

# Astrodienst Ephemeris Tables for the year 1997

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 1997 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)ţ(	并	Р	₽.	v	Ç	κ <sub>O</sub>	Day
W 1	6 42 44	10 ට 36 27	28 <b>m</b> /44	13°R 6	18 <b>∡</b> 727	29 <b>m</b> 14	25 <b>궁</b> 10	1 <b>Υ</b> 20	3≈16	26 <b>궁</b> 50	4 <b>₹</b> 23	2°D26	3 <b>₾</b> 3	21\$\Omega26	0ML13	W 1
T 2	6 46 41	11°37'37	10 <b>≏</b> 49	11 <b>궁</b> 46	19°42	29°34	25°24	1°23	3°19	26°52	4°25	2°R26	3° 0	21°32	0°18	T 2
F 3	6 50 37	12°38'47	23° 9	10°24	20°57	29°53	25°38	1°26	3°23	26°54	4°27	2 <b>ჲ</b> 26	2°57	21°39	0°22	F 3
S 4	6 54 34	13°39'57	5 <b>M</b> 51	9° 5	22°12	0 <b>ჲ</b> 13	25°52	1°30	3°26	26°56	4°29	2°24	2°54	21°46	0°27	S 4
S 5	6 58 30	14°41'07	19° 0	7°50	23°27	0°31	26° 6	1°33	3°30	26°59	4°31	2°20	2°51	21°52	0°32	S 5
M 6	7 2 27	15°42'18	2 <b>,</b> ₹37	6°41	24°42	0°49	26°20	1°36	3°33	27° 1	4°33	2°13	2°47	21°59	0°36	M 6
T 7	7 6 24	16°43'28	16°44	5°41	25°57	1° 7	26°34	1°40	3°36	27° 3	4°35	2° 4	2°44	22° 6	0°41	T 7
W 8	7 10 20	17°44'39	1 <b>ਰ</b> 17	4°49	27°12	1°25	26°48	1°44	3°40	27° 5	4°37	1°53	2°41	22°12	0°45	W 8
T 9	7 14 17	18°45'50	16°11	4° 7	28°28	1°41	27° 2	1°47	3°43	27° 8	4°39	1°41	2°38	22°19	0°49	T 9
F 10	7 18 13	19°47'00	1≈16	3°35	29°43	1°58	27°16	1°51	3°47	27°10	4°40	1°30	2°35	22°26	0°53	F 10
S 11	7 22 10	20°48'11	16°22	3°14	0 <b>궁</b> 58	2°14	27°30	1°55	3°50	27°12	4°42	1°22	2°32	22°32	0°57	S 11
S 12	7 26 6	21°49'20	1 <b>∺</b> 20	3° 1	2°13	2°29	27°44	1°59	3°54	27°14	4°44	1°16	2°28	22°39	1° 1	S 12
M13	7 30 3	22°50'29	16° 2	2°D58	3°28	2°45	27°58	2° 3	3°57	27°17	4°46	1°13	2°25	22°46	1° 5	M13
T 14	7 33 59	23°51'37	0 <b>Υ</b> 23	3° 4	4°43	2°59	28°12	2° 7	4° 0	27°19	4°48	1°D12	2°22	22°52	1° 8	T 14
W15	7 37 56	24°52'45	14°21	3°17	5°58	3°13	28°26	2°11	4° 4	27°21	4°49	1°12	2°19	22°59	1°12	W15
T 16	7 41 53	25°53'52	27°57	3°37	7°14	3°27	28°40	2°16	4° 7	27°23	4°51	1°R12	2°16	23° 6	1°15	T 16
F 17	7 45 49	26°54'58	11 <b>8</b> 13	4° 4	8°29	3°40	28°55	2°20	4°11	27°26	4°53	1°11	2°13	23°12	1°19	F 17
S 18	7 49 46	27°56'04	24°12	4°37	9°44	3°52	29° 9	2°25	4°14	27°28	4°54	1° 8	2° 9	23°19	1°22	S 18
S 19	7 53 42	28°57'08	6耳56	5°16	10°59	4° 4	29°23	2°29	4°18	27°30	4°56	1° 2	2° 6	23°26	1°25	S 19
M20	7 57 39	29°58'12	19°27	5°59	12°14	4°16	29°37	2°34	4°21	27°33	4°57	0°54	2° 3	23°32	1°28	M20
T 21	8 1 35	0≈59'15	19548	6°46	13°29	4°27	29°51	2°39	4°25	27°35	4°59	0°43	2° 0	23°39	1°31	T 21
W22	8 5 32	2° 0'17	14° 0	7°38	14°44	4°37	0≈ 5	2°44	4°29	27°37	5° 1	0°32	1°57	23°46	1°34	W22
T 23	8 9 28	3° 1'18	26° 5	8°33	15°59	4°47	0°19	2°48	4°32	27°39	5° 2	0°20	1°53	23°52	1°36	T 23
F 24	8 13 25	4° 2'19	8 <b>0</b> 3	9°32	17°15	4°56	0°33	2°53	4°36	27°42	5° 3	0° 9	1°50	23°59	1°39	F 24
S 25	8 17 22	5° 3'19	19°56	10°33	18°30	5° 4	0°48	2°59	4°39	27°44	5° 5	0° 0	1°47	24° 6	1°41	S 25
S 26	8 21 18	6° 4'18	1 <b>M</b> 45	11°37	19°45	5°12	1° 2	3° 4	4°43	27°46	5° 6	29 <b>m</b> 54	1°44	24°12	1°44	S 26
M27	8 25 15	7° 5'16	13°33	12°44	21° 0	5°19	1°16	3° 9	4°46	27°48	5° 8	29°50	1°41	24°19	1°46	M27
T 28	8 29 11	8° 6'13	25°22	13°52	22°15	5°26	1°30	3°14	4°50	27°51	5° 9	29°D48	1°38	24°26	1°48	T 28
W29	8 33 8	9° 7'10	7 <b>≏</b> 17	15° 3	23°30	5°32	1°44	3°20	4°53	27°53	5°10	29°48	1°34	24°33	1°50	W29
T 30	8 37 4	10° 8'06	19°21	16°15	24°45	5°37	1°58	3°25	4°57	27°55	5°12	29°49	1°31	24°39	1°52	T 30
F 31	8 41 1	11≈ 9'02	1 <b>M</b> .40	17 <b>云</b> 30	26 <b>궁</b> 1	5 <b>≏</b> 42	2≈12	<b>3</b> Υ30	5≈ 0	27 <b>궁</b> 57	5 <b>₹</b> 13	29 <b>m</b> 51	1 <u>₽</u> 28	$24\Omega 46$	1 <b>M</b> 53	F 31

W 1 23s 1 0n12 0s20 20s28 2n21 22s10 0n47 2n44 2n39 21s25 0s20 1s38 2s21 19s59 0s34 20s22 0n26 8s50 12n23 0s58 1s13 11n 7 12s T 2 22 56 3s36 0n44 20 20 2 36 22 18 0 44 2 37 2 40 21 23 0 20 1 37 2 21 19 58 0 34 20 22 06 8 50 12 24 0 58 1 12 11 5 12 1 S 1 2 1 S 4 22 44 10 50 2 47 20 8 3 0 22 33 0 39 2 24 2 42 21 18 0 20 1 35 2 21 19 56 0 34 20 21 0 26 8 50 12 24 0 57 1 9 11 21 21 21 S 5 2 23 1 3 3 3 1 40 20 5 3 8 22 40 0 37 2 18 2 44 21 15 0 20 1 37 2 21 19 56 0 34 20 21 0 26 8 50 12 24 0 57 1 9 11 2 12 1   S 5 22 38 13 56 3 40 20 5 3 8 22 40 0 37 2 18 2 44 21 15 0 20 1 34 2 21 19 56 0 34 20 21 0 26 8 50 12 24 0 57 1 9 11 2 12 1   M 6 22 31 16 23 4 23 20 3 3 14 22 46 0 34 2 12 2 45 21 18 0 20 1 37 2 21 10 30 20 1 37 2 21 10 20 1 20 26 8 50 12 24 0 57 1 9 11 2 12 1   M 6 22 31 16 23 4 23 20 3 3 14 22 46 0 34 2 12 2 45 21 18 0 20 1 30 2 20 19 55 0 34 20 21 0 26 8 50 12 24 0 57 1 9 11 2 12 1   M 6 22 31 17 57 4 51 20 2 3 17 77 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 55 0 34 20 21 0 26 8 50 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 26 8 51 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 26 8 50 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 26 8 51 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 26 8 51 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 26 8 51 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 25 8 51 12 25 0 45 1 4 10 56 12 1   T 9 22 7 17 37 4 52 20 6 3 17 22 59 0 27 1 55 2 49 21 5 0 21 1 24 2 20 19 54 0 34 20 19 0 25 8 51 12 25 0 45 1 4 10 56 12 1   T 9 22 7 1 17 37 4 52 20 6 3 1 2 14 2 3 2 2 0 4 1 49 2 50 20 12 0 21 1 24 2 20 19 5 10 34 20 19 0 25 8 51 12 25 0 45	Day	0	D	ğ	Q	♂	4	ħ	)Å(	并	Р	n	υ ţ	ķ
$ \begin{array}{c} T \ 2 \ 22 \ 56 \ 3836 \ 0n44 \ 20 \ 20 \ 2 \ 36 \ 22 \ 18 \ 0 \ 44 \ 2 \ 37 \ 2 \ 40 \ 21 \ 23 \ 0 \ 20 \ 1 \ 37 \ 2 \ 40 \ 21 \ 23 \ 0 \ 20 \ 1 \ 37 \ 2 \ 21 \ 19 \ 58 \ 0 \ 34 \ 20 \ 22 \ 0 \ 26 \ 8 \ 50 \ 12 \ 24 \ 0 \ 58 \ 1 \ 12 \ 11 \ 5 \ 12 \ 11 \ 5 \ 12 \ 15 \ 13 \ 22 \ 10 \ 20 \ 1 \ 35 \ 22 \ 10 \ 30 \ 20 \ 1 \ 30 \ 20 \ 1 \ 30 \ 20 \ 1 \ 30 \ 20 \ 10 \ 30 \ 40 \ 20 \ 10 \ 20 \ 2$		decl	decl lat	decl lat	t decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 4 22 44 10 50 2 47 20 8 3 0 22 33 0 39 2 24 2 42 21 18 0 20 1 34 2 21 19 56 0 34 20 21 0 26 8 50 12 24 0 57 1 9 11 2 12 1 S 5 2 23 8 13 56 3 40 20 5 3 8 8 22 40 0 37 2 18 2 44 21 15 0 20 1 32 2 21 19 55 0 34 20 21 0 26 8 50 12 24 0 56 1 8 11 1 12 1 M6 6 22 31 16 23 4 23 20 3 3 14 22 46 0 34 2 12 2 45 21 13 0 20 1 30 2 20 19 55 0 34 20 20 0 26 8 50 12 24 0 53 1 7 10 59 12 1 W8 22 16 18 24 5 2 20 3 3 18 22 55 0 29 2 0 2 46 21 10 0 0 20 1 29 2 20 19 54 0 34 20 20 0 26 8 50 12 25 0 49 1 5 10 58 12 1 W8 22 16 18 24 5 2 20 3 3 18 22 55 0 29 2 0 2 46 21 10 0 0 20 1 29 2 20 19 54 0 34 20 19 0 26 8 50 12 25 0 49 1 1 5 10 58 12 1 W8 22 16 18 24 5 2 20 9 3 14 23 2 5 0 27 1 155 2 49 21 5 0 21 1 26 2 20 19 51 0 34 20 19 0 25 8 51 12 25 0 44 1 3 10 55 12 1 F 10 21 59 15 36 4 22 20 9 3 14 23 2 5 0 21 1 44 2 50 21 1 26 2 20 19 51 0 34 20 18 0 25 8 51 12 25 0 36 1 1 2 10 0 53 12 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	T 2	22 56	3 s36 0n44	20 20 2	2 36 22 18 0 44	2 37 2 40	21 23 0 20	1 37 2 21	19 58 0 34	20 22 0 26	8 50 12 24	0 58	1 12 11 5	12 10 0 37
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 -													
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	M 6	22 31	16 23 4 23	3 20 3 3	3 14 22 46 0 34	2 12 2 45	21 13 0 20	1 30 2 20	19 55 0 34	20 20 0 26	8 50 12 24	0 53	1 7 10 59	12 15 0 36
S 12	T 9	22 7	17 37 4 52	2 20 6 3	3 17 22 59 0 27	1 55 2 49	21 5 0 21	1 26 2 20	19 52 0 34	20 19 0 25	8 51 12 25	0 40	1 3 10 55	12 19 0 36
M13														
T 16  20 58  8 36  2 18 20 51  2 32 23 6  0 8  1 21 2 258 20 46  0 21 1 13 2 18 19 47  0 34 20 16  0 25  8 51 12 27  0 29  0 54 10 44 12 2	M13	21 30	4 17 1 20	20 27 2	2 57 23 7 0 16	1 34 2 54	20 54 0 21	1 19 2 19	19 49 0 34	20 17 0 25	8 51 12 26	0 29	0 58 10 49	12 23 0 35
S 18  20  34  14  53  4  4  21  8  2  13  23  2  0  3  1  14  3  1  20  41  0  21  1  9  2  18  19  45  0  34  20  15  0  25  8  51  12  27  0  27  0  51  10  41  12  2	T 16	20 58	8 36 2 18	3 20 51 2	2 32 23 6 0 8	1 21 2 58	20 46 0 21	1 13 2 18	19 47 0 34	20 16 0 25	8 51 12 27	0 29	0 54 10 44	12 26 0 34
M20 20 9 18 4 4 58 21 25 1 53 22 54 0s 2 1 7 3 3 20 35 0 22 1 5 2 18 19 43 0 34 20 14 0 25 8 51 12 28 0 21 0 49 10 38 12 3 T 21 19 56 18 22 5 4 21 33 1 43 22 50 0 5 1 4 3 5 20 32 0 22 1 3 2 17 19 42 0 34 20 14 0 25 8 51 12 28 0 17 0 48 10 37 12 3 W22 19 43 17 48 4 56 21 40 1 33 22 44 0 7 1 1 1 3 6 20 29 0 22 1 1 1 2 17 19 42 0 34 20 13 0 25 8 51 12 28 0 13 0 46 10 35 12 3 T 23 19 29 16 26 4 34 21 47 1 23 22 38 0 10 0 58 3 8 20 26 0 22 0 59 2 17 19 41 0 34 20 13 0 25 8 51 12 28 0 8 0 45 10 34 12 3 F 24 19 15 14 22 4 1 12 15 3 1 13 22 32 0 12 0 56 3 9 20 23 0 22 0 57 2 17 19 40 0 34 20 13 0 25 8 51 12 29 0 4 0 44 10 32 12 3 S 25 19 0 11 43 3 17 21 58 1 3 22 24 0 15 0 54 3 10 20 20 0 22 0 54 2 17 19 39 0 34 20 12 0 25 8 51 12 29 0 0 0 0 43 10 31 12 3 S 26 18 45 8 36 2 25 22 3 0 53 22 16 0 17 0 52 3 12 20 17 0 22 0 52 2 16 19 38 0 34 20 11 0 25 8 51 12 29 0n 3 0 41 10 29 12 3 M27 18 30 5 8 1 26 22 6 0 44 22 7 0 19 0 50 3 13 20 14 0 22 0 50 2 16 19 37 0 34 20 11 0 25 8 51 12 30 0 4 0 40 10 28 12 3	S 18	20 34	14 53 4 4	21 8 2	2 13 23 2 0 3	1 14 3 1	20 41 0 21	1 9 2 18	19 45 0 34	20 15 0 25	8 51 12 27	0 27	0 51 10 41	12 28 0 33
W22	M20	20 9	18 4 4 58	3 21 25 1	1 53 22 54 0s 2	1 7 3 3	20 35 0 22	1 5 2 18	19 43 0 34	20 14 0 25	8 51 12 28	0 21	0 49 10 38	12 30 0 33
S 25   19 0   11 43   3 17   21 58   1 3 22 24   0 15   0 54   3 10 20 20   0 22   0 54   2 17   19 39   0 34   20 12   0 25   8 51   12 29   0 0 0 0 43   10 31   12 3   S 26   18 45   8 36   2 25   22   3 0 53   22 16   0 17   0 52   3 12 20 17   0 22   0 52   2 16   19 38   0 34   20 12   0 25   8 51   12 29   0 n 3   0 41   10 29   12 3   M27   18 30   5   8 1 26   22 6   0 44   22 7   0 19   0 50   3 13   20 14   0 22   0 50   2 16   19 37   0 34   20 11   0 25   8 51   12 30   0 4   0 40   10 28   12 3	T 23	19 29	16 26 4 34	21 47 1	1 23 22 38 0 10	0 58 3 8	20 26 0 22	0 59 2 17	19 41 0 34	20 13 0 25	8 51 12 28	0 8	0 45 10 34	12 32 0 32
M27   18 30   5   8   1 26   22   6   0 44   22   7   0 19   0 50   3 13   20 14   0 22   0 50   2 16 19 37   0 34   20 11   0 25   8 51   12 30   0   4   0 40 10 28   12 3														
				5 22 6 0		0 50 3 13	20 14 0 22		19 37 0 34	20 11 0 25		-	0 40 10 28	12 34 0 31
W29 17 58 2s16 0n40 22 10 0 25 21 47 0 24 0 48 3 16 20 8 0 22 0 45 2 16 19 36 0 34 20 10 0 25 8 51 12 30 0 5 0 38 10 25 12 3    T 30 17 42 5 58 1 44 22 11 0 16 21 37 0 27 0 47 3 17 20 5 0 22 0 43 2 16 19 35 0 34 20 10 0 25 8 51 12 30 0 5 0 36 10 25 12 3    F 31 17 \$26 9 \$29 2n44 22 \$11 0n 7 21 \$25 0 \$29 0n46 3n19 20 \$2 0 \$23 0 \$41 2 \$16 19 \$35 0 \$34 20 \$10 0 25 8 51 12 30 0 4 0 \$36 10 25 12 3    F 31 17 \$26 9 \$29 2n44 22 \$11 0n 7 21 \$25 0 \$29 0n46 3n19 20 \$2 0 \$23 0 \$41 2 \$16 19 \$35 0 \$34 20 \$9 0n25 8 \$51 12 31 0n 4 0 \$35 10 n22 12 \$3	W29 T 30	17 58 17 42	2s16 0n40 5 58 1 44	22 10 0 22 11 0	0 25 21 47 0 24 0 16 21 37 0 27	0 48 3 16 0 47 3 17	20 8 0 22 20 5 0 22	0 45 2 16 0 43 2 16	19 36 0 34 19 35 0 34	20 10 0 25 20 10 0 25	8 51 12 30 8 51 12 30	0 5 0 4	0 38 10 25 0 36 10 23	12 35 0 30 12 35 0 30

Julian Day Number = 2450449.5, Delta T = 62.30 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation =  $0^{\circ}00'01$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}41'54$ , Lahiri =  $23^{\circ}48'55$ 

