

Astrodienst Ephemeris Tables for the year 1987

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 1987 00:00 UT

Day	Sid.t		7	×	0	71	٦,	+	₩),(D	0	Ω	-	K	Day
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T 1	6 40 27	10궁 1'13	22 궁 27	3 ठ 11	24M 5	24) (45	17 米 31	15 ₹ 23	23 ∡ 36	5 ਰ 41	9 M 28	16°R50	16 Y 30	49918	17°R23	T 1
F 2	6 44 24	11° 2'24	7 ≈ 37	4°45	24°59	25°27	17°40	15°30	23°39	5°43	9°29	16 Y 39	16°26	4°25	17 Ⅱ 19	F 2
S 3	6 48 20	12° 3'35	22°25	6°20	25°53	26° 9	17°50	15°36	23°43	5°46	9°30	16°30	16°23	4°32	17°16	S 3
S 4	6 52 17	13° 4'45	6 ¥ 45	7°55	26°48	26°51	18° 0	15°43	23°47	5°48	9°32	16°24	16°20	4°38	17°13	S 4
M 5	6 56 13	14° 5'56	20°35	9°30	27°43	27°33	18° 9	15°49	23°50	5°50	9°33	16°20	16°17	4°45	17°10	M 5
T 6	7 0 10	15° 7'06	3 Y 56	11° 5	28°39	28°15	18°19	15°56	23°53	5°53	9°34	16°19	16°14	4°52	17° 7	T 6
W 7	7 4 6	16° 8'15	16°50	12°41	29°35	28°56	18°30	16° 2	23°57	5°55	9°36	16°19	16°11	4°59	17° 4	W 7
T 8	7 8 3	17° 9'24	29°22	14°18	0 ∡ ³33	29°38	18°40	16° 9	24° 0	5°57	9°37	16°18	16° 7	5° 5	17° 1	T 8
F 9	7 12 0	18°10'33	11838	15°54	1°30	o Υ 20	18°50	16°15	24° 4	5°59	9°38	16°17	16° 4	5°12	16°58	F 9
S 10	7 15 56	19°11'41	23°42	17°32	2°28	1° 2	19° 1	16°22	24° 7	6° 1	9°39	16°13	16° 1	5°19	16°55	S 10
S 11	7 19 53	20°12'49	5 Ⅱ 38	19° 9	3°27	1°44	19°11	16°28	24°11	6° 4	9°40	16° 6	15°58	5°25	16°52	S 11
M12	7 23 49	21°13'57	17°30	20°47	4°26	2°26	19°22	16°34	24°14	6° 6	9°42	15°56	15°55	5°32	16°49	M12
T 13	7 27 46	22°15'04	29°21	22°26	5°26	3° 8	19°33	16°41	24°17	6° 8	9°43	15°44	15°52	5°39	16°46	T 13
W14	7 31 42	23°16'10	119914	24° 5	6°26	3°50	19°44	16°47	24°21	6°10	9°44	15°30	15°48	5°46	16°44	W14
T 15	7 35 39	24°17'16	23° 9	25°44	7°26	4°32	19°55	16°53	24°24	6°13	9°45	15°15	15°45	5°52	16°41	T 15
F 16	7 39 36	25°18'22	5 Ω 8	27°24	8°27	5°14	20° 6	16°59	24°27	6°15	9°46	15° 0	15°42	5°59	16°38	F 16
S 17	7 43 32	26°19'27	17°12	29° 5	9°28	5°56	20°17	17° 5	24°30	6°17	9°47	14°47	15°39	6° 6	16°36	S 17
S 18	7 47 29	27°20'32	29°22	0≈46	10°30	6°38	20°29	17°11	24°34	6°19	9°47	14°37	15°36	6°13	16°33	S 18
M19	7 51 25	28°21'36	11 mp 40	2°27	11°32	7°20	20°40	17°17	24°37	6°21	9°48	14°30	15°32	6°19	16°31	M19
T 20	7 55 22	29°22'40	24° 8	4° 9	12°34	8° 2	20°52	17°23	24°40	6°23	9°49	14°26	15°29	6°26	16°29	T 20
W21	7 59 18	0≈23'44	6 <u>₽</u> 49	5°51	13°37	8°44	21° 3	17°29	24°43	6°25	9°50	14°24	15°26	6°33	16°26	W21
T 22	8 3 15	1°24'47	19°47	7°34	14°40	9°25	21°15	17°35	24°46	6°28	9°51	14°D24	15°23	6°39	16°24	T 22
F 23	8 7 11	2°25'50	3M 5	9°17	15°43	10° 7	21°27	17°40	24°49	6°30	9°51	14°R24	15°20	6°46	16°22	F 23
S 24	8 11 8	3°26'52	16°45	11° 1	16°47	10°49	21°39	17°46	24°52	6°32	9°52	14°23	15°17	6°53	16°20	S 24
S 25	8 15 5	4°27'54	0 ₹ 50	12°45	17°51	11°31	21°51	17°52	24°55	6°34	9°53	14°21	15°13	7° 0	16°18	S 25
M26	8 19 1	5°28'56	15°20	14°29	18°55	12°13	22° 3	17°57	24°58	6°36	9°53	14°15	15°10	7° 6	16°16	M26
T 27	8 22 58	6°29'57	0ਰ11	16°13	20° 0	12°55	22°15	18° 3	25° 1	6°38	9°54	14° 8	15° 7	7°13	16°14	T 27
W28	8 26 54	7°30'57	15°17	17°57	21° 5	13°37	22°28	18° 8	25° 4	6°40	9°55	13°58	15° 4	7°20	16°12	W28
T 29	8 30 51	8°31'57	0≈27	19°41	22°10	14°18	22°40	18°14	25° 7	6°42	9°55	13°48	15° 1	7°27	16°10	T 29
F 30	8 34 47	9°32'56	15°32	21°24	23°15	15° 0	22°52	18°19	25°10	6°44	9°56	13°38	14°58	7°33	16° 8	F 30
S 31	8 38 44	10≈33'53	0) €22	23≈ 8	24 × ⁷ 21	15 Y 42	23 ¥ 5	18 ₹ 24	25 х 13	6 පි 46	9 M 56	13 Y 29	14 Y 54	79540	16 II 7	S 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1 F 2 S 3		22 53 4 40	24s34 1s1 24 37 1 1 24 38 1 2		2 s31 0 s28 2 13 0 27 1 55 0 25	5 59 1 12	21 11 1 29	23 24 0 7	22s19 1n 1 22 19 1 1 22 18 1 1	0n41 16n 8 0 41 16 8 0 41 16 9	6n37 6 33 6 29	6n29 28n24 6 28 28 24 6 27 28 24	17 10 5 42
S 4 M 5 T 6 W 7 T 8 F 9		5 45 2 11 0n34 1 5 6 39 0n 3 12 19 1 8 17 23 2 9	24 38 1 2 24 36 1 3 24 33 1 3 24 29 1 3 24 23 1 4 24 15 1 4	0 16 2 3 43 5 16 14 3 43 9 16 26 3 43 3 16 38 3 43 6 16 50 3 42	1 37 0 24 1 20 0 23 1 2 0 22 0 44 0 20 0 26 0 19 0 8 0 18	5 47 1 12 5 43 1 11 5 39 1 11 5 34 1 11 5 30 1 11	21 13 1 29 21 13 1 29 21 14 1 29 21 15 1 29 21 15 1 29	23 25 0 7 23 25 0 7 23 25 0 7 23 25 0 7	22 18 1 1 22 18 1 1	0 41 16 9 0 41 16 10 0 41 16 10 0 41 16 10 0 42 16 11 0 42 16 11	6 27 6 26 6 25 6 25 6 25 6 24	6 25 28 24 6 24 28 24 6 23 28 24 6 21 28 24 6 19 28 23	17 10 5 41 17 10 5 41 17 9 5 41 17 9 5 41 17 9 5 41 17 9 5 41
S 11 M12 T 13 W14 T 15 F 16	21 55 21 46 21 36 21 26 21 16 21 5	25 0 3 49 27 14 4 24 28 14 4 47 27 55 4 58 26 19 4 56	23 45 1 5 23 31 1 5 23 17 2 23 0 2 22 42 2	3 17 14 3 41 6 17 25 3 40	0n10 0 17 0 27 0 15 0 45 0 14 1 3 0 13 1 21 0 12 1 38 0 11 1 56 0 10 2 14 0 8	5 22 1 11 5 17 1 10 5 13 1 10 5 8 1 10 5 4 1 10 4 59 1 10	21 17 1 29 21 17 1 29 21 18 1 29 21 18 1 29 21 19 1 29 21 20 1 29	23 26 0 7 23 27 0 7	22 18 1 1 1 2 22 18 1 1 1 2 22 18 1 1 1 2 22 18 1 1 1 2 22 17 1 1 1 2 22 17 1 1 1 2 22 17 1 1 1 1	0 42 16 12 0 42 16 13 0 42 16 13 0 42 16 13 0 42 16 14 0 42 16 14 0 43 16 15 0 43 16 15	6 23 6 20 6 16 6 12 6 6 6 0 5 55 5 50	6 18 28 23 6 17 28 23 6 16 28 23 6 14 28 23 6 13 28 23 6 12 28 23 6 11 28 22 6 10 28 22	5 17 9 5 40 5 17 9 5 40 2 17 8 5 40
S 18 M19 T 20 W21 T 22 F 23 S 24	20 42 20 30 20 17 20 4 19 51 19 37 19 23	9 43 2 44 3 56 1 45 2s 6 0 40 8 11 0s29 14 4 1 37	21 39 2 21 15 2 20 50 2 20 23 2 19 54 2	6 18 32 3 32 6 18 42 3 30 6 18 52 3 28 5 19 2 3 26 4 19 11 3 24 2 19 21 3 21 0 19 29 3 19	2 31 0 7 2 49 0 6 3 6 0 5 3 24 0 4 3 41 0 3 3 59 0 2 4 16 0 1	4 50 1 10 4 46 1 9 4 41 1 9 4 36 1 9 4 32 1 9 4 27 1 9 4 22 1 9	21 21 1 29 21 22 1 29 21 22 1 29 21 22 1 29 21 23 1 30 21 23 1 30	23 27 0 7 23 27 0 7	22 17 1 1 22 16 1 1	0 43 16 16 0 43 16 16 0 44 16 17 0 44 16 17 0 44 16 18 0 44 16 18 0 45 16 19	5 46 5 43 5 41 5 41 5 41 5 40	6 8 28 22 6 7 28 22 6 6 28 22 6 5 28 22 6 3 28 21 6 2 28 21 6 1 28 21	2 17 8 5 39 2 17 8 5 39 2 17 8 5 38 17 8 5 38 17 8 5 38
	18 54 18 39 18 24 18 8 17 52	27 2 4 25 28 20 4 53 27 34 5 2 24 46 4 50 20 16 4 17	17 44 1 5 17 8 1 4 16 31 1 4 15 52 1 3	4 19 46 3 13 0 19 54 3 11 6 20 1 3 8 1 20 8 3 5	4 33	4 12 1 8 4 7 1 8 4 2 1 8 3 57 1 8 3 52 1 8	21 25 1 30 21 25 1 30 21 25 1 30 21 26 1 30 21 26 1 30	23 28 0 7 23 28 0 7	22 16 1 1 22 16 1 1	0 45 16 20 0 45 16 20 0 46 16 21 0 46 16 21 0 46 16 22 0 47 16 22 0 47 16n23	5 39 5 37 5 34 5 31 5 27 5 23 5n19	6 0 28 21 5 59 28 20 5 57 28 20 5 56 28 20 5 55 28 20 5 54 28 19 5n52 28n19	17 8 5 37 17 9 5 36

Julian Day Number = 2446796.5, Delta T = 55.32 sec Ecliptic obliquity = $23^{\circ}26'36$, Nutation = - $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}33'31$, Lahiri = $23^{\circ}40'32$

FEBRUARY 1987 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ)∤(卉	Р	n	ດ	Ç	ķ	Day
S 1	8 42 40	11≈34'50	14) (48	24≈50	25 × ⁷ 26	16 Y 24	23) 17	18 × 29	25 х 16	6 පි 48	9 M 56	13°R23	14 Y 51	79947	16°R 5	S 1
M 2	8 46 37	12°35'45	28°46	26°31	26°32	17° 6	23°30	18°35	25°19	6°50	9°57	13 Y 20	14°48	7°53	16 I I 3	M 2
T 3	8 50 34	13°36'39	12 Y 15	28°11	27°39	17°47	23°43	18°40	25°21	6°52	9°57	13°D19	14°45	8° 0	16° 2	T 3
W 4	8 54 30	14°37'32	25°17	29°50	28°45	18°29	23°56	18°45	25°24	6°54	9°57	13°20	14°42	8° 7	16° 1	W 4
T 5	8 58 27	15°38'23	7 8 55	1) 26	29°52	19°11	24° 9	18°50	25°27	6°55	9°58	13°20	14°38	8°14	15°59	T 5
F 6	9 2 23	16°39'13	20°14	3° 0	0 궁 58	19°53	24°22	18°54	25°29	6°57	9°58	13°R21	14°35	8°20	15°58	F 6
S 7	9 6 20	17°40'01	2 I I18	4°30	2° 5	20°34	24°35	18°59	25°32	6°59	9°58	13°19	14°32	8°27	15°57	S 7
S 8	9 10 16	18°40'48	14°14	5°57	3°12	21°16	24°48	19° 4	25°34	7° 1	9°58	13°16	14°29	8°34	15°56	S 8
M 9	9 14 13	19°41'34	26° 6	7°19	4°20	21°58	25° 1	19° 9	25°37	7° 3	9°58	13°10	14°26	8°40	15°55	M 9
T 10	9 18 9	20°42'18	7957	8°36	5°27	22°39	25°14	19°13	25°39	7° 5	9°58	13° 2	14°23	8°47	15°54	T 10
W11	9 22 6	21°43'01	19°50	9°48	6°35	23°21	25°27	19°18	25°42	7° 6	9°59	12°52	14°19	8°54	15°53	W11
T 12	9 26 3	22°43'42	1 Q 50	10°53	7°43	24° 3	25°41	19°22	25°44	7° 8	9°R59	12°42	14°16	9° 1	15°52	T 12
F 13	9 29 59	23°44'21	13°56	11°51	8°51	24°44	25°54	19°26	25°47	7°10	9°58	12°32	14°13	9° 7	15°52	F 13
S 14	9 33 56	24°44'59	26°11	12°40	9°59	25°26	26° 7	19°31	25°49	7°12	9°58	12°24	14°10	9°14	15°51	S 14
S 15	9 37 52	25°45'36	8 m /35	13°22	11° 7	26° 7	26°21	19°35	25°51	7°13	9°58	12°17	14° 7	9°21	15°50	S 15
M16	9 41 49	26°46'11	21° 8	13°54	12°16	26°49	26°34	19°39	25°53	7°15	9°58	12°12	14° 4	9°28	15°50	M16
T 17	9 45 45	27°46'45	3 ₾ 52	14°16	13°24	27°30	26°48	19°43	25°56	7°16	9°58	12°10	14° 0	9°34	15°50	T 17
W18	9 49 42	28°47'18	16°48	14°28	14°33	28°12	27° 2	19°47	25°58	7°18	9°58	12°D10	13°57	9°41	15°49	W18
T 19	9 53 38	29°47'49	29°58	14°R30	15°42	28°53	27°15	19°51	26° 0	7°20	9°58	12°11	13°54	9°48	15°49	T 19
F 20	9 57 35	0) (48′19	13 M 22	14°21	16°51	29°35	27°29	19°54	26° 2	7°21	9°57	12°12	13°51	9°54	15°49	F 20
S 21	10 1 32	1°48'48	27° 2	14° 2	18° 0	0 8 16	27°43	19°58	26° 4	7°23	9°57	12°R13	13°48	10° 1	15°49	S 21
S 22	10 5 28	2°49'16	10 ∡ 759	13°34	19° 9	0°57	27°57	20° 2	26° 6	7°24	9°57	12°13	13°44	10° 8	15°D49	S 22
M23	10 9 25	3°49'42	25°14	12°57	20°18	1°39	28°11	20° 5	26° 8	7°26	9°56	12°11	13°41	10°15	15°49	M23
T 24	10 13 21	4°50'07	9 ⋜ 43	12°12	21°28	2°20	28°25	20° 9	26°10	7°27	9°56	12° 8	13°38	10°21	15°49	T 24
W25	10 17 18	5°50'31	24°23	11°20	22°38	3° 1	28°39	20°12	26°11	7°28	9°55	12° 3	13°35	10°28	15°49	W25
T 26	10 21 14	6°50'53	9≈ 8	10°23	23°47	3°43	28°53	20°15	26°13	7°30	9°55	11°57	13°32	10°35	15°50	T 26
F 27	10 25 11	7°51'13	23°51	9°22	24°57	4°24	29° 7	20°19	26°15	7°31	9°54	11°52	13°29	10°41	15°50	F 27
S 28	10 29 7	8 ₩51'32	8 ∺ 23	8) 19	26중 7	5 8 5	29 米 21	20 × 22	26 ∡ 17	7 云 33	9 M 54	11 Y 48	13 Y 25	109548	15 Ⅱ 50	S 28

