	13°52	9° 6	15° 2	1°20	4°42	7°26	21°38	25°51	12° 5	7°24	5°54	27°19	3°12	T 6
W 7	19 2 27	15°33'41	27°58	10°28	16°14	2° 0	4°43	7°22	21°36	25°53	12° 6	7°20	5°50	27°25	3°14	W 7
T 8	19 6 23	16°30'53	12≈19	11°46	17°25	2°41	4°44	7°17	21°34	25°55	12° 6	7°14	5°47	27°32	3°15	T 8
F 9	19 10 20	17°28'04	26°47	13° 3	18°37	3°21	4°46	7°13	21°31	25°57	12° 6	7° 8	5°44	27°39	3°17	F 9
S 10	19 14 17	18°25'16	11 <b>)</b> 18	14°17	19°49	4° 2	4°47	7° 9	21°29	25°59	12° 6	7° 3	5°41	27°46	3°18	S 10
S 11	19 18 13	19°22'28	25°46	15°28	21° 1	4°42	4°49	7° 4	21°26	26° 2	12° 6	6°59	5°38	27°52	3°20	S 11
M12	19 22 10	20°19'40	10 <b>Υ</b> 6	16°37	22°13	5°22	4°51	7° 0	21°24	26° 4	12°R 6	6°57	5°35	27°59	3°21	M12
T 13	19 26 6	21°16'53	24°15	17°43	23°24	6° 3	4°53	6°56	21°22	26° 6	12° 6	6°D57	5°31	28° 6	3°22	T 13
W14	19 30 3	22°14'07	8812	18°46	24°36	6°43	4°55	6°52	21°19	26° 8	12° 6	6°57	5°28	28°12	3°24	W14
T 15	19 33 59	23°11'21	21°56	19°46	25°47	7°23	4°57	6°48	21°17	26°11	12° 6	6°59	5°25	28°19	3°25	T 15
F 16	19 37 56	24° 8'35	5 <b>Ⅱ</b> 29	20°43	26°59	8° 4	5° 0	6°43	21°14	26°13	12° 6	6°R59	5°22	28°26	3°26	F 16
S 17	19 41 52	25° 5'51	18°49	21°37	28°11	8°44	5° 3	6°39	21°12	26°15	12° 5	6°59	5°19	28°32	3°27	S 17
S 18	19 45 49	26° 3'07	1957	22°28	29°22	9°24	5° 6	6°35	21° 9	26°17	12° 5	6°56	5°16	28°39	3°28	S 18
M19	19 49 46	27° 0'23	14°53	23°15	0 <b>m</b> 33	10° 4	5° 9	6°31	21° 7	26°19	12° 5	6°51	5°12	28°46	3°29	M19
T 20	19 53 42	27°57'40	27°37	23°59	1°45	10°44	5°12	6°27	21° 5	26°22	12° 5	6°44	5° 9	28°53	3°30	T 20
W21	19 57 39	28°54'58	10 <b>Ω</b> 10	24°40	2°56	11°24	5°15	6°23	21° 2	26°24	12° 5	6°35	5° 6	28°59	3°31	W21
T 22	20 1 35	29°52'15	22°30	25°16	4° 7	12° 4	5°19	6°20	21° 0	26°26	12° 5	6°26	5° 3	29° 6	3°32	T 22
F 23	20 5 32	0 <b>Ω</b> 49'33	4 Mp 40	25°48	5°19	12°44	5°23	6°16	20°58	26°28	12° 4	6°16	5° 0	29°13	3°33	F 23
S 24	20 9 28	1°46'52	16°41	26°17	6°30	13°24	5°26	6°12	20°55	26°31	12° 4	6° 7	4°56	29°19	3°33	S 24
S 25	20 13 25	2°44'11	28°35	26°41	7°41	14° 3	5°30	6° 8	20°53	26°33	12° 4	6° 0	4°53	29°26	3°34	S 25
M26	20 17 21	3°41'30	10 <b>≏</b> 26	27° 0	8°52	14°43	5°35	6° 5	20°50	26°35	12° 4	5°55	4°50	29°33	3°35	M26
T 27	20 21 18	4°38'50	22°18	27°15	10° 3	15°23	5°39	6° 1	20°48	26°37	12° 3	5°52	4°47	29°40	3°35	T 27
W28	20 25 15	5°36'10	4 <b>M</b> .15	27°25	11°14	16° 3	5°44	5°57	20°46	26°39	12° 3	5°D51	4°44	29°46	3°36	W28
T 29	20 29 11	6°33'30	16°23	27°30	12°25	16°42	5°48	5°54	20°44	26°42	12° 2	5°52	4°41	29°53	3°36	T 29
F 30	20 33 8	7°30'52	28°46	27°R31	13°36	17°22	5°53	5°50	20°41	26°44	12° 2	5°52	4°37	29°59	3°37	F 30
S 31	20 37 4	8 <b>Ω</b> 28'13	11 <b>×</b> 30	27 <b>\O</b> 26	14 Mp 46	1899 1	5 <b>M</b> .58	5 <b>궁</b> 47	20 <b>궁</b> 39	269946	12 <b>°</b> 2	5°R52	4 <b>Ⅱ</b> 34	0 <b>호</b> 6	3 <b>8</b> 37	S 31

Day	$\odot$	J	)	ζ	5	ç	)	d	7	:	4	ħ	l	)	<b>β</b> (	<del>,</del>	(	Е	<u>-</u>	n	Ω	Ç	لح	S
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n 4	11s54	2n32	21n19	1n35	19n40	1n44	23n59	0n34	11 s57	1n12	22 s26	0n47	22 s 9	0 s29	20n32	0 s29	10s45	16s51	21n33	21n20	5n43	12n33	0n 1
F 2	22 59	16 31	1 30	20 52	1 30	19 20	1 44	24 0	0 34	11 57	1 12	22 26	0 46	22 9	0 29	20 31	0 29	10 45	16 51	21 33	21 19	5 40	12 34	0 1
S 3	22 55	20 30	0 22	20 24	1 23	19 1	1 44	24 1	0 35	11 57	1 11	22 26	0 46	22 9	0 29	20 31	0 29	10 45	16 52	21 33	21 19	5 37	12 34	0 1
S 4	22 49	23 35	0s50	19 56	1 17	18 40	1 44	24 1	0 36	11 58	1 11	22 27	0 46	22 10	0 29	20 30	0 29	10 45	16 52	21 33	21 18	5 34	12 35	0 1
M 5	22 44	25 26	2 0	19 27	1 9	18 19	1 44	24 2	0 36	11 58	1 11	22 27	0 46	22 10	0 29	20 30	0 29	10 46	16 53	21 33	21 17	5 31	12 35	0 1
T 6	22 38	25 46	3 5	18 58	1 2	17 58	1 43	24 2	0 37	11 59	1 11	22 27	0 46	22 10	0 29	20 30	0 29	10 46	16 53	21 32	21 17	5 28	12 36	0 1
W 7	22 31	-		18 28	0 53		1 43		0 37	11 59	1 10	-	0 46	22 11		20 29	0 29				21 16		12 36	0 1
T 8		21 35			0 44		1 43		0 38		-	-		22 11		20 29	0 29				21 16		12 37	0 1
	22 17			17 27	0 35		1 42		0 38		-	-		22 12		20 29					21 15		12 37	0 1
S 10	22 10	12 4	5 8	16 57	0 26	16 29	1 42	24 1	0 39	12 1	1 10	22 29	0 46	22 12	0 29	20 28	0 29	10 47	16 54	21 29	21 15	5 16	12 38	0 1
S 11	22 2	6 10	4 53	16 26	0 15	16 5	1 41	24 0	0 39	12 2	1 9	22 29	0 46	22 12	0 29	20 28	0 29	10 47	16 55	21 28	21 14	5 13	12 38	0 1
M12	21 54	0n 1	4 19	15 56	0 5	15 41	1 41	23 59	0 40	12 3	1 9	22 29	0 45	22 13	0 29	20 27	0 29	10 48	16 55	21 28	21 14	5 10	12 38	0 1
T 13	21 45	6 8	3 30	15 25	0s 6	15 17	1 40	23 58	0 40	12 4	1 9	22 30	0 45	22 13	0 29	20 27	0 29	10 48	16 56	21 28	21 13	5 7	12 39	0 1
W14	21 36	11 53	2 29	14 55	0 17	14 52	1 39	23 56	0 41	12 5	1 8	22 30	0 45	22 14	0 29	20 27	0 29	10 48	16 56	21 28	21 12	5 4	12 39	0 1
	21 26	16 57		14 26		14 27		23 55	0 41	12 6		22 30	0 45	22 14		20 26					21 12	5 1	12 39	0 0
	21 17			13 56				23 53	0 42			22 31		22 14		20 26					21 11		12 40	0 0
S 17	21 6	24 1	1n 3	13 27	0 53	13 36	1 36	23 51	0 43	12 8	1 8	22 31	0 45	22 15	0 29	20 25	0 29	10 50	16 57	21 28	21 11	4 55	12 40	0 0
S 18	20 56	25 35	2 10	12 59	1 5	13 10	1 35	23 49	0 43	12 9	1 7	22 31	0 45	22 15	0 29	20 25	0 29	10 50	16 57	21 28	21 10	4 52	12 40	0 0
M19	20 45	25 44	3 9	12 32	1 18	12 44	1 33	23 46	0 44	12 11	1 7	22 31	0 45	22 15	0 29	20 24	0 29	10 50	16 58	21 27	21 10	4 49	12 41	0 0
T 20	20 34	24 31	3 58					23 44	0 44	12 12		22 32		22 16		20 24	0 29						12 41	0 0
	20 22	-		11 39		11 50		23 41		12 13		22 32		22 16		20 24	0 29						12 41	0 0
	20 10			11 15		11 23		23 38		12 15		22 32		22 17		20 23							12 41	0 s 0
F 23		14 31		10 51	2 11			23 35		12 16		22 33		22 17		20 23							12 41	0 0
S 24	19 45	9 51	5 0	10 29	2 24	10 27	1 26	23 31	0 46	12 18	1 6	22 33	0 44	22 17	0 29	20 22	0 29	10 52	17 0	21 19	21 7	4 34	12 42	0 0
S 25	19 32	4 52	4 42	10 9	2 38	9 59	1 24	23 28	0 47	12 19	1 6	22 33	0 44	22 18	0 29	20 22	0 29	10 53	17 0	21 18	21 6	4 31	12 42	0 0
M26	19 19	0s16	4 12	9 49	2 51	9 31	1 22	23 24	0 47	12 21	1 5	22 34	0 44	22 18	0 29	20 22	0 29	10 53	17 0	21 17	21 6	4 28	12 42	0 0
T 27	19 6	5 25	3 31	9 32	3 4	-	-			12 23	1 5	_		22 18		20 21	0 29			21 17			12 42	0 0
W28		10 25	2 41	9 16					0 48			_		22 19		20 21	0 29			21 17			12 42	0 0
T 29		15 6	1 42	9 3	3 30	-		-	0 49			_		22 19		20 20	0 29			21 17			12 42	0 1
F 30	-	19 16	0 38		3 42		1 14	-		12 28				22 19		20 20	0 29			21 17	_		12 42	0 1
S 31	18n 8	22 s39	0s30	8n42	3 s54	7n 6	1n12	23n 2	0n50	12 s30	1n 4	22 s35	0n43	22 s20	0 s29	20n20	0 s29	10s56	17s 2	21n17	21n 3	4n13	12n42	0 s 1