FEBRUARY 1997 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ	)∤(	¥	Р	n	v	Ç	Ŗ	Day
S 1	8 44 57	12≈ 9'56	14 <b>M</b> J7	18 <b>궁</b> 46	27 <b>ਰ</b> 16	5 <b>≏</b> 46	2≈26	<b>3</b> Υ36	5≈ 4	28 <b>궁</b> 0	5 <b>₹</b> 14	29°R51	1 <b>≏</b> 25	24 <b>\O</b> 53	1 <b>M</b> 55	S 1
S 2	8 48 54	13°10'50	27°19	20° 3	28°31	5°49	2°40	3°42	5° 7	28° 2	5°15	29 m/50	1°22	24°59	1°57	S 2
M 3	8 52 51	14°11'44	10 <b>∡</b> 748	21°22	29°46	5°52	2°54	3°47	5°11	28° 4	5°17	29°47	1°19	25° 6	1°58	M 3
T 4	8 56 47	15°12'36	24°47	22°42	1≈ 1	5°54	3°8	3°53	5°14	28° 6	5°18	29°42	1°15	25°13	1°59	T 4
W 5	9 0 44	16°13'27	9 <b>ට</b> 15	24° 3	2°16	5°55	3°22	3°59	5°18	28° 9	5°19	29°36	1°12	25°19	2° 0	W 5
T 6	9 4 40	17°14'18	24° 7	25°25	3°31	5°R55	3°36	4° 5	5°21	28°11	5°20	29°29	1° 9	25°26	2° 1	T 6
F 7	9 8 3 7	18°15'07	9≈17	26°49	4°47	5°55	3°50	4°11	5°25	28°13	5°21	29°22	1° 6	25°33	2° 2	F 7
S 8	9 12 33	19°15'56	24°33	28°13	6° 2	5°54	4° 4	4°17	5°28	28°15	5°22	29°17	1° 3	25°39	2° 3	S 8
S 9	9 16 30	20°16'42	9 <b>){</b> 47	29°39	7°17	5°52	4°18	4°23	5°31	28°17	5°23	29°14	0°59	25°46	2° 4	S 9
M10	9 20 26	21°17'28	24°46	1≈ 5	8°32	5°49	4°32	4°29	5°35	28°19	5°24	29°D12	0°56	25°53	2° 4	M10
T 11	9 24 23	22°18'12	9 <b>Υ</b> 26	2°33	9°47	5°46	4°45	4°35	5°38	28°21	5°25	29°13	0°53	25°59	2° 5	T 11
W12	9 28 20	23°18'54	23°40	4° 1	11° 2	5°42	4°59	4°41	5°42	28°24	5°26	29°14	0°50	26° 6	2° 5	W12
T 13	9 32 16	24°19'35	7 <b>8</b> 27	5°31	12°17	5°37	5°13	4°48	5°45	28°26	5°26	29°15	0°47	26°13	2° 5	T 13
F 14	9 36 13	25°20'14	20°49	7° 1	13°32	5°31	5°27	4°54	5°49	28°28	5°27	29°R16	0°44	26°19	2°R 5	F 14
S 15	9 40 9	26°20'51	3 <b>Ⅱ</b> 49	8°33	14°47	5°25	5°41	5° 0	5°52	28°30	5°28	29°16	0°40	26°26	2° 5	S 15
S 16	9 44 6	27°21'26	16°28	10° 5	16° 2	5°17	5°54	5° 7	5°55	28°32	5°29	29°14	0°37	26°33	2° 5	S 16
M17	9 48 2	28°22'00	28°52	11°38	17°17	5° 9	6° 8	5°13	5°59	28°34	5°29	29°11	0°34	26°39	2° 5	M17
T 18	9 51 59	29°22'32	1199 4	13°12	18°33	5° 0	6°21	5°20	6° 2	28°36	5°30	29° 7	0°31	26°46	2° 4	T 18
W19	9 55 55	0 <b>)</b> €23'03	23° 6	14°47	19°48	4°51	6°35	5°26	6° 5	28°38	5°31	29° 2	0°28	26°53	2° 4	W19
T 20	9 59 52	1°23'31	5 <b>Ω</b> 1	16°22	21° 3	4°40	6°49	5°33	6° 8	28°40	5°31	28°57	0°24	26°59	2° 3	T 20
F 21	10 3 49	2°23'58	16°53	17°59	22°18	4°29	7° 2	5°40	6°12	28°42	5°32	28°52	0°21	27° 6	2° 3	F 21
S 22	10 7 45	3°24'23	28°42	19°37	23°33	4°17	7°15	5°47	6°15	28°44	5°32	28°48	0°18	27°13	2° 2	S 22
S 23	10 11 42	4°24'47	10 <b>m</b> /31	21°15	24°48	4° 4	7°29	5°53	6°18	28°46	5°33	28°45	0°15	27°19	2° 1	S 23
M24	10 15 38	5°25'08	22°22	22°55	26° 3	3°51	7°42	6° 0	6°21	28°48	5°33	28°44	0°12	27°26	2° 0	M24
T 25	10 19 35	6°25'29	4 <b>≏</b> 17	24°36	27°18	3°37	7°55	6° 7	6°24	28°50	5°34	28°D44	0° 9	27°33	1°58	T 25
W26	10 23 31	7°25'47	16°19	26°17	28°33	3°22	8° 9	6°14	6°28	28°52	5°34	28°45	0° 5	27°39	1°57	W26
T 27	10 27 28	8°26'04	28°30	28° 0	29°47	3° 6	8°22	6°21	6°31	28°53	5°35	28°47	0° 2	27°46	1°56	T 27
F 28	10 31 24	9 <b>∺</b> 26'20	10 <b>M</b> 53	29≈43	1 <b>¥</b> 2	2 <b>≏</b> 50	8 <b>≈</b> 35	6 <b>Υ</b> 28	6≈34	28 <b>궁</b> 55	5 <b>₹</b> 35	28 <b>m</b> /48	29 <b>m</b> 59	27 <b>Ω</b> 53	1 <b>M</b> 54	F 28

Day	0	2	)	ζ	5	9	2	ď	7	2	ŀ	ħ	1	)į	<del>j</del> (	Ä	ŧ,	Е	<u>-</u>	ß	u	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
S 1	17s 9	12 s40	3n37	22 s 9	0 s 2	21s13	0 s 3 1	0n46	3n20	19 s 5 9	0 s23	0s39	2s15	19 s33	0s34	20s 9	0n25	8 s 5 1	12n31	0n 4	0 s34	10n20	12 s36	0 s29
S 2	16 52	15 19	4 21	22 6	0 10	21 0	0 34	0 46	3 21	19 56	0 23	0 36	2 15	19 32	0 34	20 8	0 25	8 50	12 31	0 4	0 32	10 19	12 36	0 29
M 3	16 34	17 14	4 53	22 3	0 18	20 47	0 36	0 46	3 23	19 53	0 23	0 34	2 15	19 31	0 34	20 8	0 25	8 50	12 32	0 5	0 31	10 17	12 36	0 29
T 4	16 16	18 12	5 8	21 58	0 26	20 33	0 38	0 47	3 24	19 50	0 23	0 31	2 15	19 31	0 34	20 8	0 25	8 50	12 32	0 7	0 30	10 15	12 37	0 29
W 5	15 58	18 3	5 5	21 51	0 34	20 18	0 40	0 48	3 25	19 46	0 23	0 29	2 15	19 30	0 34	20 7	0 25	8 50	12 32	0 10	0 29	10 14	12 37	0 28
T 6	15 40	16 40	4 42	21 44	0 42	2 20 3	0 42	0 49	3 27	19 43	0 23	0 26	2 15	19 29	0 34	20 7	0 25	8 50	12 33	0 12	0 27	10 12	12 37	0 28
F 7	15 21	14 6	3 58	21 35	0 49	19 47	0 45	0 50	3 28	19 40	0 23	0 24	2 15	19 28	0 34	20 6	0 25	8 50	12 33	0 15	0 26	10 11	12 37	0 28
S 8	15 3	10 33	2 57	21 26	0 56	19 31	0 47	0 52	3 29	19 37	0 23	0 21	2 14	19 27	0 34	20 6	0 25	8 50	12 33	0 17	0 25	10 9	12 37	0 27
S 9	14 43	6 18	1 44	21 14	1 2	19 14	0 49	0 53	3 30	19 34	0 24	0 19	2 14	19 26	0 34	20 5	0 25	8 49	12 34	0 18	0 24	10 8	12 37	0 27
M10	14 24	1 42	0 24	21 2	1 9	18 57	0 51	0 56	3 32	19 31	0 24	0 16	2 14	19 26	0 34	20 5	0 25	8 49	12 34	0 19	0 22	10 6	12 37	0 27
T 11	14 5	2n53	0s56	20 48	1 15	18 39	0 53	0 58	3 33	19 27	0 24	0 14	2 14	19 25	0 34	20 5	0 25	8 49	12 34	0 19	0 21	10 5	12 37	0 27
W12	13 45	7 11	2 10	20 33	1 21	18 20	0 55	1 1	3 34	19 24	0 24	0 11	2 14	19 24	0 34	20 4	0 25	8 49	12 35	0 18	0 20	10 3	12 36	0 26
T 13	13 25	10 57	3 14	20 17	1 26	5 18 1	0 56	1 4	3 35	19 21	0 24	0 9	2 14	19 23	0 34	20 4	0 25	8 49	12 35	0 18	0 19	10 2	12 36	0 26
F 14	13 4	14 1	4 5	19 59	1 32	17 41	0 58	1 7	3 36	19 18	0 24	0 6	2 14	19 22	0 34	20 3	0 25	8 48	12 35	0 17	0 17	10 0	12 36	0 26
S 15	12 44	16 17	4 43	19 41	1 36	17 21	1 0	1 11	3 37	19 14	0 24	0 3	2 14	19 22	0 34	20 3	0 25	8 48	12 36	0 17	0 16	9 58	12 36	0 25
S 16	12 23	17 41	5 5	19 20	1 41	17 0	1 2	1 14	3 38	19 11	0 24	0 1	2 13	19 21	0 34	20 3	0 25	8 48	12 36	0 18	0 15	9 57	12 35	0 25
M17	12 2	18 13	5 13	18 59	1 45	16 39	1 3	1 19	3 39	19 8	0 24	0n 2	2 13	19 20	0 34	20 2	0 25	8 48	12 36	0 19	0 14	9 55	12 35	0 25
T 18	11 41	17 54	5 6	18 36	1 49	16 18	1 5	1 23	3 40	19 5	0 25	0 5	2 13	19 19	0 34	20 2	0 25	8 48	12 37	0 21	0 12	9 54	12 35	0 24
W19	11 20	16 46	4 46	18 12	1 53	15 56	1 6	1 28	3 41	19 1	0 25	0 7	2 13	19 18	0 34	20 1	0 25	8 47	12 37	0 23	0 11	9 52	12 34	0 24
T 20	10 59	14 54	4 13	17 46	1 56	15 33	1 8	1 33	3 42	18 58	0 25	0 10	2 13	19 18	0 34	20 1	0 25	8 47	12 37	0 25	0 10	9 51	12 34	0 24
F 21	10 37	12 26	3 30	17 20	1 59	15 10	1 9	1 38	3 43	18 55	0 25	0 13	2 13	19 17	0 34	20 0	0 25	8 47	12 38	0 27	0 8	9 49	12 33	0 23
S 22	10 15	9 27	2 38	16 51	2 2	14 47	1 11	1 43	3 44	18 52	0 25	0 16	2 13	19 16	0 34	20 0	0 25	8 47	12 38	0 29	0 7	9 48	12 32	0 23
S 23	9 53	6 6	1 39	16 22	2 4	14 23	1 12	1 49	-	18 48	0 25	0 18	2 13	19 15	0 34	20 0	0 25	8 46	12 38	0 30	0 6	9 46	12 32	0 23
M24	9 31	2 29	0 35	15 51	2 5	13 59	1 13	1 55	3 45	18 45	0 25	0 21	2 13	19 14	0 35	19 59	0 25	8 46	12 39	0 30	0 5	9 44	12 31	0 23
T 25	9 9	1s14	0n31	15 19	2 7	13 35	1 15	2 1	3 46	18 42	0 25	0 24	2 13	19 14	0 35	19 59	0 25	8 46	12 39	0 30	0 3	9 43	12 30	0 22
W26	8 47	4 57	1 36	14 45	2 8	13 10	1 16	2 7	3 46	18 38	0 25	0 27	2 12	19 13	0 35	19 59	0 25	8 45	12 40	0 30	0 2	9 41	12 30	0 22
T 27	8 24	8 29	2 37	14 11	2 8	12 45	1 17	2 14	3 47	18 35	0 26	0 30	2 12	19 12	0 35	19 58	0 25	8 45	12 40	0 29	0 1	9 40	12 29	0 22
F 28	8s 2	11 s43	3n33	13 s35	2s 9	12s19	1 s 1 8	2n21	3n47	18 s32	0 s26	0n32	2s12	19 s11	0s35	19s58	0n25	8 s45	12n40	0n29	0n 0	9n38	12 s28	$0\mathrm{s}21$

Julian Day Number = 2450480.5, Delta T = 62.36 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation =  $0^{\circ}00'02$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}41'59$ , Lahiri =  $23^{\circ}48'59$ 

MARCH 1997 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ	)ţ(	卉	Р	S.	Ω	Ç	ķ	Day
S 1	10 35 21	10 <b>)</b> 26'34	23 <b>M</b> 33	1 <b>米</b> 28	2 <b>)</b> 17	2°R33	8≈48	6 <b>Υ</b> 35	6≈37	28 <b>궁</b> 57	5 <b>₹</b> 35	28 Mp 49	29 <b>m</b> 56	27 <b>Ω</b> 59	1°R53	S 1
S 2	10 39 18	11°26'47	6 <b>₹</b> 32	3°13	3°32	2 <b>₽</b> 16	9° 1	6°42	6°40	28°59	5°35	28°R50	29°53	28° 6	1 <b>ML</b> 51	S 2
M 3	10 43 14	12°26'58	19°54	5° 0	4°47	1°57	9°14	6°49	6°43	29° 1	5°36	28°50	29°50	28°13	1°49	M 3
T 4	10 47 11	13°27'08	3 <b>云</b> 42	6°48	6° 2	1°38	9°27	6°56	6°46	29° 3	5°36	28°49	29°46	28°19	1°47	T 4
W 5	10 51 7	14°27'16	17°55	8°36	7°17	1°19	9°40	7° 3	6°49	29° 4	5°36	28°48	29°43	28°26	1°45	W 5
T 6	10 55 4	15°27'22	2≈31	10°26	8°32	0°59	9°53	7°10	6°52	29° 6	5°36	28°46	29°40	28°33	1°43	T 6
F 7	10 59 0	16°27'27	17°26	12°17	9°47	0°39	10° 6	7°17	6°55	29° 8	5°36	28°45	29°37	28°39	1°41	F 7
S 8	11 2 57	17°27'31	2 <b>∺</b> 34	14° 9	11° 2	0°18	10°18	7°25	6°58	29° 9	5°36	28°43	29°34	28°46	1°38	S 8
S 9	11 653	18°27'32	17°44	16° 2	12°17	29 <b>m</b> 56	10°31	7°32	7° 1	29°11	5°R36	28°43	29°30	28°53	1°36	S 9
M10	11 10 50	19°27'31	2 <b>Υ</b> 47	17°56	13°31	29°34	10°44	7°39	7° 3	29°13	5°36	28°D42	29°27	28°59	1°33	M10
T 11	11 14 46	20°27'29	17°35	19°51	14°46	29°12	10°56	7°46	7° 6	29°14	5°36	28°43	29°24	29° 6	1°31	T 11
W12	11 18 43	21°27'24	2 <b>8</b> 0	21°47	16° 1	28°50	11° 9	7°54	7° 9	29°16	5°36	28°43	29°21	29°13	1°28	W12
T 13	11 22 40	22°27'17	16° 0	23°44	17°16	28°27	11°21	8° 1	7°12	29°17	5°36	28°44	29°18	29°19	1°25	T 13
F 14	11 26 36	23°27'08	29°33	25°42	18°31	28° 4	11°33	8° 8	7°14	29°19	5°36	28°45	29°15	29°26	1°22	F 14
S 15	11 30 33	24°26'57	12 <b>Ⅱ</b> 40	27°40	19°45	27°41	11°45	8°16	7°17	29°20	5°35	28°45	29°11	29°33	1°19	S 15
S 16	11 34 29	25°26'44	25°24	29°39	21° 0	27°17	11°58	8°23	7°20	29°22	5°35	28°R45	29° 8	29°39	1°16	S 16
M17	11 38 26	26°26'28	79548	1 <b>Y</b> 38	22°15	26°54	12°10	8°31	7°22	29°23	5°35	28°45	29° 5	29°46	1°13	M17
T 18	11 42 22	27°26'10	19°57	3°38	23°30	26°30	12°22	8°38	7°25	29°25	5°35	28°45	29° 2	29°53	1° 9	T 18
W19	11 46 19	28°25'50	1 <b>Q</b> 55	5°38	24°44	26° 7	12°34	8°45	7°27	29°26	5°34	28°D45	28°59	29°59	1° 6	W19
T 20	11 50 15	29°25'27	13°46	7°37	25°59	25°43	12°45	8°53	7°30	29°28	5°34	28°45	28°55	0 <b>m</b> ) 6	1° 3	T 20
F 21	11 54 12	0 <b>Υ</b> 25'03	25°35	9°36	27°14	25°20	12°57	9° 0	7°32	29°29	5°34	28°45	28°52	0°13	0°59	F 21
S 22	11 58 9	1°24'36	7 <b>m</b> 23	11°35	28°28	24°57	13° 9	9° 8	7°35	29°30	5°33	28°45	28°49	0°19	0°55	S 22
S 23	12 2 5	2°24'07	19°15	13°32	29°43	24°33	13°20	9°15	7°37	29°31	5°33	28°45	28°46	0°26	0°52	S 23
M24	12 6 2	3°23'36	1 <b>≏</b> 12	15°27	0 <b>Υ</b> 58	24°10	13°32	9°23	7°40	29°33	5°32	28°R45	28°43	0°33	0°48	M24
T 25	12 9 58	4°23'03	13°17	17°21	2°12	23°48	13°43	9°30	7°42	29°34	5°32	28°45	28°40	0°39	0°44	T 25
W26	12 13 55	5°22'27	25°31	19°13	3°27	23°25	13°55	9°38	7°44	29°35	5°31	28°45	28°36	0°46	0°40	W26
T 27	12 17 51	6°21'50	7 <b>M</b> 56	21° 2	4°42	23° 3	14° 6	9°45	7°46	29°36	5°30	28°44	28°33	0°53	0°36	T 27
F 28	12 21 48	7°21'11	20°34	22°47	5°56	22°41	14°17	9°53	7°49	29°37	5°30	28°43	28°30	0°59	0°33	F 28
S 29	12 25 44	8°20'31	3 <b>₹</b> 25	24°30	7°11	22°20	14°28	10° 0	7°51	29°39	5°29	28°42	28°27	1° 6	0°28	S 29
S 30	12 29 41	9°19'48	16°32	26° 8	8°25	21°59	14°39	10° 8	7°53	29°40	5°28	28°41	28°24	1°12	0°24	S 30
M31	12 33 38	10 <b>Y</b> 19'04	29 <b>х</b> 56	27 <b>Y</b> 42	9 <b>Ƴ</b> 40	21 <b>m</b> 39	14≈50	10 <b>Y</b> 15	7 <b>≈</b> 55	29 <b>궁</b> 41	5 <b>₹</b> 28	28 Mp 40	28 <b>m</b> 21	1 <b>m</b> 19	0 <b>M</b> 20	M31