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S 1	17 s19	8 s 1 4 2 s 2 6	14s32 1s2	1 20 s26 2n56	6n33 0n 7	3 s42 1 s 8	21 s27 1n30	23 s29 0s 7	22s15 1n 1	0n47 16n23	5n17	5n51 28n19	17n 9 5s36
M 2	17 2	1 40 1 17	13 50 1 1	4 20 32 2 52	6 50 0 8	3 37 1 8	21 27 1 30	23 29 0 7	22 15 1 1	0 48 16 24	5 16	5 50 28 18	17 9 5 35
T 3	16 44	4n45 0 6	13 7 1	5 20 36 2 49	7 7 0 9	3 32 1 8	21 28 1 30	23 29 0 7	22 15 1 1	0 48 16 24	5 15	5 49 28 18	17 9 5 35
W 4	16 27	10 46 1n 4	12 24 0 5	6 20 41 2 46	7 24 0 10	3 27 1 7	21 28 1 30	23 29 0 7	22 15 1 1	0 49 16 25		5 48 28 18	
T 5			11 40 0 4		7 41 0 11	3 21 1 7		23 29 0 7	22 15 1 1	0 49 16 25		5 46 28 17	
F 6		20 46 3 4		4 20 48 2 39	7 57 0 12	3 16 1 7			22 15 1 1	0 50 16 26		5 45 28 17	
S 7	15 32	24 24 3 51	10 13 0 2	3 20 51 2 35	8 14 0 13	3 11 1 7	21 29 1 30	23 29 0 7	22 15 1 1	0 50 16 26	5 16	5 44 28 17	17 10 5 34
S 8	15 14	26 56 4 28	9 29 0 1	0 20 53 2 31	8 30 0 14	3 6 1 7	21 29 1 30	23 29 0 7	22 15 1 1	0 50 16 27	5 14	5 43 28 16	17 10 5 34
M 9	14 55	28 15 4 52	8 47 On	3 20 55 2 28	8 47 0 14	3 0 1 7	21 30 1 31	23 29 0 7	22 15 1 1	0 51 16 27	5 12	5 41 28 16	17 10 5 33
T 10	14 36	28 16 5 4	8 5 0 1	7 20 56 2 24	9 3 0 15	2 55 1 7	21 30 1 31	23 30 0 7	22 15 1 1	0 51 16 28	5 9	5 40 28 16	17 10 5 33
W11	14 16	26 58 5 3	7 25 0 3	2 20 57 2 20	9 19 0 16	2 50 1 7	21 30 1 31	23 30 0 7	22 14 1 1	0 52 16 28	5 5	5 39 28 15	17 11 5 33
T 12	13 56	24 27 4 49	6 46 0 4	7 20 57 2 16	9 36 0 17	2 44 1 7			22 14 1 1	0 52 16 29	-	5 38 28 15	
F 13	13 37	20 49 4 21	6 10 1	2 20 57 2 12	9 52 0 18	2 39 1 7	21 31 1 31	23 30 0 7	22 14 1 1	0 53 16 30	4 57	5 36 28 15	17 11 5 32
S 14	13 16	16 16 3 42	5 36 1 1	8 20 56 2 8	10 8 0 19	2 34 1 7	21 31 1 31	23 30 0 7	22 14 1 1	0 53 16 30	4 54	5 35 28 14	17 11 5 32
S 15	12 56	11 0 2 51	5 6 1 3	4 20 55 2 4	10 23 0 20	2 28 1 6	21 31 1 31	23 30 0 7	22 14 1 1	0 54 16 31	4 51	5 34 28 14	17 12 5 32
M16	12 36	5 13 1 51	4 39 1 5	0 20 53 2 0	10 39 0 20	2 23 1 6	21 32 1 31	23 30 0 7	22 14 1 1	0 54 16 31	4 50	5 33 28 13	17 12 5 31
T 17	12 15	0s51 0 45	4 16 2	6 20 50 1 56	10 55 0 21	2 17 1 6	21 32 1 31	23 30 0 7	22 14 1 1	0 55 16 32	4 49	5 32 28 13	17 12 5 31
	11 54	7 0 0s25	3 57 2 2	1 20 47 1 52	11 11 0 22	2 12 1 6	21 32 1 31	23 30 0 7	22 14 1 1	0 56 16 32	4 49	5 30 28 12	17 13 5 31
T 19	11 33	12 56 1 35			11 26 0 23	2 6 1 6	21 32 1 31	23 30 0 7	22 14 1 1	0 56 16 33	4 49	5 29 28 12	17 13 5 30
F 20	11 11	-			11 41 0 23				22 13 1 1	0 57 16 33		5 28 28 12	
S 21	10 50	23 3 3 39	3 28 3	2 20 35 1 40	11 57 0 24	1 55 1 6	21 33 1 31	23 31 0 7	22 13 1 1	0 57 16 34	4 50	5 27 28 11	17 13 5 30
S 22	10 28	26 29 4 26	3 29 3 1	4 20 29 1 36	12 12 0 25	1 50 1 6	21 33 1 31	23 31 0 7	22 13 1 1	0 58 16 34	4 50	5 25 28 11	17 14 5 29
M23	10 6	28 18 4 57	3 34 3 2	4 20 24 1 32	12 27 0 26	1 44 1 6	21 33 1 32	23 31 0 7	22 13 1 1	0 58 16 35	4 49	5 24 28 10	17 14 5 29
T 24	9 44	28 14 5 10	3 43 3 3	2 20 17 1 28	12 42 0 26	1 38 1 6	21 33 1 32	23 31 0 7	22 13 1 1	0 59 16 35	4 48	5 23 28 10	17 14 5 29
W25	9 22	26 13 5 3	3 57 3 3	8 20 10 1 24	12 57 0 27	1 33 1 6	21 33 1 32	23 31 0 7	22 13 1 1	1 0 16 36	4 46	5 22 28 9	17 15 5 28
T 26	9 0	22 25 4 36	4 15 3 4	1 20 3 1 20	13 12 0 28	1 27 1 6	21 34 1 32	23 31 0 7	22 13 1 1	1 0 16 36	4 44	5 20 28 9	17 15 5 28
F 27	8 38	17 13 3 51	4 37 3 4	3 19 54 1 15	13 26 0 29	1 21 1 6	21 34 1 32	23 31 0 8	22 13 1 1	1 1 16 37	4 42	5 19 28 8	17 16 5 28
S 28	8 s 1 5	11 s 5 2 s 5 2	5 s 1 3 n 4	2 19s46 1n11	13n41 0n29	1s16 1s 6	21 s34 1n32	23 s31 0s 8	22 s 13 1n 1	1n 1 16n37	4n40	5n18 28n 8	17n16 5 s27

 $\label{eq:Julian Day Number = 2446827.5, Delta\ T = 55.36\ sec} \\ Ecliptic\ obliquity = 23°26'36, Nutation = -0°00'03, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 24°33'36, Lahiri = 23°40'36 \\$

MARCH 1987 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ)∤(#	Р	ß	v	Ç	, k	Day
S 1	10 33 4	9 米 51'49	22) (39	7°R15	27 궁 17	5 8 46	29) 35	20 × 25	26 × 18	7 云 34	9°R53	11°R45	13 Y 22	10955	15 II 51	S 1
M 2	10 37 1	10°52'04	6 Y 33	6 ₩ 11	28°27	6°28	29°49	20°27	26°20	7°35	9 M 53	11°D43	13°19	11° 2	15°52	M 2
T 3	10 40 57	11°52'17	20° 3	5°10	29°37	7° 9	oΥ 3	20°30	26°21	7°36	9°52	11 Y 44	13°16	11°8	15°52	T 3
W 4	10 44 54	12°52'29	3 8 8	4°13	0≈47	7°50	0°17	20°33	26°23	7°38	9°51	11°45	13°13	11°15	15°53	W 4
T 5	10 48 50	13°52'38	15°51	3°20	1°57	8°31	0°32	20°36	26°24	7°39	9°51	11°46	13°10	11°22	15°54	T 5
F 6	10 52 47	14°52'45	28°15	2°32	3° 8	9°12	0°46	20°38	26°26	7°40	9°50	11°48	13° 6	11°29	15°55	F 6
S 7	10 56 43	15°52'50	10 Ⅱ 24	1°50	4°18	9°53	1° 0	20°41	26°27	7°41	9°49	11°R49	13° 3	11°35	15°56	S 7
S 8	11 0 40	16°52'54	22°22	1°15	5°29	10°34	1°14	20°43	26°28	7°42	9°48	11°49	13° 0	11°42	15°57	S 8
M 9	11 4 36	17°52'54	49915	0°46	6°39	11°15	1°29	20°45	26°30	7°43	9°47	11°48	12°57	11°49	15°58	M 9
T 10	11 8 33	18°52'53	16° 7	0°24	7°50	11°56	1°43	20°47	26°31	7°44	9°47	11°46	12°54	11°55	15°59	T 10
W11	11 12 30	19°52'50	28° 3	0° 8	9° 0	12°37	1°58	20°49	26°32	7°45	9°46	11°43	12°50	12° 2	16° 1	W11
T 12	11 16 26	20°52'44	10 N 6	29≈59	10°11	13°18	2°12	20°51	26°33	7°46	9°45	11°39	12°47	12° 9	16° 2	T 12
F 13	11 20 23	21°52'37	22°18	29°D57	11°22	13°59	2°26	20°53	26°34	7°47	9°44	11°36	12°44	12°16	16° 3	F 13
S 14	11 24 19	22°52'27	4 m 43	0 ∺ 1	12°33	14°40	2°41	20°55	26°35	7°48	9°43	11°33	12°41	12°22	16° 5	S 14
S 15	11 28 16	23°52'15	17°22	0°10	13°44	15°21	2°55	20°57	26°36	7°49	9°42	11°31	12°38	12°29	16° 7	S 15
M16	11 32 12	24°52'01	0 ჲ 14	0°26	14°55	16° 2	3°10	20°58	26°37	7°50	9°41	11°30	12°35	12°36	16° 8	M16
T 17	11 36 9	25°51'45	13°20	0°46	16° 6	16°42	3°24	21° 0	26°38	7°51	9°40	11°D29	12°31	12°43	16°10	T 17
W18	11 40 5	26°51'28	26°40	1°11	17°17	17°23	3°39	21° 1	26°38	7°51	9°39	11°30	12°28	12°49	16°12	W18
T 19	11 44 2	27°51'08	10ML12	1°42	18°28	18° 4	3°53	21° 2	26°39	7°52	9°37	11°31	12°25	12°56	16°14	T 19
F 20	11 47 58	28°50'47	23°55	2°16	19°39	18°45	4° 8	21° 3	26°40	7°53	9°36	11°32	12°22	13° 3	16°16	F 20
S 21	11 51 55	29°50'24	7 √ 49	2°55	20°51	19°25	4°22	21° 5	26°40	7°53	9°35	11°33	12°19	13° 9	16°18	S 21
S 22	11 55 52	0 Ƴ 49'59	21°52	3°37	22° 2	20° 6	4°37	21° 6	26°41	7°54	9°34	11°33	12°15	13°16	16°20	S 22
M23	11 59 48	1°49'33	6 ප 2	4°24	23°14	20°47	4°51	21° 6	26°41	7°55	9°33	11°R33	12°12	13°23	16°22	M23
T 24	12 3 45	2°49'05	20°17	5°13	24°25	21°27	5° 6	21° 7	26°42	7°55	9°31	11°33	12° 9	13°30	16°24	T 24
W25	12 741	3°48'35	4≈35	6° 6	25°36	22° 8	5°20	21° 8	26°42	7°56	9°30	11°32	12° 6	13°36	16°27	W25
T 26	12 11 38	4°48'04	18°53	7° 2	26°48	22°48	5°35	21° 8	26°43	7°56	9°29	11°32	12° 3	13°43	16°29	T 26
F 27	12 15 34	5°47'30	3 ∺ 6	8° 1	28° 0	23°29	5°49	21° 9	26°43	7°57	9°28	11°31	12° 0	13°50	16°31	F 27
S 28	12 19 31	6°46'55	17°10	9° 2	29°11	24° 9	6° 4	21° 9	26°43	7°57	9°26	11°30	11°56	13°56	16°34	S 28
S 29	12 23 27	7°46'17	1 Υ 2	10° 7	0 ∺ 23	24°50	6°18	21°10	26°43	7°58	9°25	11°30	11°53	14° 3	16°36	S 29
M30	12 27 24	8°45'38	14°38	11°13	1°35	25°30	6°33	21°10	26°44	7°58	9°24	11°D30	11°50	14°10	16°39	M30
T 31	12 31 21	9 Ƴ 44'57	27 Y 56	12) 22	2) (46	26811	6 Ƴ 47	21°R10	26 ₹ 44	7 云 58	9 M 22	11 Y 30	11 ° 47	149517	16 Ⅱ 42	T 31

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S 1 M 2 T 3 W 4 T 5 F 6 S 7 S 8 M 9 T 10	7 s52 7 30 7 7 6 44 6 21 5 57 5 34	4 s29 1 s42 2n10 0 28 8 32 0n45 14 21 1 55 19 24 2 56 23 28 3 48 26 26 4 28 28 9 4 56 28 34 5 11	5 s 27 3 n 4 1 5 5 5 3 3 3 2 6 5 2 3 2 2 7 2 0 3 1 1 7 4 8 2 5 8 1 4 2 4 4 8 3 9 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 19 s 37	n55	1s10 1s 6 1 4 1 6 0 59 1 5 0 53 1 5 0 47 1 5 0 36 1 5 0 30 1 5 0 25 1 5	21 s34	23 s31	22s13 In 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1 22 12 1 1	In 2 16n38 1 3 16 38 1 3 16 38 1 4 16 39 1 5 16 40 1 6 16 40 1 6 16 41 1 7 16 41 1 8 16 42	4n39 4 38 4 38 4 39 4 39 4 40 4 40 4 40 4 39	5n17 28n 7 5 15 28 7 5 14 28 6 5 13 28 5 5 12 28 5 5 11 28 4 5 9 28 4 5 8 28 3 5 7 28 3	17n16 5 s27 17 17 5 27 17 17 5 26 17 17 5 26 17 18 5 26 17 18 5 25 17 19 5 25 17 19 5 25 17 20 5 24 17 20 5 24
W11 T 12 F 13 S 14	3 37 3 13 2 50	25 28 5 1 22 9 4 36 17 50 3 59 12 43 3 9	10 13 1 2 10 25 1	6 17 20 0 23 16 2 17 4 0 19 16 8 16 48 0 15 16		On 4 1 5	21 35 1 33 21 35 1 33 21 35 1 33	23 32 0 8 23 32 0 8	22 12 1 1 22 12 1 1 22 11 1 1	1 8 16 42 1 9 16 42 1 10 16 43 1 10 16 43	4 38 4 37 4 35 4 34	5 3 28 1 5 2 28 0 5 1 27 59	
S 15 M16 T 17 W18 T 19 F 20 S 21	0 28	0 51 1 2 5s25 0s10 11 34 1 23 17 17 2 32 22 12 3 34	10 47 0 20 10 51 0 1 10 52 0	0 16 15 0 8 17 6 15 57 0 4 17 3 15 39 0 0 17 1 15 21 0s 3 17 1 15 2 0 7 18	16 0 39 28 0 40 40 0 41 52 0 41 4 0 42	0 16 1 5	21 35 1 33 21 35 1 34 21 35 1 34 21 35 1 34 21 35 1 34	23 32 0 8 23 32 0 8 23 32 0 8 23 32 0 8	22 11 1 2 22 11 1 2 22 11 1 2 22 11 1 2 22 11 1 2	1 11 16 44 1 12 16 44 1 12 16 44 1 13 16 45 1 14 16 45 1 15 16 46	4 33 4 33 4 33 4 33 4 34 4 34	4 59 27 59 4 58 27 58 4 57 27 57 4 56 27 57 4 54 27 56 4 53 27 55 4 52 27 55	17 23 5 22 17 23 5 22 17 24 5 21 17 24 5 21 17 25 5 21
S 22 M23 T 24 W25 T 26 F 27 S 28	0 44 1 7 1 31 1 54	28 33 5 15 27 4 5 13 23 50 4 51 19 9 4 12 13 26 3 17 7 5 2 11	10 4 1 1 9 51 1 2 9 35 1 3	5 14 3 0 18 18 5 13 43 0 21 18 5 13 22 0 24 19 4 13 1 0 28 19 3 12 39 0 31 19 1 12 17 0 34 19	39 0 43 50 0 44 1 0 44 12 0 45 23 0 45 33 0 46	0 56 1 5 1 2 1 5 1 8 1 5 1 13 1 5 1 19 1 5 1 25 1 5	21 35 1 34 21 35 1 34 21 35 1 34 21 35 1 34 21 35 1 35 21 34 1 35	23 32 0 8 23 32 0 8	22 11 1 2 22 11 1 2	1 16 16 46 1 17 16 46 1 17 16 47 1 18 16 47 1 19 16 47 1 19 16 48 1 20 16 48	4 34 4 34 4 34 4 34 4 33 4 33	4 48 27 53 4 47 27 52 4 46 27 51 4 45 27 50 4 43 27 50	17 26 5 20 17 27 5 20 17 27 5 19 17 28 5 19 17 29 5 19 17 29 5 18
S 29 M30 T 31	3 5 3 28 3n52	0 28 0 58 6n 2 0n17 12n 8 1n30	8 59 1 4	8 11 55 0 37 19 6 11 32 0 40 19 2 11s 9 0s43 20	54 0 47	1 36 1 5	21 34 1 35	23 32 0 8	22 11 1 2 22 10 1 2 22 s10 1n 2	1 21 16 48 1 21 16 49 1n22 16n49	4 33 4 33 4n33	4 42 27 49 4 41 27 48 4n40 27n47	17 30 5 18