Julian Day Number = 2479850.5, Delta T = 83.75 sec Ecliptic obliquity =  $23^{\circ}25'48$ , Nutation = -  $0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'23$ , Lahiri =  $24^{\circ}56'23$ 

AUGUST 2077 00:00 UT

Day	Sid.t	$\odot$	D	Ϋ́	φ	♂	4	ħ	)Å(	卉	Р	r	v	Ç	Š	Day
S 1	20 41 1	9 <b>£</b> 25′36	24 <b>х</b> 39	27°R15	15 <b>m</b> 57	189541	6M 3	5°R44	20°R37	269548	12°R 1	5°R51	4 <b>Ⅲ</b> 31	0 <b>ჲ</b> 13	3 <b>8</b> 37	S 1
M 2	20 44 57	10°22'58	8 <b>궁</b> 14	$27\Omega$ 0	17° 8	19°20	6° 9	5 <b>る</b> 41	20 <b>궁</b> 35	26°50	12 <b>Y</b> 1	5 <b>Ⅱ</b> 47	4°28	0°20	3°38	M 2
T 3	20 48 54	11°20'22	22°16	26°40	18°18	20° 0	6°14	5°37	20°32	26°53	12° 0	5°41	4°25	0°27	3°38	T 3
W 4	20 52 50	12°17'46	6≈42	26°15	19°29	20°39	6°20	5°34	20°30	26°55	12° 0	5°33	4°22	0°33	3°38	W 4
T 5	20 56 47	13°15'12	21°27	25°45	20°39	21°18	6°25	5°31	20°28	26°57	11°59	5°23	4°18	0°40	3°38	T 5
F 6	21 0 44	14°12'38	6 <b>∺</b> 21	25°10	21°50	21°58	6°31	5°28	20°26	26°59	11°59	5°13	4°15	0°47	3°R38	F 6
S 7	21 4 40	15°10'05	21°17	24°32	23° 0	22°37	6°37	5°25	20°24	27° 1	11°58	5° 4	4°12	0°53	3°38	S 7
S 8	21 8 37	16° 7'33	6 <b>Υ</b> 5	23°50	24°10	23°16	6°44	5°23	20°22	27° 3	11°58	4°57	4° 9	1° 0	3°38	S 8
M 9	21 12 33	17° 5'03	20°39	23° 6	25°20	23°55	6°50	5°20	20°20	27° 5	11°57	4°52	4° 6	1° 7	3°38	M 9
T 10	21 16 30	18° 2'34	4 <b>8</b> 55	22°19	26°30	24°35	6°56	5°17	20°17	27° 8	11°57	4°50	4° 2	1°14	3°38	T 10
W11	21 20 26	19° 0'06	18°51	21°31	27°40	25°14	7° 3	5°15	20°15	27°10	11°56	4°D49	3°59	1°20	3°37	W11
T 12	21 24 23	19°57'40	2 <b>Ⅱ</b> 27	20°42	28°50	25°53	7°10	5°12	20°13	27°12	11°55	4°R50	3°56	1°27	3°37	T 12
F 13	21 28 19	20°55'16	15°46	19°54	0 <b>亚</b> 0	26°32	7°17	5°10	20°11	27°14	11°55	4°49	3°53	1°34	3°37	F 13
S 14	21 32 16	21°52'53	28°49	19° 7	1°10	27°11	7°24	5° 7	20°10	27°16	11°54	4°47	3°50	1°40	3°36	S 14
S 15	21 36 13	22°50'31	119538	18°22	2°20	27°50	7°31	5° 5	20° 8	27°18	11°53	4°43	3°47	1°47	3°36	S 15
M16	21 40 9	23°48'11	24°16	17°41	3°29	28°29	7°38	5° 3	20° 6	27°20	11°53	4°36	3°43	1°54	3°35	M16
T 17	21 44 6	24°45'52	6 <b>Ω</b> 44	17° 3	4°39	29° 8	7°46	5° 1	20° 4	27°22	11°52	4°25	3°40	2° 0	3°35	T 17
W18	21 48 2	25°43'34	19° 2	16°31	5°48	29°46	7°53	4°59	20° 2	27°24	11°51	4°13	3°37	2° 7	3°34	W18
T 19	21 51 59	26°41'18	1 Mp 12	16° 4	6°58	$0\Omega_{25}$	8° 1	4°57	20° 0	27°26	11°50	4° 0	3°34	2°14	3°34	T 19
F 20	21 55 55	27°39'03	13°14	15°43	8° 7	1° 4	8° 9	4°55	19°59	27°28	11°50	3°46	3°31	2°21	3°33	F 20
S 21	21 59 52	28°36'49	25°10	15°29	9°16	1°43	8°16	4°53	19°57	27°30	11°49	3°33	3°28	2°27	3°32	S 21
S 22	22 3 48	29°34'36	7요 1	15°D22	10°26	2°21	8°25	4°52	19°55	27°32	11°48	3°22	3°24	2°34	3°31	S 22
M23	22 7 45	0 Mp 32'25	18°50	15°23	11°35	3° 0	8°33	4°50	19°53	27°34	11°47	3°14	3°21	2°41	3°30	M23
T 24	22 11 42	1°30'15	0 <b>M</b> .40	15°31	12°44	3°39	8°41	4°49	19°52	27°36	11°46	3° 9	3°18	2°47	3°29	T 24
W25	22 15 38	2°28'06	12°35	15°47	13°52	4°17	8°49	4°47	19°50	27°38	11°45	3° 6	3°15	2°54	3°28	W25
T 26	22 19 35	3°25'58	24°41	16°11	15° 1	4°56	8°58	4°46	19°49	27°40	11°45	3° 5	3°12	3° 1	3°27	T 26
F 27	22 23 31	4°23'52	7 <b>√</b> 1	16°43	16°10	5°34	9° 7	4°45	19°47	27°42	11°44	3° 5	3° 8	3° 8	3°26	F 27
S 28	22 27 28	5°21'47	19°42	17°23	17°18	6°13	9°15	4°44	19°46	27°43	11°43	3° 5	3° 5	3°14	3°25	S 28
S 29	22 31 24	6°19'43	2 <b>云</b> 48	18°10	18°27	6°51	9°24	4°43	19°44	27°45	11°42	3° 3	3° 2	3°21	3°24	S 29
M30	22 35 21	7°17'41	16°22	19° 4	19°35	7°29	9°33	4°42	19°43	27°47	11°41	2°59	2°59	3°28	3°23	M30
T 31	22 39 17	8 <b>M</b> p 15'40	0≈26	20 <b>N</b> 6	20 <b>≏</b> 43	8 <b>N</b> 8	9 <b>M</b> .42	4 <b>⋜</b> 41	19 <b>る</b> 42	279549	11 <b>Y</b> 40	2 <b>Ⅱ</b> 53	2 <b>Ⅱ</b> 56	3 <b>≏</b> 34	3 <b>8</b> 21	T 31

