

Astrodienst Ephemeris Tables for the year 1990

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 1990 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ţ(并	В	n	Ω	Ç	ķ	Day
M 1	6 41 33	10 ප 18'16	26≈33	25°R48	6°R17	9 х 39	5°R13	15 පි 36	5 七 45	12 る 1	17 M 5	16≈52	18≈28	6M24	13°R51	M 1
T 2	6 45 29	11°19'26	10 ¥ 2	25 궁 30	6≈ 9	10°21	5 95 5	15°43	5°49	12° 3	17° 6	16°53	18°25	6°31	139547	T 2
W 3	6 49 26	12°20'36	23°42	25° 0	5°59	11° 3	4°57	15°50	5°53	12° 6	17° 8	16°55	18°21	6°38	13°43	W 3
T 4	6 53 22	13°21'46	7 Ƴ 35	24°19	5°46	11°46	4°49	15°57	5°56	12° 8	17°10	16°R56	18°18	6°45	13°39	T 4
F 5	6 57 19	14°22'55	21°40	23°27	5°31	12°28	4°41	16° 4	6° 0	12°10	17°11	16°56	18°15	6°51	13°34	F 5
S 6	7 1 16	15°24'04	5 8 55	22°25	5°13	13°10	4°33	16°11	6° 3	12°13	17°13	16°54	18°12	6°58	13°30	S 6
S 7	7 5 12	16°25'13	20°20	21°15	4°53	13°53	4°25	16°19	6° 7	12°15	17°14	16°51	18° 9	7° 5	13°26	S 7
M 8	7 9 9	17°26'21	4 Ⅱ 49	19°59	4°30	14°35	4°17	16°26	6°10	12°17	17°16	16°47	18° 5	7°12	13°22	M 8
T 9	7 13 5	18°27'29	19°17	18°40	4° 5	15°18	4°10	16°33	6°14	12°19	17°17	16°43	18° 2	7°18	13°18	T 9
W10	7 17 2	19°28'36	3939	17°19	3°39	16° 0	4° 2	16°40	6°18	12°22	17°18	16°38	17°59	7°25	13°14	W10
T 11	7 20 58	20°29'43	17°49	16° 1 14°46	3°10 2°39	16°43	3°55 3°47	16°47 16°54	6°21	12°24 12°26	17°20	16°35 16°33	17°56	7°32 7°38	13°10 13° 6	T 11 F 12
F 12 S 13	7 24 55 7 28 52	21°30'50 22°31'57	1 Ω 42 15°14	13°37	2° 7	17°25 18°8	3°47	16°34 17° 1	6°25 6°28	12°28	17°21 17°23	16°33	17°53 17°50	7°45	13° 6 13° 2	S 13
					-					_		-				
S 14	7 32 48	23°33'03	28°24	12°36	1°34	18°51	3°33	17° 8	6°32	12°31	17°24	16°33	17°46	7°52	12°58	S 14
M15	7 36 45	24°34'09	11 1 1 1 3	11°43	0°59	19°33	3°25	17°15	6°35	12°33	17°25	16°34	17°43	7°59	12°54	M15
T 16 W17	7 40 41 7 44 38	25°35'15 26°36'20	23°43 5 2 56	11° 0 10°27	0°23 29 る 47	20°16 20°59	3°18 3°12	17°22 17°29	6°39 6°42	12°35 12°37	17°26 17°27	16°36 16°37	17°40 17°37	8° 5 8°12	12°50 12°46	T 16 W17
T 18	7 44 38	20°30'20 27°37'25	17°58	10°27 10° 3	29°10	20°39 21°41	3° 12	17°29 17°37	6°42	12°37 12°39	17°27	16°38	17°34	8°12 8°19	12°46 12°42	T 18
F 19	7 52 31	28°38'30	29°52	9°48	28°33	21°24	2°58	17°44	6°49	12°42	17°30	16°R39	17°31	8°25	12°38	F 19
S 20	7 56 27	29°39'35	11 M .44	9°D42	27°56	23° 7	2°52	17°51	6°52	12°44	17°31	16°38	17°27	8°32	12°34	S 20
S 21	8 0 24	0≈40'39	23°39	9°45	27°20	23°50	2°45	17°58	6°56	12°46	17°32	16°37	17°24	8°39	12°30	S 21
M22	8 4 20	1°41'43	23 39 5 × 740	9°55	26°44	23°30 24°33	2°39	17 38 18° 5	6°59	12°48	17°33	16°35	17°21	8°46	12°26	M22
T 23	8 8 17	2°42'46	17°52	10°12	26° 9	25°16	2°33	18°12	7° 2	12°50	17°34	16°33	17°18	8°52	12°22	T 23
W24	8 12 14	3°43'49	0중17	10°36	25°35	25°59	2°27	18°19	7° 6	12°53	17°35	16°31	17°15	8°59	12°19	W24
T 25	8 16 10	4°44'52	12°58	11° 6	25° 2	26°42	2°21	18°25	7° 9	12°55	17°36	16°29	17°11	9° 6	12°15	T 25
F 26	8 20 7	5°45'53	25°56	11°42	24°30	27°25	2°15	18°32	7°12	12°57	17°37	16°28	17° 8	9°13	12°11	F 26
S 27	8 24 3	6°46'54	9 ≈ 11	12°22	24° 1	28° 8	2°10	18°39	7°16	12°59	17°38	16°27	17° 5	9°19	12° 8	S 27
S 28	8 28 0	7°47'54	22°41	13° 7	23°33	28°51	2° 4	18°46	7°19	13° 1	17°38	16°D27	17° 2	9°26	12° 4	S 28
M29	8 31 56	8°48'53	6) €24	13°56	23° 7	29°34	1°59	18°53	7°22	13° 3	17°39	16°28	16°59	9°33	12° 1	M29
T 30	8 35 53	9°49'50	20°19	14°49	22°43	0 ට 18	1°54	19° 0	7°25	13° 5	17°40	16°28	16°56	9°39	11°57	T 30
W31	8 39 50	10≈50'47	4 Υ 22	15 る 45	22 る 22	1ਰ 1	19549	19 る 7	7 云 28	13중 7	17 M 41	16≈29	16≈52	9 M .46	119554	W31

Day	0	D	3	Į	φ	ď	2	+	ŧ	1)į	j(并		Р	n	v	Ç	ď	;
	decl	decl lat	decl	lat de	cl lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl lat	dec	el lat	decl	decl	decl	decl	lat
M 1 T 2	23 s 3 22 58	11 s50 Or 5 55 2	n53 20 s31 3 20 16				2 23n13 2 23 14	0s 7 0 7			23 s35 23 35	0s16 0 16	22 s 3 Or 22 3 O		5 15n17					7 s 1 8 7 1 8
W 3 T 4	22 52 22 46	0n22 3 6 43 4	7 20 2 2 19 51		34 2 16 22	9 0 3	23 14	0 7 0 7	22 13	0 17	23 35 23 35	0 16	22 3 0	51 2 1	5 15 18 5 15 18	15 46	15 20	18 29	15 28	7 18 7 19
F 5 S 6	22 40		43 19 41 7 19 33	1 45 16		22 0 4	23 15 23 15 23 15	0 7 0 6	22 11	0 17	23 35 23 34	0 16	22 3 0	51 2 1	5 15 18 5 15 19	15 46	15 22	18 34	15 29	7 19 7 19
S 7	22 26	22 50 5	12 19 26	2 21 15	3 18 22	34 0 0	23 16	0 6	22 10	0 17	23 34	0 16	22 2 0	51 2 1	5 15 19	15 47	15 24	18 39	15 29	7 19
M 8 T 9 W10	22 10	27 23 4	57 19 22 24 19 20	2 51 15	31 3 49 22	45 0	23 17	0 6	22 8	0 17	23 34 23 34 23 34	0 16	22 2 0	51 2 1	5 15 20 5 15 20	15 50	15 26	18 43	15 30	7 19 7 19
T 11 F 12	22 2 21 53 21 43	24 45 2	34 19 18 31 19 19 21 19 21			55 0 8	3 23 17 3 23 17 9 23 18	0 6 0 6 0 5	22 7	0 17	23 34 23 34 23 34	0 16 0 16 0 16	22 1 0	51 2 1	5 15 20 5 15 21 5 15 21	15 52	15 28	18 48	15 31	7 19 7 19 7 19
S 13	21 34	16 23 0	7 19 24	3 22 14	59 4 49 23	4 0 10	23 18	0 5	22 5	0 17	23 33	0 16	22 1 0	51 2 1	5 15 22	15 53	15 29	18 53	15 32	7 19
S 14 M15 T 16	21 23 21 13 21 2	5 20 2	s 5 19 28 12 19 33 11 19 39	3 23 14	46 5 18 23	13 0 1	23 19 23 19 2 23 19	0 5 0 5 0 5	22 3	0 17	23 3323 3323 33	0 16 0 16 0 16	22 0 0	51 2 1	5 15 22 5 15 23 5 15 23	15 52	15 31	18 58		7 19 7 18 7 18
W17 T 18	20 50 20 38	6 1 3	59 19 46 37 19 54	3 16 14	36 5 44 23	21 0 13	23 19 3 23 19 3 23 20	0 5 0 5	22 2	0 17	23 33 23 33		22 0 0	51 2 1	5 15 23 4 15 24	15 51	15 33	19 2	15 33 15 34	7 18 7 18 7 18
F 19 S 20	20 26 20 13		2 20 2 14 20 10				23 20 5 23 20	0 4	22 0 21 59		23 32 23 32	0 16 0 16			4 15 24 4 15 25				15 34 15 35	7 18 7 18
S 21 M22	20 0 19 47		13 20 18 58 20 27				23 21 23 21	0 4			23 32 23 32		21 59 0 21 59 0		4 15 25 4 15 26					7 18 7 18
T 23 W24	19 33 19 19		30 20 35 48 20 44	_			23 21 23 21	-	21 56 21 56		23 32 23 32		21 59 0 21 59 0	-	4 15 26 3 15 27			-		7 17 7 17
T 25 F 26		22 47 1	55 20 51 51 20 59	1 57 14	13 7 6 23	44 0 19	23 22 23 22 23 22	0 3	21 55 21 54	0 16	23 31 23 31	0 17	21 58 0	51 2 1	3 15 27 3 15 27	15 54	15 42	19 23	15 38	7 17 7 17
S 27 S 28	18 35 18 19		40 21 6 n34 21 12				23 22 23 22		21 53 21 52		23 3123 31		21 58 0 21 58 0		3 15 28 2 15 28					7 17 7 16
M29 T 30	18 3 17 47	7 29 1	48 21 18 57 21 23	1 26 14	15 7 19 <mark>23</mark>	48 0 2		0 3	21 51 21 50	0 16	23 31 23 31	0 17	21 58 0 21 57 0	51 2 1	2 15 29 2 15 29 2 15 29	15 54	15 45	19 30	15 40	7 16 7 16 7 16
W31	17 s31		n55 21 s26				23n23		21 s49		23 s30		21 s57 Or		2 15n30					7 s16

Julian Day Number = 2447892.5, Delta T = 56.86 sec Ecliptic obliquity = $23^{\circ}26'32$, Nutation = $0^{\circ}00'12$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'02$, Lahiri = $23^{\circ}43'03$

00:00 UT FEBRUARY 1990

Day	Sid.t	0	D	Ϋ́	φ	ð	4	ħ)∤(¥	Р	ß	Ω	ţ	ę,	Day
T 1	8 43 46	11≈51'42	18 Y 30	16 궁 44	22°R 2	1 3 44	1°R44	19 る 13	7 云 32	13る 9	17 M 41	16≈29	16≈49	9 M .53	11°R50	T 1
F 2	8 47 43	12°52'36	2 8 41	17°46	21 궁 46	2°27	19540	19°20	7°35	13°12	17°42	16°29	16°46	10° 0	119547	F 2
S 3	8 51 39	13°53'29	16°53	18°50	21°31	3°11	1°36	19°27	7°38	13°14	17°42	16°R30	16°43	10° 6	11°44	S 3
S 4	8 55 36	14°54'20	1 II 3	19°57	21°19	3°54	1°31	19°33	7°41	13°16	17°43	16°29	16°40	10°13	11°40	S 4
M 5	8 59 32	15°55'10	15°10	21° 6	21° 9	4°38	1°27	19°40	7°44	13°18	17°44	16°29	16°37	10°20	11°37	M 5
T 6	9 3 29	16°55'59	29°10	22°17	21° 2	5°21	1°24	19°47	7°47	13°20	17°44	16°D29	16°33	10°26	11°34	T 6
W 7	9 7 25	17°56'46	1399 1	23°29	20°58	6° 4	1°20	19°53	7°50	13°22	17°45	16°29	16°30	10°33	11°31	W 7
T 8	9 11 22	18°57'31	26°42	24°44	20°D55	6°48	1°17	20° 0	7°53	13°23	17°45	16°30	16°27	10°40	11°28	T 8
F 9	9 15 19	19°58'16	10 Ω 9	26° 0	20°56	7°31	1°13	20° 6	7°56	13°25	17°45	16°R30	16°24	10°47	11°25	F 9
S 10	9 19 15	20°58'58	23°22	27°17	20°58	8°15	1°10	20°13	7°59	13°27	17°46	16°30	16°21	10°53	11°23	S 10
S 11	9 23 12	21°59'40	6Mp20	28°36	21° 3	8°59	1° 8	20°19	8° 1	13°29	17°46	16°29	16°17	11° 0	11°20	S 11
M12	9 27 8	23° 0'20	19° 1	29°56	21°11	9°42	1° 5	20°26	8° 4	13°31	17°46	16°29	16°14	11° 7	11°17	M12
T 13	9 31 5	24° 0'59	1 ≏ 28	1≈17	21°20	10°26	1° 2	20°32	8° 7	13°33	17°47	16°28	16°11	11°14	11°14	T 13
W14	9 35 1	25° 1'37	13°41	2°40	21°32	11° 9	1° 0	20°38	8°10	13°35	17°47	16°27	16° 8	11°20	11°12	W14
T 15	9 38 58	26° 2'13	25°44	4° 4	21°46	11°53	0°58	20°45	8°13	13°37	17°47	16°26	16° 5	11°27	11° 9	T 15
F 16	9 42 54	27° 2'49	7 M 39	5°29	22° 2	12°37	0°56	20°51	8°15	13°38	17°47	16°24	16° 2	11°34	11° 7	F 16
S 17	9 46 51	28° 3'23	19°32	6°55	22°21	13°21	0°55	20°57	8°18	13°40	17°47	16°24	15°58	11°40	11° 5	S 17
S 18	9 50 48	29° 3'56	1 ₹ 26	8°22	22°41	14° 4	0°53	21° 3	8°20	13°42	17°47	16°D24	15°55	11°47	11° 3	S 18
M19	9 54 44	0) 4'27	13°26	9°50	23° 3	14°48	0°52	21° 9	8°23	13°44	17°R47	16°24	15°52	11°54	11° 0	M19
T 20	9 58 41	1° 4'58	25°38	11°20	23°26	15°32	0°51	21°15	8°26	13°45	17°47	16°25	15°49	12° 1	10°58	T 20
W21	10 2 37	2° 5'27	8중 4	12°50	23°52	16°16	0°50	21°21	8°28	13°47	17°47	16°26	15°46	12° 7	10°56	W21
T 22	10 6 34	3° 5'54	20°49	14°21	24°19	17° 0	0°49	21°27	8°31	13°49	17°47	16°28	15°42	12°14	10°54	T 22
F 23	10 10 30	4° 6'21	3≈56	15°53	24°48	17°44	0°49	21°33	8°33	13°50	17°47	16°29	15°39	12°21	10°53	F 23
S 24	10 14 27	5° 6'46	17°25	17°27	25°18	18°28	0°49	21°39	8°35	13°52	17°47	16°R29	15°36	12°28	10°51	S 24
S 25	10 18 23	6° 7'09	1) 16	19° 1	25°50	19°12	0°D48	21°45	8°38	13°53	17°47	16°29	15°33	12°34	10°49	S 25
M26	10 22 20	7° 7'30	15°26	20°36	26°24	19°56	0°49	21°50	8°40	13°55	17°46	16°27	15°30	12°41	10°48	M26
T 27	10 26 17	8° 7'50	29°50	22°12	26°58	20°40	0°49	21°56	8°42	13°56	17°46	16°24	15°27	12°48	10°46	T 27
W28	10 30 13	9 米 8'07	14 Y 23	23≈50	27 る 34	21 る 24	0 9 50	22 궁 1	8 국 44	13 る 58	17 M 46	16≈21	15≈23	12 M 54	109545	W28