Julian Day Number = 2446855.5, Delta T = 55.40 sec Ecliptic obliquity = $23^{\circ}26'37$, Nutation = - $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}33'39$, Lahiri = $23^{\circ}40'40$

APRIL 1987 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	♂	4	ħ)∤(卉	Р	S.	v	Ç	ķ	Day
W 1	12 35 17	10 Y 44'13	10856	13) (33	3 ∺ 58	26 8 51	7 Υ 2	21°R10	26°R44	7 궁 59	9°R21	11 Y 30	11 Y 44	149523	16 Ⅱ 45	W 1
T 2	12 39 14	11°43'27	23°37	14°46	5°10	27°31	7°16	21 × 10	26 × 744	7°59	9 M .19	11°R30	11°41	14°30	16°47	T 2
F 3	12 43 10	12°42'40	6 II 2	16° 1	6°22	28°12	7°31	21° 9	26°44	7°59	9°18	11°30	11°37	14°37	16°50	F 3
S 4	12 47 7	13°41'49	18°13	17°19	7°34	28°52	7°45	21° 9	26°43	8° 0	9°16	11°30	11°34	14°44	16°53	S 4
S 5	12 51 3	14°40'57	0ഇ13	18°38	8°45	29°32	8° 0	21° 9	26°43	8° 0	9°15	11°30	11°31	14°50	16°56	S 5
M 6	12 55 0	15°40'02	12° 8	19°59	9°57	0 Ⅱ 12	8°14	21° 8	26°43	8° 0	9°13	11°D30	11°28	14°57	16°59	M 6
T 7	12 58 56	16°39'05	24° 1	21°22	11° 9	0°53	8°29	21° 7	26°43	8° 0	9°12	11°30	11°25	15° 4	17° 2	T 7
W 8	13 2 53	17°38'06	5 Ω 57	22°46	12°21	1°33	8°43	21° 7	26°42	8° 0	9°10	11°30	11°21	15°10	17° 6	W 8
T 9	13 6 50	18°37'05	18° 1	24°12	13°33	2°13	8°58	21° 6	26°42	8° 0	9° 9	11°30	11°18	15°17	17° 9	T 9
F 10	13 10 46	19°36'01	0 Mp 17	25°40	14°45	2°53	9°12	21° 5	26°42	8°R 0	9° 7	11°31	11°15	15°24	17°12	F 10
S 11	13 14 43	20°34'54	12°48	27°10	15°57	3°33	9°26	21° 4	26°41	8° 0	9° 6	11°32	11°12	15°31	17°16	S 11
S 12	13 18 39	21°33'46	25°36	28°41	17° 9	4°13	9°41	21° 3	26°41	8° 0	9° 4	11°33	11° 9	15°37	17°19	S 12
M13	13 22 36	22°32'35	8 ≏ 45	0 Υ 14	18°21	4°53	9°55	21° 2	26°40	8° 0	9° 2	11°R33	11° 6	15°44	17°23	M13
T 14	13 26 32	23°31'23	22°12	1°49	19°34	5°33	10° 9	21° 0	26°39	8° 0	9° 1	11°33	11° 2	15°51	17°26	T 14
W15	13 30 29	24°30'08	5 M .57	3°25	20°46	6°13	10°24	20°59	26°39	8° 0	8°59	11°32	10°59	15°57	17°30	W15
T 16	13 34 25	25°28'52	19°57	5° 2	21°58	6°53	10°38	20°58	26°38	8° 0	8°58	11°31	10°56	16° 4	17°33	T 16
F 17	13 38 22	26°27'34	4 √ 8	6°42	23°10	7°33	10°52	20°56	26°37	7°59	8°56	11°29	10°53	16°11	17°37	F 17
S 18	13 42 19	27°26'14	18°26	8°23	24°22	8°13	11° 6	20°54	26°36	7°59	8°54	11°27	10°50	16°18	17°41	S 18
S 19	13 46 15	28°24'52	2 궁 47	10° 5	25°35	8°53	11°21	20°53	26°36	7°59	8°53	11°25	10°47	16°24	17°45	S 19
M20	13 50 12	29°23'29	17° 6	11°50	26°47	9°33	11°35	20°51	26°35	7°59	8°51	11°24	10°43	16°31	17°48	M20
T 21	13 54 8	0822'04	1≈20	13°35	27°59	10°12	11°49	20°49	26°34	7°58	8°49	11°D24	10°40	16°38	17°52	T 21
W22	13 58 5	1°20'37	15°26	15°23	29°11	10°52	12° 3	20°47	26°33	7°58	8°48	11°24	10°37	16°45	17°56	W22
T 23	14 2 1	2°19'09	29°24	17°12	o Υ 24	11°32	12°17	20°45	26°32	7°57	8°46	11°25	10°34	16°51	18° 0	T 23
F 24	14 5 58	3°17'39	13 ∺ 12	19° 3	1°36	12°12	12°31	20°42	26°31	7°57	8°44	11°27	10°31	16°58	18° 4	F 24
S 25	14 9 54	4°16'08	26°49	20°55	2°48	12°51	12°45	20°40	26°29	7°57	8°43	11°28	10°27	17° 5	18° 8	S 25
S 26	14 13 51	5°14'34	10 Y 13	22°49	4° 1	13°31	12°59	20°38	26°28	7°56	8°41	11°R29	10°24	17°11	18°12	S 26
M27	14 17 48	6°12'59	23°26	24°45	5°13	14°11	13°13	20°35	26°27	7°56	8°39	11°28	10°21	17°18	18°17	M27
T 28	14 21 44	7°11'23	6 8 25	26°43	6°26	14°50	13°27	20°33	26°26	7°55	8°38	11°26	10°18	17°25	18°21	T 28
W29	14 25 41	8° 9'44	19°10	28°42	7°38	15°30	13°41	20°30	26°24	7°54	8°36	11°23	10°15	17°32	18°25	W29
T 30	14 29 37	9 8 8'04	1 Ⅱ 42	0 8 42	8 Υ 51	16 II 10	13 Y 55	20 × 27	26 × ⁷ 23	7 궁 54	8 M .34	11 Y 19	10 Y 12	17938	18Ⅲ29	T 30

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	decl	decl lat	decl lat	decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl la	ıt	decl lat	decl	decl	decl	decl l	at
W 1	4n15	17n35 2n36	8 8 8 17 1 s	58 10s46	0s46 20n14	0n48	1n48	1 s 5	21 s34	1n35	23 s32	0s 8	22 s10	1n 2	1n23 16n49	4n33	4n38	27n47	17n31	5 s 1 7
T 2	4 38	22 7 3 33	7 54 2	4 10 23	0 49 20 24	0 48	1 53	1 5	21 34	1 35	23 32	0 8	22 10	1 2	1 23 16 49	4 33	4 37	27 46	17 32	5 17
F 3	5 1	25 33 4 18	3 7 30 2	9 9 59	0 52 20 33	0 49	1 59	1 5	21 34	1 35	23 32	0 8	22 10	1 2	1 24 16 50	4 33	4 36	27 45	17 32	5 17
S 4	5 24	27 45 4 5	7 4 2	14 9 34	0 54 20 42	0 49	2 5	1 5	21 34	1 35	23 32	0 8	22 10	1 2	1 25 16 50	4 33	4 35	27 44	17 33	5 16
S 5	5 47	28 37 5 1	6 37 2	18 9 10	0 57 20 52	0 50	2 11	1 5	21 34	1 35	23 32	0 8	22 10	1 2	1 25 16 50	4 33	4 33	27 43	17 33	5 16
M 6	6 10	28 9 5 1	6 8 2	21 8 45	0 59 21 1	0 50	2 16	1 5	21 34	1 35	23 32	0 8	22 10	1 2	1 26 16 50	4 33	-	27 42		5 16
T 7	6 33	26 23 5 9	5 38 2	25 8 20	1 2 21 10	0 50	2 22	1 5	21 33	1 36	23 32	0 8	22 10	1 2	1 26 16 50	4 33	4 31	27 42	17 35	5 16
W 8	6 55	23 27 4 48	3 5 7 2	27 7 55	1 4 21 18	0 51	2 28	1 5		1 36		0 8		1 2	1 27 16 51	4 33		27 41		5 15
T 9		19 28 4 1:		29 7 30	1 7 21 27	0 51	2 33	1 5		1 36				1 2	1 28 16 51	4 33		27 40		5 15
F 10		14 38 3 29		31 7 4	1 9 21 35		2 39		21 33		23 32			1 2	1 28 16 51	4 33		27 39		5 15
S 11	8 2	9 6 2 33	3 27 2	32 6 38	1 11 21 43	0 52	2 44	1 5	21 33	1 36	23 32	0 8	22 10	1 2	1 29 16 51	4 34	4 26	27 38	17 37	5 15
S 12	8 24	3 5 1 2		32 6 12	1 13 21 51		2 50	1 5			23 32		-	1 2	1 30 16 51	4 34		27 37		5 14
M13	8 46	3 s 1 4 0 1 6		32 5 46	1 16 21 59		2 56	1 5			23 32			1 2	1 30 16 51	4 34	-	27 36		5 14
T 14	9 8	9 33 0s59		32 5 19	1 18 22 6	0 53	3 1	1 5	_		23 32			1 2	1 31 16 52	_		27 36		5 14
W15		15 34 2 1		31 4 53	1 19 22 14		3 7	1 5	_		23 32	0 8		1 2	1 31 16 52	4 34		27 35		5 14
T 16		20 53 3 10		30 4 26	1 21 22 21	0 54	3 12	1 5	_		23 32			1 2	1 32 16 52	4 33		27 34		5 13
F 17		25 5 4 1		28 3 59	1 23 22 28		3 18	1 6		1 36				1 2	1 33 16 52	4 33		27 33		5 13
S 18	10 34	27 46 4 50	0 1 6 2	25 3 32	1 25 22 35		3 23	1 6	21 32	1 36	23 32	0 8	22 10	1 2	1 33 16 52	4 32	4 1/	27 32	1/41	5 13
S 19		28 36 5 12		22 3 5	1 26 22 42		3 29	1 6	_		23 32			1 2	1 34 16 52	_	-	27 31		5 13
M20	-	27 32 5 14		18 2 37	1 28 22 48		3 34	1 6	_	1 37				1 2	1 34 16 52	_	-	27 30		5 13
T 21	11 36	_		14 2 10	1 29 22 54			1 6	_		23 32			1 2	1 35 16 52		4 13		17 42	5 12
W22	11 57			10 1 43	1 31 23 0		3 45	1 6	_		23 32			1 2	1 35 16 52		4 12		17 43	5 12
T 23		14 59 3 3		5 1 15	1 32 23 6	0 56	3 51	1 6	_		23 32			1 2	1 36 16 52	_		27 27		5 12
F 24	12 37	8 54 2 29		59 0 47	1 33 23 12		3 56	1 6			23 32		-	1 3	1 36 16 52			27 26		5 12
S 25	12 57	2 29 1 20	6 25 1	53 0 20	1 34 23 17	0 57	4 2	1 6	21 30	1 3/	23 32	0 8	22 10	1 3	1 37 16 52	4 32	4 8	27 25	1 / 44	5 12
S 26	13 16	3n57 0	7 14 1	47 0n 8	1 35 23 23		4 7	1 6			23 32	0 8	-	1 3	1 38 16 52	4 32		27 24	17 45	5 11
M27	13 36	10 7 ln :		40 0 36	1 36 23 28	0 58	4 12	1 6		1 37				1 3	1 38 16 52				17 45	5 11
T 28		15 45 2 13		32 1 4	1 37 23 33		4 18	1 6		1 37			-	1 3	1 39 16 52	_		27 22		5 11
W29	14 14			24 1 32	1 38 23 37	0 58	4 23	1 6			23 32			1 3	1 39 16 52		_	27 21		5 11
T 30	14n33	24n26 4n	10n32 1s	s16 2n 0	1 s39 23n42	0n59	4n28	1s 6	21 s29	1n37	23 s32	0s 9	22 s10	1n 3	1n39 16n52	4n29	4n 2	27n20	17n47	5 s11

 $\label{eq:Julian Day Number = 2446886.5, Delta\ T=55.44\ sec} \\ Ecliptic\ obliquity = 23°26'37, Nutation = -0°00'04, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 24°33'44, Lahiri = 23°40'44 \\$

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	Р	r	v	Ç	Ŗ	Day
F 1	14 33 34	10 8 6'21	14 I I 2	2 8 44	10 ° 3	16 Ⅱ 49	14 Y 8	20°R25	26°R22	7°R53	8°R32	11°R14	10 Y 8	179345	18 耳 34	F 1
S 2	14 37 30	11° 4'37	26°10	4°48	11°15	17°29	14°22	20 х 22	26 ₮ 20	7 궁 52	8 M .31	11 Y 9	10° 5	17°52	18°38	S 2
S 3	14 41 27	12° 2'51	8 9 9	6°53	12°28	18° 8	14°36	20°19	26°19	7°52	8°29	11° 5	10° 2	17°59	18°42	S 3
M 4	14 45 23	13° 1'03	20° 3	8°59	13°40	18°48	14°50	20°16	26°17	7°51	8°27	11° 1	9°59	18° 5	18°47	M 4
T 5	14 49 20	13°59'13	1 N 56	11° 7	14°53	19°27	15° 3	20°13	26°16	7°50	8°26	10°59	9°56	18°12	18°51	T 5
W 6	14 53 17	14°57'21	13°51	13°15	16° 5	20° 7	15°17	20°10	26°14	7°49	8°24	10°D58	9°53	18°19	18°56	W 6
T 7	14 57 13	15°55'27	25°53	15°24	17°18	20°46	15°30	20° 6	26°12	7°49	8°22	10°59	9°49	18°25	19° 0	T 7
F 8	15 1 10	16°53'31	8 Mp 8	17°34	18°31	21°25	15°44	20° 3	26°11	7°48	8°21	11° 0	9°46	18°32	19° 5	F 8
S 9	15 5 6	17°51'33	20°40	19°45	19°43	22° 5	15°57	20° 0	26° 9	7°47	8°19	11° 2	9°43	18°39	19°10	S 9
S 10	15 9 3	18°49'33	3 ₾ 32	21°55	20°56	22°44	16°10	19°56	26° 7	7°46	8°17	11° 3	9°40	18°46	19°14	S 10
M11	15 12 59	19°47'32	16°48	24° 5	22° 8	23°23	16°24	19°53	26° 5	7°45	8°16	11°R 3	9°37	18°52	19°19	M11
T 12	15 16 56	20°45'29	0 M 29	26°15	23°21	24° 3	16°37	19°49	26° 4	7°44	8°14	11° 1	9°33	18°59	19°24	T 12
W13	15 20 52	21°43'24	14°34	28°25	24°33	24°42	16°50	19°46	26° 2	7°43	8°12	10°58	9°30	19° 6	19°29	W13
T 14	15 24 49	22°41'17	28°59	0 Ⅲ 33	25°46	25°21	17° 3	19°42	26° 0	7°42	8°11	10°53	9°27	19°12	19°33	T 14
F 15	15 28 46	23°39'09	13 × 38	2°40	26°59	26° 0	17°16	19°38	25°58	7°41	8° 9	10°47	9°24	19°19	19°38	F 15
S 16	15 32 42	24°37'00	28°24	4°45	28°11	26°40	17°29	19°35	25°56	7°40	8° 8	10°40	9°21	19°26	19°43	S 16
S 17	15 36 39	25°34'49	13 る 9	6°49	29°24	27°19	17°42	19°31	25°54	7°39	8° 6	10°34	9°18	19°33	19°48	S 17
M18	15 40 35	26°32'38	27°46	8°51	0 8 37	27°58	17°55	19°27	25°52	7°38	8° 4	10°29	9°14	19°39	19°53	M18
T 19	15 44 32	27°30'25	12 ∞ 9	10°50	1°49	28°37	18° 8	19°23	25°50	7°37	8° 3	10°27	9°11	19°46	19°58	T 19
W20	15 48 28	28°28'11	26°17	12°48	3° 2	29°16	18°20	19°19	25°48	7°36	8° 1	10°D25	9° 8	19°53	20° 3	W20
T 21	15 52 25	29°25'55	10 米 7	14°42	4°15	29°55	18°33	19°15	25°46	7°35	8° 0	10°26	9° 5	20° 0	20° 8	T 21
F 22	15 56 21	0 Ⅲ 23'39	23°40	16°34	5°27	0934	18°46	19°11	25°44	7°33	7°58	10°27	9° 2	20° 6	20°13	F 22
S 23	16 0 18	1°21'22	6 Ƴ 57	18°23	6°40	1°13	18°58	19° 7	25°42	7°32	7°57	10°R28	8°59	20°13	20°18	S 23
S 24	16 4 15	2°19'03	20° 0	20°10	7°53	1°52	19°11	19° 3	25°39	7°31	7°55	10°27	8°55	20°20	20°23	S 24
M25	16 8 11	3°16'43	2 8 51	21°53	9° 6	2°31	19°23	18°59	25°37	7°30	7°54	10°25	8°52	20°26	20°28	M25
T 26	16 12 8	4°14'23	15°30	23°33	10°18	3°10	19°35	18°54	25°35	7°28	7°52	10°20	8°49	20°33	20°33	T 26
W27	16 16 4	5°12'01	27°59	25°11	11°31	3°49	19°48	18°50	25°33	7°27	7°51	10°13	8°46	20°40	20°38	W27
T 28	16 20 1	6° 9'38	10 Ⅱ 18	26°45	12°44	4°28	20° 0	18°46	25°30	7°26	7°49	10° 4	8°43	20°47	20°43	T 28
F 29	16 23 57	7° 7'14	22°28	28°16	13°57	5° 7	20°12	18°42	25°28	7°24	7°48	9°54	8°39	20°53	20°48	F 29
S 30	16 27 54	8° 4'49	4931	29°44	15°10	5°46	20°24	18°37	25°26	7°23	7°46	9°43	8°36	21° 0	20°53	S 30
S 31	16 31 51	9Ⅱ 2'23	16927	195 9	16822	6925	20 Y 36	18 × 33	25 ∡ 124	7 云 22	7 M 45	9 Υ 33	8 Y 33	2195 7	20耳58	S 31