Day	0	D	ğ	9	3"	4	ħ	)Å(	卉	В	ស ប	Ç	ķ
	decl	decl lat	decl lat	decl lat dec	lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
S 1				6n36 ln 9 22n5					20n19 0s29		21n16 21n 2		12n42 0s 1
M 2	17 38			6 6 1 7 22 52					20 19 0 29		21 16 21 2		12 42 0 1
T 3 W 4	17 22			5 37 1 4 22 4		12 36 1 3			20 18 0 29		21 15 21 1		12 42 0 1
T 5	17 6 16 50	-		5 7 1 2 22 42 4 36 0 59 22 30		12 38 1 3 12 40 1 3			20 18 0 29 20 17 0 29		-		12 42 0 1 12 42 0 1
F 6		18 58 4 53 13 51 5 2		4 36 0 59 22 30 4 6 0 56 22 30					20 17 0 29		21 10 20 59	3 55	
$\begin{bmatrix} \mathbf{r} & 0 \\ \mathbf{S} & 7 \end{bmatrix}$	16 17	7 54 4 50							20 17 0 29		21 8 20 59	3 52	
S 8 M 9	16 0 15 43	1 33 4 19 4n48 3 31							20 16 0 29 20 16 0 29		21 7 20 58 21 6 20 57		12 42 0 1 12 42 0 1
T 10	15 45			2 35 0 48 22 12 2 4 0 45 22 6		12 49 1 2 12 51 1 2			20 16 0 29				12 42 0 1 12 42 0 1
W11	15 23			1 34 0 42 21 59		12 54 1 1			20 15 0 29		21 6 20 56	3 40	-
T 12		20 26 0 13		1 3 0 38 21 52					20 15 0 29			3 37	
F 13	-	23 38 0n58		0 32 0 35 21 45		12 58 1 1			20 14 0 29		21 5 20 55	3 34	
S 14	14 13			0 1 0 32 21 38					20 14 0 29		21 5 20 54	3 31	
S 15	13 54	25 56 3 1	11 10 4 22	0s29 0 28 21 3	0 57 1	13 3 1 1	22 39 0 41	22 24 0 29	20 13 0 29	11 3 17 7	21 4 20 54	3 28	12 41 0 2
M16	13 35	25 1 3 50	11 33 4 10	1 0 0 25 21 24	0 57 1	13 6 1 0	22 39 0 41	22 25 0 29	20 13 0 29	11 4 17 7	21 3 20 53	3 25	12 41 0 2
T 17	13 16	22 52 4 26	11 56 3 58	1 31 0 22 21 10	0 58 1	13 9 1 0	22 39 0 41	22 25 0 29	20 13 0 29	11 4 17 7	21 1 20 53	3 22	12 40 0 2
W18	12 56	19 41 4 49	12 20 3 43	2 2 0 18 21 8	0 58 1	13 11 1 0	22 39 0 41	22 25 0 29	20 12 0 29	11 5 17 7	20 59 20 52	3 19	12 40 0 2
T 19	12 37	15 42 4 59	12 42 3 28	2 33 0 14 21	0 59 1	13 14 1 0	22 39 0 41	22 26 0 29	20 12 0 29	11 5 17 8	20 56 20 51	3 15	12 40 0 2
F 20	12 17	-	-	3 3 0 11 20 53					20 12 0 29		20 54 20 51	3 12	
S 21	11 57	6 11 4 39	13 24 2 55	3 34 0 7 20 44	1 0 1	13 19 0 59	22 40 0 41	22 26 0 29	20 11 0 29	11 6 17 8	20 51 20 50	3 9	12 39 0 2
S 22	11 37	1 3 4 10	13 43 2 37	4 5 0 3 20 30	1 0 1	13 22 0 59	22 40 0 40	22 26 0 29	20 11 0 29	11 7 17 9	20 49 20 50	3 6	12 39 0 2
M23	11 17	4s 7 3 31	14 0 2 19	4 35 0s 1 20 28	1 1 1	13 25 0 59	22 40 0 40	22 26 0 29	20 10 0 29	11 7 17 9	20 48 20 49	3 3	12 38 0 2
T 24	10 56	9 10 2 42	14 15 2 1	5 6 0 5 20 19		13 28 0 59	22 40 0 40	22 27 0 29	20 10 0 29	11 8 17 9	20 47 20 48	3 0	12 38 0 3
W25		13 55 1 46		5 36 0 9 20 1					20 10 0 29		20 46 20 48	2 57	
T 26			14 37 1 25	6 7 0 13 20 2				22 27 0 29			20 46 20 47	2 54	
F 27		21 49 0s21	-	6 37 0 17 19 53				22 27 0 29			20 46 20 47	2 51	
S 28	9 32	24 28 1 27	14 49 0 51	7 7 0 21 19 4	1 3 1	13 40 0 58	22 41 0 40	22 28 0 29	20 9 0 29	11 10 17 10	20 46 20 46	2 48	12 36 0 3
S 29	9 11		14 51 0 34					22 28 0 29			20 46 20 45		12 36 0 3
M30		25 51 3 27						22 28 0 29			20 45 20 45	2 42	
T 31	8n28	24s11 4s14	14n44 0s 3	8 s 3 6 0 s 3 3 1 9 n 1 0	1n 4 1	13 s49 0n57	22 s42 0n39	22 s28 0 s29	20n 7 0 s29	11s12 17s11	20n44 20n44	2n39	12n35 0s 3

Julian Day Number = 2479881.5, Delta T = 83.78 sec Ecliptic obliquity =  $23^{\circ}25'49$ , Nutation = -  $0^{\circ}00'14$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'27$ , Lahiri =  $24^{\circ}56'28$ 