Day	0)		ğ	ς)	C	3	2	4	ŧ).)	ţ(卉		Р	n	Ω	Ç	لح	5
	decl	decl lat	dec	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	de	cl lat	decl	decl	decl	decl	lat
T 1 F 2 S 3	16 57	17 13 5	0 21 s30 8 21 32 7 21 33	0 44	14s19 14 21 14 24	7 25	23 s49 23 49 23 49	0 24	23n23 23 24 23 24	0 2	21 s48 21 48 21 47	0 15	23 s30 23 30 23 30	0 17	21 s57 0n5 21 57 0 5 21 57 0 5	1 2	11 15n30 11 15 31 11 15 31	15 54	15 49	19 39	15 42	7 s15 7 15 7 15
S 4 M 5 T 6 W 7	15 46 15 27	27 14 4 3 27 20 3 5 25 43 2 5	7 21 33 8 21 32 3 21 30 5 21 23	0 16 0 0 6 7 0s 3	-	7 22 7 20 7 18	23 49 23 48 23 47 23 46	0 27 0 27 0 28	23 24 23 24 23 24 23 24	0 2 0 2 0 2 0 2	21 44 21 43	0 15 0 15 0 15	23 30 23 30 23 29 23 29	0 17 0 17 0 17	21 56 0 5 21 56 0 5 21 56 0 5 21 56 0 5	1 2 1 2	10 15 32 10 15 32 10 15 33 9 15 33	15 54 15 54 15 54	15 52 15 53 15 54	19 46 19 48 19 51	15 44 15 44 15 45	7 14 7 14 7 13
T 8 F 9 S 10	15 9 14 50 14 30	18 16 0 3 13 8 0 s3	8 21 22 5 21 13 8 21 10	0 20 0 28	14 43 14 46	7 11 7 7	23 45 23 43 23 41	0 30 0 30	23 25 23 25 23 25	0 1	21 41 21 40	0 15 0 15	23 29 23 29 23 29	0 17 0 17	21 56 0 5 21 55 0 5 21 55 0 5	1 2 1 2	9 15 34 9 15 34 8 15 35	15 54 15 54	15 55 15 56	19 55 19 57	15 46 15 47	7 13 7 12
S 11 M12 T 13 W14 T 15 F 16 S 17		1 44 2 5 4s 1 3 4 9 29 4 2 14 32 4 5 18 59 5 1	8 21 20 53 4 20 42 66 20 3 66 20 18 3 20 3	3 0 44 2 0 51 0 58 3 1 5 3 1 11	14 54 14 57 15 1 15 5	6 57 6 52 6 47 6 41 6 35	23 39 23 37 23 35 23 32 23 29 23 26 23 22	0 32 0 33 0 34 0 34 0 35	23 25 23 25 23 25 23 26 23 26 23 26 23 26	0 1 0 1 0 1	21 39 21 38 21 37	0 15 0 15 0 15 0 15 0 15	23 29 23 28 23 28 23 28 23 28 23 28 23 28	0 17 0 17 0 17 0 17 0 17	21 55 0 5 21 55 0 5 21 55 0 5 21 54 0 5 21 54 0 5 21 54 0 5 21 54 0 5	1 2 1 2 1 2 1 2 1 2	8 15 35 8 15 36 7 15 36 7 15 37 6 15 37 6 15 38 5 15 38	15 54 15 54 15 55 15 55 15 55	15 58 15 59 16 0 16 1 16 2	20 2 20 4 20 6 20 8 20 11	15 48 15 48 15 49 15 50 15 50	7 11 7 11 7 11 7 10 7 10
S 18 M19 T 20 W21 T 22 F 23 S 24	11 48 11 27 11 5 10 44 10 22 10 0	25 26 5 27 5 4 4 27 27 4 26 28 3 1 24 5 2 1 20 23 1	6 19 33 2 19 13 5 18 54 7 18 33 7 18 13 9 17 48 5 17 23	1 23 3 1 29 4 1 34 3 1 39 1 44 8 1 48	15 15 15 18 15 20 15 23 15 25	6 23 6 16 6 9 6 2 5 55 5 48	23 18 23 14 23 10 23 6	0 37 0 37 0 38 0 39 0 40 0 41	23 26 23 26 23 26 23 27 23 27 23 27 23 27	0 0 0 0 0n 0 0 0	21 33 21 32 21 32	0 15 0 14 0 14 0 14 0 14 0 14	23 28 23 28 23 27 23 27 23 27 23 27 23 27	0 17 0 17 0 17 0 17 0 17 0 17	21 54 0 5 21 54 0 5 21 53 0 5	1 2 1 2 1 2 1 2 1 2 1 2	5 15 39 5 15 39 4 15 40 4 15 40 3 15 41 2 15 41	15 56 15 55 15 55 15 55 15 54 15 54	16 4 16 5 16 6 16 7 16 8 16 9	20 15 20 17 20 19 20 21 20 24 20 26	15 51 15 52 15 53 15 53 15 54 15 55	7 9 7 8 7 8 7 8 7 7 7 7
S 25 M26 T 27 W28	9 16 8 54 8 31 8s 9	9 46 1 2 3 24 2 3 3n15 3 3 9n46 4n2	3 16 30 6 16 2	1 59		5 26 5 19	22 46 22 40 22 35 22 s29	0 43 0 44	23 27 23 27 23 27 23n27	0 1 0 1	21 27 21 26 21 26 21 s25	0 14 0 14	23 27 23 27 23 26 23 s26	0 17 0 17	21 52 0 5 21 52 0 5 21 52 0 5 21 52 0 5	1 2 1 2	2 15 42 1 15 42 1 15 43 0 15n43	15 55 15 55	16 12 16 12	20 32 20 34	15 56 15 57	7 5 7 5

Julian Day Number = 2447923.5, Delta T = 56.91 sec Ecliptic obliquity = $23^{\circ}26'33$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'06$, Lahiri = $23^{\circ}43'07$

MARCH 1990 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(4	Р	r	Ω	Ç	Š,	Day
T 1	10 34 10	10₩ 8'23	28 Y 58	25≈28	28 궁 12	22る 8	0950	22중 7	8 궁 47	13 る 59	17°R46	16°R18	15≈20	13 M 1	10°R43	T 1
F 2	10 38 6	11° 8'37	13 8 29	27° 7	28°50	22°52	0°51	22°12	8°49	14° 1	17 M .45	16≈15	15°17	13° 8	109542	F 2
S 3	10 42 3	12° 8'49	27°51	28°47	29°30	23°37	0°52	22°18	8°51	14° 2	17°45	16°13	15°14	13°15	10°41	S 3
S 4	10 45 59	13° 8'59	12 I I 1	0 ¥ 29	0≈11	24°21	0°54	22°23	8°53	14° 4	17°44	16°D12	15°11	13°21	10°40	S 4
M 5	10 49 56	14° 9'07	25°57	2°11	0°52	25° 5	0°55	22°29	8°55	14° 5	17°44	16°13	15° 8	13°28	10°39	M 5
T 6	10 53 52	15° 9'13	9939	3°55	1°35	25°49	0°57	22°34	8°57	14° 6	17°43	16°14	15° 4	13°35	10°38	T 6
W 7	10 57 49	16° 9'16	23° 8	5°39	2°19	26°33	0°59	22°39	8°59	14° 8	17°43	16°16	15° 1	13°41	10°37	W 7
T 8	11 1 46	17° 9'17	6Ω22	7°25	3° 4	27°18	1° 1	22°44	9° 1	14° 9	17°42	16°17	14°58	13°48	10°36	T 8
F 9	11 5 42	18° 9'17	19°24	9°11	3°50	28° 2	1° 3	22°49	9° 2	14°10	17°42	16°R17	14°55	13°55	10°36	F 9
S 10	11 9 39	19° 9'14	2 m 15	10°59	4°37	28°46	1° 6	22°54	9° 4	14°11	17°41	16°16	14°52	14° 2	10°35	S 10
S 11	11 13 35	20° 9'09	14°53	12°48	5°24	29°31	1° 8	22°59	9° 6	14°13	17°40	16°13	14°48	14° 8	10°35	S 11
M12	11 17 32	21° 9'02	27°21	14°39	6°13	0≈15	1°11	23° 4	9°8	14°14	17°40	16° 9	14°45	14°15	10°35	M12
T 13	11 21 28	22° 8'53	9 ॒ 39	16°30	7° 2	0°59	1°14	23° 9	9° 9	14°15	17°39	16° 3	14°42	14°22	10°34	T 13
W14	11 25 25	23° 8'42	21°47	18°22	7°52	1°44	1°18	23°13	9°11	14°16	17°38	15°56	14°39	14°29	10°34	W14
T 15	11 29 21	24° 8'30	3 M .47	20°16	8°43	2°28	1°21	23°18	9°12	14°17	17°37	15°49	14°36	14°35	10°D34	T 15
F 16	11 33 18	25° 8'16	15°42	22°11	9°34	3°13	1°25	23°22	9°14	14°18	17°37	15°42	14°33	14°42	10°34	F 16
S 17	11 37 14	26° 8'00	27°34	24° 6	10°26	3°57	1°28	23°27	9°15	14°19	17°36	15°37	14°29	14°49	10°34	S 17
S 18	11 41 11	27° 7'42	9 ∡ 727	26° 3	11°19	4°42	1°32	23°31	9°17	14°20	17°35	15°33	14°26	14°55	10°34	S 18
M19	11 45 8	28° 7'23	21°25	28° 1	12°12	5°26	1°36	23°36	9°18	14°21	17°34	15°31	14°23	15° 2	10°35	M19
T 20	11 49 4	29° 7'02	3 云 33	29°59	13° 6	6°11	1°41	23°40	9°19	14°22	17°33	15°D31	14°20	15° 9	10°35	T 20
W21	11 53 1	0 ℃ 6'39	15°56	1 Y 59	14° 1	6°55	1°45	23°44	9°21	14°23	17°32	15°32	14°17	15°16	10°36	W21
T 22	11 56 57	1° 6'15	28°39	3°59	14°56	7°40	1°50	23°48	9°22	14°24	17°31	15°34	14°14	15°22	10°36	T 22
F 23	12 0 54	2° 5'48	11 ≈ 45	6° 0	15°52	8°25	1°55	23°52	9°23	14°25	17°30	15°R35	14°10	15°29	10°37	F 23
S 24	12 4 50	3° 5'20	25°18	8° 2	16°48	9° 9	2° 0	23°56	9°24	14°25	17°29	15°34	14° 7	15°36	10°38	S 24
S 25	12 8 47	4° 4'50	9) €18	10° 3	17°44	9°54	2° 5	24° 0	9°25	14°26	17°28	15°32	14° 4	15°43	10°38	S 25
M26	12 12 43	5° 4'18	23°44	12° 5	18°41	10°39	2°10	24° 4	9°26	14°27	17°27	15°27	14° 1	15°49	10°39	M26
T 27	12 16 40	6° 3'44	8 Ƴ 29	14° 6	19°39	11°23	2°16	24° 7	9°27	14°28	17°26	15°21	13°58	15°56	10°40	T 27
W28	12 20 37	7° 3'08	23°28	16° 7	20°37	12° 8	2°21	24°11	9°28	14°28	17°25	15°13	13°54	16° 3	10°41	W28
T 29	12 24 33	8° 2'30	8 8 29	18° 6	21°35	12°53	2°27	24°14	9°29	14°29	17°23	15° 5	13°51	16° 9	10°43	T 29
F 30	12 28 30	9° 1'50	23°25	20° 5	22°34	13°37	2°33	2 <u>4</u> °18	9°30	1 <u>4</u> °29	17°22	14°57	13°48	16°16	10°44	F 30
S 31	12 32 26	10 Y 1'08	8 I I 6	22 ° 2	23≈34	14≈22	2 9 39	24 ට 21	9 궁 30	14 궁 30	17 M 21	14≈51	13 ≈ 45	16M23	109945	S 31