Day	0	D		ğ	9	2	ď	и	2	ł	ħ		);	<del>j</del> (	4	ſ	Р		U	Ω	Ç	ď	
	decl	decl lat	de	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	lat	decl	decl	decl	decl	lat
S 1	7 s39	14 s29 4ı	n19 12s	57 2s	8 11 s53	1 s 1 9	2n28	3n48	18 s28	0 s26	0n35	2 s 1 2	19 s11	0 s35	19s57	0n25	8 s45	12n41	0n28	0n 2	9n37	12 s27	0 s21
S 2	7 16	16 35 4	53 12	18 2	8 11 27	1 20	2 35	3 48	18 25	0 26	0 38	2 12	19 10	0 35	19 57	0 25	8 44	12 41	0 28	0 3	9 35	12 26	0 21
M 3	6 53	17 51 5	13 11	38 2	6 11 0	1 21	2 43	3 48	18 22	0 26	0 41	2 12	19 9	0 35	19 57	0 25	8 44	12 41	0 28	0 4	9 33	12 25	0 20
T 4	6 30	18 8 5		57 2	5 10 34	1 22	2 50	3 48	18 18	0 26	0 44	2 12	19 8	0 35	19 56	0 25	-	12 42	0 28	0 5		12 24	0 20
W 5	6 7			14 2	2 10 7	1 22	2 58	3 48	18 15	0 26	0 47	2 12	19 8	0 35	19 56	0 25	-	12 42	0 29	0 7		12 23	0 20
T 6	5 44	-		30 2	0 9 39	1 23	3 6	3 48		0 27	0 50	2 12		0 35	19 56	0 25	-	12 42	0 29	0 8		12 22	0 19
F 7				-	57 9 12	1 24	3 14	3 48		0 27	0 53	2 12			19 55	0 25	-	12 43	0 30	0 9		12 21	0 19
S 8	4 57	8 23 2	20 7	58 1	53 8 44	1 24	3 22	3 48	18 5	0 27	0 55	2 12	19 5	0 35	19 55	0 25	8 42	12 43	0 30	0 10	9 26	12 20	0 19
S 9	4 34	3 55 1	1 7	11 1	49 8 16	1 25	3 30	3 48	18 2	0 27	0 58	2 12	19 5	0 35	19 55	0 25	8 42	12 43	0 31	0 12	9 24	12 19	0 18
M10	4 10	0n46 0	s23 6	22 1	44 7 47	1 25	3 39	3 47	17 59	0 27	1 1	2 12	19 4	0 35	19 54	0 25	8 42	12 44	0 31	0 13	9 22	12 18	0 18
T 11	3 47	5 19 1	43 5	32 1	39 7 19	1 25	3 47	3 47	17 55	0 27	1 4	2 12	19 3	0 35	19 54	0 25	8 41	12 44	0 31	0 14	9 21	12 16	0 18
W12	3 23	9 26 2	55 4	41 1	33 6 50	1 26	3 55	3 46	17 52	0 27	1 7	2 12	19 3	0 35	19 54	0 25	8 41	12 44	0 30	0 16	9 19	12 15	0 17
T 13	3 0	12 54 3	54 3	49 1	27 6 21	1 26	4 4	3 45	17 49	0 27	1 10	2 11	19 2	0 35	19 53	0 25	8 41	12 45	0 30	0 17	9 18	12 14	0 17
F 14	2 36	15 32 4	38 2	56 1	20 5 52	1 26	4 12	3 45	17 46	0 28	1 13	2 11	19 1	0 35	19 53	0 25	8 40	12 45	0 30	0 18	9 16	12 12	0 17
S 15	2 12	17 16 5	6 2	2 1	12 5 23	1 26	4 21	3 44	17 42	0 28	1 16	2 11	19 1	0 35	19 53	0 25	8 40	12 45	0 30	0 19	9 14	12 11	0 16
S 16	1 49	18 4 5	17 1	7 1	4 4 53	1 26	4 29	3 43	17 39	0 28	1 19	2 11	19 0	0 35	19 52	0 25	8 39	12 46	0 30	0 21	9 13	12 10	0 16
M17	1 25	17 59 5	14 0	12 0	56 4 24	1 26	4 38	3 42	17 36	0 28	1 22	2 11	18 59	0 35	19 52	0 25	8 39	12 46	0 30	0 22	9 11	12 8	0 16
T 18	1 1	17 4 4	57 On	144 0	47 3 54	1 26	4 46	3 41	17 33	0 28	1 25	2 11	18 59	0 35	19 52	0 25	8 39	12 46	0 30	0 23	9 10	12 7	0 15
W19		-	-	40 0	37 3 24	1 26	4 54		17 29	0 28	1 28	2 11	18 58		19 51	0 25		12 47	0 30	0 24	9 8	-	0 15
T 20	0 14		45 2			1 26	5 2	3 38		0 29	1 31	2 11	18 58			0 25	8 38		0 30	0 26	9 6		0 15
F 21	0n10			33 0		1 26	5 10			0 29	1 34	2 11	18 57	0 35		0 25	8 38		0 30	0 27	9 5		0 14
S 22	0 34	7 0 1	56 4	30 0	5 1 55	1 25	5 18	3 35	17 20	0 29	1 36	2 11	18 56	0 35	19 51	0 25	8 37	12 48	0 30	0 28	9 3	12 1	0 14
S 23	0 57	3 27 0	53 5	26 On	6 1 25	1 25	5 26	3 34	17 17	0 29	1 39	2 11	18 56	0 35	19 50	0 25	8 37	12 48	0 30	0 29	9 2	11 59	0 13
M24	1 21	0s16 0ı	n14 6	21 0	18 0 54	1 24	5 34	3 32	17 14	0 29	1 42	2 11	18 55	0 35	19 50	0 25	8 36	12 48	0 30	0 31	9 0	11 57	0 13
T 25	1 45	4 1 1	20 7	16 0	29 0 24	1 24	5 41	3 30	17 10	0 29	1 45	2 11	18 55	0 35	19 50	0 25	8 36	12 49	0 30	0 32	8 58	11 56	0 13
W26	2 8			10 0	42 0n 6	1 23	5 48	3 29		0 29	1 48	2 11	18 54	0 35		0 25		12 49	0 30	0 33		11 54	0 12
T 27					54 0 36	1 23	5 55	3 27	17 4	0 30	1 51	2 11	18 54	0 35		0 25		12 49	0 30	0 35		11 52	0 12
F 28	2 55			53 1	6 1 6	1 22	6 2	3 25		0 30	1 54	2 11	18 53			0 25	8 35		0 31	0 36		11 51	0 12
S 29	3 18	16 8 4	47 10	42 1	18 1 36	1 21	6 9	3 23	16 58	0 30	1 57	2 11	18 52	0 35	19 49	0 25	8 34	12 50	0 31	0 37	8 52	11 49	0 11
S 30	3 42	17 37 5	10 11	29 1	30 2 6	1 20	6 15	3 21	16 55	0 30	2 0	2 11	18 52	0 35	19 49	0 25	8 34	12 50	0 32	0 38	8 50	11 47	0 11
M31	4n 5	18s 9 5ı	n17 12n	14 1n	41 2n37	1 s 1 9	6n21	3n19	16 s 5 2	0 s30	2n 3	2s11	18 s51	0 s 3 5	19 s48	0n25	8 s 3 4	12n50	0n32	0n40	8n49	11s45	0 s11

 $\label{eq:Julian Day Number = 2450508.5, Delta T = 62.41 sec} \\ Ecliptic obliquity = 23°26'14, Nutation = 0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°42'02, Lahiri = 23°49'03 \\$ 

APRIL 1997 00:00 UT

AI IV.	TE 1991	,													00.0	0 01
Day	Sid.t	0	D	ğ	ρ	ď	4	ħ	)ţ(	卉	В	V	ß	Ç	ę,	Day
T 1	12 37 34	11 <b>Y</b> 18'18	13 <b>云</b> 38	29Υ11	10 <b>Y</b> 54	21°R19	15≈ 1	10 <b>Υ</b> 23	7≈57	29 <b>궁</b> 42	5°R27	28°D40	28 <b>m</b> 17	1 Mp 26	0°R16	T 1
W 2	12 41 31	12°17'30	27°39	0 <b>8</b> 35	12° 9	20 <b>m</b> 59	15°11	10°31	7°59	29°43	5 <b>₹</b> 26	28 <b>m</b> /40	28°14	1°32	0 <b>M</b> .12	W 2
T 3	12 45 27	13°16'40	11≈57	1°54	13°23	20°41	15°22	10°38	8° 1	29°44	5°25	28°41	28°11	1°39	0° 7	T 3
F 4	12 49 24	14°15'49	26°31	3° 8	14°38	20°22	15°32	10°46	8° 3	29°45	5°25	28°42	28° 8	1°46	0° 3	F 4
S 5	12 53 20	15°14'56	11 <b>米</b> 15	4°15	15°52	20° 5	15°43	10°53	8° 5	29°46	5°24	28°43	28° 5	1°52	29 <b>₽</b> 59	S 5
S 6	12 57 17	16°14'01	26° 6	5°16	17° 7	19°48	15°53	11° 1	8° 6	29°46	5°23	28°R44	28° 1	1°59	29°54	S 6
M 7	13 1 13	17°13'04	10 <b>Y</b> 54	6°12	18°21	19°31	16° 3	11°8	8° 8	29°47	5°22	28°43	27°58	2° 6	29°50	M 7
T 8	13 5 10	18°12'05	25°34	7° 1	19°35	19°16	16°13	11°16	8°10	29°48	5°21	28°42	27°55	2°12	29°45	T 8
W 9	13 9 6	19°11'04	9 <b>8</b> 58	7°43	20°50	19° 1	16°23	11°23	8°12	29°49	5°20	28°40	27°52	2°19	29°41	W 9
T 10	13 13 3	20°10'00	24° 0	8°19	22° 4	18°47	16°33	11°31	8°13	29°50	5°19	28°37	27°49	2°26	29°36	T 10
F 11	13 17 0	21° 8'55	7 <b>Ⅱ</b> 38	8°48	23°19	18°33	16°43	11°38	8°15	29°50	5°18	28°34	27°46	2°32	29°32	F 11
S 12	13 20 56	22° 7'48	20°51	9°11	24°33	18°21	16°52	11°45	8°16	29°51	5°17	28°31	27°42	2°39	29°27	S 12
S 13	13 24 53	23° 6'38	39540	9°27	25°47	18° 9	17° 2	11°53	8°18	29°52	5°16	28°28	27°39	2°46	29°22	S 13
M14	13 28 49	24° 5'26	16° 8	9°36	27° 1	17°58	17°11	12° 0	8°19	29°52	5°15	28°27	27°36	2°52	29°18	M14
T 15	13 32 46	25° 4'12	28°19	9°R39	28°16	17°47	17°20	12° 8	8°21	29°53	5°13	28°D27	27°33	2°59	29°13	T 15
W16	13 36 42	26° 2'55	$10\Omega 17$	9°36	29°30	17°38	17°29	12°15	8°22	29°53	5°12	28°27	27°30	3° 6	29° 8	W16
T 17	13 40 39	27° 1'36	22° 8	9°27	0 <b>8</b> 44	17°29	17°38	12°23	8°23	29°54	5°11	28°29	27°27	3°12	29° 4	T 17
F 18	13 44 35	28° 0'15	3 <b>m</b> 56	9°13	1°58	17°21	17°47	12°30	8°25	29°54	5°10	28°31	27°23	3°19	28°59	F 18
S 19	13 48 32	28°58'52	15°46	8°53	3°13	17°14	17°56	12°37	8°26	29°55	5° 9	28°32	27°20	3°26	28°54	S 19
S 20	13 52 29	29°57'27	27°42	8°28	4°27	17° 7	18° 4	12°45	8°27	29°55	5° 7	28°R33	27°17	3°32	28°50	S 20
M21	13 56 25	0 <b>8</b> 55'59	9 <b>≏</b> 47	7°59	5°41	17° 2	18°13	12°52	8°28	29°55	5° 6	28°32	27°14	3°39	28°45	M21
T 22	14 0 22	1°54'30	22° 3	7°26	6°55	16°57	18°21	12°59	8°29	29°56	5° 5	28°30	27°11	3°46	28°40	T 22
W23	14 4 18	2°52'59	4 <b>M</b> .33	6°51	8° 9	16°53	18°29	13° 6	8°30	29°56	5° 4	28°26	27° 7	3°52	28°36	W23
T 24	14 8 15	3°51'25	17°17	6°13	9°23	16°50	18°38	13°14	8°31	29°56	5° 2	28°21	27° 4	3°59	28°31	T 24
F 25	14 12 11	4°49'51	0 <b>√</b> 15	5°33	10°37	16°47	18°45	13°21	8°32	29°57	5° 1	28°15	27° 1	4° 6	28°26	F 25
S 26	14 16 8	5°48'14	13°27	4°53	11°51	16°46	18°53	13°28	8°33	29°57	5° 0	28° 9	26°58	4°12	28°22	S 26
S 27	14 20 4	6°46'36	26°52	4°12	13° 5	16°45	19° 1	13°35	8°34	29°57	4°58	28° 4	26°55	4°19	28°17	S 27
M28	14 24 1	7°44'56	10 <b>궁</b> 29	3°32	14°19	16°D44	19° 8	13°42	8°35	29°57	4°57	27°59	26°52	4°26	28°13	M28
T 29	14 27 58	8°43'14	24°18	2°54	15°34	16°45	19°16	13°49	8°35	29°57	4°55	27°56	26°48	4°32	28° 8	T 29
W30	14 31 54	9 <b>8</b> 41'31	8≈16	2817	16 <b>8</b> 48	16 <b>M</b> 46	19≈23	13 <b>Y</b> 56	8 <b>≈</b> 36	29 <b>る</b> 57	4 <b>₹</b> 754	27°D56	26Mp45	4 <b>m</b> 39	28 <b>♀</b> 4	W30

Day	0	D	ğ	φ	ď	4	ħ	)Å(	卉	Р	y v	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	decl	decl lat
T 1 W 2 T 3	4n28 4 51	17s39 5n 6 16 6 4 38 13 30 3 51	12n56 1n52 13 36 2 3 14 13 2 13	3 37 1 17 6	33 3 14	16 s49 0 s30 16 46 0 31 16 43 0 31	2n 6 2s11 2 9 2 11 2 12 2 11	18 50 0 35		8 s 3 3 12 n 5 1 8 3 3 12 5 1 8 3 2 12 5 1	0n32 0n4 0 32 0 4 0 31 0 4	8 46	11 s43 0 s10 11 42 0 10 11 40 0 9
F 4 S 5	5 37 6 0	10 1 2 49	-	4 36 1 15 6		16 40 0 31	2 15 2 11 2 15 2 11 2 18 2 11	18 50 0 36	19 48 0 25	8 32 12 51 8 32 12 52 8 32 12 52	0 31 0 4 0 31 0 4	8 42	11 38 0 9
S 6 M 7 T 8	6 23 6 46 7 8	1 20 0 15 3n17 1s 7 7 40 2 23	15 47 2 39 16 12 2 46 16 34 2 52	5 36 1 13 6 6 5 1 12 6 6 35 1 10 3		16 31 0 31	2 20 2 11 2 23 2 11 2 26 2 11	18 48 0 36	19 47 0 25	8 31 12 52 8 31 12 52 8 30 12 53	0 30 0 4 0 31 0 4 0 31 0 5	8 8 38	11 34 0 8 11 32 0 8 11 30 0 8
W 9 T 10 F 11	7 53	11 30 3 29 14 34 4 20 16 44 4 54	16 52 2 57 17 8 3 1 17 20 3 4	7 4 1 9 7 33 1 7 8 2 1 6		16 23 0 32 16 20 0 32	2 32 2 12 2 35 2 12	18 47 0 36 18 47 0 36 18 47 0 36	19 46 0 25	8 30 12 53 8 30 12 53 8 29 12 53	0 32 0 5 0 33 0 5 0 34 0 5	8 33	
S 12 S 13 M14	8 59	17 30 5 0	17 34 3 5 17 36 3 4	8 59 1 3 9 28 1 1	7 15 2 47 7 17 2 44	16 12 0 33	2 41 2 12 2 43 2 12		19 46 0 25 19 46 0 25	8 29 12 54 8 28 12 54 8 28 12 54	0 36 0 5 0 37 0 5 0 37 0 5	8 28 7 8 26	11 22 0 6 11 20 0 6 11 18 0 5
T 15 W16 T 17 F 18	9 42 10 4 10 25 10 46	13 53 3 55 11 11 3 7	17 29 2 57 17 21 2 52	10 24 0 58 1 10 51 0 56	7 18 2 42 7 20 2 39 7 21 2 36 7 21 2 34	16 7 0 33 16 4 0 33	2 52 2 12	18 45 0 36 18 45 0 36 18 45 0 36 18 44 0 36	19 46 0 25 19 46 0 25	8 28 12 54 8 27 12 54 8 27 12 55 8 26 12 55	0 37 0 5 0 37 1 0 36 1 0 35 1	8 23 1 8 21	11 14 0 5
S 19 S 20 M21	11 7 11 27 11 48	0 51 0 5	16 39 2 27	12 13 0 50	22 2 31 2 22 2 28 2 21 2 26		3 0 2 12		19 45 0 25 19 45 0 25 19 45 0 25	8 26 12 55 8 26 12 55 8 25 12 55	0 35 1 0 35 1 0 35 1	4 8 18 5 8 16 6 8 15	11 6 0 3
T 22 W23 T 24	12 8 12 28 12 48	6 39 2 5 10 9 3 4	15 56 2 4 15 32 1 50	13 5 0 46 1 13 31 0 44	21 2 23	15 52 0 34 15 50 0 34	3 6 2 12	18 43 0 36 18 43 0 36	19 45 0 25 19 45 0 25	8 25 12 56 8 24 12 56 8 24 12 56	0 36 1 0 37 1 0 39 1 1	7 8 13 9 8 11	11 2 0 2
F 25 S 26	13 8 13 27	15 43 4 35 17 26 5 1	14 38 1 20 14 9 1 4	14 22 0 40 14 47 0 38	7 17 2 15 7 16 2 13	15 45 0 35 15 43 0 35	3 14 2 13 3 17 2 13	18 43 0 36 18 42 0 36	19 45 0 25 19 45 0 25	8 24 12 56 8 23 12 56	0 42 1 1 0 44 1 1	8 8 8 8 6	10 56 0 1 10 54 0 1
S 27 M28 T 29 W30	14 6 14 24	17 59 5 3 16 41 4 39	12 41 0 13	15 36 0 34 16 0 0 32	7 12 2 7 7 9 2 5		3 22 2 13 3 25 2 13	18 42 0 36	19 45 0 25	8 23 12 56 8 23 12 56 8 22 12 57 8 8 22 12 n57	0 46 1 1 0 48 1 1 0 49 1 1 0n50 1n1	5 8 3 6 8 2	10 52 0 1 10 50 0 0 10 48 0n 0 10 46 0n 1

Julian Day Number = 2450539.5, Delta T = 62.47 sec Ecliptic obliquity =  $23^{\circ}26'14$ , Nutation = -0°00'01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'07$ , Lahiri =  $23^{\circ}49'07$ 