SEPTEMBER 2077 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)Å(	¥	Р	u	Ω	Ç	ę,	Day
W 1	22 43 14	9 <b>m</b> 13'40	14≈59	21Ω14	21 <b>≙</b> 52	8 <b>Ω</b> 46	9 <b>M</b> .51	4°R40	19°R40	27951	11°R39	2°R44	2Д53	3 <b>≏</b> 41	3°R20	W 1
T 2	22 47 11	10°11'42	29°55	22°28	23° 0	9°24	10° 1	4 <b>조</b> 40	19 <b>る</b> 39	27°52	11 <b>Y</b> 38	2 <b>Ⅲ</b> 33	2°49	3°48	3 <b>8</b> 19	T 2
F 3	22 51 7	11° 9'45	15 <b>)</b> 5	23°49	24° 7	10° 2	10°10	4°39	19°38	27°54	11°37	2°22	2°46	3°54	3°17	F 3
S 4	22 55 4	12° 7'50	0 <b>Υ</b> 19	25°15	25°15	10°40	10°20	4°39	19°37	27°56	11°36	2°12	2°43	4° 1	3°16	S 4
S 5	22 59 0	13° 5'57	15°27	26°45	26°23	11°19	10°29	4°38	19°36	27°58	11°35	2° 4	2°40	4° 8	3°14	S 5
M 6	23 2 57	14° 4'05	0 <b>8</b> 19	28°20	27°30	11°57	10°39	4°38	19°35	27°59	11°34	1°59	2°37	4°15	3°13	M 6
T 7	23 6 53	15° 2'16	14°48	29°59	28°38	12°35	10°49	4°38	19°33	28° 1	11°33	1°56	2°33	4°21	3°11	T 7
W 8	23 10 50	16° 0'28	28°53	1 <b>m</b> 42	29°45	13°13	10°59	4°D38	19°32	28° 3	11°32	1°D55	2°30	4°28	3° 9	W 8
T 9	23 14 46	16°58'43	12 <b>Ⅲ</b> 32	3°27	0ML52	13°51	11° 9	4°38	19°32	28° 4	11°31	1°R55	2°27	4°35	3° 8	T 9
F 10	23 18 43	17°57'00	25°48	5°15	1°59	14°29	11°19	4°38	19°31	28° 6	11°30	1°55	2°24	4°41	3° 6	F 10
S 11	23 22 40	18°55'19	8 <b>9</b> 43	7° 4	3° 6	15° 7	11°29	4°38	19°30	28° 7	11°29	1°53	2°21	4°48	3° 4	S 11
S 12	23 26 36	19°53'40	21°22	8°55	4°13	15°44	11°39	4°39	19°29	28° 9	11°28	1°49	2°18	4°55	3° 2	S 12
M13	23 30 33	20°52'03	3 <b>Ω</b> 48	10°47	5°19	16°22	11°49	4°39	19°28	28°10	11°27	1°43	2°14	5° 1	3° 1	M13
T 14	23 34 29	21°50'28	16° 3	12°40	6°25	17° 0	12° 0	4°40	19°27	28°12	11°26	1°34	2°11	5° 8	2°59	T 14
W15	23 38 26	22°48'55	28° 9	14°33	7°32	17°38	12°10	4°40	19°27	28°13	11°25	1°22	2° 8	5°15	2°57	W15
T 16	23 42 22	23°47'24	10 <b>m</b> 10	16°27	8°38	18°15	12°21	4°41	19°26	28°15	11°24	1°10	2° 5	5°22	2°55	T 16
F 17	23 46 19	24°45'55	22° 5	18°20	9°44	18°53	12°32	4°42	19°26	28°16	11°22	0°57	2° 2	5°28	2°53	F 17
S 18	23 50 15	25°44'27	3 <b>₾</b> 57	20°14	10°50	19°31	12°43	4°43	19°25	28°18	11°21	0°45	1°59	5°35	2°51	S 18
S 19	23 54 12	26°43'02	15°47	22° 7	11°55	20° 8	12°53	4°44	19°25	28°19	11°20	0°35	1°55	5°42	2°48	S 19
M20	23 58 8	27°41'38	27°36	23°59	13° 1	20°46	13° 4	4°45	19°24	28°20	11°19	0°28	1°52	5°48	2°46	M20
T 21	0 2 5	28°40'17	9 <b>™</b> 28	25°51	14° 6	21°23	13°15	4°46	19°24	28°22	11°18	0°23	1°49	5°55	2°44	T 21
W22	0 6 2	29°38'57	21°25	27°42	15°11	22° 1	13°27	4°48	19°23	28°23	11°17	0°21	1°46	6° 2	2°42	W22
T 23	0 9 58	ე <b>ჲ</b> 37'38	3 <b>₹</b> 31	29°32	16°16	22°38	13°38	4°49	19°23	28°24	11°16	0°D20	1°43	6° 8	2°40	T 23
F 24	0 13 55	1°36'22	15°51	1 <b>≏</b> 21	17°20	23°16	13°49	4°51	19°23	28°25	11°14	0°21	1°39	6°15	2°37	F 24
S 25	0 17 51	2°35'07	28°29	3°10	18°25	23°53	14° 0	4°52	19°23	28°26	11°13	0°R22	1°36	6°22	2°35	S 25
S 26	0 21 48	3°33'54	11 <b>る</b> 30	4°58	19°29	24°30	14°12	4°54	19°23	28°28	11°12	0°22	1°33	6°29	2°33	S 26
M27	0 25 44	4°32'43	24°57	6°45	20°33	25° 7	14°23	4°56	19°23	28°29	11°11	0°20	1°30	6°35	2°30	M27
T 28	0 29 41	5°31'33	8 <b>≈</b> 54	8°30	21°37	25°45	14°35	4°58	19°D23	28°30	11°10	0°16	1°27	6°42	2°28	T 28
W29	0 33 37	6°30'26	23°19	10°15	22°40	26°22	14°46	<u>5°</u> 0	1 <u>9</u> °23	28°31	11° 9	0°10	1°24	6°49	2°25	W29
T 30	0 37 34	7 <b>₽</b> 29'19	8 <b>)</b> 10	11 <b>≏</b> 59	23 <b>M</b> .44	$26\Omega 59$	14ML58	5 <b>る</b> 2	19 <b>る</b> 23	28932	11 <b>°</b> 7	0 <b>I</b> I 2	1 <b>Ⅱ</b> 20	6 <b>₽</b> 55	2 <b>8</b> 23	T 30

Day	0	D		ğ	φ		C	7	2	+	ħ	l	);	ł(	4	7	Р	n	v	Ç	ď	;
	decl	decl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
W 1	8n 6	20s54 4s4	6 14n36	0n12	9s 6	0 s 3 8	19n 6	1n 5	13 s52	0n57	22 s42	0n39	22 s28	0 s29	20n 7	0 s29	11s12 17s1	1 20n42	20n44	2n36	12n34	0 s 3
T 2	7 45	16 11 5	0 14 25	0 25	9 35	0 42	18 56	1 5	13 55	0 57	22 42	0 39	22 28	0 29	20 7	0 29	11 13 17 1	1 20 40	20 43	2 33	12 34	0 3
F 3	7 23	10 23 4 5	3 14 10	0 38	10 4	0 46	18 47	1 6	13 58	0 57	22 42	0 39	22 29	0 29	20 6	0 29	11 13 17 1	1 20 38	20 42	2 30	12 33	0 3
S 4	7 0	3 56 4 2	6 13 52	0 49	10 33	0 51	18 37	1 6	14 1	0 56	22 42	0 39	22 29	0 29	20 6	0 29	11 14 17 1	1 20 36	20 42	2 26	12 33	0 3
S 5	6 38	2n42 3 3	9 13 31	1 0	11 2	0 55	18 27	1 6	14 4	0 56	22 43	0 38	22 29	0 29	20 6	0 29	11 15 17 1	2 20 34	20 41	2 23	12 32	0 4
M 6	6 16	9 6 2 3	9 13 8	1 9	11 31	1 0	18 16	1 7	14 7	0 56	22 43	0 38	22 29	0 29	20 5	0 29	11 15 17 1	2 20 33	20 40	2 20	12 31	0 4
T 7	5 54	14 51 1 2	9 12 41	1 17	11 59	1 4	18 6	1 7	14 11	0 56	22 43	0 38	22 29	0 29	20 5	0 29	11 16 17 1	2 20 32	20 40	2 17	12 31	0 4
W 8	5 31	19 38 0 1	6 12 11	1 25	12 27	1 9	17 56	1 8	14 14	0 56	22 43	0 38	22 29	0 29	20 5	0 29	11 16 17 1	2 20 32	20 39	2 14	12 30	0 4
T 9	5 8	23 13 0n5	6 11 39	1 31	12 55	1 13	17 45	1 8	14 17	0 56	22 43	0 38	22 29	0 29	20 4	0 29	11 17 17 1	2 20 32	20 39	2 11	12 30	0 4
F 10	4 46	25 25 2	3 11 5	1 36	13 22	1 18	17 35	1 9	14 20	0 55	22 43	0 38	22 30	0 29	20 4	0 29	11 17 17 1	3 20 32	20 38	2 8	12 29	0 4
S 11	4 23	26 10 3	2 10 28	1 41	13 50	1 22	17 24	1 9	14 24	0 55	22 43	0 38	22 30	0 29	20 4	0 29	11 18 17 1	3 20 32	20 37	2 5	12 28	0 4
S 12	4 0	25 32 3 5	0 9 50	1 44	14 17	1 27	17 13	1 9	14 27	0 55	22 43	0 37	22 30	0 29	20 3	0 29	11 18 17 1	3 20 31	20 37	2 2	12 27	0 4
M13	3 37	23 37 4 2	7 9 10	1 46	14 43	1 31	17 2	1 10	14 30		22 44	0 37	22 30	0 29	20 3	0 29	11 19 17 1	3 20 30	20 36	1 59	12 27	0 4
T 14	3 14	20 39 4 5	1 8 28	1 48	15 10	1 36	16 51	1 10	14 34	0 55	22 44	0 37	22 30	0 29	20 3	0 29	11 19 17 1	3 20 28	20 35	1 56	12 26	0 4
W15	2 51	16 49 5	1 7 45	1 49	15 36	1 40	16 40	1 11	14 37	0 55	22 44	0 37	22 30	0 29	20 3	0 29	11 20 17 1	3 20 26	20 35	1 53	12 25	0 4
T 16	2 28	12 21 4 5	8 7 1	1 49	16 2	1 45	16 29	1 11	14 40	0 54	22 44	0 37	22 30	0 29	20 2	0 29	11 20 17 1	3 20 23	20 34	1 49	12 25	0 4
F 17	2 5	7 27 4 4	2 6 16	1 48	16 27	1 50	16 17	1 12	14 44	0 54	22 44	0 37	22 30	0 29	20 2	0 29	11 21 17 1	3 20 21	20 34	1 46	12 24	0 4
S 18	1 42	2 18 4 1	3 5 30	1 47	16 53	1 54	16 6	1 12	14 47	0 54	22 44	0 37	22 30	0 29	20 2	0 29	11 22 17 1	4 20 18	20 33	1 43	12 23	0 5
S 19	1 18	2 s 5 5 3 3	4 4 44	1 45	17 17	1 59	15 55	1 12	14 51	0 54	22 44	0 36	22 30	0 29	20 1	0 29	11 22 17 1	4 20 16	20 32	1 40	12 22	0 5
M20	0 55	8 3 2 4	5 3 57		17 42	2 3	15 43	1 13	14 54		22 44		22 30		20 1	0 29		-		1 37	12 21	0 5
T 21	0 32				18 6		15 31		14 58		22 44		22 30			0 29					12 21	0 5
W22	0 8		-		18 30		15 20	1 14			22 45		22 30			0 29					12 20	0 5
T 23	0 s15	21 8 0s1	7 1 36		18 53	2 17		1 14	15 5		22 45		22 30		20 0	0 29	- / -			1 28	12 19	0 5
F 24	0 38	24 2 1 2	2 0 48	1 28	19 16	2 22	14 56	1 14	15 8	0 53	22 45	0 36	22 30			0 29				1 25	12 18	0 5
S 25	1 2	25 50 2 2	5 0 1	1 23	19 38	2 26	14 44	1 15	15 12	0 53	22 45	0 36	22 30	0 29	20 0	0 29	11 25 17 1	4 20 13	20 28	1 22	12 17	0 5
S 26	-	26 17 3 2	2 0 s46	-	20 1	-	14 32		15 15		22 45		22 30		20 0	0 29	11 26 17 1			1 19	12 16	0 5
M27	1 48	-		-	20 22		14 20		15 19		22 45		22 30			0 29					12 15	0 5
T 28		22 37 4 4			20 43		14 8		15 22		22 45		22 30			0 29					12 14	0 5
W29			4 3 7	1 2	21 4		13 55		15 26		22 45		22 30			0 29		-			12 13	0 5
T 30	2 s 5 8	13 s11 5 s	3 3 s 5 3	0n56	21 s25	2 s48	13n43	1n17	15 s29	0n52	22 s45	0n35	22 s30	0s29	19n59	0 s29	11 s28 17 s1	4 20n 9	20n25	1n 6	12n13	0s 6