Day	0	D	ζ	5	φ	ď		4		ħ	<u>ι</u>);	β(4	(В	n	v	Ç	Ł	Š
	decl	decl lat	decl	lat de	l lat	decl lat	de	cl lat		decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
T 1 F 2	7 s46 7 23		15 s 1 14 28	2s 6 15s3 2 8 15 3			45 23n 46 23			21 s24 21 23		23 s26 23 26		21 s52 21 52	0n51 0 51	2s 0 15n44 1 59 15 44					7s 4
S 3	7 0		13 55				47 23			21 22		23 26		21 51	0 51	1 58 15 45					7 3
S 4 M 5	6 37 6 14		13 20 12 43	2 10 15 3 2 10 15 3			48 23 49 23			21 21 21 21		23 26 23 26		21 51 21 51	0 51 0 51	1 58 15 45 1 57 15 46					7 2 7 1
T 6	5 51			2 10 15 3			50 23			21 21		23 26		21 51	0 51	1 57 15 46		-		-	7 1
W 7 T 8	5 28 5 4		11 27 10 47	2 10 15 2 2 9 15 2			50 23 51 23			21 19 21 18		23 26 23 25		21 51 21 51	0 51 0 51	1 56 15 46 1 56 15 47					7 0 7 0
F 9	-	14 44 0s17					52 23			21 17		23 25		21 50	0 51	1 55 15 47	15 57	16 22	20 55	16 3	6 59
S 10	4 18						53 23			21 17		23 25		21 50	0 51	1 55 15 48					6 59
S 11 M12	3 54 3 31	3 39 2 30 2s 5 3 25		2 3 15 2 0 15		-	54 23 54 23			21 16 21 15		23 25 23 25		21 50 21 50	0 51 0 51	1 54 15 48 1 53 15 49		16 24 16 25		16 4 16 5	6 58 6 58
T 13 W14	3 7 2 43	7 39 4 10 12 51 4 43		1 57 15 1 53 15	6 3 32 1 1 3 24 1		55 23 56 23			21 14 21 14		23 25 23 25	0 17 0 17	21 50 21 50	0 51 0 51	1 53 15 49 1 52 15 49	-	16 26 16 26			6 57 6 57
T 15	2 20			1 49 14 3			57 23			21 13		23 25		21 50	0 51	1 52 15 49				-	6 56
F 16 S 17	1 56 1 32	21 28 5 10 24 32 5 3		1 44 14 4 1 38 14 4			58 23 59 23			21 12 21 12		23 25 23 25		21 50 21 49	0 51 0 51	1 51 15 50 1 50 15 51			21 10 21 12		6 55 6 55
S 18	1 9	20 525	2 59	1 32 14 3			59 23		-	21 11		23 25		21 49	0 51	1 50 15 51					6 54
M19 T 20	0 45 0 21		2 6	1 26 14 2 1 19 14 2		19 53 1 19 43 1	0 23 1 23			21 10 21 10		23 24 23 24		21 49 21 49	0 51 0 51		16 11 16 11				6 54 6 53
W21	0n 3			1 11 14			2 23	29 0	3	21 9	0 13	23 24	0 18	21 49	0 51		16 11				6 53
T 22 F 23		21 54 1 30 17 36 0 21	0n37 1 33	1 3 14 0 54 13 5		19 22 1 19 11 1	3 23 3 23			21 8 21 8		23 24 23 24		21 49 21 49	0 51 0 51	1 48 15 52 1 47 15 53					6 52 6 51
S 24	1 14	12 16 0n52	2 30	0 45 13 4	3 2 12	19 0 1	4 23	29 0	4	21 7	0 13	23 24	0 18	21 49	0 51	1 46 15 53	16 10	16 36	21 26	16 11	6 51
S 25 M26	1 37 2 1	6 10 2 4 0n25 3 10		0 36 13 3 0 25 13 2		18 49 1 18 38 1	5 23 6 23		4	21 6 21 6		23 24 23 24		21 49 21 48	0 51 0 51	1 46 15 53 1 45 15 54					6 50 6 50
T 27	2 24	7 7 4 5	5 20	0 15 13	0 1 51	18 26 1	7 23	29 0	4	21 5	0 12	23 24	0 18	21 48	0 51	1 44 15 54	16 14	16 38	21 32	16 13	6 49
W28 T 29	2 48 3 11	13 31 4 44 19 7 5 4		0 4 12 5 0n 7 12 4		18 14 1 18 3 1	8 23 8 23		4			23 24 23 24		21 48 21 48	0 51 0 51	1 44 15 54 1 43 15 55					6 49 6 48
F 30	3 35	23 30 5 2	8 8	0 19 12 3	3 1 31	17 51 1	9 23	29 0	4	21 4	0 12	23 24	0 18	21 48	0 52	1 43 15 55	16 21	16 41	21 37	16 14	6 47
S 31	3n58	26n17 4n41	9n 3	0n30 12s2	0 1n25	17s38 1s	10 23n	29 On	4	21s 3	0n12	23 s24	0s18	21 s48	0n52	1 s42 15n55	16 s23	16 s42	21 s39	16n15	6 s47

Julian Day Number = 2447951.5, Delta T = 56.96 sec Ecliptic obliquity = 23°26'33, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°36'10, Lahiri = 23°43'11

APRIL 1990 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(卉	Р	N.	U	Ç	, k	Day
S 1	12 36 23	11 ° 0'23	22 II 28	23 Y 57	24≈33	15≈ 7	29546	24 七 25	9 ට 31	14 궁 30	17°R20	14°R48	13≈42	16MJ30	109547	S 1
M 2	12 40 19	11°59'36	69528	25°50	25°33	15°52	2°52	24°28	9°32	14°31	17 M .18	14°D46	13°39	16°36	10°48	M 2
T 3	12 44 16	12°58'46	20° 6	27°40	26°33	16°36	2°59	24°31	9°32	14°31	17°17	14≈46	13°35	16°43	10°50	T 3
W 4	12 48 12	13°57'55	3 Ω 23	29°27	27°34	17°21	3° 5	24°34	9°33	14°32	17°16	14°47	13°32	16°50	10°52	W 4
T 5	12 52 9	14°57'01	16°22	1810	28°35	18° 6	3°12	24°37	9°33	14°32	17°15	14°R47	13°29	16°56	10°54	T 5
F 6	12 56 6	15°56'04	29° 7	2°50	29°36	18°51	3°19	24°40	9°34	14°33	17°13	14°46	13°26	17° 3	10°55	F 6
S 7	13 0 2	16°55'05	11 m /38	4°25	0 ∺ 38	19°35	3°26	24°42	9°34	14°33	17°12	14°43	13°23	17°10	10°57	S 7
S 8	13 3 59	17°54'04	24° 0	5°56	1°40	20°20	3°34	24°45	9°34	14°33	17°10	14°37	13°19	17°17	11° 0	S 8
M 9	13 7 55	18°53'01	6 ≏ 14	7°22	2°42	21° 5	3°41	24°47	9°35	14°34	17° 9	14°29	13°16	17°23	11° 2	M 9
T 10	13 11 52	19°51'56	18°20	8°43	3°45	21°50	3°49	24°50	9°35	14°34	17° 8	14°18	13°13	17°30	11° 4	T 10
W11	13 15 48	20°50'49	0 M 21	9°59	4°47	22°35	3°56	24°52	9°35	14°34	17° 6	14° 5	13°10	17°37	11° 6	W11
T 12	13 19 45	21°49'40	12°17	11° 9	5°50	23°20	4° 4	24°55	9°35	14°34	17° 5	13°53	13° 7	17°44	11° 9	T 12
F 13	13 23 41	22°48'29	24°10	12°14	6°54	24° 4	4°12	24°57	9°35	14°34	17° 3	13°40	13° 4	17°50	11°11	F 13
S 14	13 27 38	23°47'16	6 ₹ 2	13°12	7°57	24°49	4°20	24°59	9°R35	14°34	17° 2	13°30	13° 0	17°57	11°14	S 14
S 15	13 31 35	24°46'02	17°55	14° 5	9° 1	25°34	4°29	25° 1	9°35	14°34	17° 0	13°22	12°57	18° 4	11°16	S 15
M16	13 35 31	25°44'45	29°53	14°52	10° 5	26°19	4°37	25° 3	9°35	14°34	16°59	13°16	12°54	18°10	11°19	M16
T 17	13 39 28	26°43'27	11 る 59	15°33	11° 9	27° 4	4°45	25° 4	9°35	14°R34	16°57	13°14	12°51	18°17	11°22	T 17
W18	13 43 24	27°42'08	24°19	16° 8	12°14	27°49	4°54	25° 6	9°35	14°34	16°56	13°D13	12°48	18°24	11°25	W18
T 19	13 47 21	28°40'46	6≈57	16°37	13°18	28°34	5° 3	25° 8	9°35	14°34	16°54	13°R13	12°45	18°31	11°28	T 19
F 20	13 51 17	29°39'23	19°58	17° 0	14°23	29°19	5°12	25° 9	9°34	14°34	16°52	13°13	12°41	18°37	11°31	F 20
S 21	13 55 14	0 8 37'59	3 ∺ 27	17°16	15°28	0 ∺ 3	5°21	25°11	9°34	14°34	16°51	13°11	12°38	18°44	11°34	S 21
S 22	13 59 10	1°36'32	17°24	17°27	16°34	0°48	5°30	25°12	9°34	14°34	16°49	13° 8	12°35	18°51	11°37	S 22
M23	14 3 7	2°35'04	1 Y 51	17°R31	17°39	1°33	5°39	25°13	9°33	14°34	16°48	13° 2	12°32	18°57	11°41	M23
T 24	14 7 4	3°33'34	16°43	17°30	18°45	2°18	5°48	25°14	9°33	14°34	16°46	12°53	12°29	19° 4	11°44	T 24
W25	14 11 0	4°32'02	1 8 53	17°23	19°50	3° 3	5°58	25°15	9°32	14°33	16°44	12°42	12°25	19°11	11°47	W25
T 26	14 14 57	5°30'29	17°10	17°11	20°56	3°48	6° 7	25°16	9°32	14°33	16°43	12°31	12°22	19°18	11°51	T 26
F 27	14 18 53	6°28'54	2 Ⅱ 24	16°54	22° 2	4°33	6°17	25°17	9°31	14°33	16°41	12°21	12°19	19°24	11°54	F 27
S 28	14 22 50	7°27'17	17°24	16°33	23° 9	5°18	6°27	25°18	9°30	14°32	16°39	12°13	12°16	19°31	11°58	S 28
S 29	14 26 46	8°25'38	295 1	16° 7	24°15	6° 2	6°37	25°19	9°30	14°32	16°38	12° 7	12°13	19°38	12° 2	S 29
M30	14 30 43	9 8 23'57	169512	15 8 38	25 米 22	6 ∺ 47	69546	25 る 19	9 る 29	14 궁 31	16 M .36	12 ≈ 3	12≈10	19 M .45	1295 6	M30

Day	0	D	ğ		ρ	♂	2	4	ŧ	1);	ł(并		Р	រា	v	Ç	, k	
	decl	decl lat	decl la	at decl	lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl la	at	decl lat	decl	decl	decl	decl	lat
S 1	4n21	27n16 4n 3	9n57	0n42 12s 7	1n18 17	26 1s11	23n29	0n 5	21 s 2	0n12	23 s24	0s18	21 s48	0n52	1 s41 15n5	6 16 s24	16 s43	21 s41	16n15	6 s46
M 2	4 45	26 27 3 10	10 49	0 54 11 53	1 12 17	13 1 12	23 29	0 5	21 2	0 12	23 24	0 18	21 48	0 52	1 41 15 5	6 16 24	16 44	21 43	16 16	6 46
T 3	5 8	24 3 2 8	11 40	1 5 11 38	1 6 17	1 1 12	23 29	0 5	21 1	0 12	23 24	0 18	21 48	0 52	1 40 15 5	6 16 24	16 45	21 45	16 16	6 45
W 4	5 31	20 23 1 1	12 29	1 17 11 23	0 59 16	48 1 13	23 29	0 5	21 1	0 12	23 24	0 18	21 48	0 52	1 40 15 5	16 24	16 46	21 47	16 17	6 45
T 5	5 53	15 48 0s 8	13 16	1 28 11 8	0 53 16	35 1 14	23 29	0 5	21 1	0 12	23 24	0 18	21 48	0 52	1 39 15 5	7 16 24	16 47	21 49	16 17	6 44
F 6	6 16	10 36 1 16	14 1	1 39 10 52	0 47 16	22 1 15	23 29	0 5	21 0	0 12	23 24	0 18	21 48	0 52	1 38 15 5	7 16 24	16 48	21 51	16 17	6 43
S 7	6 39	5 4 2 18	14 43	1 50 10 36	0 41 16	9 1 16	23 29	0 5	21 0	0 12	23 24	0 18	21 48	0 52	1 38 15 5	7 16 25	16 48	21 53	16 18	6 43
S 8	7 1	0s34 3 13	15 23	2 0 10 20	0 36 15	55 1 16	23 29	0 5	20 59	0 12	23 24	0 18	21 47	0 52	1 37 15 5	16 27	16 49	21 55	16 18	6 42
M 9	7 24	6 7 3 58	16 1	2 10 10 3	0 30 15	42 1 17	23 29	0 5	20 59	0 12	23 24	0 18	21 47	0 52	1 37 15 5	16 29	16 50	21 57	16 19	6 42
T 10	7 46	11 22 4 32	16 36	2 19 9 46	0 24 15	28 1 18	23 29	0 5	20 58	0 12	23 24	0 18	21 47	0 52	1 36 15 5	16 33	16 51	21 58	16 19	6 41
W11	8 8	16 10 4 53	17 8	2 27 9 28	0 19 15	14 1 19	23 29	0 6	20 58	0 12	23 24	0 18	21 47	0 52	1 36 15 5	16 36	16 52	22 0	16 19	6 41
T 12	8 30	20 18 5 1	17 37	2 34 9 10	0 13 15	0 1 20	23 28	0 6	20 58	0 11	23 24	0 18	21 47	0 52	1 35 15 5	16 40	16 53	22 2	16 20	6 40
F 13	8 52	23 36 4 57	18 3	2 41 8 51	0 8 14	46 1 20	23 28	0 6	20 57	0 11	23 24	0 18	21 47	0 52	1 34 15 5	16 43	16 54	22 4	16 20	6 40
S 14	9 14	25 54 4 39	18 27	2 46 8 33	0 3 14	32 1 21	23 28	0 6	20 57	0 11	23 24	0 18	21 47	0 52	1 34 15 5	16 46	16 55	22 6	16 20	6 39
S 15	9 36	27 2 4 9	18 47	2 51 8 14	0s 2 14	17 1 22	23 28	0 6	20 57	0 11	23 24	0 18	21 47	0 52	1 33 15 5	16 49	16 56	22 8	16 21	6 39
M16	9 57	26 55 3 28	19 5	2 54 7 54	0 7 14	3 1 23	23 28	0 6	20 57	0 11	23 24	0 18	21 47	0 52	1 33 15 5	16 50	16 57	22 10	16 21	6 38
T 17	10 18	25 31 2 37	19 19	2 57 7 34	0 12 13	48 1 24	23 27	0 6	20 56	0 11	23 24	0 18	21 47	0 52	1 32 15 5	16 51	16 57	22 11	16 21	6 37
W18	10 39	22 52 1 38	19 30	2 58 7 14	0 17 13		23 27	0 6	20 56	0 11	23 24	0 18	21 47	0 52	1 32 15 5					6 37
T 19	11 0	19 4 0 33	19 39	2 58 6 54	0 22 13		23 27	0 6	20 56		23 24		21 47	0 52	1 31 15 5					6 36
F 20	11 21	14 16 0n36	19 44	2 57 6 33	0 26 13	3 1 26	23 27	0 6	20 56	0 11	23 24	0 18	21 47	0 52	1 31 16	16 51	17 0	22 17	16 22	6 36
S 21	11 42	8 37 1 45	19 46	2 54 6 12	0 31 12	48 1 27	23 27	0 6	20 55	0 11	23 24	0 18	21 47	0 52	1 30 16	16 52	17 1	22 19	16 22	6 35
S 22	12 2	2 22 2 50	19 46	2 50 5 51	0 35 12	33 1 27	23 26	0 7	20 55	0 11	23 24	0 18	21 47	0 52	1 30 16	16 53	17 2	22 21	16 23	6 35
M23	12 22	4n12 3 47	19 42	2 45 5 29	0 40 12	18 1 28	23 26	0 7	20 55	0 11	23 24	0 18	21 47	0 52	1 29 16	16 54	17 3	22 22	16 23	6 34
T 24	12 42	10 43 4 30	19 36	2 39 5 8	0 44 12	2 1 29	23 26	0 7	20 55	0 11	23 24	0 18	21 47	0 52	1 28 16	16 57	17 4	22 24	16 23	6 34
W25	13 2	16 44 4 55	19 26	2 31 4 45	0 48 11	47 1 30	23 25	0 7	20 55	0 11	23 24	0 18	21 47	0 52	1 28 16	17 0	17 5	22 26	16 23	6 33
T 26	13 22	21 45 4 59	19 14	2 22 4 23	0 52 11	31 1 30	23 25	0 7	20 55	0 11	23 24	0 18	21 47	0 52	1 27 16	17 3	17 6	22 28	16 23	6 33
F 27	13 41	25 15 4 42	18 59	2 11 4	0 56 11	16 1 31	23 25	0 7	20 55	0 11	23 24	0 18	21 47	0 52	1 27 16	17 6	17 6	22 29	16 24	6 32
S 28	14 0	26 56 4 6	18 41	1 59 3 38	0 59 11	0 1 32	23 24	0 7	20 55	0 10	23 25	0 18	21 47	0 52	1 27 16	17 8	17 7	22 31	16 24	6 32
S 29	14 19	26 40 3 14	18 22	1 47 3 15	1 3 10	44 1 33	23 24	0 7	20 54	0 10	23 25	0 19	21 47	0 52	1 26 16	17 10	17 8	22 33	16 24	6 32
~	-		_	1n33 2s52			23n23		20s54		23 s25			0n52	1 s26 16n					