MAY 1997 00:00 UT

Day	Sid.t	0	D	ğ	P	ď	4	ħ	)Å(	¥	Р	₽.	Ω	Ç	Ŷ,	Day
T 1	14 35 51	10839'47	22≈23	1°R43	188 1	16 <b>m</b> /48	19≈30	14 <b>Y</b> 3	8≈37	29 <b>궁</b> 57	4°R53	27 Mp 56	26 Mp 42	4 Mp 46	27°R59	T 1
F 2	14 39 47	11°38'01	6 <b>∺</b> 39	1812	19°15	16°51	19°37	14°10	8°37	29°R57	4 <b>₹</b> 51	27°57	26°39	4°52	27 <b>≏</b> 55	F 2
S 3	14 43 44	12°36'13	21° 0	0°44	20°29	16°54	19°44	14°17	8°38	29°57	4°50	27°R58	26°36	4°59	27°50	S 3
S 4	14 47 40	13°34'24	5 <b>Υ</b> 25	0°21	21°43	16°58	19°50	14°24	8°38	29°57	4°48	27°58	26°32	5° 5	27°46	S 4
M 5	14 51 37	14°32'34	19°49	0° 1	22°57	17° 3	19°57	14°31	8°39	29°57	4°47	27°56	26°29	5°12	27°42	M 5
T 6	14 55 33	15°30'42	4 <b>8</b> 7	29 <b>Y</b> 46	24°11	17° 9	20° 3	14°38	8°39	29°57	4°45	27°52	26°26	5°19	27°37	T 6
W 7	14 59 30	16°28'49	18°14	29°36	25°25	17°15	20° 9	14°45	8°39	29°57	4°44	27°46	26°23	5°25	27°33	W 7
T 8	15 3 27	17°26'53	2 <b>I</b> I 6	29°30	26°39	17°22	20°15	14°52	8°40	29°57	4°42	27°38	26°20	5°32	27°29	T 8
F 9	15 7 23	18°24'56	15°38	29°D29	27°53	17°29	20°21	14°58	8°40	29°57	4°40	27°30	26°17	5°39	27°25	F 9
S 10	15 11 20	19°22'58	28°48	29°32	29° 7	17°37	20°27	15° 5	8°40	29°56	4°39	27°21	26°13	5°45	27°21	S 10
S 11	15 15 16	20°20'58	11937	29°40	0П20	17°46	20°32	15°12	8°40	29°56	4°37	27°14	26°10	5°52	27°16	S 11
M12	15 19 13	21°18'55	24° 6	29°53	1°34	17°55	20°38	15°18	8°40	29°56	4°36	27° 9	26° 7	5°59	27°12	M12
T 13	15 23 9	22°16'51	6 <b>Ω</b> 18	0810	2°48	18° 5	20°43	15°25	8°R40	29°55	4°34	27° 5	26° 4	6° 5	27° 9	T 13
W14	15 27 6	23°14'46	18°17	0°32	4° 2	18°16	20°48	15°31	8°40	29°55	4°32	27°D 4	26° 1	6°12	27° 5	W14
T 15	15 31 2	24°12'38	0 <b>m</b> y 8	0°58	5°16	18°27	20°53	15°38	8°40	29°55	4°31	27° 4	25°58	6°19	27° 1	T 15
F 16	15 34 59	25°10'29	11°57	1°28	6°29	18°39	20°58	15°44	8°40	29°54	4°29	27° 4	25°54	6°25	26°57	F 16
S 17	15 38 56	26° 8'18	23°48	2° 2	7°43	18°51	21° 2	15°51	8°40	29°54	4°28	27°R 5	25°51	6°32	26°54	S 17
S 18	15 42 52	27° 6'05	5 <b>Ω</b> 47	2°41	8°57	19° 4	21° 6	15°57	8°40	29°53	4°26	27° 5	25°48	6°39	26°50	S 18
M19	15 46 49	28° 3'50	17°59	3°23	10°10	19°18	21°11	16° 3	8°40	29°53	4°24	27° 3	25°45	6°45	26°46	M19
T 20	15 50 45	29° 1'34	0 <b>M</b> 25	4° 8	11°24	19°31	21°15	16° 9	8°39	29°52	4°23	26°58	25°42	6°52	26°43	T 20
W21	15 54 42	29°59'17	13°10	4°57	12°38	19°46	21°18	16°15	8°39	29°52	4°21	26°51	25°38	6°59	26°40	W21
T 22	15 58 38	0耳56'58	26°13	5°50	13°51	20° 1	21°22	16°22	8°39	29°51	4°19	26°42	25°35	7° 5	26°36	T 22
F 23	16 2 35	1°54'38	9 <b>∡</b> ³34	6°46	15° 5	20°16	21°26	16°28	8°38	29°50	4°18	26°32	25°32	7°12	26°33	F 23
S 24	16 631	2°52'17	23°12	7°45	16°18	20°32	21°29	16°34	8°38	29°50	4°16	26°21	25°29	7°19	26°30	S 24
S 25	16 10 28	3°49'54	7る 2	8°48	17°32	20°49	21°32	16°40	8°37	29°49	4°15	26°11	25°26	7°25	26°27	S 25
M26	16 14 25	4°47'31	21° 1	9°53	18°46	21° 6	21°35	16°45	8°36	29°48	4°13	26° 3	25°23	7°32	26°24	M26
T 27	16 18 21	5°45'06	5≈ 5	11° 2	19°59	21°23	21°38	16°51	8°36	29°48	4°11	25°57	25°19	7°39	26°21	T 27
W28	16 22 18	6°42'41	19°13	12°13	21°13	21°41	21°40	16°57	8°35	29°47	4°10	25°54	25°16	7°45	26°18	W28
T 29	16 26 14	7°40'15	3 <b>∺</b> 22	13°27	22°26	21°59	21°43	17° 3	8°34	29°46	4° 8	25°D53	25°13	7°52	26°16	T 29
F 30	16 30 11	8°37'47	17°29	14°44	23°40	22°18	21°45	17° 8	8°34	29°45	4° 6	25°53	25°10	7°58	26°13	F 30
S 31	16 34 7	9∏35'19	1 <b>Y</b> 35	168 4	24 <b>II</b> 53	22 <b>m</b> 37	21≈47	17 <b>Y</b> 14	8 <b>≈</b> 33	29 <b>궁</b> 44	4 <b>才</b> 5	25°R53	25 Mg 7	8Mp 5	26 <b>≏</b> 11	S 31

Day	0	D	ğ	·	ď	4	ħ	)Å(	卉	Р	ß.	v t	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl dec	l decl lat
T 1 F 2 S 3	15n 1 15 19 15 37	7 19 1 53	11n44 0s2 11 18 0 3 10 53 0 5		7 0 1 57	15 s32 0 s36 15 30 0 36 15 29 0 37	3 32 2 13	18 s42 0 s36 18 42 0 37 18 41 0 37		8 s 22 12 n 5 7 8 21 12 5 7 8 21 12 5 7	0 49 1	20 7 5	8 10 s45 On 1 7 10 43 O 1 5 10 41 O 2
S 4 M 5 T 6 W 7 T 8	17 2	1n32 0s40 5 58 1 55 10 1 3 3 13 27 3 58 16 3 4 37	10 30 1 1 10 9 1 2 9 50 1 3 9 34 1 5 9 20 2	15 18 13 0 18 19 18 34 0 15 13 18 54 0 13 16 19 14 0 11	6 52 1 52 6 48 1 50 6 44 1 48 6 39 1 45 6 34 1 43	15 27 0 37 15 25 0 37 15 23 0 37 15 21 0 37 15 20 0 38	3 38 2 13 3 40 2 14 3 43 2 14 3 45 2 14 3 48 2 14	18 41 0 37 18 41 0 37 18 41 0 37 18 41 0 37 18 41 0 37	19 45 0 25 19 45 0 25	8 21 12 57 8 20 12 57 8 20 12 57 8 20 12 57 8 19 12 57	0 48 1 0 49 1 0 51 1 0 53 1 0 56 1	22 7 5 24 7 5 25 7 5 26 7 4 28 7 4	3 10 39 0 2 2 10 37 0 2 0 10 35 0 3 8 10 33 0 3 7 10 31 0 4
F 9 S 10 S 11	17 34 17 50	18 19 5 7 17 59 4 57	8 53 2 3	19     19     52     0     6       18     20     10     0     3	6 18 1 36	15 18 0 38 15 16 0 38 15 15 0 38	3 53 2 14 3 55 2 14	18 41 0 37 18 41 0 37	19 45 0 25 19 45 0 25 19 45 0 25	8 19 12 57 8 19 12 57 8 18 12 58	1 6 1	30 7 43 31 7 43	5 10 29 0 4 3 10 28 0 4 2 10 26 0 5
M12 T 13 W14 T 15 F 16 S 17	18 5 18 20 18 35 18 49 19 3 19 17	16 47 4 34 14 51 3 58 12 17 3 13 9 15 2 20 5 50 1 20 2 11 0 18	8 47 2 5 8 48 3 8 51 3 8 57 3 1	,,	6 13 1 34 6 7 1 31 6 1 1 29 5 54 1 27 5 48 1 25 5 41 1 23	15 13 0 39 15 12 0 39 15 10 0 39 15 9 0 39 15 8 0 39 15 7 0 40	3 57 2 15 4 0 2 15 4 2 2 15 4 5 2 15 4 7 2 15 4 9 2 15	18 41 0 37 18 41 0 37 18 41 0 37 18 41 0 37	19 45 0 25 19 45 0 25	8 18 12 58 8 18 12 58 8 17 12 58 8 17 12 58 8 17 12 58 8 17 12 58	1 10 1 1 10 1 1 10 1 1 10 1	34 7 33 35 7 3 36 7 3 38 7 3	5 10 19 0 6
S 18 M19 T 20 W21 T 22 F 23	19 31 19 44 19 56 20 9 20 21 20 33	-	9 39 3 2 9 55 3 2 10 12 3 2	25 22 14 0 16 26 22 27 0 19 27 22 39 0 21 28 22 51 0 24	5 34 1 21 5 27 1 19 5 19 1 17 5 12 1 15 5 4 1 12 4 56 1 11	15 3 0 40 15 2 0 41	4 14 2 16 4 16 2 16 4 18 2 16 4 20 2 16	18 42 0 37 18 42 0 37	19 46 0 25 19 46 0 25 19 46 0 25 19 46 0 25	8 16 12 58 8 16 12 58 8 16 12 58 8 16 12 57 8 15 12 57 8 15 12 57	1 11 1 1 12 1 1 15 1	41 7 2	3 10 8 0 9
M26 T 27 W28 T 29	20 55 21 6 21 16	17 16 4 35 15 11 3 56 12 11 3 2 8 28 1 57	11 13 3 2 11 36 3 2 12 0 3 1 12 25 3 1 12 52 3	16 23 12 0 28 14 23 22 0 31 11 23 31 0 33 18 23 39 0 35 14 23 46 0 38 19 23 53 0 40 14 23 59 0 42	4 40 1 7 4 31 1 5 4 23 1 3 4 14 1 1 4 5 0 59	15 0 0 41 14 59 0 42 14 58 0 42 14 57 0 42 14 57 0 42 14 56 0 43 14 56 0 43	4 25 2 16 4 27 2 17 4 29 2 17 4 31 2 17 4 33 2 17 4 35 2 17	18 42 0 37 18 42 0 37 18 43 0 37 18 43 0 37 18 43 0 37	19 46 0 25 19 47 0 25 19 47 0 25 19 47 0 25 19 47 0 25	8 15 12 57 8 15 12 57 8 15 12 57 8 14 12 57 8 14 12 57 8 14 12 57 8 14 12 57	1 34 1 1 36 1 1 38 1 1 38 1	48 7 20 49 7 1	0 10 5 0 9 8 10 3 0 10 7 10 2 0 10 5 10 0 0 10 3 9 59 0 11 1 9 58 0 11
	21 44 21n53			i8 24n 5 0n45		14 50 0 43 14 s55 0 s43			19 47 0 23 19 s47 0 n25	8 14 12 37 8 s 14 12 n 5 7		n57 7n	

Julian Day Number = 2450569.5, Delta T = 62.52 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation =  $-0^{\circ}00'02$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'11$ , Lahiri =  $23^{\circ}49'11$ 

JUNE 1997 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ	)∤(	¥	Р	R	Ω	Ç	ę,	Day
S 1	16 38 4	10 <b>Ⅲ</b> 32'51	15 <b>Y</b> 39	17827	26 <b>I</b> 7	22 Mp 56	21≈49	17 <b>Y</b> 19	8°R32	29°R43	4°R 3	25°R52	25 mg 4	8 <b>m</b> 12	26°R 8	S 1
M 2	16 42 0	11°30'21	29°37	18°52	27°20	23°16	21°50	17°25	8 <b>≈</b> 31	29 <b>궁</b> 42	4 <b>才</b> 1	25 <b>m</b> 49	25° 0	8°18	26 <b>♀</b> 6	M 2
T 3	16 45 57	12°27'51	13 <b>8</b> 30	20°20	28°33	23°36	21°52	17°30	8°30	29°41	4° 0	25°42	24°57	8°25	26° 4	T 3
W 4	16 49 54	13°25'20	27°13	21°50	29°47	23°57	21°53	17°36	8°29	29°41	3°58	25°33	24°54	8°32	26° 1	W 4
T 5	16 53 50	14°22'48	10∏44	23°24	199 0	24°18	21°54	17°41	8°28	29°40	3°57	25°22	24°51	8°38	25°59	T 5
F 6	16 57 47	15°20'15	24° 0	25° 0	2°14	24°40	21°55	17°46	8°27	29°38	3°55	25°10	24°48	8°45	25°57	F 6
S 7	17 1 43	16°17'41	6959	26°38	3°27	25° 2	21°56	17°51	8°26	29°37	3°53	24°58	24°44	8°52	25°56	S 7
S 8	17 5 40	17°15'06	19°40	28°19	4°40	25°24	21°56	17°56	8°25	29°36	3°52	24°47	24°41	8°58	25°54	S 8
M 9	17 9 36	18°12'30	2 <b>Ω</b> 4	0 <b>I</b> 3	5°54	25°47	21°56	18° 1	8°23	29°35	3°50	24°38	24°38	9° 5	25°52	M 9
T 10	17 13 33	19° 9'53	14°13	1°49	7° 7	26° 9	21°R56	18° 6	8°22	29°34	3°49	24°31	24°35	9°12	25°51	T 10
W11	17 17 29	20° 7'16	26°11	3°37	8°20	26°33	21°56	18°11	8°21	29°33	3°47	24°27	24°32	9°18	25°49	W11
T 12	17 21 26	21° 4'37	8MD 2	5°28	9°34	26°56	21°56	18°16	8°19	29°32	3°45	24°26	24°29	9°25	25°48	T 12
F 13	17 25 23	22° 1'57	19°50	7°22	10°47	27°20	21°56	18°20	8°18	29°31	3°44	24°25	24°25	9°32	25°47	F 13
S 14	17 29 19	22°59'16	1 <b>≏</b> 42	9°18	12° 0	27°45	21°55	18°25	8°17	29°29	3°42	24°25	24°22	9°38	25°46	S 14
S 15	17 33 16	23°56'34	13°42	11°16	13°13	28° 9	21°54	18°30	8°15	29°28	3°41	24°24	24°19	9°45	25°45	S 15
M16	17 37 12	24°53'52	25°56	13°17	14°27	28°34	21°53	18°34	8°14	29°27	3°39	24°22	24°16	9°52	25°44	M16
T 17	17 41 9	25°51'08	8M29	15°19	15°40	28°59	21°52	18°38	8°12	29°26	3°38	24°17	24°13	9°58	25°43	T 17
W18	17 45 5	26°48'24	21°23	17°24	16°53	29°25	21°50	18°43	8°10	29°24	3°36	24° 9	24°10	10° 5	25°42	W18
T 19	17 49 2	27°45'39	4 <b>₹</b> 40	19°30	18° 6	29°51	21°49	18°47	8° 9	29°23	3°35	24° 0	24° 6	10°11	25°42	T 19
F 20	17 52 58	28°42'54	18°20	21°37	19°19	0 <b>ჲ</b> 17	21°47	18°51	8° 7	29°22	3°33	23°48	24° 3	10°18	25°41	F 20
S 21	17 56 55	29°40'08	2 <b>ප්</b> 20	23°46	20°32	0°43	21°45	18°55	8° 6	29°20	3°32	23°37	24° 0	10°25	25°41	S 21
S 22	18 0 52	0937'22	16°35	25°56	21°45	1°10	21°43	18°59	8° 4	29°19	3°31	23°26	23°57	10°31	25°41	S 22
M23	18 448	1°34'35	1≈ 0	28° 7	22°58	1°37	21°40	19° 3	8° 2	29°18	3°29	23°17	23°54	10°38	25°41	M23
T 24	18 8 45	2°31'48	15°28	09518	24°11	2° 4	21°38	19° 7	8° 0	29°16	3°28	23°10	23°50	10°45	25°D41	T 24
W25	18 12 41	3°29'01	29°55	2°30	25°24	2°32	21°35	19°10	7°59	29°15	3°26	23° 7	23°47	10°51	25°41	W25
T 26	18 16 38	4°26'14	14 <b>)</b> 15	4°41	26°37	2°59	21°32	19°14	7°57	29°14	3°25	23° 5	23°44	10°58	25°41	T 26
F 27	18 20 34	5°23'26	28°27	6°52	27°50	3°27	21°29	19°18	7°55	29°12	3°24	23° 5	23°41	11° 5	25°41	F 27
S 28	18 24 31	6°20'39	12 <b>Y</b> 29	9° 2	29° 3	3°55	21°26	19°21	7°53	29°11	3°22	23° 5	23°38	11°11	25°42	S 28
S 29	18 28 27	7°17'52	26°20	11°12	0 <b>Ω</b> 16	4°24	21°22	19°24	7°51	29° 9	3°21	23° 4	23°35	11°18	25°42	S 29
M30	18 32 24	8915'05	108 2	139520	1 <b>Ω</b> 29	4 <b>₾</b> 53	21≈19	19 <b>Y</b> 28	7 <b>≈</b> 49	29중 8	3 <b>₹</b> 20	23 Mp 1	23 Mp 31	11 <b>m</b> 25	25 <b>≏</b> 43	M30

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M 2	22 10	8 42	2 49	14 47	2 45	24 14	0 49	3 28	0 52	14 55	0 44	4 43	2 18	18 44	0 38	19 48	0 25	8 13	12 56	1 40	1 59	7 5	9 53	0 12
T 3	22 17	12 19	3 44	15 18	2 37	24 17	0 51	3 18	0 50	14 55	0 44	4 44	2 18	18 45	0 38	19 48	0 25	8 13	12 56	1 42	2 0	7 3	9 52	0 13
W 4	22 25	15 13	4 26	15 49	2 29	24 20	0 53	3 9	0 48	14 54	0 44	4 46	2 18	18 45	0 38	19 48	0 25	8 13	12 56	1 46	2 2	7 1	9 51	0 13
T 5	22 31	17 15	4 51	16 21	2 21	24 22	0 56	2 59	0 47	14 54	0 44	4 48	2 19	18 45	0 38	19 48	0 25	8 13	12 56	1 50	2 3	7 0	9 50	0 13
F 6	22 38	18 17	5 1	16 52	2 12	24 23	0 58	2 49	0 45	14 54	0 45	4 50	2 19	18 45	0 38	19 49	0 25	8 13	12 56	1 55	2 4	6 58	9 49	0 14
S 7	22 44	18 21	4 55	17 24	2 3	24 23	1 0	2 38	0 43	14 54	0 45	4 52	2 19	18 46	0 38	19 49	0 25	8 13	12 56	2 0	2 5	6 56	9 48	0 14
S 8	22 50	17 29	4 34	17 56	1 53	24 23	1 2	2 28	0 42	14 54	0 45	4 53	2 19	18 46	0 38	19 49	0 25	8 13	12 55	2 5	2 7	6 55	9 47	0 14
M 9	22 55	15 48	4 0	18 28	1 43	24 22	1 4	2 18	0 40	14 54	0 45	4 55	2 20	18 46	0 38	19 49	0 25	8 13	12 55	2 8	2 8	6 53	9 46	0 15
T 10	23 0	13 26	3 16	19 0	1 33	24 20	1 6	2 7	0 38	14 55	0 46	4 57	2 20	18 47	0 38	19 50	0 25	8 12	12 55	2 11	2 9	6 51	9 45	0 15
W11	23 4	10 32	2 24	19 31	1 23	24 18	1 8	1 56	0 37	14 55	0 46	4 58	2 20	18 47	0 38	19 50	0 25	8 12	12 55	2 12	2 10	6 49	9 44	0 15
T 12	23 8	7 14	1 26	20 2	1 12		1 9	1 45	0 35	14 55	0 46	5 0	2 20	18 48	0 38	19 50	0 25	8 12	12 55	2 13	2 12	6 48	9 43	0 16
F 13	23 12	3 39	0 24	20 32	1 1	24 11	1 11	1 34	0 34	14 56	0 46	5 1	2 20	18 48	0 38	19 50	0 25	8 12	12 54	2 13	2 13	6 46	9 43	0 16
S 14	23 15	0s 5	0n39	21 1	0 50	24 6	1 13	1 23	0 32	14 56	0 47	5 3	2 21	18 48	0 38	19 51	0 25	8 12	12 54	2 13	2 14	6 44	9 42	0 16
S 15	23 18	3 52	1 40	21 30	0 38	24 1	1 15	1 12	0 31	14 57	0 47	5 4	2 21	18 49	0 38	19 51	0 25	8 12	12 54	2 13	2 15	6 43	9 41	0 17
M16	23 20	7 33	2 39	21 56	0 27	23 55	1 16	1 1	0 29	14 57	0 47	5 6	2 21	18 49	0 38	19 51	0 25	8 12	12 54	2 14	2 17	6 41	9 41	0 17
T 17	23 22	11 0	3 31	22 22	0 16	23 49	1 18	0 50	0 28	14 58	0 47	5 7	2 21	18 50	0 38	19 51	0 25	8 12	12 53	2 16	2 18	6 39	9 40	0 17
W18	23 24	14 1	4 14	22 46	0 5	23 41	1 20	0 38	0 26	14 59	0 48	5 9	2 22	18 50	0 38	19 52	0 25	8 12	12 53	2 19	2 19	6 38	9 40	0 18
T 19	23 25	16 25	4 44	23 7	0n 6	23 33	1 21	0 26	0 25	14 59	0 48	5 10	2 22	18 50	0 38	19 52	0 25	8 12	12 53	2 23	2 20	6 36	9 39	0 18
F 20	23 26	17 57	5 0	23 27	0 17	23 24	1 23	0 15	0 23	15 0	0 48	5 12	2 22	18 51	0 38	19 52	0 25	8 12	12 53	2 28	2 22	6 34	9 39	0 18
S 21	23 26	18 28	4 57	23 45	0 27	23 15	1 24	0 3	0 22	15 1	0 48	5 13	2 22	18 51	0 38	19 52	0 25	8 12	12 52	2 32	2 23	6 32	9 38	0 19
S 22	23 26	17 49	4 37	24 0	0 37	23 5	1 25	0s 9	0 21	15 2	0 49	5 14	2 23	18 52	0 38	19 53	0 25	8 12	12 52	2 37	2 24	6 31	9 38	0 19
M23	23 26	16 3	3 59	24 12	0 47	22 54	1 27	0 21	0 19	15 3	0 49	5 15	2 23	18 52	0 38	19 53	0 25	8 12	12 52	2 40	2 25	6 29	9 38	0 19
T 24	23 25	13 15	3 5	24 22	0 56	22 43	1 28	0 33	0 18	15 4	0 49	5 17	2 23	18 53	0 38	19 53	0 25	8 12	12 52	2 43	2 27	6 27	9 37	0 20
W25	23 23	9 38	2 0	24 29	1 4	22 31	1 29	0 45	0 17	15 5	0 49	5 18	2 23	18 53	0 38	19 54	0 25	8 12	12 51	2 44	2 28	6 26	9 37	0 20
T 26	23 22	5 29	0 47	24 33	1 12	22 18	1 30	0 57	0 15	15 6	0 50	5 19	2 24	18 54	0 38	19 54	0 25	8 12	12 51	2 45	2 29	6 24	9 37	0 20
F 27	23 20	1 3	0 s28	24 35	1 19	22 5	1 31	1 10	0 14	15 8	0 50	5 20	2 24	18 54	0 38	19 54	0 25	8 13	12 51	2 45	2 31	6 22	9 37	0 20
S 28	23 17	3n23	1 41	24 34	1 26	21 51	1 32	1 22	0 13	15 9	0 50	5 21	2 24	18 55	0 38	19 54	0 25	8 13	12 50	2 45	2 32	6 20	9 36	0 21
S 29	23 14	7 34	2 47	24 29	1 32	21 36	1 33	1 34	0 11	15 10	0 50	5 22	2 24	18 55	0 38	19 55	0 25	8 13	12 50	2 45	2 33	6 19	9 36	0 21
M30	23n11			24n23		21n21	1n34	1 s47		15 s12		5n23		18 s 5 6		19s55		-	12n50	-	2n34	6n17	9s36	0n21