Julian Day Number = 2479912.5, Delta T = 83.81 sec Ecliptic obliquity = 23°25'50, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°49'31, Lahiri = 24°56'32

OCTOBER 2077 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ	)ф(	卉	В	₽.	u	Ç	ķ	Day
F 1	0 41 31	8 <b>≏</b> 28'15	23 <b>)</b> (20	13 <u>₽</u> 43	24M47	27 <b>Ω</b> 36	15 <b>M</b> _10	5 <b>る</b> 4	19 <b>る</b> 23	28933	11°R 6	29°R54	1 <b>I</b> I7	7 <b>♀</b> 2	2°R20	F 1
S 2	0 45 27	9°27'12	8 <b>Ƴ</b> 39	15°25	25°49	28°13	15°22	5° 6	19°23	28°34	11 <b>Y</b> 5	29 <b>8</b> 47	1°14	7° 9	2 <b>8</b> 18	S 2
S 3	0 49 24	10°26'12	23°55	17° 6	26°52	28°50	15°33	5° 9	19°23	28°35	11° 4	29°41	1°11	7°15	2°15	S 3
M 4	0 53 20	11°25'14	8 <b>8</b> 58	18°47	27°54	29°27	15°45	5°11	19°23	28°36	11° 3	29°37	1° 8	7°22	2°13	M 4
T 5	0 57 17	12°24'18	23°41	20°27	28°56	0Mp 4	15°57	5°14	19°24	28°37	11° 2	29°D35	1° 4	7°29	2°10	T 5
W 6	1 1 13	13°23'24	7 <b>Ⅱ</b> 57	22° 5	29°58	0°41	16° 9	5°16	19°24	28°38	11° 0	29°35	1° 1	7°36	2° 7	W 6
T 7	1 5 10	14°22'32	21°46	23°43	0 <b>∡</b> 759	1°18	16°21	5°19	19°25	28°38	10°59	29°37	0°58	7°42	2° 5	T 7
F 8	1 9 6	15°21'43	595 8	25°21	2° 0	1°54	16°34	5°22	19°25	28°39	10°58	29°38	0°55	7°49	2° 2	F 8
S 9	1 13 3	16°20'57	18° 6	26°57	3° 1	2°31	16°46	5°25	19°26	28°40	10°57	29°R38	0°52	7°56	2° 0	S 9
S 10	1 17 0	17°20'12	0 <b>Ω</b> 43	28°33	4° 1	3° 8	16°58	5°28	19°26	28°41	10°56	29°37	0°49	8° 2	1°57	S 10
M11	1 20 56	18°19'30	13° 4	OM 8	5° 1	3°45	17°10	5°31	19°27	28°41	10°55	29°34	0°45	8° 9	1°54	M11
T 12	1 24 53	19°18'50	25°13	1°42	6° 1	4°21	17°23	5°34	19°28	28°42	10°53	29°30	0°42	8°16	1°51	T 12
W13	1 28 49	20°18'12	7 <b>m</b> 13	3°16	7° 0	4°58	17°35	5°37	19°28	28°43	10°52	29°23	0°39	8°22	1°49	W13
T 14	1 32 46	21°17'37	19° 7	4°49	7°59	5°34	17°48	5°41	19°29	28°43	10°51	29°16	0°36	8°29	1°46	T 14
F 15	1 36 42	22°17'03	0 <b>ჲ</b> 58	6°21	8°58	6°11	18° 0	5°44	19°30	28°44	10°50	29° 9	0°33	8°36	1°43	F 15
S 16	1 40 39	23°16'32	12°48	7°52	9°56	6°47	18°13	5°48	19°31	28°44	10°49	29° 2	0°30	8°42	1°40	S 16
S 17	1 44 35	24°16'03	24°40	9°23	10°53	7°24	18°25	5°51	19°32	28°45	10°48	28°57	0°26	8°49	1°37	S 17
M18	1 48 32	25°15'36	6MJ34	10°53	11°51	8° 0	18°38	5°55	19°33	28°45	10°47	28°53	0°23	8°56	1°35	M18
T 19	1 52 29	26°15'10	18°32	12°23	12°47	8°36	18°50	5°59	19°34	28°46	10°45	28°51	0°20	9° 3	1°32	T 19
W20	1 56 25	27°14'47	0 <b>∡</b> 37	13°51	13°44	9°12	19° 3	6° 3	19°35	28°46	10°44	28°D50	0°17	9° 9	1°29	W20
T 21	2 0 22	28°14'26	12°52	15°19	14°40	9°49	19°16	6° 7	19°36	28°47	10°43	28°51	0°14	9°16	1°26	T 21
F 22	2 4 18	29°14'07	2 <u>5</u> °18	16°47	15°35	10°25	19°29	6°11	19°37	28°47	10°42	28°53	0°10	9°23	1°23	F 22
S 23	2 8 15	0 <b>M</b> 13'49	8 <b>궁</b> 0	18°13	16°30	11° 1	19°42	6°15	19°38	28°47	10°41	28°54	0° 7	9°29	1°21	S 23
S 24	2 12 11	1°13'33	21° 0	19°39	17°24	11°37	19°54	6°19	19°40	28°48	10°40	28°56	0° 4	9°36	1°18	S 24
M25	2 16 8	2°13'19	4≈23	21° 5	18°17	12°13	20° 7	6°23	19°41	28°48	10°39	28°R56	0° 1	9°43	1°15	M25
T 26	2 20 4	3°13'06	18° 9	22°29	19°10	12°49	20°20	6°27	19°42	28°48	10°38	28°55	29 <b>8</b> 58	9°49	1°12	T 26
W27	2 24 1	4°12'55	2 <b>)</b> 20	23°53	20° 3	13°25	20°33	6°32	19°44	28°48	10°37	28°53	29°55	9°56	1° 9	W27
T 28	2 27 58	5°12'46	16°54	25°15	20°54	14° 1	20°46	6°36	19°45	28°48	10°36	28°50	29°51	10° 3	1° 6	T 28
F 29	2 31 54	6°12'38	1 <b>Ƴ</b> 47	26°37	21°45	14°36	20°59	6°41	19°47	28°48	10°35	28°47	29°48	10° 9	1° 4	F 29
S 30	2 35 51	7°12'32	16°52	27°58	22°36	15°12	21°12	6°45	19°48	28°48	10°33	28°44	29°45	10°16	1° 1	S 30
S 31	2 39 47	8ML12'28	1859	29 <b>M</b> .18	23 <b>×</b> <sup>7</sup> 25	15 <b>m</b> /48	21 <b>M</b> 25	6 <b>ප</b> 50	19 <b>궁</b> 50	28°R49	10 <b>Y</b> 32	28 <b>8</b> 42	29842	10 <b>≏</b> 23	0 <b>8</b> 58	S 31