Julian Day Number = 2447982.5, Delta T = 57.02 sec Ecliptic obliquity = $23^{\circ}26'33$, Nutation = $0^{\circ}00'12$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'15$, Lahiri = $23^{\circ}43'15$

MAY 1990 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(并	Р	r	v	Ç	Š,	Day
T 1	14 34 39	10822'13	29955	15°R 5	26) 28	7) €32	6957	25 る 20	9°R28	14°R31	16°R34	12°R 2	12≈ 6	19 M .51	1295 9	T 1
W 2	14 38 36	11°20'28	13 Ω 13	14830	27°35	8°17	7° 7	25°20	9 る 27	14 る 31	16 M 33	12≈ 2	12° 3	19°58	12°13	W 2
T 3	14 42 33	12°18'40	26° 8	13°54	28°42	9° 2	7°17	25°20	9°26	14°30	16°31	12° 2	12° 0	20° 5	12°17	T 3
F 4	14 46 29	13°16'51	8 m 45	13°16	29°49	9°46	7°27	25°20	9°25	14°30	16°29	12° 0	11°57	20°11	12°21	F 4
S 5	14 50 26	14°14'59	21° 7	12°38	0 Υ 56	10°31	7°38	25°R20	9°24	14°29	16°28	11°56	11°54	20°18	12°26	S 5
S 6	14 54 22	15°13'06	3 <u>₽</u> 18	12° 0	2° 4	11°16	7°48	25°20	9°23	14°28	16°26	11°50	11°51	20°25	12°30	S 6
M 7	14 58 19	16°11'10	15°22	11°23	3°11	12° 1	7°59	25°20	9°22	14°28	16°24	11°40	11°47	20°32	12°34	M 7
T 8	15 2 15	17° 9'13	27°20	10°48	4°19	12°45	8°10	25°20	9°21	14°27	16°23	11°28	11°44	20°38	12°38	T 8
W 9	15 6 12	18° 7'15	9 M .15	10°15	5°26	13°30	8°20	25°20	9°20	14°26	16°21	11°15	11°41	20°45	12°43	W 9
T 10	15 10 8	19° 5'14	21° 8	9°44	6°34	14°15	8°31	25°19	9°19	14°26	16°19	11° 1	11°38	20°52	12°47	T 10
F 11	15 14 5	20° 3'12	3 ∡ 0	9°17	7°42	14°59	8°42	25°19	9°17	14°25	16°18	10°47	11°35	20°58	12°52	F 11
S 12	15 18 2	21° 1'09	14°54	8°53	8°50	15°44	8°53	25°18	9°16	14°24	16°16	10°36	11°31	21° 5	12°56	S 12
S 13	15 21 58	21°59'04	26°50	8°33	9°58	16°29	9° 4	25°17	9°15	14°23	16°14	10°26	11°28	21°12	13° 1	S 13
M14	15 25 55	22°56'58	8 궁 51	8°17	11° 7	17°13	9°16	25°16	9°13	14°22	16°13	10°20	11°25	21°19	13° 6	M14
T 15	15 29 51	23°54'50	21° 1	8° 5	12°15	17°58	9°27	25°15	9°12	14°22	16°11	10°16	11°22	21°25	13°10	T 15
W16	15 33 48	24°52'41	3 ≈ 22	7°58	13°23	18°42	9°38	25°14	9°10	14°21	16° 9	10°15	11°19	21°32	13°15	W16
T 17	15 37 44	25°50'31	16° 0	7°D55	14°32	19°27	9°50	25°13	9° 9	14°20	16° 8	10°D15	11°16	21°39	13°20	T 17
F 18	15 41 41	26°48'20	28°58	7°57	15°40	20°11	10° 1	25°12	9° 7	14°19	16° 6	10°R15	11°12	21°46	13°25	F 18
S 19	15 45 37	27°46'08	12 ∺ 20	8° 3	16°49	20°56	10°13	25°11	9° 6	14°18	16° 4	10°14	11° 9	21°52	13°30	S 19
S 20	15 49 34	28°43'54	26°10	8°14	17°58	21°40	10°24	25° 9	9° 4	14°17	16° 3	10°12	11° 6	21°59	13°35	S 20
M21	15 53 31	29°41'39	10 ℃ 27	8°30	19° 7	22°25	10°36	25° 8	9° 2	14°16	16° 1	10° 7	11° 3	22° 6	13°40	M21
T 22	15 57 27	0∏39'24	25°12	8°50	20°16	23° 9	10°48	25° 6	9° 1	14°15	15°59	9°59	11° 0	22°12	13°45	T 22
W23	16 1 24	1°37'07	10 8 16	9°14	21°25	23°53	11° 0	25° 5	8°59	14°14	15°58	9°50	10°57	22°19	13°50	W23
T 24	16 5 20	2°34'49	25°32	9°43	22°34	24°38	11°12	25° 3	8°57	14°13	15°56	9°40	10°53	22°26	13°55	T 24
F 25	16 9 17	3°32'30	10 Ⅱ 49	10°16	23°43	25°22	11°24	25° 1	8°55	14°12	15°55	9°31	10°50	22°33	14° 1	F 25
S 26	16 13 13	4°30'10	25°55	10°52	24°53	26° 6	11°36	24°59	8°53	14°10	15°53	9°24	10°47	22°39	14° 6	S 26
S 27	16 17 10	5°27'48	109642	11°33	26° 2	26°51	11°48	24°57	8°52	14° 9	15°51	9°18	10°44	22°46	14°11	S 27
M28	16 21 6	6°25'25	25° 3	12°17	27°11	27°35	12° 0	24°55	8°50	14° 8	15°50	9°15	10°41	22°53	14°17	M28
T 29	16 25 3	7°23'01	8 Ω 55	13° 5	28°21	28°19	12°12	24°53	8°48	14° 7	15°48	9°D15	10°37	22°59	14°22	T 29
W30	16 29 0	8°20'35	22°19	13°57	29°30	29° 3	12°24	24°51	8°46	14° 6	15°47	9°15	10°34	23° 6	14°28	W30
T 31	16 32 56	9 Ⅲ 18'08	5 m 17	14852	0840	29 米 47	12937	24 궁 48	8 궁 44	14중 4	15 M 45	9°R16	10≈31	23 M 13	14933	T 31

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T 1 W 2	15 14	16 45 0s 6			9 56 1 35	23n23 On 7 23 22 O 7	20 54 0 10	23 25 0 19	21 s47 0n52 21 47 0 52		17 11 1	7 11 22 38	16 24 6 30
T 3 F 4 S 5	15 32 15 50 16 7	11 39 1 14 6 11 2 16 0 36 3 11		1 18 1 20	9 23 1 36	23 22 0 7 23 22 0 8 23 21 0 8	20 54 0 10	23 25 0 19	21 47 0 52 21 47 0 52 21 47 0 52	1 24 16 0	17 12 1	7 12 22 40 7 13 22 42 7 14 22 43	16 24 6 29
S 6 M 7 T 8 W 9 T 10	16 24 16 41 16 57 17 14 17 30	10 11 4 29 15 2 4 51 19 18 4 59	14 26 0 40 13 59 0 57	0 5 1 29 0n19 1 31 0 44 1 34	8 34 1 38 8 18 1 39 8 1 1 40	23 20 0 8 23 19 0 8 23 19 0 8	20 55 0 10 20 55 0 10 20 55 0 10	23 25 0 19 23 25 0 19 23 26 0 19	21 47 0 52 21 48 0 52 21 48 0 52 21 48 0 52 21 48 0 52	1 23 16 0 1 22 16 0 1 22 16 0	17 17 1 17 21 1 17 24 1	7 14 22 45 7 15 22 47 7 16 22 49 7 17 22 50	16 25 6 28 16 25 6 28 16 25 6 27
F 11 S 12	17 45	25 18 4 38	13 34 1 14 13 10 1 30 12 48 1 45	1 33 1 39	7 28 1 41	23 18 0 8 23 18 0 8 23 17 0 8	20 55 0 10	23 26 0 19	21 48 0 52 21 48 0 52 21 48 0 52	1 21 16 0	17 32 1	7 18 22 52 7 19 22 54 7 20 22 55	16 25 6 26
S 13 M14 T 15 W16 T 17 F 18 S 19	19 13	25 46 2 38 23 27 1 40 20 0 0 36 15 34 0n30 10 19 1 38	11 55 2 25 11 41 2 37	2 47 1 45 3 12 1 47 3 37 1 49 4 2 1 50 4 27 1 52	6 38 1 43 6 21 1 43 6 4 1 44 5 47 1 45 5 30 1 45	23 14 0 9 23 13 0 9	20 56 0 9 20 56 0 9 20 56 0 9 20 56 0 9 20 57 0 9 20 57 0 9	23 26 0 19 23 27 0 19	21 48 0 52 21 48 0 52	1 20 16 0 1 20 16 0 1 19 15 59 1 19 15 59	17 39 1 17 40 1 17 41 1 17 41 1 17 41 1	7 23 23 2 7 24 23 4 7 25 23 5	16 25 6 25 16 25 6 25 16 24 6 24
S 20 M21 T 22 W23 T 24 F 25 S 26	20 41 20 52	8 10 4 23 14 17 4 52 19 41 5 2 23 51 4 51	11 12 3 13 11 11 3 20 11 12 3 25 11 16 3 30 11 21 3 33 11 29 3 36 11 39 3 37	5 42 1 56 6 6 1 57 6 31 1 58 6 56 1 59 7 21 2 0	4 39 1 47 4 22 1 48 4 5 1 48 3 48 1 49 3 31 1 49	23 11 0 9 23 10 0 9 23 9 0 9 23 8 0 9 23 7 0 9 23 7 0 9 23 6 0 9	20 58 0 9 20 58 0 9 20 59 0 9 20 59 0 9 20 59 0 9	23 27 0 19 23 28 0 19	21 48 0 52 21 49 0 52	1 18 15 59 1 18 15 59 1 18 15 58 1 17 15 58 1 17 15 58 1 17 15 58 1 17 15 58	17 43 1 17 45 1 17 47 1 17 50 1 17 52 1	7 28 23 10 7 28 23 12 7 29 23 13 7 30 23 15 7 31 23 17	16 24 6 23 16 24 6 22 16 23 6 22 16 23 6 22 16 23 6 21
T 29 W30	21 13 21 23 21 33 21 42 21n51	22 21 1 15 18 4 0 2 12 59 1s 9	11 50 3 38 12 4 3 38 12 19 3 37 12 35 3 36 12n54 3s33	8 34 2 2 8 58 2 3 9 23 2 3	2 6 1 52	23 4 0 10 23 3 0 10 23 2 0 10	21 1 0 8 21 1 0 8 21 2 0 8	23 28 0 19 23 28 0 19 23 28 0 19	21 49 0 52 21 49 0 52 21 49 0 52 21 50 0 53 21 s50 0n53	1 17 15 57 1 16 15 57 1 16 15 57 1 16 15 57 1 s16 15n56	17 56 1 17 57 1 17 57 1	7 34 23 21 7 34 23 23 7 35 23 24	16 22 6 20 16 22 6 20 16 22 6 20

 $\label{eq:Julian Day Number = 2448012.5, Delta T = 57.08 sec} \\ Ecliptic obliquity = 23°26'32, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°36'19, Lahiri = 23°43'19} \\$