Julian Day Number = 2450600.5, Delta T = 62.58 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -  $0^{\circ}00'02$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'15$ , Lahiri =  $23^{\circ}49'15$ 

JULY 1997 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	¥	Р	ß	Ω	Ç	ķ	Day
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T 1 W 2	18 36 21 18 40 17	9©12'18 10° 9'32	23 <b>8</b> 32 6 <b>II</b> 52	15 <b>©</b> 28 17°34	2 <b>Ω</b> 42 3°55	5 <b>≙</b> 22 5°51	21°R15 21≈11	19 <b>Υ</b> 31 19°34	7°R47 7 <b>≈</b> 45	29°R 6 29る 5	3°R19 3 <b>∡</b> 17	22°R55 22 <b>m</b> 46	23 m/28 23°25	11 <b>m</b> y31 11°38	25 <b>Ω</b> 44 25°44	T 1 W 2
$\begin{array}{c c} W & 2 \\ T & 3 \end{array}$	18 44 14	10° 9'32 11° 6'45	0Д32 20° 0	17°34 19°38	5° 8	6°20	21 <b>≈</b> 11 21° 7	19°34 19°37	7°43	29° 3	3°16	22°36	23°23 23°22	11°38	25°44 25°45	W 2 T 3
F 4	18 48 10	11 043 12° 3'59	2955	21°41	6°21	6°50	21° 2	19 37 19°40	7°41	29° 2	3°15	22°24	23°19	11°51	25°47	F 4
S 5	18 52 7	12 3 39 13° 1'12	15°37	23°42	7°34	7°20	20°58	19°43	7°39	29° 0	3°14	22°12	23°16	11°58	25°48	S 5
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S 6	18 56 3	13°58'26	28° 4	25°41	8°46	7°50	20°53	19°45	7°37	28°59	3°13	22° 1	23°12	12° 5	25°49	S 6
M 7	19 0 0	14°55'39	10 <b>Ω</b> 19	27°38	9°59	8°20	20°48	19°48	7°35	28°57	3°12	21°53	23° 9	12°11	25°50	M 7
T 8	19 3 56	15°52'53	22°22	29°34	11°12	8°51	20°44	19°51	7°32	28°55	3°10	21°46	23° 6	12°18	25°52	T 8
W 9	19 7 53	16°50'06	4Mp16	1 <b>Ω</b> 28	12°25	9°21	20°38	19°53	7°30	28°54	3° 9	21°43	23° 3	12°24	25°54	W 9
T 10	19 11 50	17°47'19	16° 5	3°19	13°37	9°52	20°33	19°55	7°28	28°52	3° 8	21°41	23° 0	12°31	25°55	T 10
F 11	19 15 46	18°44'32	27°52	5° 9	14°50	10°24	20°28	19°58	7°26	28°51	3° 7	21°D41	22°56	12°38	25°57	F 11
S 12	19 19 43	19°41'45	9 <b>≏</b> 43	6°57	16° 3	10°55	20°22	20° 0	7°24	28°49	3° 6	21°42	22°53	12°44	25°59	S 12
S 13	19 23 39	20°38'58	21°42	8°43	17°15	11°26	20°16	20° 2	7°21	28°48	3° 5	21°R42	22°50	12°51	26° 1	S 13
M14	19 27 36	21°36'11	3M56	10°26	18°28	11°58	20°11	20° 4	7°19	28°46	3° 4	21°41	22°47	12°58	26° 3	M14
T 15	19 31 32	22°33'25	16°29	12° 8	19°41	12°30	20° 5	20° 6	7°17	28°44	3° 3	21°38	22°44	13° 4	26° 6	T 15
W16	19 35 29	23°30'38	29°26	13°48	20°53	13° 2	19°58	20° 7	7°14	28°43	3° 3	21°34	22°41	13°11	26° 8	W16
T 17	19 39 25	24°27'51	12 <b>~</b> 148	15°26	22° 6	13°35	19°52	20° 9	7°12	28°41	3° 2	21°27	22°37	13°18	26°11	T 17
F 18	19 43 22	25°25'05	26°37	17° 2	23°18	14° 7	19°46	20°11	7°10	28°39	3° 1	21°19	22°34	13°24	26°13	F 18
S 19	19 47 19	26°22'19	10 <b>궁</b> 51	18°37	24°31	14°40	19°39	20°12	7° 8	28°38	3° 0	21°10	22°31	13°31	26°16	S 19
S 20	19 51 15	27°19'33	25°25	20° 9	25°43	15°13	19°33	20°13	7° 5	28°36	2°59	21° 2	22°28	13°38	26°19	S 20
M21	19 55 12	28°16'48	10≈12	21°39	26°55	15°46	19°26	20°15	7° 3	28°35	2°59	20°55	22°25	13°44	26°22	M21
T 22	19 59 8	29°14'03	25° 3	23° 7	28° 8	16°19	19°19	20°16	7° 0	28°33	2°58	20°51	22°22	13°51	26°25	T 22
W23	20 3 5	$0\Omega$ 11'19	9 <b>)</b> 52	24°33	29°20	16°52	19°12	20°17	6°58	28°31	2°57	20°49	22°18	13°58	26°28	W23
T 24	20 7 1	1° 8'36	24°32	25°58	0 <b>m</b> 32	17°26	19° 5	20°18	6°56	28°30	2°56	20°D48	22°15	14° 4	26°31	T 24
F 25	20 10 58	2° 5'53	8 <b>Ƴ</b> 57	27°20	1°45	18° 0	18°58	20°19	6°53	28°28	2°56	20°49	22°12	14°11	26°34	F 25
S 26	20 14 54	3° 3'12	23° 6	28°40	2°57	18°33	18°51	20°19	6°51	28°26	2°55	20°50	22° 9	14°17	26°38	S 26
S 27	20 18 51	4° 0'31	6 <b>8</b> 57	29°58	4° 9	19° 7	18°44	20°20	6°49	28°25	2°55	20°R50	22° 6	14°24	26°41	S 27
M28	20 22 48	4°57'52	20°31	1 <b>m</b> p 14	5°21	19°42	18°37	20°20	6°46	28°23	2°54	20°49	22° 2	14°31	26°45	M28
T 29	20 26 44	5°55'13	3 <b>Ⅱ</b> 49	2°27	6°33	20°16	18°29	20°21	6°44	28°22	2°54	20°46	21°59	14°37	26°48	T 29
W30	20 30 41	6°52'36	16°51	3°38	7°45	20°51	18°22	20°21	6°41	28°20	2°53	20°41	21°56	14°44	26°52	W30
T 31	20 34 37	$7\Omega 50'00$	29∏40	4 Mp 47	8 <b>m</b> 57	21 <b>≏</b> 25	18 <b>≈</b> 14	20 <b>Y</b> 21	6≈39	28 <b>중</b> 18	2 <b>₹</b> 53	20 <b>m</b> 35	21 <b>m</b> 53	14 <b>m</b> 51	26 <b>♀</b> 56	T 31

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T 1 W 2 T 3 F 4 S 5	23n 7 23 3 22 58 22 53 22 48	16 41 4 5 18 3 5 18 27 4 5	2 23 47	1 45 7 1 48 0 1 50	20 15	1n35 1 35 1 36 1 37 1 37	2 s 0 2 12 2 25 2 38 2 51	0 8 0 6	15 s13 15 15 15 16 15 18 15 19	0 s51 0 51 0 51 0 51 0 52	5n24 5 25 5 26 5 27 5 27	2 25 2 25 2 26	18 s 5 6 18 5 7 18 5 8 18 5 8 18 5 9	0 38 0 38 0 39	19 56	0n25 0 25 0 25 0 25 0 25	8 s13 12 n49 8 13 12 49 8 13 12 49 8 13 12 48 8 13 12 48	2 52 2 56 3 1	2n36 2 37 2 38 2 39 2 41	6n15 6 14 6 12 6 10 6 8	9 36 9 36 9 37	0n22 0 22 0 22 0 23 0 23
S 6 M 7 T 8 W 9 T 10	22 42 22 36 22 30 22 23 22 15	16 32 4 14 25 3 2 11 42 2 3 8 31 1 3 5 2 0 3	5 22 50 22 22 28 0 22 3 2 21 37 0 21 10	0 1 52 8 1 52 8 1 51 7 1 50 0 1 48	2 19 38 2 19 19 18 59 0 18 39 3 18 18	1 38 1 38 1 38 1 38 1 39	3 4 3 17 3 30 3 43 3 56	0 3 0 1 0 0 0s 1 0 2	15 21 15 23 15 25 15 27 15 28	0 52 0 52 0 52 0 53 0 53	5 28 5 29 5 30 5 30 5 31	2 26 2 26 2 27 2 27 2 27	18 59 19 0 19 0 19 1 19 1	0 39 0 39 0 39 0 39 0 39	19 57 19 57 19 58 19 58 19 58	0 25 0 25 0 25 0 25 0 25 0 25	8 14 12 48 8 14 12 47 8 14 12 47 8 14 12 46 8 14 12 46	3 10 3 13 3 16 3 17 3 18	2 42 2 43 2 44 2 46 2 47	6 7 6 5 6 3 6 1 6 0	9 37 9 37 9 37 9 38 9 38	0 23 0 23 0 24 0 24 0 24
F 11 S 12 S 13 M14 T 15	22 8 21 59 21 51 21 42 21 33	2 s 2 3 1 3 6 5 2 3 9 3 5 3 2 1 2 4 5 4 1	1 18 35	1 42 0 1 39 8 1 34 5 1 29	2 17 36 17 14 16 51 16 28	1 39 1 39 1 39 1 38 1 38	4 10 4 23 4 36 4 50 5 3	0 3 0 4 0 5 0 6 0 8	15 32 15 34 15 36 15 39	0 53 0 53 0 54 0 54 0 54	5 32 5 32 5 33 5 33 5 34	2 28 2 28 2 28 2 29	19 3 19 3 19 4 19 4	0 39 0 39	19 59 19 59 20 0 20 0	0 25 0 25 0 25 0 25 0 25 0 25	8 15 12 46 8 15 12 45 8 15 12 45 8 15 12 44 8 15 12 44	3 18 3 18 3 18 3 19	2 48 2 49 2 51 2 52 2 53	5 58 5 56 5 55 5 53 5 51	9 39 9 39 9 40 9 41	0 25 0 25 0 25 0 25 0 26
W16 T 17 F 18 S 19 S 20	21 3 20 53	17 20 5 18 19 5 18 12 4 4	4 18 1 3 17 27 5 16 52 8 16 17 3 15 41	1 12	15 41 15 17 14 52	1 38 1 37 1 37 1 36	5 17 5 30 5 44 5 58 6 11		15 43	0 54 0 54 0 55 0 55 0 55	5 34 5 34 5 35 5 35 5 35	2 29 2 29 2 29 2 30 2 30	19 6 19 6 19 7		20 1 20 1	0 25 0 25 0 25 0 25 0 25	8 16 12 44 8 16 12 43 8 16 12 43 8 16 12 42 8 17 12 42	3 23 3 27 3 30	2 54 2 56 2 57 2 58 2 59	5 49 5 48 5 46 5 44 5 42	9 42 9 42 9 43	0 26 0 26 0 27 0 27 0 27
M21 T 22 W23 T 24 F 25 S 26	20 30 20 19 20 7 19 54 19 41 19 28	14 28 3 2 11 4 2 1 6 58 0 5 2 29 0 s2 2n 4 1 3	1 15 5 4 14 29 69 13 52 60 13 16	0 0 50 0 0 42 2 0 34 5 0 25 0 0 16	14 2 13 36 13 10 12 43 12 17	1 35 1 34 1 33 1 33 1 32 1 30	6 25 6 39 6 52 7 6 7 20 7 34	0 14 0 15	15 52 15 54 15 56 15 59 16 1	0 55 0 55 0 56 0 56 0 56 0 56	5 35 5 36 5 36 5 36 5 36 5 36	2 30 2 30 2 31 2 31 2 31	19 8 19 9 19 9 19 10	0 39 0 39 0 39	20 2 20 2 20 3 20 3 20 3	0 25 0 25 0 25 0 25 0 25 0 25 0 25	8 17 12 41 8 17 12 41 8 18 12 41 8 18 12 40 8 18 12 40 8 19 12 39	3 36 3 38 3 39 3 39 3 38	3 1 3 2 3 3 3 4 3 6 3 7	5 41 5 39 5 37 5 35 5 34 5 32	9 45 9 46 9 46 9 47 9 48	0 27 0 28 0 28 0 28 0 28 0 28 0 29
S 27 M28 T 29 W30 T 31	19 15 19 1 18 47	10 19 3 4 13 35 4 2 16 4 4 5 17 40 5	3 11 27 7 10 51 6 10 15 9 9 40	0 s 3 0 12 0 23 0 0 33	11 22 2 10 55 3 10 27 9 59	1 29 1 28 1 27 1 25 1n24	7 47 8 1 8 15 8 29 8 s43	0 20 0 21 0 22 0 23	16 6 16 9	0 56 0 56 0 57 0 57 0 s57	5 36 5 36 5 36 5 36 5 36 5 n35	2 32 2 32 2 32 2 33	19 12 19 12 19 13 19 14 19 14	0 39 0 39 0 39 0 39	20 4 20 4 20 5	0 25 0 25 0 25 0 25 0 25 0 n25	8 19 12 39 8 19 12 38 8 20 12 38 8 20 12 37 8 s21 12n37	3 38 3 38 3 40 3 41	3 8 3 9 3 11 3 12 3n13	5 30 5 28 5 27 5 25 5n23	9 50 9 51 9 52 9 54	0 29 0 29 0 30 0 30 0 30

Julian Day Number = 2450630.5, Delta T = 62.64 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -  $0^{\circ}00'02$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'19$ , Lahiri =  $23^{\circ}49'20$ 

AUGUST 1997 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	ď	4	ħ	)∤(	并	Р	V	v	Ç	Ŗ	Day
F 1	20 38 34	8 <b>Ω</b> 47'24	129516	5 <b>m</b> 53	10 <b>m</b> )10	22 <u>♀</u> 0	18°R 6	20 <b>Y</b> 22	6°R37	28°R17	2°R52	20°R28	21 m/50	14 <b>m</b> 57	27 <u>₽</u> 0	F 1
S 2	20 42 30	9°44'50	24°40	6°57	11°22	22°35	17 <b>≈</b> 59	20°R22	6 <b>≈</b> 34	28 <b>궁</b> 15	2 <b>₹</b> 52	20 <b>m</b> 20	21°47	15° 4	27° 4	S 2
S 3	20 46 27	10°42'16	6 <b>Ω</b> 53	7°58	12°34	23°10	17°51	20°22	6°32	28°14	2°51	20°14	21°43	15°11	27° 8	S 3
M 4	20 50 23	11°39'44	18°56	8°57	13°45	23°46	17°43	20°21	6°29	28°12	2°51	20° 8	21°40	15°17	27°13	M 4
T 5	20 54 20	12°37'12	0 <b>m</b> 52	9°52	14°57	24°21	17°36	20°21	6°27	28°11	2°51	20° 5	21°37	15°24	27°17	T 5
W 6	20 58 17	13°34'41	12°42	10°45	16° 9	24°57	17°28	20°21	6°25	28° 9	2°51	20° 3	21°34	15°31	27°21	W 6
T 7	21 2 13	14°32'11	24°28	11°34	17°21	25°32	17°20	20°20	6°22	28° 7	2°50	20°D 3	21°31	15°37	27°26	T 7
F 8	21 6 10	15°29'42	6 <b>₽</b> 15	12°20	18°33	26° 8	17°12	20°20	6°20	28° 6	2°50	20° 4	21°27	15°44	27°30	F 8
S 9	21 10 6	16°27'14	18° 6	13° 2	19°45	26°44	17° 4	20°19	6°18	28° 4	2°50	20° 5	21°24	15°50	27°35	S 9
S 10	21 14 3	17°24'47	OM 5	13°41	20°56	27°21	16°57	20°18	6°15	28° 3	2°50	20° 7	21°21	15°57	27°40	S 10
M11	21 17 59	18°22'20	12°18	14°16	22° 8	27°57	16°49	20°17	6°13	28° 1	2°50	20° 8	21°18	16° 4	27°45	M11
T 12	21 21 56	19°19'55	24°49	14°47	23°20	28°33	16°41	20°16	6°11	28° 0	2°50	20°R 8	21°15	16°10	27°50	T 12
W13	21 25 52	20°17'30	7 <b>.₹</b> 42	15°13	24°31	29°10	16°33	20°15	6° 8	27°58	2°D50	20° 7	21°12	16°17	27°55	W13
T 14	21 29 49	21°15'06	21° 2	15°35	25°43	29°47	16°25	20°14	6° 6	27°57	2°50	20° 4	21° 8	16°24	28° 0	T 14
F 15	21 33 46	22°12'43	4 <b>⋜</b> 49	15°53	26°54	0ML24	16°18	20°13	6° 4	27°55	2°50	20° 1	21° 5	16°30	28° 5	F 15
S 16	21 37 42	23°10'22	19° 4	16° 5	28° 6	1° 0	16°10	20°11	6° 1	27°54	2°50	19°57	21° 2	16°37	28°11	S 16
S 17	21 41 39	24° 8'01	3≈43	16°12	29°17	1°38	16° 2	20°10	5°59	27°53	2°50	19°54	20°59	16°44	28°16	S 17
M18	21 45 35	25° 5'42	18°40	16°R14	0 <b>ჲ</b> 28	2°15	15°55	20° 8	5°57	27°51	2°50	19°51	20°56	16°50	28°22	M18
T 19	21 49 32	26° 3'23	3 <b>) (</b> 47	16°10	1°39	2°52	15°47	20° 6	5°55	27°50	2°50	19°49	20°53	16°57	28°27	T 19
W20	21 53 28	27° 1'06	18°54	16° 1	2°51	3°30	15°39	20° 5	5°53	27°48	2°50	19°D48	20°49	17° 4	28°33	W20
T 21	21 57 25	27°58'51	3 <b>℃</b> 53	15°45	4° 2	4° 7	15°32	20° 3	5°50	27°47	2°51	19°49	20°46	17°10	28°38	T 21
F 22	22 1 21	28°56'37	18°37	15°25	5°13	4°45	15°24	20° 1	5°48	27°46	2°51	19°50	20°43	17°17	28°44	F 22
S 23	22 5 18	29°54'25	3 <b>8</b> 0	14°58	6°24	5°23	15°17	19°59	5°46	27°44	2°51	19°51	20°40	17°24	28°50	S 23
S 24	22 9 15	0 <b>m</b> 52'14	16°59	14°26	7°35	6° 1	15°10	19°56	5°44	27°43	2°52	19°52	20°37	17°30	28°56	S 24
M25	22 13 11	1°50'06	0Д36	13°48	8°46	6°39	15° 3	19°54	5°42	27°42	2°52	19°R53	20°33	17°37	29° 2	M25
T 26	22 17 8	2°47'59	13°50	13° 6	9°57	7°17	14°55	19°52	5°40	27°41	2°52	19°52	20°30	17°43	29° 8	T 26
W27	22 21 4	3°45'54	26°44	12°19	11° 8	7°56	14°48	19°49	5°38	27°39	2°53	19°51	20°27	17°50	29°14	W27
T 28	22 25 1	4°43'51	99520	11°28	12°19	8°34	14°42	19°47	5°36	27°38	2°53	19°50	20°24	17°57	29°20	T 28
F 29	22 28 57	5°41'49	21°43	10°35	13°29	9°13	14°35	19°44	5°34	27°37	2°54	19°48	20°21	18° 3	29°27	F 29
S 30	22 32 54	6°39'50	3 <b>Ω</b> 53	9°39	14°40	9°51	14°28	19°41	5°32	27°36	2°54	19°46	20°18	18°10	29°33	S 30
S 31	22 36 50	7 <b>m</b> 37'52	15 <b>Ω</b> 54	8 <b>m</b> 43	15 <b>≏</b> 51	10 <b>M</b> 30	14≈21	19 <b>Y</b> 39	5≈30	27 <b>궁</b> 35	2 <b>₹</b> 55	19 <b>m</b> /44	20 <b>m</b> 14	18 <b>m</b> )17	29 <b>₽</b> 39	S 31