Day	0	D	ğ	Q	C	7	2	ł	ħ	l	)į	γ(	<b>4</b>		Р		P	v	ţ	Š	
	decl	decl lat	decl lat	t decl la	at decl	lat	decl	lat	decl	lat	decl	lat	decl la	ıt	decl la	t	decl	decl	decl	decl	lat
F 1 S 2	3 s21 3 45	6s57 4s41 0 14 3 59			2s52 13n31 2 57 13 18		15 s33 15 36		22 s45 22 45		22 s30 22 30				11 s28 1'			20n25 20 24	-	12n12 12 11	0s 6 0 6
S 3 M 4	4 8 4 31	6n29 3 0 12 46 1 49			3 1 13 6 3 5 12 53		15 40 15 44	0 52 0 52	22 45 22 45		22 30 22 30				11 29 1°			20 23 20 23	0 57 0 54	12 10 12 9	0 6 0 6
T 5	4 54 5 17	18 10 0 32	7 37 0	0 24 22 59	3 9 12 41 3 13 12 28	1 19	15 47 15 51	0 52	22 45 22 45	0 34	22 30 22 30 22 30	0 29	19 58	0 29	-	7 14 2	20 3	20 22 20 21	0 51 0 47	12 8	0 6 0 6
T 7 F 8 S 9	5 40 6 3 6 26	26 20 3 0	9 45 0	0 3 23 50	3 17 12 15 3 21 12 2 3 25 11 49	1 20	15 54 15 58 16 1	0 51	22 45 22 45 22 45	0 34	22 30 22 30 22 30	0 29	19 57	0 29	11 31 1' 11 31 1' 11 32 1'	7 14 2	20 4	20 21 20 20 20 19	0 44 0 41 0 38	12 5	0 6 0 6 0 6
S 10 M11		24 24 4 31	11 7 0	0 11 24 21	3 29 11 37 3 32 11 24	1 21	16 5 16 9	0 51	22 45	0 34	22 30 22 30 22 30	0 29	19 57	0 29	11 32 1 11 32 1 11 32 1	7 14 2	20 4	20 19 20 19 20 18	0 35 0 32	12 3	0 6
T 12 W13	7 33 7 56	17 57 5 9	12 27 0	0 25 24 51	3 36 11 11 3 39 10 58	1 22	16 12	0 51	22 45 22 45 22 45	0 33	22 29 22 29	0 29	19 57	0 29	11 32 1 11 33 1' 11 33 1'	7 14 2	20 2	20 17 20 17 20 17	0 32 0 29 0 26	12 1	0 6 0 6 0 7
T 14 F 15	8 18 8 40	3 39 4 24	14 21 0	0 46 25 30	3 43 10 45 3 46 10 31	1 23	16 23	0 50	22 45 22 45	0 33	22 29 22 29		19 56	0 29	11 34 1′ 11 34 1′	7 14	19 58	20 15	0 19	11 59 11 58	0 7 0 7
S 16 S 17	9 2 9 24	6 50 2 56	15 33 0	0 59 25 54	3 49 10 18 3 53 10 5	1 24	16 26 16 30	0 50	<ul><li>22 45</li><li>22 45</li></ul>	0 33	<ul><li>22 29</li><li>22 29</li></ul>	0 29	19 56	0 29	11 34 1' 11 35 1'	7 14	19 55	20 14	0 13	<ul><li>11 57</li><li>11 56</li></ul>	0 7 0 7
M18 T 19 W20	9 46	16 26 0 56	16 42 1	1 13 26 16	3 56 9 52 3 58 9 39 4 1 9 25	1 24 1 24 1 25	16 34 16 37 16 41	0 50	22 45 22 45 22 45	0 33	22 29 22 28 22 28		19 56	0 29	11 35 1' 11 35 1' 11 36 1'	7 14	19 54	20 13	0 7	11 55 11 54 11 52	0 7 0 7 0 7
T 21 F 22	10 51		17 48 1	1 26 26 35	4 4 9 12 4 6 8 59	1 25	16 44 16 48	0 50	22 45 22 45 22 45	0 32	22 28 22 28 22 28	0 28	19 56	0 29	11 36 1 11 36 1 11 36 1	7 14	19 54	20 11	0 1	11 51 11 50	0 7 0 7 0 7
S 23 S 24					4 9 8 45 4 11 8 32		16 51 16 55		<ul><li>22 45</li><li>22 45</li></ul>		<ul><li>22 28</li><li>22 28</li></ul>				11 37 1' 11 37 1'					<ul><li>11 49</li><li>11 48</li></ul>	0 7 0 7
M25 T 26	12 35	20 17 5 9	20 15 1	1 56 27 14	4 13 8 19 4 15 8 5	1 27	17 2	0 49	22 45 22 45	0 32	22 27 22 27	0 28	19 55	0 29	11 37 1′ 11 37 1′	7 13	19 55	20 8	0 15		0 8 0 8
W27 T 28 F 29	12 55 13 15 13 35	9 45 4 59		2 7 27 25	4 17 7 52 4 19 7 38 4 20 7 25		17 9	0 49	22 45 22 45 22 44	0 31	22 27 22 27 22 26	0 28	19 55	0 29	11 38 1' 11 38 1' 11 38 1'	7 13	19 54	20 7		11 45 11 44 11 43	0 8 0 8 0 8
S 30 S 31	13 55 14s14	3n23 3 30	21 55 2	2 17 27 35	4 22 7 11 4s23 6n58	1 29	17 16 17 s20	0 49	22 44 22 s44	0 31	22 26 22 s26	0 28	19 55	0 29	11 39 1' 11 s39 1'				0 28	11 42 11n41	0 8

Julian Day Number = 2479942.5, Delta T = 83.84 sec Ecliptic obliquity =  $23^{\circ}25'50$ , Nutation = - $0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'36$ , Lahiri =  $24^{\circ}56'36$ 