JUNE 1990 00:00 UT

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Day	Sid.t	0	D	ğ	Ş	♂	4	ħ)∤(并	В	S.	Ω	Ç	ķ	Day
F 1	16 36 53	10耳15'39	17 m 55	15850	1850	0 Υ31	129549	24°R46	8°R42	14°R 3	15°R44	9°R15	10≈28	23 M 20	14939	F 1
S 2	16 40 49	11°13'09	15 0	16°52	2°59	1°15	13° 1	24 궁 43	8 국 40	14る 2	15 M .42	9 ≈ 13	10°25	23°26	14°44	S 2
S 3	16 44 46	12°10'37	12°22	17°57	4° 9	1°59	13°14	24°41	8°38	14° 1	15°41	9° 9	10°22	23°33	14°50	S 3
M 4	16 48 42	13° 8'05	24°22	19° 5	5°19	2°42	13°26	24°38	8°36	13°59	15°39	9° 3	10°18	23°40	14°56	M 4
T 5	16 52 39	14° 5'31	6 M .16	20°16	6°29	3°26	13°39	24°35	8°33	13°58	15°38	8°55	10°15	23°47	15° 1	T 5
W 6	16 56 35	15° 2'56	18° 8	21°31	7°39	4°10	13°52	24°32	8°31	13°57	15°37	8°45	10°12	23°53	15° 7	W 6
T 7	17 0 32	16° 0'21	0 ∡ 0	22°48	8°49	4°54	14° 4	24°29	8°29	13°55	15°35	8°35	10° 9	24° 0	15°13	T 7
F 8	17 4 29	16°57'44	11°55	24° 8	9°59	5°37	14°17	24°26	8°27	13°54	15°34	8°26	10° 6	24° 7	15°19	F 8
S 9	17 8 25	17°55'06	23°53	25°31	11° 9	6°21	14°30	24°23	8°25	13°52	15°32	8°17	10° 3	24°13	15°25	S 9
S 10	17 12 22	18°52'28	5 궁 57	26°57	12°19	7° 4	14°42	24°20	8°23	13°51	15°31	8°11	9°59	24°20	15°31	S 10
M11	17 16 18	19°49'49	18° 7	28°26	13°30	7°48	14°55	24°17	8°20	13°50	15°30	8° 7	9°56	24°27	15°37	M11
T 12	17 20 15	20°47'09	0≈26	29°58	14°40	8°31	15° 8	24°14	8°18	13°48	15°28	8° 5	9°53	24°34	15°43	T 12
W13	17 24 11	21°44'29	12°57	1 Ⅱ 33	15°50	9°14	15°21	24°11	8°16	13°47	15°27	8°D 5	9°50	24°40	15°49	W13
T 14	17 28 8	22°41'48	25°42	3°10	17° 1	9°58	15°34	24° 7	8°13	13°45	15°26	8° 6	9°47	24°47	15°55	T 14
F 15	17 32 4	23°39'07	8) 43	4°50	18°11	10°41	15°47	24° 4	8°11	13°44	15°25	8° 7	9°43	24°54	16° 1	F 15
S 16	17 36 1	24°36'26	22° 5	6°33	19°22	11°24	16° 0	24° 0	8° 9	13°42	15°23	8°R 8	9°40	25° 0	16° 7	S 16
S 17	17 39 58	25°33'44	5 Ƴ 49	8°19	20°33	12° 7	16°13	23°57	8° 6	13°41	15°22	8° 7	9°37	25° 7	16°13	S 17
M18	17 43 54	26°31'01	19°57	10° 7	21°43	12°50	16°26	23°53	8° 4	13°39	15°21	8° 5	9°34	25°14	16°19	M18
T 19	17 47 51	27°28'19	4826	11°58	22°54	13°33	16°39	23°49	8° 2	13°38	15°20	8° 1	9°31	25°21	16°25	T 19
W20	17 51 47	28°25'36	19°14	13°52	24° 5	14°16	16°52	23°45	7°59	13°36	15°19	7°56	9°28	25°27	16°31	W20
T 21	17 55 44	29°22'54	4 Ⅱ 14	15°48	25°16	14°59	17° 5	23°42	7°57	13°35	15°18	7°51	9°24	25°34	16°37	T 21
F 22	17 59 40	0920'11	19°17	17°46	26°26	15°41	17°19	23°38	7°54	13°33	15°17	7°45	9°21	25°41	16°44	F 22
S 23	18 3 37	1°17'27	49515	19°47	27°37	16°24	17°32	23°34	7°52	13°31	15°16	7°41	9°18	25°47	16°50	S 23
S 24	18 7 34	2°14'43	18°57	21°50	28°48	17° 6	17°45	23°30	7°50	13°30	15°15	7°38	9°15	25°54	16°56	S 24
M25	18 11 30	3°11'59	3 Ω 18	23°54	29°59	17°49	17°58	23°26	7°47	13°28	15°14	7°D37	9°12	26° 1	17° 2	M25
T 26	18 15 27	4° 9'14	17°14	26° 1	1 I I10	18°31	18°12	23°22	7°45	13°27	15°13	7°37	9° 9	26° 8	17° 9	T 26
W27	18 19 23	5° 6'29	0 m 43	28° 9	2°21	19°13	18°25	23°18	7°42	13°25	15°12	7°38	9° 5	26°14	17°15	W27
T 28	18 23 20	6° 3'43	13°47	09୍ତ17	3°33	19°56	18°38	23°14	7°40	13°24	15°11	7°40	9° 2	26°21	17°21	T 28
F 29	18 27 16	7° 0'56	26°28	2°27	4°44	20°38	18°51	23°10	7°38	13°22	15°10	7°41	8°59	26°28	17°28	F 29
S 30	18 31 13	7958'09	8 ≏ 51	4938	5 Ⅱ 55	21 \gamma 20	1995 5	23 る 5	7 云 35	13 る 20	15 M 9	7°R42	8≈56	26M34	17934	S 30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	de	ecl	decl	decl	decl	lat
F 1	21n59	1n51		13n13		10n10	-	1 s31		22n59		21 s 3		23 s29		21 s50		1 s 16 15						6s19
S 2	22 8	3 s44	3 58	13 35	3 26	10 34	2 4	1 14	1 54	22 58	0 10	21 3	0 8	23 29	0 19	21 50	0 53	1 16 15	56 17	5/ 1	/ 38	23 29	16 21	6 19
S 3	22 15	-		13 57			2 4	0 57		22 57	0 10			23 29		21 50	0 53	1 15 15						6 19
M 4	_			14 20	3 17		2 4	0 40			0 10			23 29		21 50	0 53	1 15 15				23 32	-	6 18
T 5			-	-	3 11		2 4	0 24		22 55	0 10	-		23 29		21 50	0 53	1 15 15				23 34		6 18
W 6	22 36 22 42	-		15 10 15 36	3 5 2 58		2 3 2 3	0 7		22 54	0 10			23 29 23 29		21 50	0 53 0 53	1 15 15 1 15 15				23 3523 37		6 18 6 18
F 8	22 42		4 44				2 3 2 3	0n10 0 27		22 52 22 51	0 10 0 11			23 29 23 30		21 51 21 51	0 53	1 15 15	-					6 17
S 9	22 54		-	16 31		13 14	2 2	0 44		22 50	0 11			23 30		21 51	0 53	1 15 15						6 17
S 10	22 59			16 59	2 34		2 2	1 1		22 48	0 11			23 30		21 51	0 53	1 15 15						
M11 T 12		23 57 20 44		17 28 17 56			2 1 2 0	1 18		22 47 22 46	0 11			23 30 23 30		21 51	0 53 0 53	1 15 15 1 15 15					-	6 17
		16 31	-	17 36			2 0	1 34 1 51		22 46	0 11	21 9 21 10		23 30		21 51 21 51	0 53	1 15 15						6 16
T 14	-	11 29			1 56		1 58	2 8		22 43		21 10		23 31		21 52	0 53	1 15 15	-					6 16
F 15	23 17	5 51	-	19 23	1 45		1 57	2 24		22 42		21 11		23 31		21 52	0 53	1 15 15						6 16
S 16	23 20	0n10		19 51		15 42	1 56	2 41		22 40		21 12		23 31		21 52	0 53	1 15 15						6 16
S 17	23 22	6 19	4 22	20 19	1 23	16 2	1 55	2 57	2 0	22 39	0 11	21 12	0 7	23 31	0.10	21 52	0 53	1 15 15	51 10	14 1	7 51	22 51	16 14	6 16
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T 19	-	-		21 13	1 1		1 53	3 30		22 36		21 14		23 31		21 52	0 53	1 15 15						6 15
W20	23 26			21 39	0 49	-	1 51	3 46	2 1	22 34		21 15		23 32		21 53	0 53	1 16 15		-				6 15
T 21	23 26	25 32	4 38	22 3	0 38	17 18	1 50	4 3	2 1	22 32	0 12	21 15	0 7	23 32	0 19	21 53	0 53	1 16 15	49 18	19 1	7 54	23 57	16 12	6 15
F 22	23 26	26 52	3 53	22 26	0 26	17 36	1 48	4 19	2 1	22 31	0 12	21 16	0 6	23 32	0 20	21 53	0 53	1 16 15	49 18	20 1	7 55	23 58	16 11	6 15
S 23	23 26	26 14	2 52	22 48	0 15	17 54	1 47	4 35	2 1	22 29	0 12	21 17	0 6	23 32	0 20	21 53	0 53	1 16 15	48 18	21 17	7 56	24 0	16 11	6 15
S 24	23 25	23 45	1 40	23 8	0 4	18 11	1 45	4 51	2 2	22 28	0 12	21 18	0 6	23 32	0 20	21 53	0 53	1 16 15	48 18	22 1	7 57	24 1	16 10	6 15
M25		-	-	23 25	0n 7	-	1 43	5 7	2 2			21 18		23 32		21 53	0 53	1 16 15						6 15
T 26	23 23	14 50	0 s52	23 41	0 18	18 44	1 42	5 23	2 2	22 24	0 12	21 19	0 6	23 32	0 20	21 53	0 53	1 16 15	47 18	22 1	7 58	24 4	16 9	6 15
W27	23 21	9 18	2 3	23 54	0 28	19 0	1 40	5 38	2 2	22 23	0 12	21 20	0 6	23 33	0 20	21 54	0 53	1 17 15	46 18	22 1	7 59	24 5	16 8	6 15
T 28	23 18	3 32	3 5	24 5	0 38	19 16	1 38	5 54	2 3	22 21	0 12	21 21	0 6	23 33	0 20	21 54	0 53	1 17 15	46 18	21 18	8 0	24 7	16 7	6 15
/	23 15	2s12		24 13	0 48	19 31	1 36	6 10		22 19		21 21		23 33		21 54	0 53	1 17 15	-		-	-	16 7	6 14
S 30	23n12	7 s43	4 s 3 4	24n19	0n57	19n45	1 s34	6n25	2s 3	22n17	0n12	21 s22	0n 6	23 s33	0 s 2 0	21 s54	0n53	1 s17 15	n45 18 s	21 18	8 s 2	24s 9	16n 6	6s14

Julian Day Number = 2448043.5, Delta T = 57.14 sec Ecliptic obliquity = 23°26'32, Nutation = 0°00'12, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°36'23, Lahiri = 23°43'23

JULY 1990 00:00 UT

Б	0:14					_						_		-		Б
Day	Sid.t	0	D	φ	φ	♂	4	ħ)∤(并	Р	r	Ω	Ç	o k	Day
S 1	18 35 9	8955'22	21 ♀ 0	69549	7 I I 6	22 Y 1	199518	23°R 1	7°R33	13°R19	15°R 8	7°R41	8 ≈ 53	26 M 41	179540	S 1
M 2	18 39 6	9°52'34	2 M 59	8°59	8°18	22°43	19°32	22 궁 57	7 云 30	13 る 17	15 M 8	7≈39	8°49	26°48	17°47	M 2
T 3	18 43 3	10°49'46	14°52	11°10	9°29	23°25	19°45	22°53	7°28	13°15	15° 7	7°36	8°46	26°55	17°53	T 3
W 4	18 46 59	11°46'58	26°44	13°20	10°40	24° 6	19°58	22°48	7°25	13°14	15° 6	7°32	8°43	27° 1	18° 0	W 4
T 5	18 50 56	12°44'09	8 ₹ 38	15°30	11°52	24°48	20°12	22°44	7°23	13°12	15° 5	7°28	8°40	27° 8	18° 6	T 5
F 6	18 54 52	13°41'21	20°37	17°38	13° 3	25°29	20°25	22°40	7°21	13°11	15° 5	7°24	8°37	27°15	18°12	F 6
S 7	18 58 49	14°38'32	2 る 42	19°46	14°15	26°11	20°39	22°35	7°18	13° 9	15° 4	7°21	8°34	27°22	18°19	S 7
S 8	19 2 45	15°35'43	14°56	21°52	15°26	26°52	20°52	22°31	7°16	13° 7	15° 4	7°18	8°30	27°28	18°25	S 8
M 9	19 6 42	16°32'55	27°20	23°56	16°38	27°33	21° 5	22°27	7°13	13° 6	15° 3	7°17	8°27	27°35	18°32	M 9
T 10	19 10 38	17°30'06	9 ≈ 55	26° 0	17°50	28°14	21°19	22°22	7°11	13° 4	15° 2	7°D17	8°24	27°42	18°38	T 10
W11	19 14 35	18°27'18	22°43	28° 1	19° 1	28°54	21°32	22°18	7° 9	13° 2	15° 2	7°17	8°21	27°48	18°45	W11
T 12	19 18 32	19°24'30	5) 44	0 Ω 1	20°13	29°35	21°46	22°13	7° 6	13° 1	15° 1	7°18	8°18	27°55	18°51	T 12
F 13	19 22 28	20°21'43	18°59	1°59	21°25	0816	21°59	22° 9	7° 4	12°59	15° 1	7°20	8°15	28° 2	18°58	F 13
S 14	19 26 25	21°18'56	2 Υ 30	3°55	22°37	0°56	22°13	22° 4	7° 1	12°58	15° 1	7°21	8°11	28° 9	19° 4	S 14
S 15	19 30 21	22°16'09	16°16	5°50	23°49	1°36	22°26	22° 0	6°59	12°56	15° 0	7°R21	8° 8	28°15	19°10	S 15
M16	19 34 18	23°13'23	0819	7°42	25° 1	2°17	22°40	21°56	6°57	12°54	15° 0	7°21	8° 5	28°22	19°17	M16
T 17	19 38 14	24°10'38	14°35	9°33	26°13	2°57	22°53	21°51	6°55	12°53	14°59	7°21	8° 2	28°29	19°23	T 17
W18	19 42 11	25° 7'54	29° 4	11°22	27°25	3°37	23° 7	21°47	6°52	12°51	14°59	7°20	7°59	28°35	19°30	W18
T 19	19 46 7	26° 5'10	13 Ⅱ 41	13° 9	28°37	4°16	23°20	21°42	6°50	12°50	14°59	7°18	7°55	28°42	19°36	T 19
F 20	19 50 4	27° 2'27	28°20	14°55	29°49	4°56	23°34	21°38	6°48	12°48	14°59	7°17	7°52	28°49	19°43	F 20
S 21	19 54 1	27°59'45	12955	16°38	199 1	5°35	23°47	21°33	6°46	12°47	14°59	7°16	7°49	28°56	19°49	S 21
S 22	19 57 57	28°57'03	27°20	18°20	2°13	6°15	24° 0	21°29	6°43	12°45	14°58	7°16	7°46	29° 2	19°56	S 22
M23	20 1 54	29°54'22	$11\Omega_{29}$	19°59	3°26	6°54	24°14	21°25	6°41	12°44	14°58	7°D16	7°43	29° 9	20° 2	M23
T 24	20 5 50	0 Ω 51'41	25°19	21°37	4°38	7°33	24°27	21°20	6°39	12°42	14°58	7°16	7°40	29°16	20° 8	T 24
W25	20 9 47	1°49'01	8Mp46	23°13	5°50	8°12	24°41	21°16	6°37	12°40	14°58	7°16	7°36	29°22	20°15	W25
T 26	20 13 43	2°46'21	21°51	24°48	7° 3	8°51	24°54	21°12	6°35	12°39	14°D58	7°17	7°33	29°29	20°21	T 26
F 27	20 17 40	3°43'41	4 ≏ 34	26°20	8°15	9°29	25° 7	21° 7	6°33	12°37	14°58	7°17	7°30	29°36	20°28	F 27
S 28	20 21 36	4°41'02	17° 0	27°51	9°28	10° 7	25°21	21° 3	6°31	12°36	14°58	7°18	7°27	29°43	20°34	S 28
S 29	20 25 33	5°38'24	29°10	29°19	10°40	10°46	25°34	20°59	6°29	12°35	14°58	7°18	7°24	29°49	20°40	S 29
M30	20 29 30	6°35'45	11 M 10	0 m 46	11°53	11°24	25°48	20°55	6°27	12°33	14°58	7°R18	7°21	29°56	20°47	M30
T 31	20 33 26	$7\Omega 33'08$	23 M 4	2 Mp 11	1395 5	128 1	2699 1	20 ප 51	6 ප 25	12 る 32	14 M 59	7°D18	7≈17	0 ≯ 3	20953	T 31