Day	0	D	ğ	Q	♂	4	ħ)Å(并	Р	n	U ţ	ķ
	decl	decl lat	decl lat	decl lat d	ecl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
F 1 S 2	14n51 15 9		3 11n22 1s 3 12 13 0 58						22 s10 1n 3 22 10 1 3	1n40 16n52 1 40 16 52	4n27 4 25	4n 1 27n19 4 0 27 18	
S 3 M 4 T 5 W 6 T 7 F 8	16 2	27 1 5 8 24 28 4 51 20 51 4 22 16 22 3 41	3 13 53 0 39 14 43 0 28 15 32 0 18 16 20 0 8	9 3 51 1 41 23 8 4 18 1 41 24 8 4 46 1 42 24 8 5 14 1 42 24 3 5 41 1 42 24	58 1 0 1 1 0 5 1 0 8 1 1 11 1 1	4 44 1 7 4 49 1 7 4 54 1 7 4 59 1 7 5 5 1 7 5 10 1 7	21 28 1 37 21 28 1 37 21 28 1 37 21 28 1 37 21 27 1 37 21 27 1 37	23 32 0 9 23 32 0 9 23 32 0 9 23 32 0 9 23 32 0 9	22 10 1 3 22 10 1 3 22 10 1 3 22 10 1 3	1 41 16 52 1 41 16 52 1 42 16 52 1 42 16 52 1 43 16 52 1 43 16 52	4 23 4 22 4 21 4 20 4 21 4 21	3 55 27 14 3 53 27 13 3 52 27 12	17 49 5 10 17 50 5 10 17 50 5 10 17 51 5 10 17 51 5 10
S 9 S 10 M11 T 12 W13 T 14 F 15	18 41	0s47 0 41 7 5 0s31 13 16 1 44 18 56 2 52 23 40 3 50 26 59 4 35	20 2 0 43 2 20 42 0 53 0 21 19 1 4 5 21 54 1 13	4 6 36 1 42 24 4 7 3 1 42 24 5 7 30 1 42 24 5 7 57 1 41 24 4 8 23 1 41 24 3 8 50 1 41 24	16 1 1 18 1 2 20 1 2 22 1 2 24 1 2 26 1 3	5 20 1 7 5 25 1 7 5 30 1 7 5 35 1 7 5 40 1 8 5 44 1 8	21 26 1 38 21 26 1 38 21 26 1 38 21 26 1 38 21 25 1 38 21 25 1 38	23 32 0 9 23 32 0 9	22 10 1 3 22 10 1 3 22 10 1 3 22 10 1 3	1 43 16 52 1 44 16 52 1 44 16 51 1 44 16 51 1 45 16 51 1 45 16 51	4 22 4 22 4 22 4 22 4 20 4 18 4 16	3 48 27 9 3 47 27 7 3 46 27 6 3 45 27 5 3 44 27 4	17 52 5 9 17 53 5 9 17 53 5 9 17 53 5 9 17 54 5 9 17 54 5 9
S 16 S 17 M18 T 19 W20 T 21 F 22 S 23	19 10 19 23	25 25 4 54 21 21 4 22 16 8 3 35 10 11 2 36 3 53 1 29	22 56 1 36 23 24 1 38 2 23 48 1 43 5 24 11 1 5 2 24 30 1 5 2 24 47 2 2	0 9 42 1 40 24 8 10 8 1 39 24 5 10 34 1 38 24 1 11 0 1 38 24	28 1 3 29 1 3 30 1 4 30 1 4 31 1 4	5 54 1 8 5 59 1 8 6 4 1 8 6 8 1 8 6 13 1 8 6 18 1 8	21 24 1 38 21 23 1 38 21 23 1 38	23 32 0 9 23 32 0 9 23 31 0 9 23 31 0 9 23 31 0 9 23 31 0 9	22 11 1 3 22 11 1 3 22 11 1 3	1 46 16 51 1 46 16 50 1 46 16 50 1 46 16 50 1 47 16 50 1 47 16 49 1 47 16 49 1 47 16 49	4 13 4 11 4 9 4 8 4 8 4 8 4 8 4 9	3 41 27 2	17 57 5 8 17 57 5 8 17 57 5 8
S 24 M25 T 26 W27 T 28 F 29 S 30	20 38 20 49 21 0 21 10 21 20 21 30 21 40	8 37 0n51 14 18 1 57 19 18 2 56 23 23 3 46 26 21 4 24 28 3 4 50 28 24 5 3	25 14 2 9 7 25 23 2 12 5 25 31 2 14 5 25 36 2 14 2 25 39 2 13 2 25 39 2 12	9 12 40 1 34 24 2 13 4 1 33 24 4 13 28 1 32 24 4 13 51 1 30 24 5 14 15 1 29 24	30 1 5 30 1 5 29 1 5 28 1 5 27 1 5 26 1 5 25 1 6	6 27 1 9 6 32 1 9 6 36 1 9 6 41 1 9 6 45 1 9 6 54 1 10	21 22 1 38 21 22 1 38 21 22 1 38 21 21 1 37 21 21 1 37 21 21 1 37 21 20 1 37	23 31 0 9 23 31 0 9	22 11 1 3 22 11 1 3 22 11 1 3 22 11 1 3	1 48 16 49 1 48 16 48 1 48 16 48 1 48 16 48 1 48 16 47 1 48 16 47 1 49 16 47 1n49 16n47	4 8 4 7 4 6 4 3 3 59 3 55 3 51 3n47	3 32 26 53 3 31 26 52 3 30 26 51 3 28 26 50 3 27 26 49 3 26 26 47 3 25 26 46 3n23 26n45	17 58 5 8 17 59 5 8 17 59 5 8 17 59 5 8 18 0 5 8 18 0 5 8 18 0 5 8

Julian Day Number = 2446916.5, Delta T = 55.48 sec Ecliptic obliquity = $23^{\circ}26'36$, Nutation = $-0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}33'48$, Lahiri = $23^{\circ}40'48$

JUNE 1987 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	ស	S	Ç	Ŷ,	Day
M 1	16 35 47	9∏59'55	289519	2931	17 8 35	799 4	20 Υ 48	18°R29	25°R21	7°R20	7°R44	9°R24	8 Y 30	219513	21 I I 3	M 1
T 2	16 39 44	10°57'26	10 N 9	3°49	18°48	7°42	20°59	18 × 24	25 х 19	7 る 19	7 M .42	9 Ƴ 17	8°27	21°20	21° 9	T 2
W 3	16 43 40	11°54'56	22° 3	5° 4	20° 1	8°21	21°11	18°20	25°17	7°18	7°41	9°13	8°24	21°27	21°14	W 3
T 4	16 47 37	12°52'24	4 Mp 3	6°16	21°14	9° 0	21°23	18°15	25°14	7°16	7°40	9°11	8°20	21°34	21°19	T 4
F 5	16 51 33	13°49'51	16°15	7°24	22°27	9°39	21°34	18°11	25°12	7°15	7°38	9°D10	8°17	21°40	21°24	F 5
S 6	16 55 30	14°47'17	28°44	8°29	23°39	10°18	21°45	18° 7	25° 9	7°13	7°37	9°11	8°14	21°47	21°29	S 6
S 7	16 59 26	15°44'42	11 ≏ 34	9°30	24°52	10°56	21°57	18° 2	25° 7	7°12	7°36	9°R11	8°11	21°54	21°35	S 7
M 8	17 3 23	16°42'05	24°51	10°28	26° 5	11°35	22° 8	17°58	25° 5	7°10	7°35	9°10	8° 8	22° 0	21°40	M 8
T 9	17 7 19	17°39'28	8 M .35	11°22	27°18	12°14	22°19	17°53	25° 2	7° 9	7°33	9° 7	8° 4	22° 7	21°45	T 9
W10	17 11 16	18°36'49	22°48	12°12	28°31	12°52	22°30	17°49	25° 0	7° 7	7°32	9° 2	8° 1	22°14	21°50	W10
T 11	17 15 13	19°34'10	7 . ₹26	12°58	29°44	13°31	22°41	17°44	24°57	7° 6	7°31	8°54	7°58	22°21	21°55	T 11
F 12	17 19 9	20°31'30	22°24	13°41	0 Ⅱ 57	14°10	22°52	17°40	24°55	7° 4	7°30	8°44	7°55	22°27	22° 1	F 12
S 13	17 23 6	21°28'49	7 云 32	14°19	2°10	14°48	23° 2	17°35	24°52	7° 3	7°29	8°34	7°52	22°34	22° 6	S 13
S 14	17 27 2	22°26'07	22°39	14°53	3°23	15°27	23°13	17°31	24°50	7° 1	7°28	8°25	7°49	22°41	22°11	S 14
M15	17 30 59	23°23'25	7≈37	15°23	4°36	16° 6	23°24	17°27	24°48	7° 0	7°27	8°17	7°45	22°48	22°16	M15
T 16	17 34 55	24°20'43	22°16	15°48	5°49	16°44	23°34	17°22	24°45	6°58	7°26	8°11	7°42	22°54	22°22	T 16
W17	17 38 52	25°18'00	6) €33	16° 9	7° 2	17°23	23°44	17°18	24°43	6°56	7°25	8° 8	7°39	23° 1	22°27	W17
T 18	17 42 49	26°15'16	20°26	16°26	8°15	18° 1	23°54	17°13	24°40	6°55	7°24	8° 7	7°36	23° 8	22°32	T 18
F 19	17 46 45	27°12'33	3 Υ 56	16°38	9°28	18°40	24° 4	17° 9	24°38	6°53	7°23	8° 7	7°33	23°14	22°37	F 19
S 20	17 50 42	28° 9'49	17° 5	16°46	10°41	19°18	24°14	17° 5	24°35	6°52	7°22	8° 7	7°30	23°21	22°43	S 20
S 21	17 54 38	29° 7'05	29°55	16°R49	11°54	19°57	24°24	17° 0	24°33	6°50	7°21	8° 5	7°26	23°28	22°48	S 21
M22	17 58 35	09 4'21	12831	16°47	13° 7	20°35	24°34	16°56	24°30	6°48	7°20	8° 2	7°23	23°35	22°53	M22
T 23	18 2 31	1° 1'36	24°56	16°41	14°21	21°14	24°44	16°52	24°28	6°47	7°19	7°55	7°20	23°41	22°58	T 23
W24	18 6 28	1°58'52	7 Ⅱ 10	16°31	15°34	21°52	24°53	16°48	24°26	6°45	7°19	7°46	7°17	23°48	23° 4	W24
T 25	18 10 24	2°56'07	19°18	16°16	16°47	22°31	25° 2	16°44	24°23	6°44	7°18	7°34	7°14	23°55	23° 9	T 25
F 26	18 14 21	3°53'22	19519	15°57	18° 0	23° 9	25°12	16°39	24°21	6°42	7°17	7°21	7°11	24° 1	23°14	F 26
S 27	18 18 18	4°50'36	13°15	15°35	19°13	23°48	25°21	16°35	24°18	6°40	7°16	7° 7	7° 7	24° 8	23°19	S 27
S 28	18 22 14	5°47'51	25° 8	15° 9	20°26	24°26	25°30	16°31	24°16	6°39	7°16	6°53	7° 4	24°15	23°24	S 28
M29	18 26 11	6°45'05	6 Ω 58	14°40	21°40	25° 5	25°39	16°27	24°14	6°37	7°15	6°42	7° 1	24°22	23°30	M29
T 30	18 30 7	79542'18	18 Ω 49	1495 9	22 II 53	259543	25 Y 47	16 × 23	24 × 11	6 ප 36	7 M .14	6 Υ 32	6 Υ 58	249528	23 II 35	T 30