NOVEMBER 2077 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ	)Å(	卉	Р	n	v	Ç	, k	Day
M 1	2 43 44	9 <b>M</b> 12'25	17 <b>8</b> 0	0 <b>∡</b> 736	24 <b>×</b> 14	16 <b>m</b> 23	21 <b>M</b> 38	6 <b>ප</b> 55	19 <b>る</b> 52	28°R49	10°R31	28°R41	29839	10₽30	0°R55	M 1
T 2	2 47 40	10°12'25	1 <b>Ⅱ</b> 45	1°54	25° 2	16°59	21°51	7° 0	19°53	289548	10 <b>Y</b> 30	28°D40	29°36	10°36	0 <b>8</b> 52	T 2
W 3	2 51 37	11°12'27	16° 9	3°10	25°49	17°34	22° 5	7° 5	19°55	28°48	10°29	28841	29°32	10°43	0°50	W 3
T 4	2 55 33	12°12'31	095 7	4°24	26°35	18°10	22°18	7°10	19°57	28°48	10°28	28°42	29°29	10°50	0°47	T 4
F 5	2 59 30	13°12'37	13°38	5°37	27°20	18°45	22°31	7°15	19°59	28°48	10°28	28°43	29°26	10°56	0°44	F 5
S 6	3 3 27	14°12'45	26°43	6°48	28° 5	19°21	22°44	7°20	20° 1	28°48	10°27	28°44	29°23	11° 3	0°41	S 6
S 7	3 7 23	15°12'55	9 <b>Ω</b> 25	7°57	28°48	19°56	22°57	7°25	20° 3	28°48	10°26	28°45	29°20	11°10	0°39	S 7
M 8	3 11 20	16°13'07	21°48	9° 4	29°31	20°31	23°10	7°30	20° 5	28°48	10°25	28°R45	29°16	11°16	0°36	M 8
T 9	3 15 16	17°13'21	3 <b>m</b> 56	10° 8	0 <b>궁</b> 12	21° 6	23°24	7°35	20° 7	28°47	10°24	28°45	29°13	11°23	0°33	T 9
W10	3 19 13	18°13'37	15°54	11°10	0°52	21°41	23°37	7°41	20° 9	28°47	10°23	28°43	29°10	11°30	0°31	W10
T 11	3 23 9	19°13'55	27°45	12° 8	1°31	22°17	23°50	7°46	20°11	28°47	10°22	28°42	29° 7	11°36	0°28	T 11
F 12	3 27 6	20°14'14	9 <b>≙</b> 35	13° 2	2° 9	22°52	24° 3	7°52	20°13	28°46	10°21	28°41	29° 4	11°43	0°25	F 12
S 13	3 31 2	21°14'36	21°26	13°53	2°46	23°26	24°17	7°57	20°15	28°46	10°20	28°40	29° 1	11°50	0°23	S 13
S 14	3 34 59	22°15'00	3 <b>M</b> 21	14°39	3°21	24° 1	24°30	8° 3	20°18	28°45	10°19	28°39	28°57	11°56	0°20	S 14
M15	3 38 56	23°15'25	15°22	15°20	3°55	24°36	24°43	8° 8	20°20	28°45	10°19	28°38	28°54	12° 3	0°18	M15
T 16	3 42 52	24°15'52	27°31	15°55	4°27	25°11	24°57	8°14	20°22	28°44	10°18	28°D38	28°51	12°10	0°15	T 16
W17	3 46 49	25°16'21	9 <b>₹</b> 51	16°24	4°58	25°46	25°10	8°20	20°24	28°44	10°17	28°38	28°48	12°17	0°13	W17
T 18	3 50 45	26°16'51	2 <u>2</u> °21	16°46	5°28	26°20	25°23	8°26	20°27	28°43	10°16	28°38	28°45	12°23	0°10	T 18
F 19	3 54 42	27°17'23	5중 4	17° 0	5°56	26°55	25°36	8°32	20°29	28°43	10°16	28°39	28°42	12°30	0° 8	F 19
S 20	3 58 38	28°17'56	18° 0	17°R 6	6°22	27°29	25°50	8°37	20°32	28°42	10°15	28°R39	28°38	12°37	0° 5	S 20
S 21	4 2 3 5	29°18'30	1≈11	17° 2	6°47	28° 3	26° 3	8°43	20°34	28°41	10°14	28°39	28°35	12°43	0° 3	S 21
M22	4 6 31	0 <b>₮</b> 19'06	14°38	16°48	7° 9	28°38	26°16	8°49	20°37	28°41	10°13	28°39	28°32	12°50	0° 0	M22
T 23	4 10 28	1°19'43	28°21	16°24	7°30	29°12	26°30	8°56	20°39	28°40	10°13	28°D39	28°29	12°57	29 <b>Y</b> 58	T 23
W24	4 14 25	2°20'20	12 <b>)</b> (21	15°49	7°49	29°46	26°43	9° 2	20°42	28°39	10°12	28°39	28°26	13° 3	29°56	W24
T 25	4 18 21	3°20'59	26°37	15° 3	8° 6	0 <b>≏</b> 20	26°56	9° 8	20°45	28°38	10°11	28°39	28°22	13°10	29°54	T 25
F 26	4 22 18	4°21'39	11 <b>°</b> 6	14° 7	8°21	0°54	27° 9	9°14	20°47	28°38	10°11	28°39	28°19	13°17	29°51	F 26
S 27	4 26 14	5°22'20	25°45	13° 2	8°34	1°28	27°23	9°20	20°50	28°37	10°10	28°40	28°16	13°23	29°49	S 27
S 28	4 30 11	6°23'02	10828	11°50	8°45	2° 2	27°36	9°27	20°53	28°36	10°10	28°40	28°13	13°30	29°47	S 28
M29	4 34 7	7°23'45	25° 9	10°31	<u>8°53</u>	2°36	27°49	9°33	2 <u>0</u> °56	28°35	10° 9	28°R41	28°10	13°37	29°45	M29
T 30	4 38 4	8 <b>×</b> 24'30	9 <b>Ⅱ</b> 41	9 <b>⊼</b> 9	8 <b>궁</b> 59	3 <b>₾</b> 9	28M 2	9 <b>궁</b> 39	20 <b>る</b> 59	28934	10 <b>Υ</b> 9	28841	28 <b>8</b> 7	13 <b>≏</b> 43	29 <b>Y</b> 43	T 30

Day	0	D	ζ	5	φ	ď	7	2	ł	ħ	l	);	ļ(	<del>,</del>	(	Е	2	IJ	v	Ç	ď	5
	decl	decl lat	decl	lat de	l lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1 T 2	14 s33		4 22 s38 7 22 58	2 s 2 5 2 7 s 4 2 2 9 2 7 4		6n44 6 31		17 s23 17 26	0n49	22 s44 22 44		22 s26 22 25		19n55 19 55	0 s29 0 29		17s12 17 12				11n40 11 39	0s 8 0 8
$\begin{bmatrix} 1 & 2 \\ W & 3 \end{bmatrix}$	-		5 23 17	2 33 27 4		6 17		17 30		22 44		22 25		19 55	0 29		17 12				11 39	0 8
T 4	15 30		5 23 34	2 36 27 4		6 4		17 33		22 44		22 25			0 29		17 11				11 37	0 8
F 5		-	4 23 50	2 39 27 5		5 50	1 31	17 37	0 48			22 25		19 55	0 29		17 11			0 47		0 8
S 6	16 6	25 12 4 29	9 24 5	2 41 27 5	0 4 26	5 37	1 31	17 40	0 48	22 43	0 30	22 24	0 28	19 55	0 29	11 40	17 11	19 52	20 1	0 50	11 35	0 8
S 7	16 24	22 41 4 59	24 18	2 43 27 5	1 4 25	5 23	1 32	17 44	0 48	22 43	0 30	22 24	0 28	19 55	0 29	11 40	17 11	19 52	20 0	0 53	11 34	0 9
M 8	16 41		4 24 30	2 44 27 5	0 4 25	5 10	1 32	17 47	0 48	22 43		22 24	0 28		0 29		17 11			0 56	11 33	0 9
T 9			5 24 41	2 45 27 5		4 56		17 50		22 43		22 23			0 29		17 10				11 32	0 9
W10			3 24 50	2 45 27 4	-	4 43		17 54		22 43		22 23							19 58		11 31	0 9
T 11	17 32		7 24 57	2 44 27 4		4 29		17 57		22 42		22 23		19 56	0 29		17 10			-	11 30	0 9
F 12	17 48		25 3	2 43 27 4		4 16	1 33			22 42		22 22		19 56	0 29		17 10			- /	11 29	0 9
S 13	18 4	5 23 3 13	2 25 7	2 41 27 4	2 4 18	4 2	1 34	18 4	0 48	22 42	0 30	22 22	0 28	19 56	0 29	11 41	1/ 9	19 51	19 56	1 12	11 28	0 9
S 14	18 19	10 30 2 10	5 25 9	2 38 27 3	9 4 16	3 49	1 34	18 7	0 48	22 42		22 22	0 28	19 56	0 29				19 55	1 15	11 27	0 9
M15	18 35	15 16 1 13	3 25 10	2 34 27 3	5 4 13	3 35	1 35	18 10	0 48	22 41		22 21	0 28		0 29				19 54	1 18	11 26	0 9
T 16			5 25 9	2 28 27 3	-	3 22	1 35	-	0 48			22 21	0 28		0 29				19 54		11 25	0 9
W17	19 4	22 56 1s 2		2 22 27 2		3 9		18 17		22 41		22 21		19 56	0 29				19 53		11 24	0 9
T 18	19 19		3 25 0	2 15 27 2		2 55		18 20		22 41		22 20		19 56	0 29				19 52	-	11 23	0 9
F 19	19 33		24 53	2 6 27 1		2 42		18 23		22 40		22 20		19 56	0 29				19 52		11 22	0 9
S 20	19 46	26 12 4	1 24 43	1 56 27 1	2 3 56	2 28	1 36	18 26	0 47	22 40	0 29	22 19	0 28	19 56	0 29	11 41	17 8	19 51	19 51	1 34	11 21	0 10
S 21	20 0	24 28 4 4	2 24 31	1 44 27	6 3 51	2 15	1 37	18 30	0 47	22 40	0 29	22 19	0 28	19 57	0 29	11 41	17 7	19 51	19 50	1 37	11 20	0 10
M22	20 13	21 21 5	3 24 17	1 31 27	0 3 46	2 2	1 37	18 33	0 47	22 40	0 29	22 19	0 28	19 57	0 29	11 41	17 7	19 51	19 50	1 40	11 19	0 10
T 23	20 25	17 0 5 1	7 24 0	1 16 26 5	3 40	1 49	1 37	18 36	0 47	22 39	0 29	22 18	0 28	19 57	0 29	11 41	17 7	19 51	19 49	1 43	11 18	0 10
W24	20 37	11 40 5	3 23 40	0 59 26 4	6 3 35	1 35	1 38	18 39	0 47	22 39	0 29	22 18	0 28	19 57	0 29	11 41	17 6	19 51	19 48	1 46	11 17	0 10
T 25	20 49	5 38 4 4	1 23 17	0 42 26 3	9 3 28	1 22	1 38	18 42	0 47	22 39	0 28	22 17	0 28	19 57	0 29	11 41	17 6	19 51	19 47	1 50	11 17	0 10
F 26	21 0	0n48 3 5:	5 22 52	0 23 26 3	1 3 22	1 9	1 39	18 45	0 47	22 38	0 28	22 17	0 28	19 57	0 29	11 41	17 6	19 51	19 47	1 53	11 16	0 10
S 27	21 11	7 16 2 5	3 22 24	0 3 26 2	3 14	0 56	1 39	18 48	0 47	22 38	0 28	22 17	0 28	19 58	0 29	11 41	17 5	19 51	19 46	1 56	11 15	0 10
S 28	21 22	13 23 1 39	21 55	0n17 26 1	5 3 7	0 43	1 39	18 51	0 47	22 38	0 28	22 16	0 28	19 58	0 29	11 41	17 5	19 51	19 45	1 59	11 14	0 10
M29	21 32	18 44 0 20	21 24	0 38 26	6 2 59	0 30	1 40	18 54	0 47	22 37	0 28	22 16	0 28	19 58	0 29	11 41	17 5	19 51	19 45	2 2	11 13	0 10
T 30	21 s42	22n54 1n	1 20 s52	0n58 25 s5	7 2 s 5 0	0n17	1n40	18 s 5 7	0n47	$22\mathrm{s}37$	0n28	22 s15	0 s28	19n58	0 s29	11 s41	17s 5	19n51	19n44	2s 5	11n12	0s10