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S 1 M 2		17 23 5 12	0 24n21 2 24 21	1 13 20 13	1 s32 6n41 1 30 6 56	2 3	22n15 22 14	0 13	21 s23 21 24	0 6	23 s33 23 33	0 20	21 s54 0n53 21 54 0 53	1 18 15 44	18 22	18 3	24 12	16 4 6 1	
T 3 W 4 T 5	22 55	24 13 4 50	0 24 18 6 24 12 8 24 4	1 26 20 38	1 28 7 11 1 25 7 26 1 23 7 41	2 3	22 12 22 10 22 8	0 13	21 25 21 25 21 26	0 5	23 33 23 34 23 34	0 20	21 55 0 53 21 55 0 52 21 55 0 52	1 18 15 43	18 22 18 23 18 24	18 5	24 1324 1524 16	16 3 6 1	4
F 6 S 7	22 44	26 55 3 49	9 23 53 9 23 39	1 37 21 2	1 21 7 56 1 19 8 11	2 4		0 13	21 27 21 28	0 5	23 34 23 34	0 20	21 55 0 52 21 55 0 52	1 19 15 42	18 25	18 7	24 17 24 19	16 1 6 1	4
S 8 M 9	22 25	21 35 0 5	0 23 23 5 23 5	1 47 21 33	1 16 8 26 1 14 8 40	2 4	22 0	0 13	21 29 21 29	0 5	23 34 23 34	0 20	21 55 0 52 21 56 0 52	1 20 15 40	18 27	18 9	24 20 24 21	15 59 6 1	4
T 10 W11 T 12	-	12 37 1 24	5 22 44 4 22 21 1 21 57	1 50 21 50	1 12 8 55 1 9 9 9 1 7 9 24	2 4	21 58 21 56 21 54	0 13	21 30 21 31 21 32		23 34 23 35 23 35	0 20	21 56 0 52 21 56 0 52 21 56 0 52	1 21 15 39		18 11	24 24	15 57 6 1	4
S 14	21 54 21 45	4n58 4 19		1 49 22 13	1 4 9 38 1 1 9 52	2 4	21 52 21 50	0 14	21 33 21 33		23 35 23 35	0 20	21 56 0 52 21 57 0 52	1 22 15 38		18 13	24 28	15 54 6 1	
S 15 M16 T 17		16 28 5 14	5 20 34 4 20 3 3 19 31	1 46 22 25	0 59 10 6 0 56 10 20 0 54 10 33		21 46	0 14	21 34 21 35 21 36	0 5 0 4 0 4	23 35	0 20	21 57 0 52 21 57 0 52 21 57 0 52	1 23 15 37	18 26	18 15	24 30	15 53 6 1	4
T 19	20 56		5 18 24	1 36 22 38	0 51 10 47 0 48 11 0	2 4 2 4	21 42 21 39	0 14 0 14	21 37 21 37		23 35 23 36	0 20 0 20	21 57 0 52 21 57 0 52	1 24 15 35 1 24 15 35	18 26 18 27	18 17 18 17	24 33 24 34	15 51 6 1 15 50 6 1	5
	20 45 20 34	24 59 2 1	9 17 49 17 14	1 27 22 43	0 46 11 14 0 43 11 27	2 3	21 37 21 35	0 14	21 38 21 39	0 4	23 36 23 36	0 20	21 58 0 52 21 58 0 52	1 25 15 34	18 27	18 19	24 36	15 48 6 1	5
S 22 M23 T 24	20 10	16 58 0s23		1 15 22 46	0 40 11 40 0 38 11 53 0 35 12 5	2 3	21 33 21 30 21 28	0 14	21 40 21 41 21 41	0 4 0 4 0 4		0 20	21 58 0 52 21 58 0 52 21 58 0 52	1 26 15 33		18 21	24 39	15 46 6 1	5
W25 T 26	19 45 19 33	5 43 2 46 0s11 3 43	6 14 46 3 14 8	1 2 22 47 0 55 22 46	0 32 12 18 0 29 12 31	2 3 2 3	21 26 21 24	0 15 0 15	21 42 21 43		23 36 23 36	0 20 0 20	21 58 0 52 21 58 0 52	1 27 15 31 1 28 15 31	18 27 18 27	18 22 18 23	24 41 24 42	15 44 6 1 15 43 6 1	5
F 27 S 28		11 15 4 5	7 13 30 7 12 51	0 40 22 43	0 27 12 43 0 24 12 55	2 2	21 21 21 19	0 15	21 44 21 44	0 3	23 37 23 37	0 20	21 59 0 52 21 59 0 52	1 29 15 30	18 27	18 25	24 44	15 40 6 1	6
S 29 M30 T 31		20 11 5 10	4 12 13 6 11 34 5 10n56	0 24 22 36	0 21 13 7 0 18 13 19 0s16 13n31	2 2	21 17 21 14 21n12	0 15	21 45 21 46 21 s47	0 3	23 37 23 37 23 s37	0 20	21 59 0 52 21 59 0 52 21 s59 0n52	1 30 15 29	18 27	18 26	24 47	15 38 6 1	6

 $\label{eq:Julian Day Number = 2448073.5} \ Delta\ T = 57.20\ sec$ Ecliptic obliquity = 23°26'31, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°36'27, Lahiri = 23°43'28

AUGUST 1990 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	Р	r	Ω	Ç	ę,	Day
W 1	20 37 23	8 N 30'31	4 ₹ 157	3 m 34	149518	12839	269514	20°R46	6°R23	12°R30	14 M 59	7≈18	7≈14	0 才 9	20959	W 1
T 2	20 41 19	9°27'55	16°53	4°55	15°30	13°17	26°27	20 る 42	6 ප 21	12る29	14°59	7°18	7°11	0°16	21° 5	T 2
F 3	20 45 16	10°25'19	28°55	6°14	16°43	13°54	26°41	20°38	6°19	12°27	14°59	7°18	7° 8	0°23	21°12	F 3
S 4	20 49 12	11°22'44	11중 7	7°31	17°56	14°31	26°54	20°34	6°17	12°26	14°59	7°19	7° 5	0°30	21°18	S 4
S 5	20 53 9	12°20'10	23°32	8°46	19° 9	15° 8	27° 7	20°30	6°15	12°25	15° 0	7°19	7° 1	0°36	21°24	S 5
M 6	20 57 5	13°17'37	6≈12	9°59	20°22	15°45	27°20	20°26	6°13	12°23	15° 0	7°R19	6°58	0°43	21°30	M 6
T 7	21 1 2	14°15'05	19° 6	11° 9	21°34	16°21	27°33	20°22	6°12	12°22	15° 1	7°19	6°55	0°50	21°37	T 7
W 8	21 4 59	15°12'33	2) 16	12°17	22°47	16°58	27°47	20°19	6°10	12°21	15° 1	7°18	6°52	0°56	21°43	W 8
T 9	21 8 55	16°10'03	15°40	13°23	24° 0	17°34	28° 0	20°15	6° 8	12°19	15° 1	7°18	6°49	1° 3	21°49	T 9
F 10	21 12 52	17° 7'34	29°18	14°26	25°13	18°10	28°13	20°11	6° 7	12°18	15° 2	7°16	6°46	1°10	21°55	F 10
S 11	21 16 48	18° 5'06	13 Y 8	15°27	26°26	18°45	28°26	20° 7	6° 5	12°17	15° 2	7°15	6°42	1°16	22° 1	S 11
S 12	21 20 45	19° 2'40	27° 7	16°25	27°40	19°21	28°39	20° 4	6° 3	12°16	15° 3	7°14	6°39	1°23	22° 7	S 12
M13	21 24 41	20° 0'15	11 8 14	17°20	28°53	19°56	28°52	20° 0	6° 2	12°15	15° 4	7°13	6°36	1°30	22°13	M13
T 14	21 28 38	20°57'51	25°26	18°12	0 Ω 6	20°31	29° 5	19°57	6° 0	12°13	15° 4	7°D13	6°33	1°37	22°19	T 14
W15	21 32 34	21°55'30	9 Ⅱ 41	19° 1	1°19	21° 6	29°18	19°53	5°59	12°12	15° 5	7°14	6°30	1°43	22°25	W15
T 16	21 36 31	22°53'09	23°57	19°46	2°32	21°40	29°30	19°50	5°58	12°11	15° 6	7°15	6°27	1°50	22°31	T 16
F 17	21 40 28	23°50'51	89510	20°28	3°46	22°15	29°43	19°47	5°56	12°10	15° 6	7°16	6°23	1°57	22°37	F 17
S 18	21 44 24	24°48'34	22°18	21° 7	4°59	22°49	29°56	19°43	5°55	12° 9	15° 7	7°17	6°20	2° 3	22°43	S 18
S 19	21 48 21	25°46'18	6 Ω 17	21°41	6°12	23°22	oΩ 9	19°40	5°54	12° 8	15° 8	7°R17	6°17	2°10	22°49	S 19
M20	21 52 17	26°44'04	20° 4	22°12	7°26	23°56	0°21	19°37	5°52	12° 7	15° 9	7°17	6°14	2°17	22°54	M20
T 21	21 56 14	27°41'51	3 m 37	22°38	8°39	24°29	0°34	19°34	5°51	12° 6	15°10	7°16	6°11	2°24	23° 0	T 21
W22	22 0 10	28°39'39	16°53	22°59	9°53	25° 2	0°47	19°31	5°50	12° 5	15°10	7°13	6° 7	2°30	23° 6	W22
T 23	22 4 7	29°37'28	29°51	23°16	11° 7	25°35	0°59	19°28	5°49	12° 4	15°11	7°10	6° 4	2°37	23°12	T 23
F 24	22 8 3	0 m 35'19	12 ≏ 32	23°27	12°20	26° 7	1°12	19°26	5°48	12° 3	15°12	7° 6	6° 1	2°44	23°17	F 24
S 25	22 12 0	1°33'11	24°56	23°33	13°34	26°39	1°24	19°23	5°47	12° 2	15°13	7° 3	5°58	2°50	23°23	S 25
S 26	22 15 57	2°31'05	7 M 7	23°R34	14°47	27°11	1°37	19°20	5°46	12° 1	15°14	7° 0	5°55	2°57	23°28	S 26
M27	22 19 53	3°29'00	19° 7	23°28	16° 1	27°43	1°49	19°18	5°45	12° 0	15°15	6°58	5°52	3° 4	23°34	M27
T 28	22 23 50	4°26'56	1 √ 1	23°17	17°15	28°14	2° 1	19°15	5°44	11°59	15°17	6°D57	5°48	3°11	23°39	T 28
W29	22 27 46	5°24'53	12°53	23° 0	18°29	28°45	2°14	19°13	5°43	11°58	15°18	6°57	5°45	3°17	23°45	W29
T 30	22 31 43	6°22'52	2 <u>4</u> °48	22°37	19°42	29°15	2°26	1 <u>9</u> °10	<u>5°42</u>	1 <u>1°</u> 58	15°19	6°58	5°42	3°24	23°50	T 30
F 31	22 35 39	7 m 20′52	6 궁 52	22 m) 7	20 N 56	29 8 45	2 Ω 38	19る8	5 ⋜ 41	11 る 57	15 M 20	7 ≈ 0	5 ≈ 39	3 ₹ 31	23955	F 31

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W 1 T 2	18n 8 17 53			0n 6 22n28 0s 3 22 22			21n 9		21 s47 21 48		23 s37 23 37	0 s 2 0 0 2 0	21 s59 0n52 22 0 0 52						6s16 6 17
F 3 S 4		26 43 3 17	9 2	0 13 22 16	0 7 14	5 2		0 16	21 49 21 49		23 37	0 20 0 20	22 0 0 52	1 32 15 26	18 27	18 30	24 51	15 34	6 17 6 17
S 5 M 6	17 6	22 38 1 16	7 47	0 33 22 3	0 2 14 2	28 2 (21 0	0 16	21 50 21 51	0 3	23 37	0 20	22 0 0 52	1 34 15 25	18 27	18 31	24 53	15 32	6 17
T 7	16 50 16 33	14 4 1n 5	6 34	0 53 21 46	0 4 14 4	9 1 59	20 55	0 16	21 51	0 2	23 38		22 0 0 52	1 35 15 24	18 27	18 33	24 56	15 29	6 18
W 8 T 9	16 17 16 0	8 35 2 14 2 38 3 17	5 23	1 14 21 27	0 9 15	1 1 58	20 52 20 50	0 16	21 52 21 53	0 2	23 38 23 38	0 20	22 1 0 52	1 36 15 23	18 27	18 34	24 58	15 27	6 18 6 18
F 10 S 11	15 42 15 25	3n32 4 9 9 37 4 49	,	1 25 21 17 1 36 21 6			3 20 47 3 20 45		21 53 21 54		23 38 23 38							15 26 15 25	6 18 6 19
S 12 M13		15 17 5 11 20 11 5 15					20 42 20 40		21 55 21 55	0 2 0 2	23 38 23 38			1 00 10 11	18 28 18 28		-	15 23 15 22	6 19 6 19
T 14 W15	_	23 59 5 0 26 18 4 27	2 42 2 12	2 9 20 29 2 20 20 16			20 37 5 20 35	0 17 0 17	21 56 21 56	0 2 0 2		0 20 0 20			18 28 18 28			15 21 15 20	6 20 6 20
T 16 F 17		26 55 3 37 25 45 2 34	1 45 1 18	2 30 20 2 2 41 19 47			20 32 20 29	0 17 0 17	21 57 21 57	0 2 0 2	23 38 23 38	0 20 0 20			18 28 18 27			15 19 15 17	6 20 6 20
S 18 S 19		22 57 1 22					20 27		21 58		23 38							15 16	6 21
M20	12 36	13 41 1s10	0 9	3 13 19 0	0 36 16 3	66 1 53	3 20 24 3 20 22	0 17	21 59 21 59	0 1	23 38 23 38	0 20	22 2 0 52	1 44 15 17	18 27	18 43	25 9	15 15 15 14	6 21
T 21 W22	12 16 11 56	8 0 2 20 2 6 3 21	0 28		0 41 17	3 1 52	2 20 19 20 16	0 18	22 0	0 1	23 38 23 38		22 2 0 51	1 46 15 16	18 28	18 45	25 11	15 11	6 22
T 23 F 24	11 36 11 16	3 s 4 6 4 1 0 9 2 0 4 4 5	0 56	3 51 17 49	0 45 17 3	0 1 50	20 14	0 18	22 1	0 1 0 1	23 38 23 39	0 20	22 3 0 51	1 47 15 14		18 46	25 13		6 22 6 23
S 25 S 26		14 24 5 7 18 49 5 14			0 47 17 3		20 8				23 39 23 39								6 23
M27 T 28	10 14 9 53	22 25 5 7	1 17	4 13 16 51	0 51 17 3 0 53 18		3 20 3		22 3	0 1	23 39 23 39	0 20	22 3 0 51	1 50 15 13	18 32	18 49	25 16	15 5	6 24 6 24
W29 T 30	9 32	26 33 4 14 26 51 3 31	1 15	4 23 16 10	0 55 18	9 1 40	19 58 19 55	0 18	22 3	0 1	23 39 23 39	0 20	22 3 0 51	1 51 15 12	18 32	18 50	25 18	15 2	6 25 6 25
F 31		25 s53 2 s38		,,			19n53		22 s 4		23 s39		22 s 3 0n51					-	6 s25

Julian Day Number = 2448104.5, Delta T = 57.26 sec Ecliptic obliquity = 23°26'31, Nutation = $0^\circ00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^\circ36'31$, Lahiri = $23^\circ43'32$