Day	0	D	ğ	ρ	ď	4	ħ	)Å(	卉	Р	n s	Ç	ę,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	cl decl	decl lat
F 1 S 2	18n 4 17 48	18n 6 4s47 16 59 4 16			8 s 57 0 s 24 9 11 0 25			19 s15 0 s39 19 15 0 39	20s 6 0n25 20 6 0 25	8 s21 12 n36 8 21 12 36	3n47 3n 3 50 3		
S 3 M 4 T 5 W 6	17 33 17 17 17 1 16 45		6 51 1 28 6 20 1 39	7 34 1 17 7 5 1 15	9 25 0 26 9 38 0 27 9 52 0 28 0 6 0 29	16 26 0 58 16 28 0 58	5 34 2 34 5 34 2 34	19 16 0 39 19 17 0 39 19 17 0 39 19 18 0 39	20 7 0 25 20 7 0 25	8 22 12 35 8 22 12 35 8 23 12 34 8 23 12 34	3 52 3 3 54 3 3 56 3 3 56 3	18 5 16 19 5 14	5 10 0 0 31 1 10 1 0 31
T 7 F 8 S 9	16 28 16 11 15 54	2 34 0n24 1s 8 1 28 4 49 2 28	4 25 2 26	5 36 1 9 1 5 5 1 7 1	0 34 0 30 0 48 0 31	16 33 0 58 16 36 0 58 16 38 0 58	5 33 2 35 5 32 2 35	19 18 0 39 19 19 0 39 19 20 0 39	20 8 0 25 20 8 0 25	8 23 12 34 8 24 12 33 8 24 12 33	3 57 3 3 56 3 3 56 3	23 5 9 24 5 7	9 10 5 0 32 7 10 7 0 32
S 10 M11 T 12 W13	15 1 14 43	14 22 4 44 16 33 5 7	3 36 2 49 3 13 3 0 2 53 3 11	3 34 1 0 1 3 4 0 58 1	1 15 0 33 1 29 0 34 1 43 0 35	16 43 0 58 16 46 0 59 16 48 0 59	5 31 2 36 5 30 2 36 5 30 2 37	19 21 0 39 19 22 0 39	20 9 0 25 20 9 0 25 20 10 0 25	8 25 12 32 8 25 12 32 8 26 12 31 8 26 12 31	3 55 3 3 54 3 3 54 3 3 55 3	27 5 2 28 5 2 29 5 0	6     10     8     0     33       4     10     10     0     33       2     10     11     0     33       0     10     13     0     33
T 14 F 15 S 16		18 17 5 4 17 33 4 35	2 18 3 33 2 4 3 43	2 2 0 53 1 1 31 0 50 1	2 10 0 36 2 24 0 37		5 28 2 37 5 28 2 37	19 24 0 39	20 10 0 25 20 11 0 25	8 27 12 30 8 27 12 30 8 28 12 29	3 56 3 3 57 3 3 59 3	32 4 57 33 4 55	0 10 14 0 34 7 10 16 0 34 5 10 18 0 34
S 17 M18 T 19 W20	13 29 13 9 12 50 12 30	12 38 2 43	1 43 4 1 1 37 4 10	0 30 0 45 1 0s 1 0 42 1	2 51 0 38 3 5 0 39	17 3 0 59	5 26 2 38 5 25 2 38	19 25 0 39 19 25 0 39		8 28 12 29 8 29 12 28 8 29 12 28 8 30 12 27	4 0 3 4 1 3 4 2 3 4 2 3	36 4 51 37 4 50	3     10     19     0     34       1     10     21     0     35       0     10     23     0     35       3     10     24     0     35
T 21 F 22 S 23	12 10 11 50 11 30	9 7 3 37	1 37 4 29 1 43 4 33	1 34 0 33 1 2 5 0 30 1		17 12 0 59	5 22 2 39 5 21 2 39	19 27 0 39 19 27 0 39	20 12 0 25 20 12 0 25 20 13 0 25	8 30 12 27 8 31 12 26 8 31 12 26	_	41 4 44 42 4 43	5 10 26 0 36 4 10 28 0 36 3 10 30 0 36
S 24 M25 T 26 W27 T 28	10 29 10 8	15 24 4 59 17 15 5 15 18 10 5 14	2 6 4 37 2 23 4 37 2 43 4 35	3 7 0 23 1 3 38 0 20 1 4 9 0 17 1	4 25 0 44 4 38 0 44	17 21 1 0	5 19 2 40 5 18 2 40 5 17 2 40	19 28 0 39 19 29 0 39 19 29 0 39	20 13 0 25 20 13 0 25 20 13 0 25 20 14 0 25 20 14 0 24	8 32 12 25 8 32 12 25 8 33 12 24 8 34 12 24 8 34 12 23		44 4 39 46 4 37 47 4 35	1 10 32 0 36 9 10 34 0 37 7 10 36 0 37 5 10 37 0 37 4 10 39 0 37
F 29 S 30 S 31	9 25 9 4	17 16 4 29	3 31 4 25 3 59 4 17	5 10 0 10 1	5 18 0 46 5 31 0 47		5 14 2 40 5 13 2 41	19 30 0 39 19 31 0 39	20 14 0 24 20 14 0 24 20 14 0 24 20 s15 0n24	8 34 12 23 8 35 12 23 8 35 12 22 8 s36 12n22	4 2 3 4 2 3 4 3 3 4n 4 3n	49 4 32 51 4 30	2 10 41 0 38 0 10 43 0 38 10 845 0n38

 $\label{eq:Julian Day Number = 2450661.5, Delta T = 62.69 sec} \\ \text{Ecliptic obliquity = } 23°26'13, \text{Nutation = -0°00'01, out-of-bounds declination in red} \\$ 

Ayanamsha: Fagan/Bradley =  $24^{\circ}42'23$ , Lahiri =  $23^{\circ}49'24$ 

SEPTEMBER 1997 00:00 UT

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Day	Sid.t	0	D	ğ	·	ð	4	ħ	)ţ(	卉	В	S.	v	Ç	Ŗ	Day
M 1	22 40 47	8 <b>m</b> 35'55	27 <b>Ω</b> 48	7°R47	17 <b>♀</b> 1	11 <b>M</b> 9	14°R15	19°R36	5°R28	27°R33	2 <b>₹</b> 55	19°R43	20 Mp 11	18 <b>m</b> 23	29 <b>≏</b> 46	M 1
T 2	22 44 44	9°34'01	9 <b>m</b> 38	6 <b>m</b> 53	18°12	11°48	14 <b>≈</b> 8	19 <b>Y</b> 33	5≈26	27 <b>云</b> 32	2°56	19 <b>m</b> 42	20° 8	18°30	29°52	T 2
W 3	22 48 40	10°32'08	21°25	6° 1	19°22	12°27	14° 2	19°30	5°24	27°31	2°57	19°D42	20° 5	18°37	29°59	W 3
T 4	22 52 37	11°30'16	3 <b>₾</b> 12	5°13	20°33	13° 7	13°56	19°26	5°23	27°30	2°57	19°42	20° 2	18°43	OM 6	T 4
F 5	22 56 33	12°28'26	15° 1	4°30	21°43	13°46	13°50	19°23	5°21	27°29	2°58	19°43	19°59	18°50	0°12	F 5
S 6	23 0 30	13°26'38	26°55	3°53	22°53	14°26	13°44	19°20	5°19	27°28	2°59	19°43	19°55	18°57	0°19	S 6
S 7	23 4 26	14°24'52	8 <b>M</b> .58	3°23	24° 3	15° 5	13°38	19°17	5°17	27°27	3° 0	19°44	19°52	19° 3	0°26	S 7
M 8	23 8 23	15°23'06	21°13	3° 1	25°14	15°45	13°33	19°13	5°16	27°26	3° 1	19°44	19°49	19°10	0°33	M 8
T 9	23 12 19	16°21'23	3 <b>∡</b> 744	2°47	26°24	16°25	13°27	19°10	5°14	27°25	3° 1	19°45	19°46	19°16	0°40	T 9
W10	23 16 16	17°19'41	16°34	2°D42	27°34	17° 5	13°22	19° 6	5°13	27°24	3° 2	19°R45	19°43	19°23	0°47	W10
T 11	23 20 12	18°18'01	29°47	2°46	28°44	17°45	13°17	19° 2	5°11	27°23	3° 3	19°45	19°39	19°30	0°54	T 11
F 12	23 24 9	19°16'22	13 <b>る</b> 26	2°59	29°53	18°25	13°12	18°59	5° 9	27°23	3° 4	19°D45	19°36	19°36	1° 1	F 12
S 13	23 28 6	20°14'44	27°31	3°21	1 <b>m</b> 3	19° 5	13° 7	18°55	5° 8	27°22	3° 5	19°45	19°33	19°43	1° 8	S 13
S 14	23 32 2	21°13'09	12≈ 1	3°52	2°13	19°46	13° 3	18°51	5° 7	27°21	3° 6	19°45	19°30	19°50	1°16	S 14
M15	23 35 59	22°11'34	26°53	4°32	3°22	20°26	12°58	18°47	5° 5	27°20	3° 7	19°45	19°27	19°56	1°23	M15
T 16	23 39 55	23°10'02	11 <b>米</b> 59	5°20	4°32	21° 7	12°54	18°43	5° 4	27°19	3° 8	19°R45	19°24	20° 3	1°30	T 16
W17	23 43 52	24° 8'31	27°12	6°16	5°41	21°47	12°50	18°39	5° 3	27°19	3°10	19°45	19°20	20°10	1°38	W17
T 18	23 47 48	25° 7'02	12 <b>Y</b> 22	7°19	6°51	22°28	12°46	18°35	5° 1	27°18	3°11	19°45	19°17	20°16	1°45	T 18
F 19	23 51 45	26° 5'36	27°19	8°30	8° 0	23° 9	12°42	18°31	5° 0	27°17	3°12	19°44	19°14	20°23	1°53	F 19
S 20	23 55 41	27° 4'11	11 <b>8</b> 57	9°46	9° 9	23°50	12°38	18°27	4°59	27°17	3°13	19°43	19°11	20°30	2° 0	S 20
S 21	23 59 38	28° 2'48	26° 9	11° 8	10°18	24°31	12°35	18°22	4°58	27°16	3°14	19°43	19° 8	20°36	2° 8	S 21
M22	0 3 35	29° 1'28	9∏54	12°35	11°27	25°12	12°32	18°18	4°57	27°16	3°16	19°42	19° 4	20°43	2°15	M22
T 23	0 731	0 <b>₾</b> 0'10	23°13	14° 6	12°36	25°53	12°28	18°14	4°56	27°15	3°17	19°41	19° 1	20°49	2°23	T 23
W24	0 11 28	0°58'55	69 6	15°41	13°45	26°35	12°26	18° 9	4°55	27°15	3°18	19°D41	18°58	20°56	2°31	W24
T 25	0 15 24	1°57'41	18°39	17°19	14°53	27°16	12°23	18° 5	4°54	27°14	3°20	19°42	18°55	21° 3	2°39	T 25
F 26	0 19 21	2°56'30	$0\Omega 54$	19° 0	16° 2	27°58	12°20	18° 0	4°53	27°14	3°21	19°43	18°52	21° 9	2°46	F 26
S 27	0 23 17	3°55'21	12°57	20°42	17°11	28°39	12°18	17°56	4°52	27°13	3°22	19°44	18°49	21°16	2°54	S 27
S 28	0 27 14	4°54'14	24°51	22°27	18°19	29°21	12°16	17°51	4°51	27°13	3°24	19°45	18°45	21°23	3° 2	S 28
M29	0 31 10	5°53'10	6 <b>m</b> 39	24°13	19°27	0 <b>x</b> <sup>7</sup> 3	12°14	17°47	4°50	27°13	3°25	19°46	18°42	21°29	3°10	M29
T 30	0 35 7	6 <b>₽</b> 52'07	18 <b>m</b> 26	25 <b>m</b> 59	20 <b>M</b> 35	0 <b>∡</b> 745	12≈12	17 <b>Y</b> 42	4≈49	27 <b>る</b> 12	3 <b>∡</b> 127	19°R47	18 <b>m</b> /39	21 Mp 36	3 <b>M</b> .18	T 30

Day	0	D	ğ	φ	ď	4	ħ	)f(		<del>1</del> f	Р	U	Ω	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl la	at d	decl lat	decl lat	decl	decl	decl	decl lat
M 1	8n21	10n23 1s59	5n 0 3s5	5 6s41 0s 0	15 s56 0 s4	3 17s31 1s	0 5n11 2s	41 19 s32	0s39 20	s15 0n24	8s37 12n21	4n 4	3n53	4n27	10s47 0n38
T 2	7 59	7 6 0 56	5 33 3 42	2 7 12 0 4	16 9 0 4	9 17 32 1	0 5 9 2	41 19 32	0 39 20	15 0 24	8 37 12 21	4 5	3 54	4 25	10 50 0 39
W 3	7 37	3 33 0n10	6 6 3 2	7 42 0 7	16 22 0 4	9 17 34 1	0 5 8 2	42 19 32	0 39 20	15 0 24	8 38 12 20	4 5	3 56	4 23	10 52 0 39
T 4	7 15	0s 8 1 14	6 38 3 1	1 8 12 0 11	16 34 0 5	17 36 1	0 5 7 2	42 19 33	0 39 20	16 0 24	8 38 12 20	4 5	3 57	4 21	10 54 0 39
F 5	6 53	3 49 2 16	7 10 2 5	8 41 0 15	16 47 0 5	1 17 38 1	0 5 5 2	42 19 33	0 39 20	16 0 24	8 39 12 19	4 4	3 58	4 19	10 56 0 39
S 6	6 30	7 23 3 13	7 40 2 3	5 9 11 0 18	16 59 0 5	1 17 39 1	0 5 4 2	42 19 34	0 39 20	16 0 24	8 40 12 19	4 4	3 59	4 18	10 58 0 39
S 7	6 8	10 40 4 1	8 9 2 10	6 9 41 0 22	17 11 0 5	2 17 41 1	0 5 2 2	42 19 34	0 39 20	16 0 24	8 40 12 18	4 4	4 1	4 16	11 0 0 40
M 8	5 46	13 34 4 40	8 35 1 5	7 10 10 0 26	17 23 0 5	3 17 43 1	0 5 1 2	42 19 35	0 39 20	16 0 24	8 41 12 18	4 4	4 2	4 14	11 2 0 40
T 9	5 23	15 53 5 6	8 58 1 3	8 10 39 0 30	17 36 0 5	3 17 44 1	0 4 59 2	43 19 35	0 39 20	17 0 24	8 41 12 17	4 4	4 3	4 12	11 5 0 40
W10	5 0	17 29 5 18	9 17 1 18	8 11 8 0 34	17 48 0 5	4 17 46 1	0 4 58 2	43 19 35	0 39 20	17 0 24	8 42 12 17	4 4	4 4	4 10	11 7 0 40
T 11	4 38	18 13 5 13	9 34 1	0 11 36 0 37	17 59 0 5	4 17 47 1	0 4 56 2	43 19 36	0 39 20	17 0 24	8 43 12 16	4 4	4 6	4 9	11 9 0 41
F 12	4 15	17 56 4 51	9 46 0 4	1 12 5 0 41	18 11 0 5	5 17 49 1	0 4 55 2	43 19 36	0 39 20	17 0 24	8 43 12 16	4 4	4 7	4 7	11 11 0 41
S 13	3 52	16 32 4 12	9 55 0 24	4 12 33 0 45	18 23 0 5	5 17 50 1	0 4 53 2	43 19 36	0 39 20	17 0 24	8 44 12 15	4 4	4 8	4 5	11 14 0 41
S 14	3 29	14 4 3 15	9 59 0	7 13 1 0 49	18 34 0 5	5 17 51 1	0 4 52 2	44 19 37	0 38 20	18 0 24	8 45 12 15	4 4	4 9	4 3	11 16 0 41
M15	3 6	10 37 2 4	9 59 On 9	9 13 28 0 53	18 46 0 5	5 17 53 1	0 4 50 2	44 19 37	0 38 20	18 0 24	8 45 12 14	4 4	4 11	4 2	11 18 0 42
T 16	2 43	6 24 0 43	9 56 0 24	4 13 56 0 57	18 57 0 5	7 17 54 1	0 4 48 2	44 19 37	0 38 20	18 0 24	8 46 12 14	4 4	4 12	4 0	11 20 0 42
W17	2 20	1 45 0s41	9 48 0 3	8 14 23 1 1	19 8 0 5	3 17 55 1	0 4 47 2	44 19 38	0 38 20	18 0 24	8 47 12 13	4 4	4 13	3 58	11 23 0 42
T 18	1 56	3n 0 2 3	9 36 0 50	0 14 49 1 5	19 19 0 5	8 17 56 1	0 4 45 2	44 19 38	0 38 20	18 0 24	8 47 12 13	4 4	4 14	3 56	11 25 0 42
F 19	1 33	7 30 3 14	9 20 1	2 15 16 1 9	19 30 0 5	9 17 57 1	0 4 43 2	44 19 38	0 38 20	18 0 24	8 48 12 13	4 4	4 16	3 54	11 27 0 43
S 20	1 10	11 26 4 11	9 1 1 12	2 15 42 1 13	19 41 0 5	9 17 58 1	0 4 42 2	44 19 38	0 38 20	19 0 24	8 49 12 12	4 4	4 17	3 53	11 30 0 43
S 21	0 47	14 34 4 51	8 38 1 2	1 16 8 1 17	19 52 1	17 59 1	0 4 40 2	44 19 39	0 38 20	19 0 24	8 49 12 12	4 4	4 18	3 51	11 32 0 43
M22	0 23	16 46 5 13	8 12 1 29	9 16 33 1 21	20 2 1	0 18 0 0 5	9 4 38 2	45 19 39	0 38 20	19 0 24	8 50 12 11	4 5	4 19	3 49	11 35 0 43
T 23	0 s 0	17 59 5 17	7 43 1 3	5 16 58 1 25	20 12 1	1 18 1 0 5	9 4 36 2	45 19 39	0 38 20	19 0 24	8 51 12 11	4 5	4 21	3 47	11 37 0 44
W24	0 23	18 13 5 5	7 11 1 4	1 17 23 1 29	20 23 1	1 18 1 0 5	9 4 35 2	45 19 39	0 38 20	19 0 24	8 51 12 10	4 5	4 22	3 45	11 39 0 44
T 25	0 47	17 33 4 38	6 37 1 4:	5 17 47 1 33	20 33 1	2 18 2 0 5	9 4 33 2	45 19 40	0 38 20	19 0 24	8 52 12 10	4 5	4 23	3 44	11 42 0 44
F 26	1 10	16 4 3 59	6 1 1 4	8 18 11 1 37	20 43 1	2 18 3 0 5	9 4 31 2	45 19 40	0 38 20	19 0 24	8 53 12 9	4 4	4 24	3 42	11 44 0 45
S 27	1 34	13 53 3 10	5 23 1 5	1 18 34 1 41	20 52 1	2 18 3 0 5	9 4 29 2	45 19 40	0 38 20	19 0 24	8 53 12 9	4 4	4 26	3 40	11 47 0 45
S 28	1 57	11 8 2 14	4 43 1 52	2 18 57 1 45	21 2 1	3 18 4 0 5	9 4 28 2	45 19 40	0 38 20	20 0 24	8 54 12 9	4 3	4 27	3 38	11 49 0 45
M29	2 20	7 57 1 12	4 2 1 5	3 19 20 1 49	21 11 1	3 18 4 0 5	9 4 26 2	45 19 40	0 38 20	20 0 24	8 55 12 8	4 3	4 28	3 36	11 51 0 45
T 30	2 s44	4n28 0s 7	3n19 1n5	3 19 s 42 1 s 5 3	21 s21 1 s	4 18s 5 0s5	9 4n24 2s	45 19 s40	0s38 20	s20 0n24	8 s 5 5 12 n 8	4n 3	4n29	3n35	11 s54 0n46