Day	0	D		ğ		φ	С	3	2	+	ħ	l)	j (卉		Р	ß	Ω	Ç	ç	
	decl	decl la	t d	decl la	nt de	el lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	d	decl lat	decl	decl	decl	decl	lat
M 1 T 2	21n57 22 5		4n48 25:	-	2n 7 15n- 2 3 16	-	24n21 24 19	1n 6			21 s20 21 19		23 s31 23 31		22 s11 1r 22 11 1	-	n49 16n46 49 16 46	3n43 3 41	-	26n43 26 42	-	5 s 8
W 3			3 44 25	-	1 58 16	1 20	24 17	-	7 11	1 10	21 19	1 37	23 31	0 9	22 11 1	-	49 16 45	3 39	3 20	26 41	18 2	5 8
T 4	22 21 22 28	-	2 56 25 1 59 25	-	1 52 16 4 1 46 17	-	24 14 24 12	-	,		21 19 21 18		23 30 23 30		22 12 1 22 12 1	-	49 16 45 49 16 45	3 38 3 38	-	26 40 26 38	18 2 18 2	5 8 5 8
S 6	22 35		0 55 24	-	1 39 17						21 18		23 30		22 12 1	-	49 16 44	3 38		26 37	-	5 8
S 7 M 8 T 9	22 41 22 47 22 52	10 54	0s13 24 1 22 24 2 29 24	23	1 31 17 4 1 22 18 1 12 18 1	7 1 12	24 3		7 31	1 11	21 18 21 17 21 17	1 37	23 30 23 30 23 30	0 9	22 12 1 22 12 1 22 12 1	3 1	49 16 44 49 16 44 49 16 43	3 38 3 38 3 37	3 13	26 36 26 34 26 33	18 3	5 8 5 8 5 8
W10			3 30 23		1 2 18		23 56	- ,	7 39		21 17		23 30		22 12 1	-	49 16 43	3 35		26 32		5 8
T 11 F 12 S 13	23 6	28 2 4	4 18 23 4 49 23 5 1 23	24	0 51 19 0 39 19 0 27 19	9 1 4	23 52 23 48 23 44	1 7	, .,	1 11	21 16 21 16 21 16	1 37	23 30 23 30 23 30	0 9	22 12 1 22 12 1 22 12 1	3 1	49 16 42 49 16 42 49 16 41	3 28	3 8	26 3026 2926 28	18 4	5 8 5 9 5 9
S 14 M15	23 14 23 17	26 21 22 36	4 52 22 4 23 22	51 (0 14 19 0 1 20	1 1 0 7 0 58	23 40 23 36	1 8 1 8	7 55 7 58	1 12 1 12	21 15 21 15	1 36 1 36	23 30 23 30	0 9	22 12 1 22 12 1	3 1	49 16 41 49 16 41	3 20 3 17	3 6 3 5	26 26 26 25	18 5 18 5	5 9 5 9
T 16 W17 T 18	23 22	11 34 2	3 37 22 2 39 22	0 (0 s14 20 1 0 28 20 1	7 0 53	23 31 23 26 23 21		8 6	1 12	21 15 21 14	1 36	23 29 23 29	0 9	22 12 1 22 13 1	3 1	48 16 40 48 16 40	3 15 3 14	3 2	26 24 26 22	18 5	5 9 5 9
	23 23 23 25 23 26	1n14 (1 32 21 0 22 21 0n47 21	26	0 44 20 : 0 59 21 1 15 21	4 0 49	23 21 23 16 23 11	1 8 1 8 1 8	8 9 8 13 8 16	1 13	21 14 21 14 21 13	1 36	23 29 23 29 23 29	0 9	22 13 1 22 13 1 22 13 1	3 1	48 16 39 48 16 39 48 16 38	3 13 3 13 3 13	3 0	26 21 26 19 26 18	18 6	5 9 5 9 5 9
S 21 M22 T 23 W24	23 26	18 19 22 34 3	1 53 20 2 51 20 3 40 20 4 18 20	36	1 31 21 3 1 48 21 4 2 4 21 3 2 21 22	1 0 42 52 0 40		1 8 1 9	8 23	1 13 1 13	21 13 21 13 21 13	1 36 1 36	23 29 23 29 23 29 23 29	0 9	22 13 1 22 13 1 22 13 1 22 13 1	3 1 3 1	48 16 38 47 16 37 47 16 37 47 16 36	3 13 3 11 3 9 3 5	2 56 2 55	26 17 26 15 26 14 26 12	18 6 18 6	5 9 5 9 5 10 5 10
T 25 F 26	23 25 23 23	27 44 4 28 24 4	4 45 19 4 58 19	51 2	2 37 22 2 53 22 3	3 0 35 2 0 32	22 41 22 35	1 9 1 9 1 9	8 33 8 36	1 14 1 14	21 12 21 12 21 12	1 35 1 35	23 29 23 29	0 9 0 9	22 13 1 22 13 1	3 1 3 1	47 16 36 46 16 35	3 0 2 55	2 52 2 51	26 11 26 9	18 7 18 7	5 10 5 10
S 27 S 28 M29 T 30	23 19 23 16	25 46 22 43	4 58 19 4 45 19 4 19 19 3n43 18	13 2	3 8 22 3 3 23 22 3 3 37 22 4 3 s50 22n	0 28 0 25	22 29 22 22 22 15 22n 8	1 9	8 45	1 14 1 15	21 11 21 11 21 11 21 s11	1 35 1 35	23 28 23 28 23 28 23 s28	0 9	22 13 1 22 14 1 22 14 1 22 s14 1r	3 1 3 1	46 16 34 46 16 34 46 16 34 n45 16n33	2 44	2 50 2 48 2 47 2n46	26 6 26 5	18 7 18 7 18 7 18n 7	5 10 5 10 5 10 5 s11

Julian Day Number = 2446947.5, Delta T = 55.53 sec Ecliptic obliquity = $23^{\circ}26'36$, Nutation = - $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}33'52$, Lahiri = $23^{\circ}40'53$

JULY 1987 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(卉	Р	r	Ω	Ç	ę,	Day
W 1	18 34 4	8939'32	0 m 43	13°R35	24 I I 6	269521	25 Y 56	16°R19	24°R 9	6°R34	7°R14	6°R26	6 Ƴ 55	24935	23耳40	W 1
T 2	18 38 0	9°36'44	12°43	1399 0	25°19	27° 0	26° 5	16 × 15	24 ₹ 6	6 ප 32	7 ™ 13	6 Y 22	6°51	24°42	23°45	T 2
F 3	18 41 57	10°33'57	24°54	12°24	26°33	27°38	26°13	16°11	24° 4	6°31	7°13	6°21	6°48	24°48	23°50	F 3
S 4	18 45 53	11°31'09	7 Ω 20	11°47	27°46	28°17	26°21	16° 8	24° 2	6°29	7°12	6°21	6°45	24°55	23°55	S 4
S 5	18 49 50	12°28'21	20° 7	11°11	28°59	28°55	26°29	16° 4	24° 0	6°27	7°12	6°20	6°42	25° 2	24° 0	S 5
M 6	18 53 47	13°25'32	3 M .19	10°35	0ഇ13	29°33	26°37	16° 0	23°57	6°26	7°11	6°19	6°39	25° 9	24° 5	M 6
T 7	18 57 43	14°22'43	16°59	10° 1	1°26	0Ω12	26°45	15°57	23°55	6°24	7°11	6°16	6°36	25°15	24°11	T 7
W 8	19 1 40	15°19'55	1 √ 9	9°29	2°39	0°50	26°53	15°53	23°53	6°23	7°11	6°11	6°32	25°22	24°16	W 8
T 9	19 5 36	16°17'06	15°47	8°59	3°53	1°28	27° 0	15°49	23°51	6°21	7°10	6° 3	6°29	25°29	24°21	T 9
F 10	19 933	17°14'17	0 궁 48	8°33	5° 6	2° 6	27° 7	15°46	23°48	6°19	7°10	5°54	6°26	25°35	24°26	F 10
S 11	19 13 29	18°11'28	16° 4	8°11	6°20	2°45	27°15	15°43	23°46	6°18	7°10	5°43	6°23	25°42	24°31	S 11
S 12	19 17 26	19° 8'39	1≈23	7°52	7°33	3°23	27°22	15°39	23°44	6°16	7°10	5°33	6°20	25°49	24°36	S 12
M13	19 21 23	20° 5'51	16°35	7°38	8°47	4° 1	27°29	15°36	23°42	6°15	7° 9	5°25	6°17	25°56	24°40	M13
T 14	19 25 19	21° 3'02	1) (28	7°29	10° 0	4°40	27°35	15°33	23°40	6°13	7° 9	5°19	6°13	26° 2	24°45	T 14
W15	19 29 16	22° 0'15	15°58	7°D24	11°14	5°18	27°42	15°30	23°38	6°12	7° 9	5°16	6°10	26° 9	24°50	W15
T 16	19 33 12	22°57'27	29°59	7°25	12°27	5°56	27°48	15°27	23°36	6°10	7° 9	5°D14	6° 7	26°16	24°55	T 16
F 17	19 37 9	23°54'41	13 Y 34	7°32	13°41	6°34	27°55	15°24	23°34	6° 9	7° 9	5°15	6° 4	26°22	25° 0	F 17
S 18	19 41 5	24°51'55	26°44	7°43	14°54	7°12	28° 1	15°21	23°32	6° 7	7°D 9	5°R15	6° 1	26°29	25° 5	S 18
S 19	19 45 2	25°49'10	9 8 32	8° 1	16° 8	7°51	28° 7	15°18	23°30	6° 6	7° 9	5°14	5°57	26°36	25°10	S 19
M20	19 48 58	26°46'25	22° 2	8°24	17°22	8°29	28°13	15°15	23°28	6° 4	7° 9	5°11	5°54	26°43	25°14	M20
T 21	19 52 55	27°43'41	4 Ⅱ 18	8°52	18°35	9° 7	28°18	15°12	23°26	6° 3	7° 9	5° 6	5°51	26°49	25°19	T 21
W22	19 56 52	28°40'58	16°25	9°27	19°49	9°45	28°24	15°10	23°24	6° 1	7° 9	4°58	5°48	26°56	25°24	W22
T 23	20 0 48	29°38'16	28°24	10° 6	21° 3	10°24	28°29	15° 7	23°22	6° 0	7° 9	4°48	5°45	27° 3	25°28	T 23
F 24	20 4 45	0 Ω 35'35	109519	10°52	22°16	11° 2	28°34	15° 5	23°20	5°58	7°10	4°37	5°42	27°10	25°33	F 24
S 25	20 8 41	1°32'54	22°11	11°43	23°30	11°40	28°39	15° 2	23°19	5°57	7°10	4°25	5°38	27°16	25°38	S 25
S 26	20 12 38	2°30'14	4 Q 2	12°39	24°44	12°18	28°44	15° 0	23°17	5°55	7°10	4°14	5°35	27°23	25°42	S 26
M27	20 16 34	3°27'34	15°54	13°41	25°58	12°56	28°49	14°58	23°15	5°54	7°10	4° 4	5°32	27°30	25°47	M27
T 28	20 20 31	4°24'55	27°48	14°47	27°11	13°35	28°53	14°56	23°14	5°53	7°11	3°56	5°29	27°36	25°51	T 28
W29	20 24 27	5°22'17	9 m /46	16° 0	28°25	14°13	28°57	14°54	23°12	5°51	7°11	3°51	5°26	27°43	25°56	W29
T 30	20 28 24	6°19'39	21°51	17°17	29°39	14°51	29° 1	14°52	23°10	5°50	7°11	3°48	5°23	27°50	26° 0	T 30
F 31	20 32 21	7 Ω 17'01	4 ♀ 7	18939	0 Ω 53	15 Ω 29	29 Y 5	14 ×7 50	23 × 9	5 る 49	7 ™ 12	3°D47	5 Υ 19	279556	26耳 4	F 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
W 1 T 2 F 3	23n10 23 6 23 1	13n58 2n56 8 39 2 1 2 57 1 0	18 36 4	s 3 22n58 0s20 2 14 23 4 0 18 2 23 23 9 0 15 2	1 54 1 9	8 54 1 15	21 10 1 34	23 28 0 9	22 s14 1 1 3 2 2 14 1 3 2 2 14 1 3	1n45 16n33 1 45 16 32 1 44 16 32	2 32	2n45 26n 2 2 43 26 0 2 42 25 59	18 7 5 11
S 4	22 57			32 23 13 0 13 2 32 23 13 0 13 2					22 14 1 3	1 44 16 32		2 42 23 39 2 41 25 57	
S 5 M 6 T 7	22 51 22 46 22 40	14 46 2 17	18 18 4		21 31 1 9 21 23 1 9 21 14 1 9	9 5 1 16	21 9 1 34		22 14 1 3 22 14 1 3 22 14 1 3	1 44 16 31 1 43 16 30 1 43 16 29	2 31	2 40 25 56 2 38 25 54 2 37 25 53	18 7 5 12
W 8 T 9 F 10	22 34 22 27 22 20	27 22 4 42 28 26 5 0	18 18 4 18 21 4	50 23 23 0 0 2 49 23 23 0n 2 2		9 13 1 17 9 15 1 17	21 8 1 33 21 8 1 33	23 27 0 9 23 27 0 9	22 14 1 3 22 15 1 3 22 15 1 3	1 42 16 29 1 42 16 28 1 41 16 28	2 24 2 20		18 7 5 12 18 7 5 12
S 11 S 12 M13	22 12 22 5 21 56	24 16 4 31	18 30 4	43 23 21 0 7 2	0 41 1 9 0 32 1 9 0 23 1 9	9 20 1 17	21 8 1 33	23 27 0 9	22 15 1 3 22 15 1 3 22 15 1 3	1 41 16 27 1 41 16 27 1 40 16 26	2 12	2 32 25 47 2 31 25 45 2 30 25 43	
W15 T 16	21 48 21 39 21 29	13 35 2 49 7 5 1 40 0 26 0 28	18 52 4	23 23 12 0 14 2	20 14 1 9 20 4 1 9 9 55 1 10	9 27 1 18	21 7 1 32	23 27 0 9	22 10 1 3	1 40 16 26 1 39 16 25 1 39 16 24	2 5		18 7 5 13 18 7 5 14 18 7 5 14
F 17 S 18 S 19	21 20 21 10		19 21 3	53 22 58 0 21 1	9 45 1 10 9 36 1 10	9 33 1 19	21 7 1 32	23 26 0 9	22 15 1 3 22 15 1 3	1 38 16 24 1 37 16 23	2 5	2 23 25 35	
M20 T 21	20 48 20 37	21 50 3 41 25 16 4 20	19 43 3 19 54 3		9 16 1 10 9 6 1 10	9 36 1 19 9 38 1 19	21 7 1 32 21 6 1 31	23 26 0 9 23 26 0 9	22 15 1 3 22 16 1 3 22 16 1 3	1 37 16 23 1 36 16 22 1 36 16 21	2 4 2 2	2 22 25 34 2 21 25 32 2 19 25 31	18 7 5 15 18 7 5 15
W22 T 23 F 24	20 14 20 2	28 3 5 1	20 16 2 20 27 2	2 22 29 0 30 1 48 22 20 0 33 1 33 22 10 0 35 1	8 45 1 9 8 35 1 9	9 42 1 20 9 43 1 20	21 6 1 31 21 6 1 31	23 26 0 9 23 26 0 9	22 16 1 3	1 35 16 21 1 35 16 20 1 34 16 20	1 55 1 50	2 18 25 29 2 17 25 27 2 16 25 26 2 14 25 34	18 6 5 16 18 6 5 16
S 25 S 26	19 36	23 30 4 23	20 47 2		8 13 1 9	9 46 1 21	21 6 1 30	23 26 0 9	22 16 1 3	1 33 16 19 1 33 16 19	1 41	2 14 25 24 2 13 25 22	18 6 5 17
M27 T 28 W29	19 23 19 10 18 56	15 3 3 0	21 4 1 21 10 1	34 21 26 0 43 1 19 21 13 0 45 1		9 49 1 21	21 6 1 30 21 6 1 30	23 26 0 9 23 26 0 9	22 16 1 3 22 16 1 3 22 16 1 3	1 32 16 18 1 31 16 17 1 31 16 17	1 34	2 11 25 19 2 9 25 17	18 6 5 17 18 6 5 17 18 5 5 18
T 30 F 31	18 42 18n27	4 12 1 3 1 s40 0 s 2	-	5 21 0 0 47 1 s50 20n46 0n49 1	7 29 1 9 7n18 1n 9	, ,, , , ,,			22 16 1 3 22 s16 1 n 3	1 30 16 16 1n29 16n16		2 8 25 16 2n 7 25n14	18 5 5 18 18n 5 5 s18

Julian Day Number = 2446977.5, Delta T = 55.57 sec Ecliptic obliquity = $23^{\circ}26'36$, Nutation = $-0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}33'56$, Lahiri = $23^{\circ}40'57$