SEPTEMBER 1990 00:00 UT

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Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)∤(卉	Р	u	ß	Ç	Ŗ	Day
S 1	22 39 36	8 m 18'53	19 る 8	21°R32	22\$\Omega10\$	0 Ⅱ 15	2 N 50	19°R 6	5°R41	11°R56	15 M 21	7≈ 1	5≈36	3 ₹ 37	2499 1	S 1
S 2	22 43 32	9°16'56	1≈40	20 m 51	23°24	0°45	3° 2	19궁 4	5 る 40	11 る 55	15°22	7°R 2	5°32	3°44	24° 6	S 2
M 3	22 47 29	10°15'00	14°31	20° 5	24°38	1°14	3°14	19° 2	5°40	11°55	15°24	7° 2	5°29	3°51	24°11	M 3
T 4	22 51 26	11°13'06	27°43	19°15	25°52	1°43	3°26	19° 0	5°39	11°54	15°25	7° 1	5°26	3°57	24°16	T 4
W 5	22 55 22	12°11'13	11 米 15	18°20	27° 6	2°11	3°38	18°58	5°38	11°54	15°26	6°57	5°23	4° 4	24°21	W 5
T 6	22 59 19	13° 9'22	25° 6	17°23	28°20	2°40	3°50	18°57	5°38	11°53	15°28	6°53	5°20	4°11	24°26	T 6
F 7	23 3 15	14° 7'33	9 Υ 12	16°25	29°34	3° 7	4° 1	18°55	5°38	11°52	15°29	6°47	5°17	4°18	24°31	F 7
S 8	23 7 12	15° 5'46	23°28	15°25	0 m /48	3°35	4°13	18°54	5°37	11°52	15°31	6°41	5°13	4°24	24°36	S 8
S 9	23 11 8	16° 4'00	7 8 50	14°27	2° 3	4° 2	4°25	18°52	5°37	11°51	15°32	6°36	5°10	4°31	24°41	S 9
M10	23 15 5	17° 2'17	22°12	13°30	3°17	4°28	4°36	18°51	5°37	11°51	15°33	6°32	5° 7	4°38	24°46	M10
T 11	23 19 1	18° 0'36	6 II 30	12°37	4°31	4°54	4°47	18°50	5°36	11°51	15°35	6°30	5° 4	4°44	24°51	T 11
W12	23 22 58	18°58'57	20°41	11°49	5°45	5°20	4°59	18°48	5°36	11°50	15°36	6°D29	5° 1	4°51	24°56	W12
T 13	23 26 55	19°57'20	49544	11° 7	7° 0	5°45	5°10	18°47	5°36	11°50	15°38	6°30	4°58	4°58	25° 0	T 13
F 14	23 30 51	20°55'46	18°38	10°32	8°14	6°10	5°21	18°46	5°36	11°49	15°40	6°31	4°54	5° 5	25° 5	F 14
S 15	23 34 48	21°54'13	2 Ω 21	10° 5	9°28	6°35	5°32	18°46	5°D36	11°49	15°41	6°R32	4°51	5°11	25° 9	S 15
S 16	23 38 44	22°52'43	15°54	9°46	10°43	6°59	5°43	18°45	5°36	11°49	15°43	6°32	4°48	5°18	25°14	S 16
M17	23 42 41	23°51'14	29°17	9°37	11°57	7°22	5°54	18°44	5°36	11°49	15°45	6°30	4°45	5°25	25°18	M17
T 18	23 46 37	24°49'47	12 Mp 27	9°D37	13°12	7°45	6° 5	18°44	5°36	11°48	15°46	6°25	4°42	5°31	25°23	T 18
W19	23 50 34	25°48'23	25°25	9°46	14°26	8° 7	6°16	18°43	5°36	11°48	15°48	6°18	4°38	5°38	25°27	W19
T 20	23 54 30	26°47'00	8 ₾ 10	10° 5	15°41	8°29	6°27	18°43	5°37	11°48	15°50	6°10	4°35	5°45	25°31	T 20
F 21	23 58 27	27°45'39	20°42	10°34	16°55	8°51	6°37	18°42	5°37	11°48	15°51	6° 0	4°32	5°51	25°35	F 21
S 22	0 2 24	28°44'20	3 M 1	11°11	18°10	9°12	6°48	18°42	5°37	11°48	15°53	5°51	4°29	5°58	25°39	S 22
S 23	0 6 20	29°43'03	15° 8	11°57	19°24	9°32	6°58	18°D42	5°38	11°48	15°55	5°42	4°26	6° 5	25°43	S 23
M24	0 10 17	0 ₽ 41'48	27° 6	12°52	20°39	9°52	7° 9	18°42	5°38	11°D48	15°57	5°35	4°23	6°12	25°47	M24
T 25	0 14 13	1°40'34	8 √ 157	13°53	21°54	10°11	7°19	18°42	5°39	11°48	15°59	5°30	4°19	6°18	25°51	T 25
W26	0 18 10	2°39'23	20°48	15° 2	23° 8	10°30	7°29	18°43	5°39	11°48	16° 1	5°27	4°16	6°25	25°55	W26
T 27	0 22 6	3°38'13	2 ප් 41	16°17	24°23	10°48	7°39	18°43	5°40	11°48	16° 3	5°D26	4°13	6°32	25°59	T 27
F 28	0 26 3	4°37'04	14°42	17°37	25°38	11° 5	7°49	18°43	5°41	11°48	16° 4	5°26	4°10	6°38	26° 2	F 28
S 29	0 29 59	5°35'58	26°57	19° 3	26°52	11°22	7°59	18°44	5°41	11°48	16° 6	5°27	4° 7	6°45	26° 6	S 29
S 30	0 33 56	6 ₽ 34'53	9≈30	20 Mg 32	28Mp 7	11 II 38	8 N 9	18 궁 45	5 る 42	11 궁 49	16 M 8	5°R27	4≈ 4	6 ₹ 52	269 9	S 30

Day	0	D	ğ	φ	♂	4	ħ)f(卉	Р	v v	ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl dec	l decl	decl lat
S 1	8n27	23 s40 1 s36	0 s45 4 s2	29 15n 5 1n 1	18n31 1 s44	19n50 0n19	22 s 5 0n 0	23 s39 0 s20	22 s 3 0n51	1 s54 15n10	18 s31 18 s5	2 25 s20	14n58 6 s26
S 2	8 5	20 16 0 29	0 28 4 2	28 14 42 1 2	18 38 1 43	19 47 0 19	22 5 0 0	23 39 0 20	22 4 0 51	1 55 15 10	18 31 18 5	3 25 21	14 57 6 26
M 3		15 50 0n41	0 8 4 2	-				23 39 0 20			18 31 18 5		14 56 6 27
T 4	7 22					19 42 0 19		23 39 0 20			18 31 18 5		
W 5	6 59	4 38 2 55				19 39 0 19		23 39 0 20			18 32 18 5	-	
T 6	6 37	1n36 3 52		5 13 8 1 9		19 37 0 19		23 39 0 20			18 33 18 5		
F 7 S 8	6 15 5 52	7 51 4 35 13 47 5 2			19 11 1 38 19 17 1 37			23 39 0 20 23 39 0 20			18 35 18 5 18 36 18 5		
	3 32	13 4/ 3 2	2 20 3 4	12 16 1 12	19 1/ 1 3/	19 31 0 20	7 22 / 0 0	23 39 0 20	22 4 0 31	2 0 13 /	18 30 18 3	8 23 20	14 49 6 29
S 9	5 30	19 0 5 10				19 29 0 20					18 37 18 5		
M10	5 7	23 7 4 58		-	-, -, -						18 38 18 5		1 1
T 11 W12	4 44				19 35 1 34			23 39 0 20					14 45 6 30
T 13	4 22 3 59	26 49 3 42 26 5 2 43		37 10 35 1 17 8 10 9 1 18				23 39 0 20 23 39 0 19			18 39 19 18 39 19	25 30 2 25 31	14 44 6 31 14 43 6 31
F 14	3 36			58 9 42 1 19		19 16 0 20		23 39 0 19				2 25 31	
S 15	3 13							23 39 0 19					14 40 6 32
S 16	2 50				-	19 11 0 21		23 39 0 19				4 25 33	
M17 T 18	2 26 2 3	9 52 1 59	7 3 1 7 20 0 4					23 39 0 19 23 39 0 19				5 25 34 6 25 35	14 38 6 33 14 36 6 34
W19	1 40	1 s44 3 52						23 39 0 19					14 35 6 34
T 20	1 17	7 23 4 30			20 21 1 23			23 39 0 19			-		14 34 6 35
F 21	0 53				20 26 1 22			23 39 0 19			-		14 33 6 36
S 22	0 30	17 17 5 5	7 47 0 2		20 31 1 20			23 39 0 19				9 25 38	14 31 6 36
S 23	0 7	21 10 5 1	7 42 0 4	5 30 1 25	20 35 1 19	18 53 0 22	2 22 10 0 2	23 39 0 19	22 5 0 50	2 13 15 0	18 51 19	9 25 38	14 30 6 37
M24	0 s17					18 50 0 22					18 53 19 1		
T 25	0 40					18 48 0 22		23 39 0 19		2 14 14 59			
W26	1 3	26 42 3 35								2 15 14 59			
T 27	1 27	26 11 2 46	6 42 1 2	24 3 33 1 26	20 52 1 13	18 43 0 22	2 22 10 0 2	23 39 0 19	22 5 0 50	2 16 14 58	18 55 19 1	2 25 41	14 25 6 39
F 28	1 50	24 26 1 49	6 18 1 3	32 3 4 1 26	20 56 1 11	18 41 0 22	2 22 10 0 2	23 39 0 19	22 5 0 50	2 17 14 58	18 55 19 1	3 25 42	14 24 6 39
S 29	2 13	21 31 0 45	5 51 1 3	38 2 34 1 26	21 0 1 9	18 38 0 23	22 10 0 2	23 39 0 19	22 5 0 50	2 18 14 58	18 55 19 1	4 25 43	14 23 6 40
S 30	2 s37	17 s32 0n22	5n20 1n4	14 2n 4 1n26	21n 4 1s 8	18n36 0n23	22s10 0s 2	23 s38 0 s19	22 s 5 0n50	2s19 14n57	18 s54 19 s1	5 25 s43	14n21 6s41

Julian Day Number = 2448135.5, Delta T = 57.32 sec Ecliptic obliquity = $23^{\circ}26'32$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'36$, Lahiri = $23^{\circ}43'36$

OCTOBER 1990 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	Р	n	Ω	Ç	ķ	Day
M 1	0 37 53	7 ₽ 33'50	22≈26	22 m) 5	29 m) 22	11 I I54	8 Ω 18	18 පි 45	5 ざ 43	11 3 49	16 M L10	5°R26	4≈ 0	6 × 758	269613	M 1
T 2	0 41 49	8°32'48	5) (47	23°42	25 الله 22 0 <u>م</u> 37	12° 9	8°28	18°46	5°44	11°49	16°12	5 R20 5 ≈ 22	3°57	7° 5	26°16	T 2
W 3	0 45 46	9°31'49	19°34	25°20	1°52	12°23	8°37	18°47	5°45	11°49	16°14	5°16	3°54	7°12	26°19	W 3
T 4	0 49 42	10°30'51	3 Υ46	27° 1	3° 6	12°37	8°46	18°48	5°45	11°50	16°16	5° 8	3°51	7°19	26°23	T 4
F 5	0 53 39	11°29'55	18°17	28°44	4°21	12°50	8°56	18°49	5°46	11°50	16°18	4°58	3°48	7°25	26°26	F 5
S 6	0 57 35	12°29'02	3 8 1	0 ჲ 27	5°36	13° 2	9° 5	18°50	5°48	11°50	16°21	4°48	3°44	7°32	26°29	S 6
S 7	1 1 32	13°28'11	17°50	2°12	6°51	13°14	9°14	18°52	5°49	11°51	16°23	4°38	3°41	7°39	26°32	S 7
M 8	1 5 28	14°27'22	2Д35	3°57	8° 6	13°25	9°23	18°53	5°50	11°51	16°25	4°30	3°38	7°45	26°35	M 8
T 9	1 9 25	15°26'35	17°10	5°42	9°21	13°35	9°31	18°55	5°51	11°52	16°27	4°25	3°35	7°52	26°37	T 9
W10	1 13 22	16°25'51	19529	7°28	10°36	13°44	9°40	18°56	5°52	11°52	16°29	4°22	3°32	7°59	26°40	W10
T 11	1 17 18	17°25'08	15°32	9°14	11°51	13°53	9°48	18°58	5°54	11°53	16°31	4°D21	3°29	8° 5	26°43	T 11
F 12	1 21 15	18°24'29	29°17	11° 0	13° 6	14° 1	9°57	19° 0	5°55	11°53	16°33	4°R21	3°25	8°12	26°45	F 12
S 13	1 25 11	19°23'51	12 N 46	12°45	14°21	14° 8	10° 5	19° 2	5°56	11°54	16°36	4°21	3°22	8°19	26°48	S 13
S 14	1 29 8	20°23'16	26° 0	14°30	15°36	14°14	10°13	19° 4	5°58	11°55	16°38	4°20	3°19	8°26	26°50	S 14
M15	1 33 4	21°22'43	9 m) 1	16°15	16°51	14°19	10°21	19° 6	5°59	11°55	16°40	4°15	3°16	8°32	26°52	M15
T 16	1 37 1	22°22'13	21°51	17°59	18° 6	14°24	10°29	19° 8	6° 1	11°56	16°42	4° 8	3°13	8°39	26°55	T 16
W17	1 40 57	23°21'44	4 <u>Ω</u> 29	19°43	19°21	14°27	10°37	19°10	6° 2	11°57	16°45	3°58	3° 9	8°46	26°57	W17
T 18 F 19	1 44 54 1 48 50	24°21'17 25°20'53	16°58 29°17	21°26 23° 8	20°36 21°51	14°30 14°32	10°44 10°52	19°13 19°15	6° 4 6° 6	11°58 11°58	16°47 16°49	3°46 3°32	3° 6 3° 3	8°52 8°59	26°59 27° 1	T 18 F 19
S 20	1 48 30	25°20'31	11 M 27	24°50	21° 51 23° 6	14°33	10°59	19 13 19°18	6° 6 6° 7	11°59	16°51	3°18	3° 0	9° 6	27° 1	S 20
S 21	1 56 44	27°20'10	23°28	26°32	24°22	14°R34	11° 6	19°20	6° 9	12° 0	16°54	3° 4	2°57	9°12	27° 4	S 21
M22 T 23	2 0 40 2 4 37	28°19'52 29°19'35	5 ₹ 22 17°11	28°12 29°53	25°37 26°52	14°33 14°32	11°13 11°20	19°23 19°26	6°11 6°13	12° 1 12° 2	16°56 16°58	2°53 2°44	2°54 2°50	9°19 9°26	27° 6 27° 7	M22 T 23
W24	2 8 3 3	0ML19'21	29° 0	1 M .32	28° 7	14°32 14°29	11°27	19°29	6°15	12° 3	10 38 17° 1	2°38	2°47	9°23	27° 9	W24
T 25	2 12 30	1°19'08	10 궁 50	3°11	29°22	14°26	11°33	19°32	6°17	12° 4	17° 3	2°35	2°44	9°39	27°10	T 25
F 26	2 16 26	2°18'56	22°48	4°50	0M 37	14°22	11°39	19°35	6°19	12° 5	17° 5	2°34	2°41	9°46	27°12	F 26
S 27	2 20 23	3°18'46	4≈ 59	6°28	1°53	14°17	11°46	19°38	6°21	12° 6	17° 8	2°34	2°38	9°53	27°13	S 27
S 28	2 24 19	4°18'38	17°28	8° 5	3° 8	14°11	11°52	19°41	6°23	12° 7	17°10	2°34	2°35	9°59	27°14	S 28
M29	2 28 16	5°18'32	0) €21	9°42	4°23	14° 4	11°58	19°45	6°25	12° 8	17°13	2°32	2°31	10° 6	27°15	M29
T 30	2 32 13	6°18'27	13°41	11°18	5°38	13°56	12° 4	19°48	6°27	12° 9	17°15	2°28	2°28	10°13	27°16	T 30
W31	2 36 9	7 M 18'24	27) (30	12 M 54	6ML53	13 Ⅱ 48	12 N 9	19 る 52	6 පි 29	12 궁 11	17 M 17	2≈22	2≈25	10 ∡ 19	279517	W31