Julian Day Number = 2450692.5, Delta T = 62.75 sec Ecliptic obliquity =  $23^{\circ}26'14$ , Nutation = -0°00'02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'28$ , Lahiri =  $23^{\circ}49'28$ 

OCTOBER 1997 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	24	ħ	)∤(	并	Р	R	ດ	Ç	ķ	Day
						_										,
W 1 T 2	0 39 4 0 43 0	7 <b>♀</b> 51'06 8°50'08	0 <b>≙</b> 14 12° 5	27 Mp 47 29°35	21 <b>M</b> .43 22°51	1 <b>∡</b> 727 2° 9	12°R11 12 <b>≈</b> 9	17°R38 17 <b>Υ</b> 33	4°R49 4 <b>≈</b> 48	27°R12 27 <b>る</b> 12	3 <b>∡</b> 728 3°30	19°R47 19 <b>m</b> 45	18 <b>m</b> )36 18°33	21 Mp 43 21°49	3M26 3°34	W 1 T 2
F 3	0 45 0	9°49'12	24° 1	1 <u>₽</u> 23	23°59	2°51	12 <b>≈</b> 9	17°28	4≈48 4°47	27°11	3°31	1911/43 19°43	18°33	21°49 21°56	3°42	T 2 F 3
S 4	0 50 53	9 49 12 10°48'17	6M 4	3°11	25° 7	3°33	12° 7	17°24	4°47	27°11	3°33	19 43 19°40	18°26	21° 30° 22° 3	3°50	г 3 S 4
	0 30 33			-	,											5 4
S 5	0 54 50	11°47'25	18°17	4°58	26°15	4°16	12° 7	17°19	4°46	27°11	3°35	19°36	18°23	22° 9	3°58	S 5
M 6	0 58 46	12°46'34	0 <b>₮</b> 40	6°46	27°22	4°58	12° 6	17°14	4°46	27°11	3°36	19°33	18°20	22°16	4° 6	M 6
T 7	1 2 43	13°45'46	13°17	8°33	28°29	5°41	12° 6	17°10	4°46	27°11	3°38	19°29	18°17	22°22	4°14	T 7
W 8	1 6 39	14°44'59	2 <u>6°</u> 9	10°19	29°36	6°23	12°D 6	17° 5	4°45	27°11	3°40	19°27	18°14	22°29	4°23	W 8
T 9	1 10 36	15°44'14	9 <b>3</b> 20	12° 6	0 <b>∡</b> 743	7° 6	12° 6	17° 0	4°45	27°D11	3°41	19°26	18°10	22°36	4°31	T 9
F 10	1 14 32	16°43'30	22°50	13°51	1°50	7°49	12° 6	16°55	4°45	27°11	3°43	19°D26	18° 7	22°42	4°39	F 10
S 11	1 18 29	17°42'49	6≈42	15°36	2°57	8°32	12° 6	16°51	4°44	27°11	3°45	19°27	18° 4	22°49	4°47	S 11
S 12	1 22 26	18°42'09	20°56	17°20	4° 4	9°15	12° 7	16°46	4°44	27°11	3°47	19°28	18° 1	22°56	4°55	S 12
M13	1 26 22	19°41'31	5 <b>)</b> €30	19° 3	5°10	9°58	12° 8	16°41	4°44	27°11	3°49	19°30	17°58	23° 2	5° 4	M13
T 14	1 30 19	20°40'54	20°22	20°46	6°16	10°41	12° 9	16°36	4°D44	27°11	3°50	19°R30	17°55	23° 9	5°12	T 14
W15	1 34 15	21°40'20	5 <b>Ƴ</b> 23	22°28	7°22	11°24	12°10	16°32	4°44	27°11	3°52	19°29	17°51	23°16	5°20	W15
T 16	1 38 12	22°39'47	20°28	24°10	8°28	12° 8	12°12	16°27	4°44	27°12	3°54	19°27	17°48	23°22	5°29	T 16
F 17	1 42 8	23°39'16	5 <b>8</b> 26	25°50	9°34	12°51	12°13	16°22	4°44	27°12	3°56	19°23	17°45	23°29	5°37	F 17
S 18	1 46 5	24°38'48	20° 8	27°31	10°39	13°34	12°15	16°18	4°45	27°12	3°58	19°18	17°42	23°36	5°45	S 18
S 19	1 50 1	25°38'22	4 <b>Ⅲ</b> 28	29°10	11°45	14°18	12°17	16°13	4°45	27°12	4° 0	19°12	17°39	23°42	5°54	S 19
M20	1 53 58	26°37'58	18°22	0 <b>M</b> .49	12°50	15° 2	12°19	16° 8	4°45	27°13	4° 2	19° 7	17°35	23°49	6° 2	M20
T 21	1 57 55	27°37'36	19947	2°27	13°55	15°45	12°22	16° 4	4°45	27°13	4° 4	19° 2	17°32	23°55	6°11	T 21
W22	2 1 51	28°37'16	14°46	4° 4	14°59	16°29	12°24	15°59	4°46	27°14	4° 6	19° 0	17°29	24° 2	6°19	W22
T 23	2 5 48	29°36'59	27°20	5°41	16° 4	17°13	12°27	15°55	4°46	27°14	4° 8	18°D59	17°26	24° 9	6°28	T 23
F 24	2 9 44	0 <b>M</b> 36'44	9 <b>Ω</b> 35	7°18	17° 8	17°57	12°30	15°50	4°47	27°15	4°10	18°59	17°23	24°15	6°36	F 24
S 25	2 13 41	1°36'31	21°36	8°54	18°12	18°41	12°33	15°46	4°47	27°15	4°12	19° 0	17°20	24°22	6°44	S 25
S 26	2 17 37	2°36'21	3 <b>m</b> 27	10°29	19°16	19°25	12°37	15°41	4°48	27°16	4°14	19° 2	17°16	24°29	6°53	S 26
M27	2 21 34	3°36'12	15°14	12° 3	20°19	20° 9	12°40	15°37	4°48	27°16	4°16	19°R 3	17°13	24°35	7° 1	M27
T 28	2 25 30	4°36'06	27° 0	13°38	21°22	20°53	12°44	15°32	4°49	27°17	4°18	19° 3	17°10	24°42	7°10	T 28
W29	2 29 27	5°36'02	8 <b>≏</b> 51	15°11	22°25	21°38	12°48	15°28	4°50	27°17	4°20	19° 0	17° 7	24°49	7°18	W29
T 30	2 33 24	6°35'59	20°48	16°45	23°28	22°22	12°52	15°24	4°50	27°18	4°22	18°56	17° 4	24°55	7°27	T 30
F 31	2 37 20	7 <b>M</b> 35'59	2 <b>M</b> 55	18 <b>M</b> .17	24 <b>₮</b> 30	23 <b>∡</b> 6	12 <b>≈</b> 57	15 <b>Y</b> 20	4≈51	27 <b>궁</b> 19	4 <b>₹</b> 25	18 <b>m</b> /49	17 <b>m</b> ) 1	25 <b>m</b> 2	7 <b>M</b> 35	F 31

Day	0	D	ğ	·	♂	4	ħ	)Å(	卉	Р	a u	Ç	ķ
	decl	decl lat	decl lat	decl lat de	cl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	el decl	decl lat
W 1 T 2 F 3	3 s 7 3 30 3 53	0n47 0n58 2s56 2 0	1 51 1 5	2 20s 4 1s56 21s 0 20 25 2 0 21	39 1 5	18 5 0 59	4 20 2 45	19 41 0 38	20 s20 0n24 20 20 0 24	8 s 5 6 12 n 7 8 5 7 12 7 8 5 7 12 6	4n 3 4n3 4 3 4 3	32 3 31	11 s56 0n46 11 59 0 46
S 4	4 17	6 33 2 58 9 57 3 48	-		47 1 5 56 1 5				20 20 0 24 20 20 0 24	8 57 12 6 8 58 12 6	4 4 4 3 4 4 4 6 4 3	33 3 29 34 3 27	12 1 0 46 12 4 0 47
S 5 M 6 T 7	5 3	12 57 4 29 15 26 4 58 17 13 5 13			13 1 6		4 13 2 46	19 41 0 38	20 20 0 24 20 20 0 24 20 20 0 24	8 59 12 6 8 59 12 5 9 0 12 5	4 7 4 3 4 8 4 3 4 10 4 3		
W 8 T 9 F 10	6 12	18 11 5 12 18 11 4 56 17 11 4 23		0 22 23 2 23 22 5 22 41 2 26 22 0 22 58 2 30 22	36 1 7	18 6 0 58 18 6 0 58 18 6 0 58	4 8 2 46	19 41 0 38	20 20 0 24 20 20 0 24 20 20 0 24	9 1 12 5 9 1 12 4 9 2 12 4	4 11 4 3 4 11 4 4 4 11 4 4	11 3 18	12 14 0 48 12 16 0 48 12 19 0 48
S 11 S 12	6 57 7 20	15 9 3 34 12 8 2 30		5 23 15 2 33 22 9 23 31 2 37 22					20 20 0 23 20 20 0 23	9 3 12 3 9 3 12 3	4 11 4 4		12 21 0 48 12 24 0 49
M13 T 14	7 42 8 5	8 19 1 16 3 53 0s 5	6 29 1 7 14 0 5	3 23 47 2 40 23 7 24 2 2 43 23	4 1 9 11 1 9	18 5 0 58 18 5 0 58	4 0 2 46 3 59 2 46	19 41 0 38 19 41 0 38	20 20 0 23 20 20 0 23	9 4 12 3 9 5 12 2	4 10 4 4 4 9 4 4	15 3 11 17 3 9	12 26 0 49 12 29 0 49
W15 T 16 F 17	8 27 8 49 9 11	0n49 1 26 5 30 2 41 9 47 3 45	7 57 0 5 8 41 0 4 9 23 0 3	5 24 30 2 50 23	24 1 10	18 4 0 58		19 41 0 38	20 20 0 23 20 20 0 23 20 20 0 23	9 5 12 2 9 6 12 2 9 7 12 1	4 11 4	18 3 7 19 3 5 50 3 4	12 31 0 .7
S 18 S 19		13 24 4 32 16 6 5 1		2 24 56 2 56 23 5 25 9 2 59 23					20 20 0 23 20 20 0 23	9 7 12 1 9 8 12 1	4 14 4 3 4 16 4 3		12 39 0 50 12 41 0 51
M20 T 21	10 16 10 38	17 45 5 11 18 22 5 4	11 28 0 1 12 8 0 1	8 25 20 3 1 23 2 25 31 3 4 23	46 1 11 51 1 11	18 1 0 57 18 0 0 57	3 48 2 45 3 46 2 45	19 41 0 38 19 41 0 38	20 20 0 23 20 20 0 23	9 9 12 0 9 9 12 0	4 19 4 : 4 20 4 :	54 2 58 55 2 56	12 44 0 51 12 47 0 51
W22 T 23 F 24		16 41 4 5	13 27 0s	5 25 41 3 7 23 2 25 51 3 10 24 9 26 0 3 12 24	1 1 12	18 0 0 57 17 59 0 57 17 58 0 57	3 43 2 45	19 41 0 38	20 20 0 23 20 20 0 23 20 20 0 23	9 10 12 0 9 11 11 59 9 11 11 59	4 21 4 3 4 22 4 3 4 22 4 3	8 2 53	12 49 0 51 12 52 0 52 12 54 0 52
S 25	12 2	12 2 2 24	14 42 0 1	6 26 8 3 14 24	9 1 12	17 57 0 57	3 40 2 45	19 40 0 37	20 20 0 23	9 12 11 59	4 21 5	0 2 49	12 57 0 52
S 26 M27 T 28	12 23 12 43 13 3	5 30 0 21	15 55 0 2	2 26 16 3 17 24 9 26 23 3 19 24 6 26 30 3 21 24	17 1 12	17 56 0 57 17 55 0 57 17 53 0 57	3 36 2 45	19 40 0 37	20 20 0 23 20 20 0 23 20 19 0 23	9 13 11 59 9 13 11 58 9 14 11 58	4 20 5 4 20 5 4 20 5	2 2 47 3 2 45 4 2 44	
W29 T 30	13 23 13 43	1 s 5 4 1 4 5 5 3 6 2 4 3	17 4 0 4 17 37 0 4	2 26 36 3 23 24 9 26 41 3 25 24	23 1 13 26 1 13	17 52 0 57 17 51 0 56	3 33 2 45 3 32 2 45	19 40 0 37 19 39 0 37	20 19 0 23 20 19 0 23	9 14 11 58 9 15 11 57	4 21 5 4 23 5	5 2 42 7 2 40	13 7 0 53 13 9 0 54
F 31	14s 3	9 s 7 3n34	18s10 0s5	5 26 s46 3 s27 24 s	29 IS13	17s50 0s56	3n30 2s45	19 s 39 0 s 37	20s19 0n23	9s16 11n57	4n25 5n	8 2n38	13 s11 0n54

Julian Day Number = 2450722.5, Delta T = 62.81 sec Ecliptic obliquity =  $23^{\circ}26'14$ , Nutation =  $-0^{\circ}00'04$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'32$ , Lahiri =  $23^{\circ}49'32$ 

NOVEMBER 1997 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	¥	Р	R	v	Ç	Ŗ	Day
S 1	2 41 17	8 <b>M</b> .36'01	15 <b>M</b> 12	19 <b>M</b> 50	25 <b>×</b> 32	23 <b>×7</b> 51	13≈ 1	15°R15	4≈52	27 <b>云</b> 20	4 <b>∡7</b> 27	18°R41	16 <b>m</b> 57	25 <b>m</b> 9	7 <b>M</b> .44	S 1
S 2	2 45 13	9°36'05	27°40	21°22	26°34	24°36	13° 6	15 <b>Y</b> 11	4°53	27°20	4°29	18 <b>m</b> y31	16°54	25°15	7°52	S 2
M 3	2 49 10	10°36'10	10 <b>∡</b> 120	22°53	27°36	25°20	13°11	15° 7	4°54	27°21	4°31	18°21	16°51	25°22	8° 1	M 3
T 4	2 53 6	11°36'17	23°13	24°24	28°37	26° 5	13°16	15° 3	4°55	27°22	4°33	18°12	16°48	25°29	8° 9	T 4
W 5	2 57 3	12°36'26	6 <b>ਰ</b> 17	25°54	29°38	26°50	13°21	14°59	4°56	27°23	4°36	18° 5	16°45	25°35	8°17	W 5
T 6	3 0 59	13°36'36	19°34	27°25	0 <b>云</b> 38	27°35	13°26	14°56	4°57	27°24	4°38	18° 0	16°41	25°42	8°26	T 6
F 7	3 4 56	14°36'48	3≈ 5	28°54	1°38	28°20	13°32	14°52	4°58	27°25	4°40	17°57	16°38	25°48	8°34	F 7
S 8	3 8 53	15°37'02	16°50	0 <b>∡</b> 23	2°38	29° 5	13°38	14°48	5° 0	27°26	4°42	17°D57	16°35	25°55	8°43	S 8
S 9	3 12 49	16°37'17	0 <b>∺</b> 50	1°52	3°37	2 <u>9</u> °50	13°43	14°44	5° 1	27°27	4°45	17°57	16°32	26° 2	8°51	S 9
M10	3 16 46	17°37'33	15° 5	3°20	4°36	0 <b>ප</b> 35	13°50	14°41	5° 2	27°28	4°47	17°R58	16°29	26° 8	9° 0	M10
T 11	3 20 42	18°37'50	29°34	4°48	5°34	1°20	13°56	14°37	5° 3	27°29	4°49	17°57	16°26	26°15	9° 8	T 11
W12	3 24 39	19°38'09	14 <b>Υ</b> 12	6°15	6°32	2° 5	14° 2	14°34	5° 5	27°30	4°51	17°55	16°22	26°22	9°16	W12
T 13	3 28 35	20°38'30	28°56	7°42	7°30	2°50	14° 9	14°30	5° 6	27°31	4°54	17°49	16°19	26°28	9°25	T 13
F 14	3 32 32	21°38'52	13837	9° 8	8°27	3°36	14°15	14°27	5° 8	27°32	4°56	17°41	16°16	26°35	9°33	F 14
S 15	3 36 28	22°39'16	28° 9	10°34	9°23	4°21	14°22	14°24	5° 9	27°33	4°58	17°32	16°13	26°42	9°41	S 15
S 16	3 40 25	23°39'41	12 <b>Ⅱ</b> 25	11°58	10°19	5° 7	14°29	14°21	5°11	27°35	5° 1	17°21	16°10	26°48	9°50	S 16
M17	3 44 22	24°40'09	26°18	13°22	11°14	5°52	14°37	14°18	5°13	27°36	5° 3	17°10	16° 7	26°55	9°58	M17
T 18	3 48 18	25°40'38	99545	14°45	12° 9	6°38	14°44	14°15	5°14	27°37	5° 5	17° 1	16° 3	27° 2	10° 6	T 18
W19	3 52 15	26°41'08	22°47	16° 7	13° 3	7°23	14°52	14°12	5°16	27°38	5° 8	16°53	16° 0	27° 8	10°15	W19
T 20	3 56 11	27°41'41	5 <b>Ω</b> 25	17°29	13°57	8° 9	14°59	14° 9	5°18	27°40	5°10	16°49	15°57	27°15	10°23	T 20
F 21	4 0 8	28°42'15	17°42	18°48	14°50	8°55	15° 7	14° 7	5°20	27°41	5°12	16°46	15°54	27°22	10°31	F 21
S 22	4 4 4	29°42'51	29°44	20° 7	15°42	9°40	15°15	14° 4	5°22	27°43	5°15	16°D46	15°51	27°28	10°39	S 22
S 23	4 8 1	0 <b>҂</b> 43′28	11 <b>m</b> 35	21°24	16°33	10°26	15°23	14° 2	5°23	27°44	5°17	16°R46	15°47	27°35	10°47	S 23
M24	4 11 57	1°44'07	23°23	22°39	17°24	11°12	15°31	13°59	5°25	27°45	5°20	16°46	15°44	27°41	10°55	M24
T 25	4 15 54	2°44'48	5 <b>≙</b> 10	23°52	18°14	11°58	15°40	13°57	5°27	27°47	5°22	16°44	15°41	27°48	11° 3	T 25
W26	4 19 51	3°45'31	17° 4	25° 3	19° 4	12°44	15°48	13°55	5°30	27°48	5°24	16°40	15°38	27°55	11°12	W26
T 27	4 23 47	4°46'15	29° 8	26°12	19°52	13°30	15°57	13°52	5°32	27°50	5°27	16°34	15°35	28° 1	11°20	T 27
F 28	4 27 44	5°47'00	11 <b>M</b> 24	27°17	20°40	14°16	16° 6	13°50	5°34	27°51	5°29	16°24	15°32	28° 8	11°28	F 28
S 29	4 31 40	6°47'47	23°55	28°19	21°27	15° 2	16°15	13°49	5°36	27°53	5°31	16°12	15°28	28°15	11°36	S 29
S 30	4 35 37	7 <b>∡</b> 148'35	6 <b>₹</b> 42	29 <b>×</b> 17	22312	15 <b>る</b> 49	16≈24	13 <b>Y</b> 47	5 <b>≈</b> 38	27 <b>궁</b> 55	5 <b>₹</b> 34	15 <b>m</b> 59	15 <b>m</b> 25	28 <b>m</b> /21	11 <b>M</b> .43	S 30