AUGUST 1987 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	Ω	Ç	ę,	Day
S 1	20 36 17	8 Q 14'25	16 ≏ 36	209 5	2 N 7	16 0 7	29 Y 9	14°R48	23°R 7	5°R47	7 M 12	3 Υ48	5 Υ 16	289 3	26 I I 9	S 1
S 2	20 40 14	9°11'49	29°23	21°37	3°21	16°45	29°13	14 × 746	23 × 6	5 궁 46	7°13	3°49	5°13	28°10	26°13	S 2
M 3	20 44 10	10° 9'13	12 M 31	23°12	4°35	17°24	29°16	14°45	23° 5	5°45	7°13	3°R49	5°10	28°17	26°17	M 3
T 4	20 48 7	11° 6'38	26° 5	24°52	5°48	18° 2	29°19	14°43	23° 3	5°43	7°14	3°48	5° 7	28°23	26°21	T 4
W 5	20 52 3	12° 4'04	10 x 6	26°35	7° 2	18°40	29°22	14°42	23° 2	5°42	7°14	3°45	5° 3	28°30	26°26	W 5
T 6	20 56 0	13° 1'31	24°34	28°22	8°16	19°18	29°25	14°41	23° 1	5°41	7°15	3°40	5° 0	28°37	26°30	T 6
F 7	20 59 56	13°58'58	9 궁 24	$0\Omega12$	9°30	19°56	29°27	14°39	22°59	5°40	7°16	3°33	4°57	28°43	26°34	F 7
S 8	21 3 53	14°56'26	24°32	2° 5	10°44	20°34	29°30	14°38	22°58	5°39	7°16	3°26	4°54	28°50	26°38	S 8
S 9	21 7 50	15°53'55	9≈47	4° 1	11°58	21°12	29°32	14°37	22°57	5°38	7°17	3°19	4°51	28°57	26°42	S 9
M10	21 11 46	16°51'25	24°58	5°58	13°12	21°51	29°34	14°36	22°56	5°36	7°18	3°14	4°48	29° 4	26°46	M10
T 11	21 15 43	17°48'56	9 米 56	7°58	14°26	22°29	29°36	14°35	22°55	5°35	7°19	3°10	4°44	29°10	26°50	T 11
W12	21 19 39	18°46'29	24°32	9°58	15°41	23° 7	29°38	14°35	22°54	5°34	7°19	3° 8	4°41	29°17	26°53	W12
T 13	21 23 36	19°44'02	8 Υ 43	12° 0	16°55	23°45	29°39	14°34	22°53	5°33	7°20	3°D 8	4°38	29°24	26°57	T 13
F 14	21 27 32	20°41'37	22°25	14° 2	18° 9	24°23	29°40	14°33	22°52	5°32	7°21	3° 9	4°35	29°30	27° 1	F 14
S 15	21 31 29	21°39'14	5 8 40	16° 4	19°23	25° 1	29°41	14°33	22°51	5°31	7°22	3°10	4°32	29°37	27° 5	S 15
S 16	21 35 25	22°36'52	18°32	18° 7	20°37	25°39	29°42	14°33	22°50	5°30	7°23	3°R11	4°28	29°44	27° 8	S 16
M17	21 39 22	23°34'32	1 II 3	20° 9	21°51	26°18	29°43	14°32	22°49	5°29	7°24	3°11	4°25	29°51	27°12	M17
T 18	21 43 19	24°32'13	13°18	22°11	23° 5	26°56	29°43	14°32	22°48	5°28	7°25	3° 9	4°22	29°57	27°15	T 18
W19	21 47 15	25°29'56	25°21	24°13	24°20	27°34	29°44	14°D32	22°48	5°27	7°26	3° 6	4°19	0Ω 4	27°19	W19
T 20	21 51 12	26°27'40	<i>79</i> 517	26°13	25°34	28°12	29°R44	14°32	22°47	5°26	7°27	3° 1	4°16	0°11	27°22	T 20
F 21	21 55 8	27°25'26	19° 9	28°13	26°48	28°50	29°44	14°32	22°47	5°26	7°28	2°55	4°13	0°17	27°26	F 21
S 22	21 59 5	28°23'14	1 0 0	0 m 12	28° 2	29°28	29°43	14°32	22°46	5°25	7°29	2°48	4° 9	0°24	27°29	S 22
S 23	22 3 1	29°21'03	12°53	2° 9	29°17	0 Mp 7	29°43	14°33	22°45	5°24	7°31	2°42	4° 6	0°31	27°32	S 23
M24	22 6 58	0 m 18'53	24°49	4° 6	0 m y31	0°45	29°42	14°33	22°45	5°23	7°32	2°37	4° 3	0°38	27°35	M24
T 25	22 10 54	1°16'45	6 m 50	6° 1	1°45	1°23	29°41	14°34	22°45	5°22	7°33	2°33	4° 0	0°44	27°39	T 25
W26	22 14 51	2°14'39	18°58	7°55	3° 0	2° 1	29°40	14°34	22°44	5°22	7°34	2°31	3°57	0°51	27°42	W26
T 27	22 18 48	3°12'33	1 ≏ 14	9°48	4°14	2°39	29°39	14°35	22°44	5°21	7°36	2°D30	3°54	0°58	27°45	T 27
F 28	22 22 44	4°10'29	13°42	11°39	5°28	3°17	29°37	14°36	22°44	5°20	7°37	2°30	3°50	1° 4	27°48	F 28
S 29	22 26 41	5° 8'27	26°21	13°29	6°43	3°56	29°35	14°37	22°43	5°20	7°38	2°32	3°47	1°11	27°51	S 29
S 30	22 30 37	6° 6'26	9 M .16	15°18	7°57	4°34	29°34	14°38	22°43	5°19	7°40	2°33	3°44	1°18	27°53	S 30
M31	22 34 34	7Mp 4'26	22 M 29	17 m) 6	9 m 12	5 m 12	29 Y 31	14 × 39	22 × 143	5 る 19	7 M 41	2 Y 35	3 Ƴ 41	1 Ω 24	27 Ⅱ 56	M31

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S 1	18n13	7 s 3 4 1 s 8	21n21 0s	36 20n31 0n51	17n 7 1n 9	9n54 1 s22	21 s 6 1n29	23 s25 Os 9	22 s17 1n 2	1n29 16n15	1n31	2n 6 25n12	18n 5 5s19
S 2					16 55 1 9	, 55 1 22			22 17 1 2	1 28 16 14	1 31	2 4 25 10	
M 3 T 4		18 39 3 13 23 13 4 3			16 43 1 9 16 32 1 9	9 56 1 23 9 57 1 23			22 17 1 2 22 17 1 2	1 27 16 14 1 27 16 13	1 31	2 3 25 9 2 2 25 7	18 4 5 19 18 4 5 20
W 5		26 36 4 41	21 13 011		16 20 1 9	9 57 1 23			22 17 1 2 22 17 1 2	1 26 16 13	1 29	2 1 25 5	18 4 5 20 18 4 5 20
T 6	16 54				16 8 1 9	9 58 1 23			22 17 1 2	1 25 16 12	1 27	1 59 25 3	18 4 5 20
F 7	16 38	28 11 5 5	20 44 0	38 18 52 1 2	15 56 1 9	9 59 1 24	21 6 1 28	23 25 0 9	22 17 1 2	1 24 16 12	1 25	1 58 25 2	18 3 5 21
S 8	16 21	25 55 4 47	20 29 0	49 18 34 1 3	15 43 1 9	9 59 1 24	21 6 1 28	23 25 0 9	22 17 1 2	1 24 16 11	1 22	1 57 25 0	18 3 5 21
S 9	16 4	21 46 4 8	20 12 0	58 18 15 1 5	15 31 1 9	10 0 1 24	21 6 1 28	23 25 0 9	22 17 1 2	1 23 16 10	1 19	1 56 24 58	18 3 5 22
M10	15 47	16 12 3 11	19 51 1	6 17 55 1 6	15 19 1 9	10 0 1 24	21 6 1 28	23 25 0 9	22 17 1 2	1 22 16 10	1 17	1 54 24 56	18 2 5 22
T 11	15 30	9 44 2 2	19 29 1	14 17 35 1 8	15 6 1 9	10 1 1 25	21 6 1 27	23 25 0 9	22 17 1 2	1 21 16 9	1 15	1 53 24 55	18 2 5 22
W12	15 12				14 54 1 9				22 17 1 2	1 20 16 9	1 15		18 2 5 23
T 13	14 54		18 35 1			10 1 1 25				1 20 16 8	1 15	1 51 24 51	
F 14		10 19 1 43				10 2 1 25				1 19 16 8	1 15	1 49 24 49	
S 15	14 17	16 2 2 47	17 33 1	36 16 10 1 13	14 15 1 8	10 2 1 26	21 7 1 27	23 24 0 9	22 18 1 2	1 18 16 7	1 16	1 48 24 47	18 1 5 24
				40 15 48 1 14	-	10 2 1 26			22 18 1 2	1 17 16 6	1 16	1 47 24 46	
M17	-	24 40 4 23			13 50 1 8				22 18 1 2	1 16 16 6	1 16	1 45 24 44	
T 18	-	27 14 4 52				10 2 1 26			-	1 16 16 5	1 15	1 44 24 42	
W19 T 20		28 29 5 8 28 24 5 9			13 23 1 8			23 24 0 9		1 15 16 5	1 14	1 43 24 40 1 42 24 38	
F 21					13 10 1 8 12 57 1 8	10 1 1 27 10 1 1 27			22 18 1 2 22 18 1 2	1 14 16 4 1 13 16 4	1 12 1 9	1 42 24 38	
S 22		24 23 4 34				10 1 1 27			22 18 1 2	1 12 16 3	1 7	1 39 24 34	
S 23 M24						10 0 1 28			22 18 1 2	1 11 16 3	1 5	1 38 24 33	
T 25	11 22 11 1	16 15 3 11 11 6 2 16	-		12 16 1 8 12 2 1 8				22 18 1 2 22 18 1 2	1 10 16 2 1 10 16 2	1 2	1 37 24 31 1 35 24 29	17 58 5 28 17 57 5 28
W26	10 41	5 30 1 13			12 2 1 8 11 48 1 7					1 10 16 2 1 9 16 1	1 1	1 33 24 29 1 34 24 27	
T 27	10 20				11 35 1 7					1 8 16 1	1 0	1 33 24 25	
F 28	9 59			27 10 48 1 24				23 24 0 9		1 7 16 0	1 0	1 32 24 23	
S 29	9 38			23 10 21 1 24					22 19 1 2	1 6 15 59	1 0	1 30 24 21	
S 30	9 16	17 34 3 8	7 0 1	18 9 54 1 24	10 53 1 7	9 56 1 29	21 11 1 23	23 24 0 9	22 19 1 1	1 5 15 59	1 1	1 29 24 19	17 55 5 30
M31	8n55	22s16 4s 1	6n13 1n	113 9n26 1n25	10n39 1n 7	9n55 1 s29	21 s11 1n23	23 s24 0 s10	22 s 19 1 n 1	1n 4 15n58	1n 1	1n28 24n17	17n55 5 s31

Julian Day Number = 2447008.5, Delta T = 55.61 sec Ecliptic obliquity = $23^{\circ}26'36$, Nutation = - $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}34'01$, Lahiri = $23^{\circ}41'01$

SEPTEMBER 1987 00:00 UT

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Day	Sid.t	0	D	ğ	·	ð	4	ħ)મ(并	В	ស	ß	Ç	ę,	Day
T 1	22 38 30	8 mg 2'28	6 √ 1	18 m 52	10 m 26	5 m 50	29°R29	14 × 140	22°R43	5°R18	7 M .43	2°R35	3 Υ38	1 Q 31	27 I 59	T 1
W 2	22 42 27	9° 0'31	19°55	20°37	11°40	6°28	29 Y 27	14°41	22°D43	5 ਰ 18	7°44	2 Y 35	3°34	1°38	28° 2	W 2
T 3	22 46 23	9°58'36	4 궁 9	22°21	12°55	7° 7	29°24	14°42	22 × 143	5°17	7°46	2°33	3°31	1°45	28° 4	T 3
F 4	22 50 20	10°56'41	18°42	24° 3	14° 9	7°45	29°21	14°44	22°43	5°17	7°47	2°31	3°28	1°51	28° 7	F 4
S 5	22 54 17	11°54'49	3≈30	25°45	15°24	8°23	29°18	14°45	22°43	5°16	7°49	2°29	3°25	1°58	28° 9	S 5
S 6	22 58 13	12°52'57	18°25	27°25	16°38	9° 1	29°15	14°47	22°44	5°16	7°50	2°26	3°22	2° 5	28°11	S 6
M 7	23 2 10	13°51'08	3 ∺ 21	29° 3	17°53	9°40	29°11	14°49	22°44	5°16	7°52	2°24	3°19	2°11	28°14	M 7
T 8	23 6 6	14°49'19	18° 8	0 ჲ 41	19° 7	10°18	29° 8	14°51	22°44	5°15	7°53	2°23	3°15	2°18	28°16	T 8
W 9	23 10 3	15°47'33	2 Υ 40	2°18	20°22	10°56	29° 4	14°53	22°44	5°15	7°55	2°D22	3°12	2°25	28°18	W 9
T 10	23 13 59	16°45'48	16°50	3°53	21°36	11°34	29° 0	14°55	22°45	5°15	7°57	2°23	3° 9	2°32	28°20	T 10
F 11	23 17 56	17°44'06	0 8 36	5°27	22°51	12°12	28°55	14°57	22°45	5°14	7°58	2°24	3° 6	2°38	28°22	F 11
S 12	23 21 52	18°42'25	13°56	7° 0	24° 5	12°51	28°51	14°59	22°46	5°14	8° 0	2°25	3° 3	2°45	28°24	S 12
S 13	23 25 49	19°40'47	26°52	8°32	25°20	13°29	28°47	15° 1	22°46	5°14	8° 2	2°26	3° 0	2°52	28°26	S 13
M14	23 29 46	20°39'11	9∏27	10° 3	26°34	14° 7	28°42	15° 4	22°47	5°14	8° 4	2°26	2°56	2°58	28°28	M14
T 15	23 33 42	21°37'37	21°45	11°33	27°49	14°46	28°37	15° 6	22°48	5°14	8° 6	2°R27	2°53	3° 5	28°30	T 15
W16	23 37 39	22°36'05	39549	13° 1	29° 3	15°24	28°32	15° 9	22°48	5°14	8° 7	2°26	2°50	3°12	28°32	W16
T 17	23 41 35	23°34'35	15°45	14°29	0 ჲ 18	16° 2	28°27	15°12	22°49	5°D14	8° 9	2°26	2°47	3°18	28°33	T 17
F 18	23 45 32	24°33'08	27°37	15°55	1°33	16°41	28°21	15°14	22°50	5°14	8°11	2°25	2°44	3°25	28°35	F 18
S 19	23 49 28	25°31'42	9 Ω 28	17°20	2°47	17°19	28°16	15°17	22°51	5°14	8°13	2°24	2°40	3°32	28°36	S 19
S 20	23 53 25	26°30'19	21°23	18°44	4° 2	17°57	28°10	15°20	22°52	5°14	8°15	2°23	2°37	3°39	28°38	S 20
M21	23 57 21	27°28'57	3 m 25	20° 7	5°17	18°36	28° 4	15°23	22°53	5°14	8°17	2°22	2°34	3°45	28°39	M21
T 22	0 118	28°27'38	15°35	21°28	6°31	19°14	27°58	15°26	22°54	5°14	8°19	2°22	2°31	3°52	28°40	T 22
W23	0 5 15	29°26'20	27°56	22°48	7°46	19°52	27°52	15°29	22°55	5°14	8°21	2°D22	2°28	3°59	28°41	W23
T 24	0 9 11	0 ≏ 25'05	10 ≏ 29	24° 7	9° 0	20°31	27°46	15°33	22°56	5°15	8°23	2°22	2°25	4° 5	28°42	T 24
F 25	0 13 8	1°23'51	23°16	25°25	10°15	21° 9	27°39	15°36	22°57	5°15	8°25	2°22	2°21	4°12	28°43	F 25
S 26	0 17 4	2°22'40	6 M 15	26°41	11°30	21°47	27°33	15°40	22°58	5°15	8°27	2°R22	2°18	4°19	28°44	S 26
S 27	0 21 1	3°21'30	19°28	27°55	12°44	22°26	27°26	15°43	22°59	5°15	8°29	2°22	2°15	4°25	28°45	S 27
M28	0 24 57	4°20'22	2 ₹ 56	29° 8	13°59	23° 4	27°19	15°47	23° 1	5°16	8°31	2°22	2°12	4°32	28°46	M28
T 29	0 28 54	5°19'16	16°36	0 M 20	15°14	23°43	27°12	15°50	23° 2	5°16	8°33	2°22	2° 9	4°39	28°47	T 29
W30	0 32 50	6 ₽ 18'12	0 궁 30	1M29	16 ≏ 28	24 m/21	27 Y 5	15 × 754	23 × 4	5 る 16	8M35	2°D21	2 Υ 6	$4\Omega 46$	28∐47	W30