Julian Day Number = 2479973.5, Delta T = 83.88 sec Ecliptic obliquity = 23°25'50, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 25°49'40, Lahiri = 24°56'40

DECEMBER 2077 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	24	ħ	)ф(	并	В	R	Ω	Ç	ķ	Day
W 1	4 42 0	9 <b>x</b> <sup>1</sup> 25'16	23 <b>II</b> 58	7°R47	9 <b>궁</b> 3	3 <u>₽</u> 43	28 <b>M</b> <sub>-</sub> 15	9 <del>Z</del> 46	21 <b>ට</b> 1	28°R33	10°R 8	28°R40	28 <b>8</b> 3	13₽50	29°R41	W 1
T 2	4 45 57	10°26'03	7955	6×726	9°R 4	4°16	28°29	9°52	21° 4	28 K33 28 <b>9</b> 32	10 K 8	28 <b>8</b> 39	28° 0	13°57	29 K41 29 <b>Y</b> 39	T 2
F 3	4 49 54	11°26'52	21°29	5°11	9° 3	4°50	28°42	9°59	21° 7	28°31	10° 7	28°37	27°57	14° 4	29°37	F 3
S 4	4 53 50	12°27'42	4 <b>Ω</b> 40	4° 3	9° 0	5°23	28°55	10° 5	21°10	28°30	10° 7	28°35	27°54	14°10	29°35	S 4
					0054				-							
S 5	4 57 47	13°28'33	17°27	3° 3	8°54	5°57	29° 8	10°12	21°13	28°29 28°28	10° 6 10° 6	28°33	27°51	14°17	29°33	S 5
M 6 T 7	5 1 43 5 5 40	14°29'25 15°30'19	29°54	2°14 1°37	8°45 8°34	6°30 7°3	29°21 29°34	10°18 10°25	21°16 21°19	28°28 28°27		28°32 28°D31	27°48 27°44	14°24 14°30	29°31 29°30	M 6 T 7
W 8	5 5 40 5 9 36	16°31'14	12 m 5 24° 4	1°10	8°34 8°21	7°36	29°34 29°47	10°23	21°19 21°22	28°27 28°26	10° 5 10° 5	28°31	27°44 27°41	14°30	29°30 29°28	T 7 W 8
W 8	5 9 30 5 13 33	10°31°14 17°32'10	5 <b>₽</b> 56	0°55	8° 5	8° 9	0 <b>7</b> 0	10°32 10°38	21°25	28°24	10° 5	28°32	27°38	14°37	29°28 29°26	W 8
F 10	5 17 29	17 32 10 18°33'07	17°45	0°D51	7°47	8°41	0°13	10°45	21°28	28°23	10° 3	28°34	27°35	14°50	29°24	F 10
S 11	5 21 26	19°34'06	29°37	0°57	7°26	9°14	0°26	10°52	21°31	28°22	10° 4	28°36	27°32	14°57	29°23	S 11
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S 12	5 25 23	20°35'05	11 <b>M</b> .35	1°13	7° 4	9°47	0°39	10°59	21°35	28°21	10° 4	28°37	27°28	15° 4	29°21	S 12
M13	5 29 19	21°36'06	23°44	1°37	6°39	10°19	0°52	11° 5	21°38	28°19	10° 3	28°R38	27°25	15°10	29°20	M13
T 14	5 33 16	22°37'08	6 <b>×</b> <sup>7</sup> 5	2° 9	6°12	10°52	1° 5	11°12	21°41	28°18	10° 3	28°38	27°22	15°17	29°18	T 14
W15 T 16	5 37 12	23°38'11 24°39'14	18°41	2°48 3°33	5°43 5°13	11°24 11°56	1°18	11°19 11°26	21°44 21°48	28°17 28°16	10° 3 10° 3	28°37 28°34	27°19 27°16	15°24 15°30	29°17 29°16	W15 T 16
	5 41 9 5 45 5		1 <b>る</b> 32 14°38	4°24		11°36 12°28	1°31	11°26		28°14	10° 3	28°34 28°30	27°18	15°37	29°16 29°14	F 17
F 17 S 18	5 49 2	25°40'18 26°41'23	27°59	5°20	4°41 4° 8	12°28 13° 0	1°43 1°56	11°33	21°51 21°54	28°14 28°13	10° 3	28°25	27° 13	15°44	29°14 29°13	S 18
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S 19	5 52 59	27°42'28	11 <b>≈</b> 32	6°19	3°33	13°32	2° 9	11°47	21°57	28°11	10° 2	28°21	27° 6	15°50	29°12	S 19
M20	5 56 55	28°43'34	25°16	7°23	2°58	14° 4	2°21	11°54	22° 1	28°10	10° 2	28°16	27° 3	15°57	29°11	M20
T 21	6 0 52	29°44'39	9 <b>米</b> 9	8°29	2°22	14°35	2°34	12° 1	22° 4	28° 9	10° 2	28°13	27° 0	16° 4	29°10	T 21
W22	6 4 48	0 <b>ප්</b> 45'45	23°10	9°39	1°46	15° 7	2°46	12° 8	22° 7	28° 7	10° 2	28°12	26°57	16°10	29° 9	W22
T 23	6 8 45	1°46'51	7 <b>Υ</b> 16	10°51	1° 9	15°38	2°59	12°15	22°11	28° 6	10° 2	28°D12	26°54	16°17	29° 8	T 23
F 24	6 12 41	2°47'58	21°28	12° 5	0°32	16° 9	3°11	12°22	22°14	28° 4	10°D 2	28°13	26°50	16°24	29° 7	F 24
S 25	6 16 38	3°49'04	5 <b>8</b> 41	13°22	29 <b>×</b> 756	16°40	3°24	12°29	22°18	28° 3	10° 2	28°14	26°47	16°30	29° 6	S 25
S 26	6 20 34	4°50'11	19°56	14°39	29°21	17°11	3°36	12°36	22°21	28° 1	10° 2	28°15	26°44	16°37	29° 5	S 26
M27	6 24 31	5°51'17	4 <b>Ⅱ</b> 8	15°59	28°46	17°42	3°48	12°43	22°25	28° 0	10° 2	28°R15	26°41	16°44	29° 4	M27
T 28	6 28 28	6°52'24	18°14	17°20	28°12	18°13	4° 1	12°50	22°28	27°58	10° 2	28°14	26°38	16°51	29° 4	T 28
W29	6 32 24	7°53'32	29510	18°41	27°40	18°43	4°13	12°57	22°31	27°57	10° 2	28°10	26°34	16°57	29° 3	W29
T 30	6 36 21	8°54'39	15°52	20° 4	27° 9	19°14	4°25	13° 4	22°35	27°55	10° 3	28° 5	26°31	17° 4	29° 3	T 30
F 31	6 40 17	9 <b>ප</b> 55'46	299518	21 <b>×</b> 128	26 <b>₹</b> 40	19 <b>≏</b> 44	4 <b>₹</b> 37	13 <b>ਰ</b> 11	22 <b>る</b> 38	27953	10 <b>Y</b> 3	27 <b>8</b> 57	26 <b>8</b> 28	17 <b>≏</b> 11	29 <b>Υ</b> 2	F 31

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Julian Day Number = 2480003.5, Delta T = 83.91 sec Ecliptic obliquity =  $23^{\circ}25'49$ , Nutation = -  $0^{\circ}00'15$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $25^{\circ}49'44$ , Lahiri =  $24^{\circ}56'44$