Day	0	J	)	ğ	i	φ	1	a	7	2	ŀ	ħ	 ι	);	<del>j</del> (	4	1	Р	v	v	Ç	ď	j
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
S 1	14 s22	12 s18	4n16	18s41	1 s 2	26s50	3 s28	24 s31	1 s13	17 s48	0 s 5 6	3n29	2 s44	19 s39	0s37	20s19	0n23	9s16 11n57	4n29	5n 9	2n36	13 s14	0n54
S 2	14 41	14 59	4 46	19 12	1 8	26 53	3 30	24 33	1 14	17 47	0 56	3 27	2 44	19 39	0 37	20 19	0 23	9 17 11 57	4 32	5 10	2 34	13 16	0 54
M 3	15 0	17 0	5 3	19 41	1 14	26 56	3 31		1 14	17 45	0 56	3 26	2 44			20 19	0 23	9 17 11 56		5 11		13 19	0 55
T 4		18 11	-	20 10	1 20	26 58		24 37		17 44	0 56	3 24	2 44	19 38		20 19	0 23	9 18 11 56		5 13	-	13 21	0 55
W 5		18 27		20 38	1 26		3 33			17 42	0 56	3 23	2 44	-, -,			0 23	9 19 11 56	-	5 14		13 24	0 55
T 6		17 42		21 4	1 32		3 34			17 41	0 56	3 22		19 38		20 18	0 23	9 19 11 56		5 15		13 26	0 56
F 7		15 57		21 30	1 38		3 35			17 39	0 56	3 20		19 37		20 18	0 23	9 20 11 56		5 16		13 29	0 56
S 8	16 31	13 16	2 39	21 55	1 43	27 0	3 36	24 41	1 15	17 37	0 56	3 19	2 43	19 37	0 37	20 18	0 23	9 20 11 55	4 46	5 18	2 23	13 31	0 56
S 9	16 48	9 46	1 30	22 18	1 48	26 59	3 36	24 41	1 15	17 35	0 56	3 18	2 43	19 37	0 37	20 18	0 23	9 21 11 55	4 46	5 19	2 22	13 33	0 56
M10	17 5	5 38	0 15	22 40	1 53	26 58	3 36	24 41	1 15	17 34	0 55	3 17	2 43	19 36	0 37	20 18	0 23	9 22 11 55	4 45	5 20	2 20	13 36	0 57
T 11	17 22	1 7	1 s 2	23 2	1 58	26 56	3 37	24 41	1 15	17 32	0 55	3 15	2 43	19 36	0 37	20 17	0 23	9 22 11 55	4 46	5 21	2 18	13 38	0 57
W12	17 38	3n31	2 15		2 3		3 37			17 30	0 55	3 14		19 36		20 17	0 23	9 23 11 55		5 23		13 41	0 57
T 13	17 55	7 58	3 20		2 7		3 36			17 28	0 55	3 13		19 35		20 17	0 23	9 23 11 54		5 24		13 43	0 58
F 14		11 55		23 59	2 11		3 36			17 26	0 55	3 12		19 35		20 17	0 23	9 24 11 54		5 25		13 45	0 58
S 15	18 26	15 6	4 46	24 15	2 15	26 41	3 35	24 37	1 15	17 24	0 55	3 11	2 42	19 34	0 37	20 17	0 23	9 24 11 54	4 56	5 26	2 11	13 48	0 58
S 16	18 41	17 17	5 2	24 30	2 18	26 36	3 35	24 36	1 15	17 22	0 55	3 10	2 42	19 34	0 37	20 16	0 23	9 25 11 54	5 0	5 28	2 9	13 50	0 59
M17	18 56	18 24	4 59	24 44	2 21	26 31	3 34	24 34	1 15	17 19	0 55	3 9	2 42	19 34	0 37	20 16	0 23	9 26 11 54	5 4	5 29	2 7	13 52	0 59
T 18	19 11	18 26	4 40	24 57	2 24	26 25		24 32	1 15	17 17	0 55	3 8	2 42	19 33	0 37	20 16	0 23	9 26 11 54	5 8	5 30	-	13 55	0 59
W19	19 25			25 8	2 26		3 31			17 15	0 55	3 7		19 33		20 16	0 23	9 27 11 53		5 31		13 57	1 0
T 20		15 39		25 18	2 28	26 11	3 30			17 12	0 55	3 6		19 32		20 15	0 23	9 27 11 53		5 32		13 59	1 0
F 21		13 10	-	25 27	2 30		3 28			17 10	0 54	3 5	2 41			20 15	0 23	9 28 11 53		5 34	1 59		1 0
S 22	20 5	10 10	1 29	25 34	2 31	25 55	3 26	24 20	1 16	17 8	0 54	3 5	2 41	19 31	0 37	20 15	0 23	9 28 11 53	5 14	5 35	1 58	14 4	1 0
S 23	20 18	6 48	0 28	25 40	2 31	25 47	3 24	24 17	1 16	17 5	0 54	3 4	2 41	19 31	0 37	20 15	0 23	9 29 11 53	5 13	5 36	1 56	14 6	1 1
M24	20 30	3 10	0n35	25 45	2 31	25 38	3 21	24 13	1 16	17 3	0 54	3 3	2 40	19 30	0 37	20 14	0 22	9 29 11 53	5 14	5 37	1 54	14 8	1 1
T 25	20 42	0 s 3 5	1 36	25 48	2 30	25 29	3 19	24 9	1 16	17 0	0 54	3 2	2 40	19 30	0 37	20 14	0 22	9 30 11 53	5 14	5 39	1 52	14 10	1 1
	20 54	4 20		25 50	2 29		3 16			16 57	0 54	3 2		19 29			0 22	9 30 11 53		5 40		14 12	1 2
T 27	21 5	7 58	-	25 50	2 27		3 13			16 55	0 54	3 1		19 29		20 14	-	9 31 11 53		5 41	-	14 15	1 2
F 28	-	11 20		25 49		24 58		23 55		16 52	0 54	3 1		19 28		20 13	0 22	9 31 11 53		5 42		14 17	1 2
S 29	21 27	14 15	4 38	25 46	2 20	24 47	3 6	23 50	1 15	16 49	0 54	3 0	2 39	19 28	0 37	20 13	0 22	9 31 11 52	5 26	5 44	1 45	14 19	1 3
S 30	21 s37	16 s33	4n56	25 s42	2s16	24 s 36	3 s 2	23 s45	1 s 1 5	16 s47	0 s54	3n 0	2 s 3 9	19 s27	0 s 3 7	20 s13	0n22	9s32 11n52	5n32	5n45	1n43	14 s21	1n 3

Julian Day Number = 2450753.5, Delta T = 62.86 sec Ecliptic obliquity =  $23^{\circ}26'14$ , Nutation = -  $0^{\circ}00'06$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'36$ , Lahiri =  $23^{\circ}49'37$ 

DECEMBER 1997 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂ <sup>™</sup>	4	ħ	)∤(	¥	Р	R	Ω	Ç	ķ	Day
M 1	4 39 33	8 <b>∡</b> 749'25	19 <b>×7</b> 44	0 <b>궁</b> 10	22 <b>궁</b> 57	16 <b>ට</b> 35	16≈33	13°R45	5≈40	27 <b>궁</b> 56	5 <b>₹</b> 36	15°R45	15 <b>m</b> 22	28 <b>m</b> 28	11 <b>M</b> .51	M 1
T 2	4 43 30	9°50'16	2 <b>る</b> 59	0°59	23°41	17°21	16°42	13 <b>Y</b> 43	5°43	27°58	5°38	15 <b>m</b> 32	15°19	28°35	11°59	T 2
W 3	4 47 26	10°51'07	16°25	1°42	24°24	18° 8	16°52	13°42	5°45	28° 0	5°41	15°22	15°16	28°41	12° 7	W 3
T 4	4 51 23	11°52'00	0≈ 1	2°18	25° 6	18°54	17° 2	13°40	5°47	28° 1	5°43	15°14	15°13	28°48	12°15	T 4
F 5	4 55 20	12°52'54	13°45	2°47	25°46	19°40	17°11	13°39	5°50	28° 3	5°46	15° 9	15° 9	28°55	12°22	F 5
S 6	4 59 16	13°53'48	27°37	3° 8	26°26	20°27	17°21	13°38	5°52	28° 5	5°48	15° 7	15° 6	29° 1	12°30	S 6
S 7	5 3 13	14°54'43	11 <b>)</b> 34	3°20	27° 4	21°13	17°31	13°37	5°55	28° 6	5°50	15° 6	15° 3	29° 8	12°38	S 7
M 8	5 7 9	15°55'39	25°39	3°R22	27°41	22° 0	17°41	13°36	5°57	28° 8	5°53	15° 6	15° 0	29°15	12°45	M 8
T 9	5 11 6	16°56'35	9 <b>Υ</b> 49	3°13	28°16	22°46	17°51	13°35	6° 0	28°10	5°55	15° 5	14°57	29°21	12°53	T 9
W10	5 15 2	17°57'32	24° 3	2°54	28°50	23°33	18° 2	13°34	6° 2	28°12	5°57	15° 2	14°53	29°28	13° 0	W10
T 11	5 18 59	18°58'29	8820	2°23	29°23	24°20	18°12	13°34	6° 5	28°14	6° 0	14°55	14°50	29°35	13° 8	T 11
F 12	5 22 55	19°59'28	22°34	1°40	29°54	25° 6	18°23	13°33	6° 8	28°16	6° 2	14°46	14°47	29°41	13°15	F 12
S 13	5 26 52	21° 0'27	6 <b>Ⅱ</b> 42	0°47	0≈24	25°53	18°33	13°33	6°10	28°18	6° 4	14°35	14°44	29°48	13°23	S 13
S 14	5 30 49	22° 1'27	20°38	29 <b>х</b> 44	0°52	26°40	18°44	13°32	6°13	28°19	6° 6	14°22	14°41	29°54	13°30	S 14
M15	5 34 45	23° 2'27	49917	28°32	1°18	27°27	18°55	13°32	6°16	28°21	6° 9	14° 9	14°38	0 <b>亞</b> 1	13°37	M15
T 16	5 38 42	24° 3'29	17°36	27°14	1°42	28°13	19° 6	13°D32	6°19	28°23	6°11	13°58	14°34	0° 8	13°44	T 16
W17	5 42 38	25° 4'31	0€33	25°52	2° 5	29° 0	19°17	13°32	6°21	28°25	6°13	13°48	14°31	0°14	13°51	W17
T 18	5 46 35	26° 5'34	13°10	24°29	2°25	29°47	19°28	13°32	6°24	28°27	6°16	13°42	14°28	0°21	13°59	T 18
F 19	5 50 31	27° 6'37	25°28	23° 8	2°44	0≈34	19°40	13°32	6°27	28°29	6°18	13°38	14°25	0°28	14° 6	F 19
S 20	5 54 28	28° 7'42	7 <b>m</b> 31	21°51	3° 1	1°21	19°51	13°33	6°30	28°31	6°20	13°37	14°22	0°34	14°13	S 20
S 21	5 58 24	2 <u>9</u> ° 8'47	19°23	20°40	3°15	2° 8	20° 3	13°33	6°33	28°33	6°22	13°D37	14°19	0°41	14°19	S 21
M22	6 2 21	0る 9'53	1 <b>≏</b> 11	19°39	3°28	2°55	20°14	13°34	6°36	28°35	6°24	13°R37	14°15	0°48	14°26	M22
T 23	6 6 18	1°11'00	13° 0	18°47	3°38	3°42	20°26	13°34	6°39	28°37	6°27	13°36	14°12	0°54	14°33	T 23
W24	6 10 14	2°12'07	24°55	18° 5	3°46	4°29	20°38	13°35	6°42	28°39	6°29	13°34	14° 9	1° 1	14°40	W24
T 25	6 14 11	3°13'16	7M 2	17°34	3°52	5°16	20°49	13°36	6°45	28°42	6°31	13°29	14° 6	1° 8	14°46	T 25
F 26	6 18 7	4°14'24	19°24	17°14	3°55	6° 3	21° 1	13°37	6°48	28°44	6°33	13°21	14° 3	1°14	14°53	F 26
S 27	6 22 4	5°15'34	2 <b>₹</b> 4	17°D 5	3°R56	6°50	21°13	13°38	6°51	28°46	6°35	13°11	13°59	1°21	14°59	S 27
S 28	6 26 0	6°16'44	15° 5	17° 5	3°55	7°37	21°26	13°39	6°54	28°48	6°37	13° 0	13°56	1°28	15° 6	S 28
M29	6 29 57	7°17'54	28°25	17°14	3°51	8°24	21°38	13°41	6°58	28°50	6°40	12°48	13°53	1°34	15°12	M29
T 30	6 33 53	8°19'04	12중 3	17°31	3°44	9°12	21°50	13°42	7° 1	28°52	6°42	12°36	13°50	1°41	15°19	T 30
W31	6 37 50	9 <b>ට</b> 20'15	25 <b>궁</b> 56	17 <b>.₹</b> 57	3≈35	9 <b>≈</b> 59	22≈ 2	13 <b>°</b> 44	7≈ 4	28 <b>궁</b> 54	6 <b>才</b> 44	12 <b>m</b> 27	13 <b>M</b> 47	1 <b>≏</b> 48	15 <b>M</b> 25	W31

Day	0	D	ğ	·	ð	4	ħ	)Å(	卉	Р	w v	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl de	el decl	decl lat
T 2	21 s46 21 55			s10 24s24 2s57 2 4 24 12 2 53 2		16s44 0s54 16 41 0 54			20 s12 0n22 20 12 0 22	9s32 11n52 9 33 11 52	5n37 5n4 5 42 5 4		14s23 1n 3 14 25 1 4
W 3 T 4 F 5	22 4 22 13 22 20		25 12 1	56 24 0 2 48 2 47 23 47 2 43 2 37 23 34 2 38 2	3 21 1 15	16 38 0 54 16 35 0 54 16 32 0 53	2 58 2 38	19 25 0 37 19 25 0 37 19 24 0 36		9 33 11 52 9 34 11 52 9 34 11 52	5 46 5 4 5 49 5 5 5 51 5 5	0 1 35	14 27 1 4 14 29 1 4 14 31 1 5
S 6				25 23 21 2 32 2		16 29 0 53			20 11 0 22	9 34 11 52	5 52 5 5		14 33 1 5
W10	22 35 22 42 22 48 22 54 22 59	2 35 0s55 1n57 2 7 6 23 3 10	24 22 0 2 24 6 0 4 23 50 0	42 22 41 2 13 2 25 22 27 2 6 2	2 52 1 15 2 45 1 15 2 36 1 15	16 26 0 53 16 23 0 53 16 19 0 53 16 16 0 53 16 13 0 53	2 57 2 37 2 57 2 37 2 57 2 36	19 22 0 36		9 35 11 52 9 35 11 52 9 36 11 52 9 36 11 52 9 36 11 52	5 52 5 5 5 52 5 5 5 53 5 5 5 54 5 5 5 56 5 5	55 1 28 56 1 26 57 1 24	14 35 1 5 14 37 1 6 14 39 1 6 14 41 1 7 14 43 1 7
F 12	23 4	13 55 4 39	23 14 0n	12 21 59 1 51 2 32 21 44 1 43 2	2 20 1 14	16 10 0 53	2 57 2 36	19 20 0 36 19 19 0 36	20 9 0 22	9 37 11 52 9 37 11 52 9 37 11 52	6 0 6 6 4 6	0 1 21	14 45 1 7 14 45 1 7 14 47 1 8
M15 T 16 W17 T 18 F 19	23 15 23 18 23 21	18 40 4 42 18 8 4 11 16 39 3 27 14 24 2 34 11 33 1 35	22 14 1 21 53 1 : 21 33 1 : 21 13 2 20 54 2 :	31 21 1 1 16 2 50 20 47 1 7 2	53 1 14 43 1 14 33 1 14 23 1 13 13 1 13	15 59 0 53 15 56 0 53 15 52 0 53	2 57 2 35 2 58 2 35 2 58 2 35 2 58 2 34 2 59 2 34	19 18 0 36 19 17 0 36 19 17 0 36 19 16 0 36 19 15 0 36 19 15 0 36 19 14 0 36	20 8 0 22 20 7 0 22 20 7 0 22 20 7 0 22 20 7 0 22 20 6 0 22	9 37 11 52 9 38 11 52 9 38 11 52 9 38 11 52 9 39 11 52 9 39 11 52 9 39 11 52	6 9 6 6 14 6 6 19 6 6 22 6 6 25 6 6 26 6 6 26 6	3 1 15 4 1 13 6 1 11 7 1 9 8 1 7	
W24 T 25 F 26	23 26 23 26 23 26 23 25 23 24 23 22 23 20	0 56 1 32 2s50 2 30 6 32 3 21 10 0 4 4 13 8 4 37	20 10 2 2 20 0 2		0 41 1 13 0 30 1 12 0 18 1 12 0 7 1 12 0 55 1 12	15 38 0 53 15 34 0 53 15 30 0 53 15 27 0 52 15 23 0 52 15 19 0 52 15 15 0 52	3 0 2 33 3 0 2 33 3 1 2 33	19 11 0 36 19 10 0 36 19 9 0 36	20 5 0 22 20 5 0 22 20 4 0 22 20 4 0 22 20 3 0 22	9 40 11 52 9 40 11 53 9 40 11 53 9 40 11 53 9 41 11 53 9 41 11 53 9 41 11 53	6 26 6 6 6 6 27 6 6 28 6 6 30 6 6 33 6 6 36 6 3	2 1 2 3 1 0 4 0 58 5 0 56 7 0 54	15 6 1 12 15 7 1 12
M29 T 30	23 17 23 14 23 11 23 s 6	18 34 4 52 18 30 4 24	19 59 2 2 20 6 2		) 18 1 11 ) 5 1 11		3 4 2 32 3 4 2 31 3 5 2 31 3n 6 2s31	19 7 0 36 19 6 0 36	20 2 0 22	9 41 11 53 9 42 11 53 9 42 11 53 9 s42 11n54	6 41 6 2 6 45 6 2 6 50 6 2 6n53 6n2	0 0 49 2 0 47	15 12 1 13 15 13 1 14 15 15 1 14 15s16 1n14

Julian Day Number = 2450783.5, Delta T = 62.91 sec Ecliptic obliquity =  $23^{\circ}26'13$ , Nutation = -  $0^{\circ}00'06$ , out-of-bounds declination in red Ayanamsha: Fagan/Bradley =  $24^{\circ}42'40$ , Lahiri =  $23^{\circ}49'41$