Day	0	D	ţ	5	P)	С	7	2	+	ŧ	1);	j (,	(Р	ß	Ω	Ç	, k	
	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	8n33	25 s 56 4 s 4	1 5n26	1n 7	8n58	1n25	10n24	1n 7	9n54	1 s30	21 s11	1n23	23 s24	0s10	22 s19	1n 1	1n 3 15n58	1n 2	1n27	24n16	17n54	5 s31
W 2	8 12	28 10 5	7 4 40	1 2	8 30	1 25	10 10	1 7	9 53	1 30	21 12	1 23	23 24	0 10	22 19	1 1	1 2 15 57	1 2	1 25	24 14	17 54	5 32
T 3	7 50	28 37 5 1	4 3 53	0 56	8 1	1 25	9 56	1 7	9 51	1 30	21 12	1 23	23 24	0 10	22 19	1 1	1 1 15 57	1 1	1 24	24 12	17 53	5 32
F 4	7 28	27 7 5	2 3 7	0 49	7 33	1 25	9 42	1 6	9 50	1 30	21 12	1 22	23 24	0 10	22 19	1 1	1 1 15 57	1 0	1 23	24 10	17 53	5 33
S 5	7 6	23 45 4 3	0 2 21	0 43	7 4	1 25	9 27	1 6	9 49	1 31	21 13	1 22	23 24	0 10	22 19	1 1	1 0 15 56	0 59	1 21	24 8	17 53	5 33
S 6	6 43	18 47 3 3	9 1 35	0 36	6 35	1 25	9 13	1 6	9 48	1 31	21 13	1 22	23 24	0 10	22 19	1 1	0 59 15 56	0 58	1 20	24 6	17 52	5 34
M 7	6 21	12 40 2 3	3 0 49	0 29	6 5	1 25	8 58	1 6	9 46	1 31	21 13	1 22	23 24	0 10	22 19	1 1	0 58 15 55	0 57	1 19	24 4	17 52	5 34
T 8	5 59	5 53 1 1	8 0 4	0 22	5 36	1 24	8 43	1 6	9 45	1 31	21 14	1 22	23 24	0 10	22 19	1 1	0 57 15 55	0 57	1 18	24 2	17 51	5 35
W 9	5 36	1n 5 0n	2 0s41	0 15	5 6	1 24	8 29	1 6	9 43	1 31	21 14	1 21	23 24	0 10	22 19	1 1	0 56 15 54	0 57	1 16	24 0	17 51	5 35
T 10	5 14	7 50 1 1	9 1 26	0 8	4 37	1 24	8 14	1 6	9 41	1 32	21 15	1 21	23 24	0 10	-	1 1	0 55 15 54	0 57			17 50	5 36
F 11	4 51	14 1 2 3	2 10	0 0	4 7	1 23	7 59	1 5	9 40	1 32	21 15	1 21	23 24	0 10	22 19	1 1	0 54 15 53	0 57	1 14	23 56	17 50	5 36
S 12	4 28	19 22 3 3	0 2 54	0s 7	3 37	1 23	7 45	1 5	9 38	1 32	21 16	1 21	23 24	0 10	22 19	1 1	0 53 15 53	0 58	1 13	23 54	17 49	5 37
S 13	4 5	23 38 4 1	8 3 37	0 15	3 7	1 22	7 30	1 5	9 36	1 32	21 16	1 21	23 24	0 10	22 20	1 1	0 52 15 52	0 58	1 11	23 52	17 49	5 37
M14	3 42	26 40 4 5	1 4 20	0 23	2 36	1 21	7 15	1 5	9 34	1 32	21 17	1 20	23 24	0 10	22 20	1 1	0 51 15 52	0 58	1 10	23 50	17 48	5 38
T 15	3 19	28 22 5 1	1 5 2	0 31	2 6	1 21	7 0	1 5	9 33	1 32	21 17	1 20	23 24	0 10	22 20	1 1	0 50 15 52	0 58	1 9	23 48	17 48	5 38
W16	2 56	28 40 5 1	6 5 44	0 38	1 36	1 20	6 45	1 5	9 31	1 33	21 17	1 20	23 24	0 10	22 20	1 1	0 49 15 51	0 58	1 8	23 46	17 47	5 39
T 17	2 33	27 37 5	8 6 25	0 46	1 5	1 19	6 30	1 4	9 29	1 33	21 18	1 20	23 24	0 10	22 20	1 1	0 48 15 51	0 58	1 6	23 44	17 47	5 39
F 18	2 10	25 19 4 4	7 6	0 54	0 35	1 18	6 15	1 4	9 27	1 33	21 18	1 20	23 24	0 10	22 20	1 1	0 47 15 50	0 58	1 5	23 42	17 46	5 40
S 19	1 47	21 57 4 1	3 7 46	1 2	0 4	1 17	6 0	1 4	9 24	1 33	21 19	1 19	23 25	0 10	22 20	1 1	0 46 15 50	0 57	1 4	23 40	17 46	5 40
S 20	1 23	17 39 3 2	8 8 25	1 10	0s26	1 16	5 45	1 4	9 22	1 33	21 19	1 19	23 25	0 10	22 20	1 1	0 46 15 50	0 57	1 3	23 38	17 45	5 41
M21	1 0	12 39 2 3	4 9 4	1 18	0 57	1 15	5 30	1 4	9 20	1 33	21 20	1 19	23 25	0 10	22 20	1 1	0 45 15 49	0 57	1 1	23 36	17 45	5 41
T 22	0 37	7 6 1 3	9 42	1 25	1 27	1 14	5 14	1 4	9 18	1 34	21 20	1 19	23 25	0 10	22 20	1 1	0 44 15 49	0 56	1 0	23 34	17 44	5 42
W23	0 13	1 12 0 2	5 10 19	1 33	1 58	1 13	4 59	1 3	9 15	1 34	21 21	1 19	23 25	0 10	22 20	1 0	0 43 15 48	0 56	0 59	23 32	17 44	5 43
T 24	0s10	4 s 5 1 0 s 4	5 10 55	1 41	2 29	1 11	4 44	1 3	9 13	1 34	21 22	1 18	23 25	0 10	22 20	1 0	0 42 15 48	0 56	0 58	23 29	17 43	5 43
F 25	0 33	10 48 1 5	3 11 31	1 48	2 59	1 10	4 29	1 3	9 11	1 34	21 22	1 18	23 25	0 10	22 20	1 0	0 41 15 48	0 56	0 56	23 27	17 43	5 44
S 26	0 57	16 23 2 5	7 12 5	1 56	3 30	1 9	4 13	1 3	9 8	1 34	21 23	1 18	23 25	0 10	22 20	1 0	0 40 15 47	0 56	0 55	23 25	17 42	5 44
S 27	1 20	21 20 3 5	3 12 39	2 3	4 0	1 7	3 58	1 3	9 6	1 34	21 23	1 18	23 25	0 10	22 20	1 0	0 39 15 47	0 56	0 54	23 23	17 42	5 45
M28	1 44	25 16 4 3	66 13 12	2 10	4 30	1 6	3 43	1 3	9 3	1 34	21 24	1 18	23 25	0 10	22 20	1 0	0 38 15 47	0 56	0 52	23 21	17 41	5 45
T 29	2 7	27 50 5	5 13 44	2 17	5 1	1 4	3 27	1 2	9 1	1 34	21 24	1 18	23 25	0 10	22 20	1 0	0 37 15 46	0 56	0 51	23 19	17 41	5 46
W30	2 s30	28 s43 5 s1	7 14s15	2 s24	5 s 3 1	1n 3	3n12	1n 2	8n58	1 s35	21 s25	1n17	23 s25	0s10	$22\mathrm{s}20$	1n 0	0n36 15n46	0n56	0n50	23n17	17n40	5 s46

 $\label{eq:Julian Day Number = 2447039.5, Delta\ T = 55.65\ sec} \\ Ecliptic\ obliquity = 23°26'37, Nutation = -0°00'01, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 24°34'05, Lahiri = 23°41'05 \\$

OCTOBER 1987 00:00 UT

Day	Sid.t	0	D	ğ	ρ	ð	4	ħ)∤(¥	Р	រា	S	Ç	ķ	Day
T 1	0 36 47	7 ₽ 17'10	14 궁 37	2 M .37	17 ≏ 43	24 m/59	26°R58	15 ₹ 58	23 × 5	5 る 17	8 M 37	2 Υ 21	2Υ 2	4 Ω 52	28∏48	T 1
F 2	0 40 44	8°16'09	28°53	3°42	18°58	25°38	26 Y 51	16° 2	23° 7	5°17	8°40	2°22	1°59	4°59	28°48	F 2
S 3	0 44 40	9°15'10	13≈18	4°45	20°12	26°16	26°43	16° 6	23° 8	5°18	8°42	2°22	1°56	5° 6	28°49	S 3
S 4	0 48 37	10°14'12	27°48	5°46	21°27	26°55	26°36	16°10	23°10	5°18	8°44	2°23	1°53	5°12	28°49	S 4
M 5	0 52 33	11°13'16	12) 17	6°45	22°42	27°33	26°28	16°14	23°11	5°19	8°46	2°23	1°50	5°19	28°49	M 5
T 6	0 56 30	12°12'23	26°41	7°40	23°57	28°12	26°21	16°19	23°13	5°20	8°48	2°R24	1°46	5°26	28°50	T 6
W 7	1 0 26	13°11'31	10 Y 54	8°32	25°11	28°50	26°13	16°23	23°15	5°20	8°51	2°24	1°43	5°32	28°50	W 7
T 8	1 4 23	14°10'41	24°52	9°22	26°26	29°29	26° 5	16°27	23°17	5°21	8°53	2°23	1°40	5°39	28°R50	T 8
F 9	1 8 19	15° 9'53	8 8 31	10° 7	27°41	0요 7	25°58	16°32	23°18	5°22	8°55	2°22	1°37	5°46	28°50	F 9
S 10	1 12 16	16° 9'08	21°50	10°49	28°55	0°46	25°50	16°36	23°20	5°22	8°57	2°20	1°34	5°53	28°49	S 10
S 11	1 16 12	17° 8'24	4∏47	11°26	0 M 10	1°24	25°42	16°41	23°22	5°23	9° 0	2°18	1°31	5°59	28°49	S 11
M12	1 20 9	18° 7'43	17°25	11°58	1°25	2° 3	25°34	16°46	23°24	5°24	9° 2	2°16	1°27	6° 6	28°49	M12
T 13	1 24 6	19° 7'05	29°44	12°25	2°39	2°42	25°26	16°50	23°26	5°25	9° 4	2°14	1°24	6°13	28°49	T 13
W14	1 28 2	20° 6'28	119550	12°47	3°54	3°20	25°18	16°55	23°28	5°26	9° 7	2°13	1°21	6°19	28°48	W14
T 15	1 31 59	21° 5'54	23°47	13° 2	5° 9	3°59	25°10	17° 0	23°30	5°26	9° 9	2°D13	1°18	6°26	28°48	T 15
F 16	1 35 55	22° 5'23	5 Ω 39	13°11	6°23	4°37	25° 2	17° 5	23°32	5°27	9°11	2°14	1°15	6°33	28°47	F 16
S 17	1 39 52	23° 4'53	17°31	13°R12	7°38	5°16	24°54	17°10	23°35	5°28	9°14	2°15	1°11	6°39	28°46	S 17
S 18	1 43 48	24° 4'26	29°27	13° 6	8°53	5°55	24°45	17°15	23°37	5°29	9°16	2°17	1°8	6°46	28°45	S 18
M19	1 47 45	25° 4'01	11 m /32	12°52	10° 8	6°33	24°37	17°20	23°39	5°30	9°18	2°18	1° 5	6°53	28°45	M19
T 20	1 51 41	26° 3'38	23°51	12°29	11°22	7°12	24°29	17°26	23°41	5°31	9°21	2°19	1° 2	7° 0	28°44	T 20
W21	1 55 38	27° 3'17	6 ≏ 24	11°57	12°37	7°51	24°21	17°31	23°44	5°32	9°23	2°R20	0°59	7° 6	28°43	W21
T 22	1 59 35	28° 2'58	19°15	11°17	13°52	8°29	24°13	17°36	23°46	5°33	9°25	2°19	0°56	7°13	28°42	T 22
F 23	2 3 31	29° 2'42	2 M 23	10°28	15° 6	9° 8	24° 5	17°42	23°49	5°35	9°28	2°16	0°52	7°20	28°40	F 23
S 24	2 7 28	OM 2'27	15°48	9°31	16°21	9°47	23°57	17°47	23°51	5°36	9°30	2°13	0°49	7°26	28°39	S 24
S 25	2 11 24	1° 2'15	29°27	8°27	17°36	10°26	23°49	17°53	23°54	5°37	9°33	2° 8	0°46	7°33	28°38	S 25
M26	2 15 21	2° 2'04	13 × 19	7°17	18°51	11° 4	23°41	17°58	23°56	5°38	9°35	2° 4	0°43	7°40	28°36	M26
T 27	2 19 17	3° 1'55	27°20	6° 3	20° 5	11°43	23°33	18° 4	23°59	5°39	9°38	1°59	0°40	7°46	28°35	T 27
W28	2 23 14	4° 1'48	11 る 27	4°46	21°20	12°22	23°25	18°10	24° 1	5°41	9°40	1°56	0°37	7°53	28°33	W28
T 29	2 27 10	5° 1'43	25°36	3°30	22°35	13° 1	23°17	18°15	24° 4	5°42	9°42	1°54	0°33	8° 0	28°32	T 29
F 30	2 31 7	6° 1'39	9≈46	2°16	23°49	13°39	23°10	18°21	24° 7	5°43	9°45	1°D54	0°30	8° 7	28°30	F 30
S 31	2 35 4	7 M 1'36	23≈56	1 m 7	25 M 4	14 ≏ 18	23 ° 2	18 ∡ 27	24 × 9	5 る 45	9 M 47	1 Y 55	0 Υ 27	8 Ω 13	28∏28	S 31

Day	0	D	ğ	φ	♂	4	ħ)Å(卉	Р	ß	υ ţ	ķ
	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 S 3	3 17	25 1 4 44	14s44 2s31 15 13 2 37 15 40 2 43	6 31 0 59	2n56 1n 2 2 41 1 2	8 53 1 35	21 26 1 17	23 25 0 10	22 s20 1n 0 22 20 1 0	0n35 15n46 0 34 15 45	0n56 0 56	0n49 23n15 0 47 23 13	17 39 5 47
S 4 M 5 T 6 W 7 T 8	4 3 4 26 4 50 5 13 5 36	15 4 3 0 8 38 1 49 1 48 0 32 5n 2 0n47 11 31 2 1	16 6 2 49 16 31 2 55 16 54 3 0 17 16 3 4 17 36 3 9	7 30 0 56 5 8 0 0 54 0 8 29 0 52 4 8 58 0 50 9 9 27 0 48	2 25 1 2 2 10 1 1 1 54 1 1 1 39 1 1 1 23 1 1 1 8 1 0	8 47 1 35 8 44 1 35 8 42 1 35 8 39 1 35 8 36 1 35	21 27 1 17 21 28 1 16 21 28 1 16 21 29 1 16 21 30 1 16	23 26 0 10 23 26 0 10	22 20 1 0 22 20 1 0	0 33 15 45 0 32 15 45 0 31 15 45 0 31 15 44 0 30 15 44 0 29 15 44	0 57 0 57 0 57 0 57 0 57 0 57	0 44 23 6 0 42 23 4 0 41 23 2 0 40 23 0	17 38 5 48 17 37 5 49 17 37 5 50 17 36 5 50 17 36 5 51
F 9 S 10 S 11	-	22 6 4 0 25 41 4 40	17 54 3 12 18 10 3 15 18 24 3 18	5 10 24 0 44 3 10 52 0 42	0 52 1 0 0 37 1 0 0 21 1 0	8 30 1 35 8 27 1 35	21 31 1 16 21 32 1 15	23 26 0 10 23 26 0 10	22 20 1 0 22 20 1 0 22 20 1 0	0 28 15 44 0 27 15 43 0 26 15 43	0 56 0 55	0 39 22 58 0 37 22 55 0 36 22 53	17 35 5 52 17 34 5 52
M12 T 13 W14 T 15 F 16 S 17	7 7 7 7 7 29 7 52 8 14 8 36 8 58	28 42 5 15 28 5 5 11 26 10 4 54 23 7 4 24	18 36 3 20 18 45 3 21 18 52 3 21 18 56 3 20 18 56 3 18 18 54 3 14	1 11 48 0 38 1 12 16 0 36 0 12 43 0 33	0 6 1 0 0 s10 0 59 0 25 0 59 0 41 0 59 0 56 0 59 1 12 0 58	8 22 1 35 8 19 1 35 8 16 1 35 8 13 1 35	21 33 1 15 21 33 1 15 21 34 1 15 21 35 1 15	23 26 0 10 23 26 0 10 23 27 0 10 23 27 0 10	22 20 1 0 22 20 1 0 22 20 1 0 22 20 1 0 22 20 0 59 22 20 0 59	0 25 15 43 0 24 15 43 0 23 15 42 0 22 15 42 0 22 15 42 0 21 15 42	0 54 0 53 0 53 0 53 0 53 0 54	0 35 22 51 0 33 22 49 0 32 22 47 0 31 22 45 0 30 22 42 0 28 22 40	17 33 5 53 17 33 5 54 17 32 5 54 17 31 5 55
S 18 M19 T 20 W21 T 22	9 20 9 42 10 4 10 26 10 47	14 20 2 51 8 58 1 52 3 9 0 47 2 s 53 0 s 22 8 57 1 32	18 47 3 10 18 37 3 4 18 23 2 56 18 4 2 47 17 41 2 36	0 14 3 0 26 4 14 28 0 24 5 14 54 0 22 7 15 19 0 19 5 15 44 0 17	1 28 0 58 1 43 0 58 1 59 0 58 2 14 0 57 2 30 0 57	8 7 1 35 8 4 1 35 8 1 1 35 7 58 1 35 7 55 1 35	21 36 1 14 21 37 1 14 21 37 1 14 21 38 1 14 21 39 1 14	23 27 0 10 23 27 0 10	22 20 0 59 22 20 0 59	0 20 15 42 0 19 15 42 0 18 15 41 0 17 15 41 0 16 15 41	0 54 0 55 0 55 0 56 0 55	0 27 22 38 0 26 22 36 0 25 22 33 0 23 22 31 0 22 22 29	17 30 5 56 17 30 5 56 17 29 5 57 17 29 5 57 17 28 5 58
F 23 S 24 S 25 M26 T 27	12 11	20 1 3 36 24 19 4 23 27 17 4 56		3 16 32 0 12 2 16 56 0 9 4 17 19 0 7	2 45 0 57 3 1 0 56 3 16 0 56 3 31 0 56 3 47 0 56	7 50 1 35 7 47 1 35 7 44 1 34	21 40 1 13 21 40 1 13 21 41 1 13	23 28 0 10 23 28 0 10 23 28 0 10	22 20 0 59 22 20 0 59	0 16 15 41 0 15 15 41 0 14 15 41 0 13 15 41 0 12 15 41	0 54 0 53 0 51 0 49 0 47	0 21 22 27 0 20 22 24 0 18 22 22 0 17 22 20 0 16 22 18	17 27 5 59 17 27 6 0 17 26 6 0
W28 T 29 F 30 S 31	12 52 13 12 13 32	28 4 5 8 25 42 4 46 21 46 4 7	13 59 0 55 13 14 0 35 12 29 0 14	5 18 4 0 2 5 18 26 0s 1	4 2 0 55 4 18 0 55 4 33 0 55 4 s48 0n55	7 38 1 34 7 36 1 34 7 33 1 34	21 42 1 13 21 43 1 13 21 44 1 13	23 28 0 10 23 28 0 10 23 28 0 10	22 20 0 59 22 20 0 59 22 20 0 59 22 20 0 59 22 s20 0n59	0 12 15 40 0 11 15 40 0 10 15 40 0n 9 15n40	0 46 0 45 0 45 0 45 0n46	0 15 22 15 0 15 22 15 0 13 22 13 0 12 22 11 0n11 22n 9	17 25 6 1 17 25 6 1 17 24 6 2

Julian Day Number = 2447069.5, Delta T = 55.69 sec Ecliptic obliquity = $23^{\circ}26'37$, Nutation = - $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}34'09$, Lahiri = $23^{\circ}41'09$

NOVEMBER 1987 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	Р	r	v	Ç	ę,	Day
S 1	2 39 0	8M 1'35	8 ℋ 2	0°R 5	26MJ9	14 ♀ 57	22°R54	18 ∡ ³33	24 × 12	5 る 46	9 M 50	1 Y 56	0 Υ 24	8 Ω 20	28°R27	S 1
M 2	2 42 57	9° 1'36	22° 4	29 ≏ 11	27°34	15°36	22 Y 47	18°39	24°15	5°48	9°52	1°58	0°21	8°27	28Ⅲ25	M 2
T 3	2 46 53	10° 1'38	5 Ƴ 59	28°27	28°48	16°15	22°39	18°45	24°18	5°49	9°55	1°R58	0°17	8°33	28°23	T 3
W 4	2 50 50	11° 1'42	19°46	27°55	0 x ⁷ 3	16°54	22°32	18°51	24°21	5°50	9°57	1°57	0°14	8°40	28°21	W 4
T 5	2 54 46	12° 1'48	3 8 22	27°34	1°18	17°33	22°25	18°57	24°24	5°52	9°59	1°53	0°11	8°47	28°19	T 5
F 6	2 58 43	13° 1'55	16°44	27°D25	2°32	18°11	22°18	19° 3	24°27	5°53	10° 2	1°48	0° 8	8°53	28°16	F 6
S 7	3 2 39	14° 2'05	29°51	27°27	3°47	18°50	22°11	19°10	24°29	5°55	10° 4	1°41	0° 5	9° 0	28°14	S 7
S 8	3 6 36	15° 2'16	12∏42	27°39	5° 2	19°29	22° 4	19°16	24°32	5°57	10° 7	1°33	0° 2	9° 7	28°12	S 8
M 9	3 10 33	16° 2'30	25°16	28° 3	6°16	20° 8	21°57	19°22	24°35	5°58	10° 9	1°25	29 米 58	9°13	28°10	M 9
T 10	3 14 29	17° 2'45	7935	28°35	7°31	20°47	21°51	19°28	24°39	6° 0	10°11	1°18	29°55	9°20	28° 7	T 10
W11	3 18 26	18° 3'02	19°41	29°16	8°46	21°26	21°44	19°35	24°42	6° 1	10°14	1°12	29°52	9°27	28° 5	W11
T 12	3 22 22	19° 3'21	1 Ω 37	OM 4	10° 0	22° 5	21°38	19°41	24°45	6° 3	10°16	1° 8	29°49	9°34	28° 2	T 12
F 13	3 26 19	20° 3'42	13°27	1° 0	11°15	22°44	21°31	19°48	24°48	6° 5	10°19	1° 6	29°46	9°40	28° 0	F 13
S 14	3 30 15	21° 4'05	25°18	2° 1	12°30	23°23	21°25	19°54	24°51	6° 7	10°21	1°D 6	29°43	9°47	27°57	S 14
S 15	3 34 12	22° 4'30	7 m) 13	3° 7	13°44	24° 2	21°19	20° 1	24°54	6° 8	10°24	1° 7	29°39	9°54	27°54	S 15
M16	3 38 8	23° 4'57	19°19	4°18	14°59	24°41	21°14	20° 7	24°57	6°10	10°26	1° 8	29°36	10° 0	27°51	M16
T 17	3 42 5	24° 5'25	1 ≏ 40	5°32	16°13	25°21	21° 8	20°14	25° 1	6°12	10°28	1°R 8	29°33	10° 7	27°49	T 17
W18	3 46 2	25° 5'55	14°19	6°50	17°28	26° 0	21° 3	20°20	25° 4	6°14	10°31	1° 7	29°30	10°14	27°46	W18
T 19	3 49 58	26° 6'27	27°22	8°10	18°43	26°39	20°57	20°27	25° 7	6°15	10°33	1° 4	29°27	10°20	27°43	T 19
F 20	3 53 55	27° 7'01	10 M .47	9°33	19°57	27°18	20°52	20°34	25°10	6°17	10°35	0°59	29°23	10°27	27°40	F 20
S 21	3 57 51	28° 7'37	24°35	10°58	21°12	27°57	20°47	20°41	25°14	6°19	10°38	0°51	29°20	10°34	27°37	S 21
S 22	4 1 48	29° 8'14	8 ∡ 742	12°24	22°27	28°36	20°42	20°47	25°17	6°21	10°40	0°41	29°17	10°40	27°34	S 22
M23	4 5 44	0 ≯ 8'52	23° 3	13°52	23°41	29°15	20°38	20°54	25°20	6°23	10°42	0°31	29°14	10°47	27°30	M23
T 24	4 9 41	1° 9'32	7 云 32	15°21	24°56	29°55	20°33	21° 1	25°24	6°25	10°45	0°22	29°11	10°54	27°27	T 24
W25	4 13 38	2°10'13	22° 3	16°51	26°10	0 M .34	20°29	21° 8	25°27	6°27	10°47	0°14	29° 8	11° 1	27°24	W25
T 26	4 17 34	3°10'55	6≈28	18°22	27°25	1°13	20°25	21°15	25°31	6°29	10°49	0° 9	29° 4	11° 7	27°21	T 26
F 27	4 21 31	4°11'38	20°46	19°53	28°40	1°52	20°21	21°21	25°34	6°31	10°52	0° 6	29° 1	11°14	27°17	F 27
S 28	4 25 27	5°12'23	4) €52	21°24	29°54	2°32	20°18	21°28	25°38	6°33	10°54	0°D 5	28°58	11°21	27°14	S 28
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W11		26 49	4 52			22 19	0 34	7 34	0 51	7 3		21 51		23 30		22 20	0 59	-	15 40	0 29		21 43		6 7
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S 29	21 21	5 21	1 0	17 29	1 3	24 42	1 16	11 53	0 44	6 34	1 27	22 2	1 9	23 32	0 10	22 19	0 58	0 9	15 42	0 2	0 26	21 0	17 11	6 14
M30	21 s31	1n11	0n13	17s59	0n56	24 s43	1s18	12 s 6	0n44	6n33	1 s27	22 s 2	1n 9	23 s32	0s10	22 s 19	0n58	0s10	15n42	0n 2	0 s27	20n57	17n11	6 s 1 4

 $\label{eq:Julian Day Number = 2447100.5, Delta T = 55.74 sec} \\ Ecliptic obliquity = 23°26'36, Nutation = -0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°34'13, Lahiri = 23°41'14} \\$

DECEMBER 1987 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ [™]	24	ħ)ţ(\	Р	R	Ω	Ç	ķ	Day
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T 1	4 37 17	8 × 14'40	16 ° 2	26M 2	3 ₹ 38	4M29	20°R 8	21 × 749	25 × 748	6 궁 39	11 M 1	0°R 5	28) 49	11041	27°R 4	T 1
W 2	4 41 13	9°15'28	29°24	27°34	4°52	5° 9	20 Υ 5	21°56	25°52	6°41	11° 3	0 Υ 1	28°45	11°47	27 I 0	W 2
T 3	4 45 10	10°16'17	12835	29° 7	6° 7	5°48	20° 2	22° 3	25°55	6°43	11° 5	29 米 55	28°42	11°54	26°57	T 3
F 4	4 49 7	11°17'07	25°35	0 ∡ 741	7°21	6°27	20° 0	22°10	25°59	6°45	11° 7	29°46	28°39	12° 1	26°53	F 4
S 5	4 53 3	12°17'58	8 Ⅱ 24	2°14	8°36	7° 7	19°57	22°17	26° 2	6°47	11° 9	29°34	28°36	12° 7	26°50	S 5
S 6	4 57 0	13°18'50	21° 1	3°47	9°50	7°46	19°55	22°24	26° 6	6°49	11°12	29°21	28°33	12°14	26°46	S 6
M 7	5 0 56	14°19'44	39526	5°21	11° 5	8°25	19°53	22°31	26° 9	6°51	11°14	29° 7	28°29	12°21	26°42	M 7
T 8	5 4 53	15°20'38	15°38	6°54	12°19	9° 5	19°52	22°38	26°13	6°54	11°16	28°54	28°26	12°27	26°39	T 8
W 9	5 8 49	16°21'33	27°41	8°27	13°34	9°44	19°50	22°45	26°16	6°56	11°18	28°43	28°23	12°34	26°35	W 9
T 10	5 12 46	17°22'30	9 Ω 35	10° 1	14°48	10°24	19°49	22°52	26°20	6°58	11°20	28°35	28°20	12°41	26°31	T 10
F 11	5 16 42	18°23'28	21°24	11°35	16° 3	11° 3	19°48	23° 0	26°24	7° 0	11°22	28°29	28°17	12°48	26°28	F 11
S 12	5 20 39	19°24'26	3 m 12	13° 8	17°17	11°43	19°47	23° 7	26°27	7° 2	11°24	28°26	28°14	12°54	26°24	S 12
S 13	5 24 36	20°25'26	15° 5	14°42	18°31	12°22	19°46	23°14	26°31	7° 4	11°26	28°25	28°10	13° 1	26°20	S 13
M14	5 28 32	21°26'27	27° 7	16°16	19°46	13° 2	19°46	23°21	26°35	7° 7	11°28	28°25	28° 7	13° 8	26°16	M14
T 15	5 32 29	22°27'29	9 ॒ 25	17°50	21° 0	13°41	19°46	23°28	26°38	7° 9	11°30	28°25	28° 4	13°14	26°13	T 15
W16	5 36 25	23°28'32	22° 4	19°24	22°14	14°21	19°D46	23°35	26°42	7°11	11°32	28°23	28° 1	13°21	26° 9	W16
T 17	5 40 22	24°29'36	5 M 7	20°58	23°29	15° 0	19°46	23°42	26°45	7°13	11°34	28°19	27°58	13°28	26° 5	T 17
F 18	5 44 18	25°30'40	18°38	22°32	24°43	15°40	19°46	23°49	26°49	7°15	11°36	28°12	27°55	13°34	26° 1	F 18
S 19	5 48 15	26°31'46	2 ₹ 38	24° 6	25°57	16°19	19°47	23°56	26°53	7°18	11°38	28° 3	27°51	13°41	25°58	S 19
S 20	5 52 11	27°32'53	17° 2	25°41	27°11	16°59	19°48	24° 3	26°56	7°20	11°40	27°51	27°48	13°48	25°54	S 20
M21	5 56 8	28°34'00	1 云 47	27°15	28°26	17°39	19°49	24°11	27° 0	7°22	11°41	27°39	27°45	13°54	25°50	M21
T 22	6 0 5	29°35'08	16°42	28°50	29°40	18°18	19°50	24°18	27° 4	7°24	11°43	27°27	27°42	14° 1	25°46	T 22
W23	6 4 1	0 ප 36'16	1≈40	0 ට 25	0≈54	18°58	19°52	24°25	27° 7	7°27	11°45	27°17	27°39	14° 8	25°42	W23
T 24	6 7 58	1°37'24	16°30	2° 0	2° 8	19°38	19°53	24°32	27°11	7°29	11°47	27°10	27°35	14°14	25°39	T 24
F 25	6 11 54	2°38'32	1) 6	3°36	3°22	20°17	19°55	24°39	27°15	7°31	11°49	27° 5	27°32	14°21	25°35	F 25
S 26	6 15 51	3°39'41	15°24	5°11	4°37	20°57	19°57	24°46	27°18	7°34	11°50	27° 4	27°29	14°28	25°31	S 26
S 27	6 19 47	4°40'49	29°22	6°47	5°51	21°37	20° 0	24°53	27°22	7°36	11°52	27° 3	27°26	14°34	25°27	S 27
M28	6 23 44	5°41'58	13 ° 1	8°24	7° 5	22°16	20° 2	25° 0	27°25	7°38	11°54	27° 3	27°23	14°41	25°24	M28
T 29	6 27 40	6°43'06	26°22	10° 0	8°19	22°56	20° 5	25° 7	27°29	7°40	11°55	27° 2	27°20	14°48	25°20	T 29
W30	6 31 37	7°44'14	9828	11°37	9°33	23°36	20° 8	25°14	27°33	7°43	11°57	26°58	27°16	14°55	25°16	W30
T 31	6 35 34	8 궁 45'23	22820	13 궁 14	10≈47	24M16	20 Y 11	25 × 21	27 × 36	7 궁 45	11 M 58	26 ∺ 52	27): 13	15 Ω 1	25 Ⅱ 13	T 31

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S 13 M14 T 15 W16 T 17 F 18 S 19	23 6 23 10 23 14 23 17 23 20 23 22 23 24	1 15 0 4s37 0s5 10 28 2 16 4 3 21 5 3 5	7 23 24 0 8 23 39 0 2 23 53 0 1 24 6 0 2 24 18 1	0 40 23 38 0 46 23 28 0 52 23 17 0 58 23 5 1 4 22 53	1 38 14 56 1 40 15 9 1 41 15 21 1 42 15 33 1 43 15 45 1 44 15 57 1 45 16 9	0 38 0 38 0 37 0 37 0 37 0 36 0 36	6 27 6 27 6 27 6 28 6 28 6 28 6 29	1 23 1 23 1 23 1 22 1 22 1 22 1 21	22 9 22 9 22 9 22 10	1 8 1 8 1 8 1 8 1 8 1 8	23 34 23 34 23 34 23 34	0 10 0 10 0 10 0 10 0 10	22 17 0 58 22 17 0 58	0 15 15 46 0 15 15 46 0 15 15 47 0 15 15 47 0 16 15 47	0 38 0 38 0 38 0 39 0 40 0 43 0 47	0 45 0 46 0 47 0 49	20 17 20 15 20 12	17 7 17 6 17 6 17 6	6 17 6 17 6 17 6 17 6 17 6 17 6 18
S 20 M21 T 22 W23 T 24 F 25 S 26	-	28 25 4 5 27 5 4 4 23 50 4 19 1 3 1 13 9 2 1	9 24 45 1 3 24 52 1 8 24 57 1 6 25 0 1 2 25 3 1	1 20 22 13 1 25 21 58 1 30 21 42 1 35 21 26 1 39 21 9	1 45 16 21 1 46 16 33 1 47 16 44 1 47 16 56 1 48 17 7 1 48 17 18 1 48 17 29	0 35 0 35 0 34 0 34 0 33 0 33	6 30 6 30 6 31 6 32 6 33 6 34 6 35		22 11 22 12 22 12	1 7 1 7	23 34	0 10 0 10 0 10 0 10 0 10	22 17 0 58	0 16 15 48 0 16 15 49 0 17 15 49 0 17 15 49 0 17 15 50	0 51 0 56 1 1 1 5 1 8 1 9 1 10	0 52 0 54 0 55 0 56 0 57 0 59 1 0	20 4 20 2 19 59 19 57 19 54	17 5 17 5 17 5 17 5 17 4	6 18 6 18 6 18 6 18 6 18 6 18 6 18
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 $\label{eq:Julian Day Number = 2447130.5, Delta\ T = 55.78\ sec} \\ Ecliptic\ obliquity = 23°26'36, Nutation = -0°00'01, out-of-bounds\ declination\ in\ red\ Ayanamsha:\ Fagan/Bradley = 24°34'17, Lahiri = 23°41'18 \\$