Day	0	J		ğ		φ		d	7	2	4	1	1);	j (,	(В	n	U	Ç	ď	;
	decl	decl la	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
M 1	3 s 0			4n47	1n48	1n34	1n26	-		18n34		22 s10		23 s38		22 s 5	0n50	2 s 20 14 n 5				-	6 s41
T 2 W 3	3 23 3 47		-	4 12 3 35	1 51 1 53	1 4 0 35	1 26 1 26		1 4		0 23 0 23		0 2				0 50 0 50	_	6 18 56 6 18 57			-	6 42
T 4	4 10		-	2 56	1 55	0 55	-	21 13	1 1	18 29			-	23 38		-	0 50		5 18 59			-	6 43
F 5	-		-	2 16	1 55	0 s25	1 25			18 24		22 10		23 38			0 50	2 23 14 5			25 47		6 44
S 6				1 34	1 55	0 56	1 25			18 22		22 10		23 38			0 50	2 24 14 5			25 47	-	6 44
S 7	5 19	21 51 4	4 54	0 52	1 53	1 26	1 24	21 29	0 55	18 20	0 24	22 9	0 3	23 38	0 19	22 5	0 50	2 25 14 5	5 19 6	19 20	25 48	14 13	6 45
M 8	5 42	25 3 4	4 27	0 8	1 52	1 56	1 24	21 32	0 53	18 18	0 24	22 9	0 3	23 38	0 19	22 5	0 50	2 26 14 5	5 19 8	19 21	25 49	14 12	6 46
T 9	6 5	26 31	3 43	0s36	1 49	2 26	1 23		0 51	18 16	0 24	22 9	0 3	23 38	0 19	22 5	0 50	2 27 14 5	4 19 10	19 21	25 49	14 11	6 46
W10	6 28	26 11 2	2 45	1 20	1 46	2 56	1 23	21 38		18 13	0 24	22 9	0 3	23 38	0 19	22 5	0 50	2 28 14 5	4 19 10	19 22	25 50	14 10	6 47
T 11	6 50	24 10	1 38	2 5	1 43	3 26	1 22			18 11	0 24		0 3				0 50	2 28 14 5				-	6 47
F 12	7 13	20 45 (0 27	2 50	1 39	3 56	1 21	21 45	0 45	18 9	0 25	22 9				22 5	0 50		3 19 10			-	6 48
S 13	7 36	16 16 (0 s44	3 35	1 35	4 25	1 20	21 48	0 43	18 7	0 25	22 9	0 3	23 38	0 19	22 5	0 50	2 30 14 5	3 19 10	19 24	25 52	14 6	6 49
S 14	7 58	-	-	4 20	1 30	4 55	1 19		0 40	-			0 3				0 50	2 31 14 5					6 49
M15	8 20			5 5	1 25	5 25	1 18		0 38	-		-	0 3			-	0 49	2 32 14 5					6 50
T 16	8 43		-	5 49	1 20	5 54	1 17		0 36	-	0 25		0 3		0 19		0 49	2 33 14 5					6 51
W17	9 5			6 34	1 14	6 24		21 59			0 25	-	0 3		0 19	-	0 49	2 34 14 5					6 51
T 18	9 27		,	7 18	1 9	6 53		22 2	0 31		0 26		0 3		0 19		0 49	2 34 14 5					6 52
F 19				8 1	1 3	7 22		22 4		17 55			0 4		0 19		0 49	2 35 14 5					6 53
S 20				8 44	0 57	7 51	1 13			17 54			0 4	23 37	0 19		0 49	2 36 14 5					6 53
S 21	10 32			9 27	0 50	8 20		22 9		17 52		-	0 4		0 19		0 49	2 37 14 5					6 54
M22	10 53		4 14 1		0 44	8 49	1 10					-	0 4		0 19		0 49	2 38 14 5					6 55
T 23		-		0 51	0 38	9 17	-	22 14		17 48		-	0 4		0 19	-	0 49	2 38 14 5					6 55
	11 35			1 32	0 31	9 46		22 17		17 47		-	0 4		0 19	-	0 49	2 39 14 5					6 56
T 25			-	2 12	-	10 14	-	22 19		17 45		-	0 4		0 19	-	0 49	2 40 14 5					6 57
F 26	12 17		0 51 1	-		10 41		22 21		17 43		-	0 4			-	0 49	2 41 14 5					6 58
S 27			0n13 1		0 11	11 9		22 23		17 42			0 4		0 19		0 49	2 42 14 5				13 53	6 58
S 28			1 18 1	-	0 4			22 25		17 40				23 36			0 49	2 42 14 5				13 52	6 59
M29	13 18				0s 3		0 59			17 39	0 28			23 36			0 49	2 43 14 5				13 51	7 0
T 30	13 37		3 19 1			12 30	0 57						-	23 36			0 49	2 44 14 4				13 50	7 0
W31	13 s57	2n47	4n 7 1:	5 s 5 8	0s16	12 s57	0n56	22n31	0n 4	17n36	0n28	22 s 3	0s 4	23 s36	0s19	22 s 4	0n49	2 s45 14n4	9 19 s38	19 s 3 7	26s 1	13n49	7 s 1

Julian Day Number = 2448165.5, Delta T = 57.38 sec Ecliptic obliquity = 23°26'32, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°36'40, Lahiri = 23°43'40

NOVEMBER 1990 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)វ(卉	Р	N.	v	Ç	Š	Day
T 1	2 40 6	8ML18'23	11 Y 49	14ML29	8M 9	13°R38	12 Ω 15	19 る 55	6 궁 32	12 る 12	17 M 20	2°R13	2≈22	10 х 26	279517	T 1
F 2	2 44 2	9°18'23	26°34	16° 4	9°24	13 Ⅲ 28	12°20	19°59	6°34	12°13	17°22	2≈ 2	2°19	10°33	27°18	F 2
S 3	2 47 59	10°18'25	11836	17°38	10°39	13°17	12°25	20° 3	6°36	12°14	17°25	1°50	2°15	10°39	27°19	S 3
S 4	2 51 55	11°18'29	26°47	19°12	11°54	13° 5	12°30	20° 7	6°39	12°16	17°27	1°39	2°12	10°46	27°19	S 4
M 5	2 55 52	12°18'35	11 Ⅱ 55	20°46	13°10	12°52	12°35	20°11	6°41	12°17	17°29	1°30	2° 9	10°53	27°19	M 5
T 6	2 59 48	13°18'43	26°51	22°19	14°25	12°39	12°39	20°15	6°44	12°18	17°32	1°24	2° 6	11° 0	27°20	T 6
W 7	3 3 45	14°18'53	119528	23°52	15°40	12°24	12°44	20°19	6°46	12°20	17°34	1°20	2° 3	11° 6	27°20	W 7
T 8	3 7 42	15°19'05	25°42	25°24	16°56	12° 9	12°48	20°23	6°49	12°21	17°37	1°D19	2° 0	11°13	27°R20	T 8
F 9	3 11 38	16°19'20	9 Ω 31	26°57	18°11	11°53	12°52	20°27	6°51	12°23	17°39	1°R19	1°56	11°20	27°20	F 9
S 10	3 15 35	17°19'36	22°58	28°28	19°26	11°36	12°56	20°32	6°54	12°24	17°41	1°19	1°53	11°26	27°20	S 10
S 11	3 19 31	18°19'54	6Mp 5	29°59	20°41	11°19	13° 0	20°36	6°56	12°26	17°44	1°18	1°50	11°33	27°20	S 11
M12	3 23 28	19°20'14	18°54	1 ₹ 31	21°57	11° 1	13° 4	20°41	6°59	12°27	17°46	1°14	1°47	11°40	27°19	M12
T 13	3 27 24	20°20'36	1 ≏ 29	3° 1	23°12	10°42	13° 7	20°45	7° 2	12°29	17°49	1° 8	1°44	11°46	27°19	T 13
W14	3 31 21	21°21'00	13°53	4°32	24°27	10°23	13°10	20°50	7° 5	12°30	17°51	0°59	1°41	11°53	27°18	W14
T 15	3 35 17	22°21'25	26° 8	6° 2	25°43	10° 3	13°13	20°55	7° 7	12°32	17°54	0°47	1°37	12° 0	27°18	T 15
F 16	3 39 14	23°21'53	8 M .14	7°31	26°58	9°43	13°16	20°59	7°10	12°33	17°56	0°34	1°34	12° 6	27°17	F 16
S 17	3 43 11	24°22'22	20°14	9° 1	28°13	9°22	13°19	21° 4	7°13	12°35	17°58	0°21	1°31	12°13	27°16	S 17
S 18	3 47 7	25°22'53	2 ₹ 9	10°29	29°29	9° 1	13°21	21° 9	7°16	12°37	18° 1	0° 9	1°28	12°20	27°15	S 18
M19	3 51 4	26°23'25	14° 0	11°58	0 ∡ 744	8°40	13°23	21°14	7°19	12°38	18° 3	29 궁 58	1°25	12°27	27°14	M19
T 20	3 55 0	27°23'59	25°48	13°26	1°59	8°18	13°26	21°19	7°22	12°40	18° 6	29°50	1°21	12°33	27°13	T 20
W21	3 58 57	28°24'35	7 云 37	14°53	3°15	7°56	13°27	21°24	7°25	12°42	18° 8	29°44	1°18	12°40	27°12	W21
T 22	4 2 53	29°25'11	19°29	16°20	4°30	7°33	13°29	21°30	7°28	12°44	18°10	29°42	1°15	12°47	27°11	T 22
F 23	4 6 50	0 х 25′49	1≈27	17°47	5°45	7°11	13°31	21°35	7°31	12°45	18°13	29°D41	1°12	12°53	27°10	F 23
S 24	4 10 47	1°26'28	13°36	19°12	7° 1	6°48	13°32	21°40	7°34	12°47	18°15	29°42	1° 9	13° 0	27° 8	S 24
S 25	4 14 43	2°27'08	26° 2	20°37	8°16	6°25	13°33	21°46	7°37	12°49	18°18	29°43	1° 6	13° 7	27° 7	S 25
M26	4 18 40	3°27'49	8)(49	22° 1	9°32	6° 3	13°34	21°51	7°40	12°51	18°20	29°R43	1° 2	13°13	27° 5	M26
T 27	4 22 36	4°28'31	22° 1	23°24	10°47	5°40	13°35	21°57	7°43	12°53	18°22	29°41	0°59	13°20	27° 3	T 27
W28	4 26 33	5°29'14	5 Ƴ 42	24°46	12° 2	5°17	13°35	22° 2	7°46	12°55	18°25	29°37	0°56	13°27	27° 2	W28
T 29	4 30 29	6°29'59	19°54	26° 7	13°18	4°55	13°36	22° 8	7°49	12°56	18°27	29°31	0°53	13°33	27° 0	T 29
F 30	4 34 26	7 . ₹730'44	4 8 33	27 . ₹26	14 × 33	4 Ⅲ 33	13°R36	22 ਰ 14	7 云 53	12 る 58	18 M 29	29 궁 24	0≈50	13 × 740	26958	F 30

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S 4 M 5	15 13 15 32			0 43 14 39 0 49 15 4	0 48 22 38 0 46 22 39		17 31 17 30	0 29 0 29		0 5 0 5			1	-	2 48 14 49 2 48 14 49				13 46 13 45	7 4 7 4
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T 8	16 26	21 30 0 3	0 20 13	1 8 16 16	0 40 22 43	0 28	17 27	0 30	21 59	0 5	23 35	0 19	22 4 0	49 2	2 50 14 49	19 52	19 43	26 5	13 43	7 6
F 9 S 10				1 14 16 39 1 20 17 1	0 38 22 43 0 35 22 44		17 26 17 25		21 58 21 57	0 5 0 5	23 35 23 35		1	-	2 51 14 48 2 52 14 48		-		13 43 13 42	7 7 7 8
S 11 M12	17 17 17 34	0 57 3 4	4 21 57	1 26 17 24 1 31 17 45	0 33 22 45 0 31 22 46	0 40	17 24 17 23	0 30	21 57 21 56	0 5		0 19	22 3 0	49 2	2 52 14 48 2 53 14 48	19 53	19 46	26 6	13 41 13 41	7 8 7 9
T 13 W14 T 15	17 50 18 6 18 22	9 54 4 4	9 22 43	1 37 18 7 1 42 18 27 1 47 18 48	0 29 22 46 0 27 22 46 0 24 22 47	0 46	17 22 17 21	0 31	21 56 21 55 21 54	0 5 0 5		0 19	22 3 0	48 2	2 54 14 48 2 54 14 48 2 55 14 48	19 57	19 47	26 7	13 40 13 40 13 39	7 10 7 10 7 11
F 16 S 17	18 37	18 58 4 5	9 23 24	1 47 18 48 1 52 19 8 1 56 19 27	0 22 22 47 0 20 22 47	0 53	17 21 17 20 17 20	0 31	21 54 21 53	0 5		0 19	22 3 0	48 2	2 56 14 48 2 56 14 48 2 56 14 48	20 2	19 48 19 49 19 49	26 8	13 38 13 38	7 12 7 12 7 12
S 18 M19	19 7 19 21			2 1 19 46 2 5 20 4	0 17 22 46 0 15 22 46		17 19 17 19		21 52 21 52		23 34 23 33				2 57 14 48 2 58 14 48		19 50 19 51		13 37 13 37	7 13 7 14
T 20 W21	19 35 19 48	25 8 1 5	5 24 46	2 9 20 21 2 12 20 38	0 13 22 46 0 10 22 45	1 8	17 18 17 18	0 32	21 51 21 50	0 6	23 33 23 33	0 19	22 2 0	48	2 58 14 48 2 59 14 48	20 12	19 52	26 9	13 37 13 36	7 14 7 15
	20 2 20 15 20 27	19 41 On	9 25 10	2 15 20 55 2 18 21 11 2 21 21 26	0 8 22 44 0 5 22 44 0 3 22 43	1 14	17 18 17 17 17 17	0 33	21 49 21 49 21 48	0 6	23 33 23 33 23 33	0 19	22 2 0	48	2 59 14 48 3 0 14 48 3 0 14 48	20 13	19 54	26 10		7 16 7 16 7 17
S 25		10 42 2 1	6 25 29	2 23 21 41 2 25 21 55	0 1 22 41 0s 2 22 40	1 20	17 17	0 33	21 47 21 46	0 6	23 32	0 19	22 2 0	48	3 1 14 49 3 2 14 49	20 13	19 55	26 10	13 35	7 18 7 18
T 27	21 2 21 13	0n34 4	3 25 42	2 26 22 8 2 27 22 21	0 4 22 39 0 7 22 38	1 25	17 17	0 33	21 45 21 45	0 6		0 19	22 1 0	48	3 2 14 49	20 13	19 56	26 11 26 11	13 34	7 19 7 19
	21 24 21 s34	-		2 27 22 33 2 s27 22 s44	0 9 22 36 0s11 22n35		17 17 17n17		21 44 21 s43		23 32 23 s31	0 19 0s19	1		3 3 14 49 3 s 4 14n49			26 11 26 s12		7 20 7 s21

Julian Day Number = 2448196.5, Delta T = 57.44 sec Ecliptic obliquity = $23^{\circ}26'31$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'44$, Lahiri = $23^{\circ}43'45$

DECEMBER 1990 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	₽.	v	Ç	Š,	Day
S 1	4 38 22	8 ,7 31'30	19 8 36	28 ৴ 44	15 ∡ 748	4°R11	13°R36	22 궁 19	7 ප 56	13 る 0	18 M .32	29°R16	0≈47	13 ×7 47	26°R56	S 1
S 2	4 42 19	9°32'18	4 Ⅱ 52	29°59	17° 4	3 П 49	13 £ 35	22°25	7°59	13° 2	18°34	29궁 8	0°43	13°53	26953	S 2
M 3	4 46 16	10°33'06	20°12	1 る 13	18°19	3°27	13°35	22°31	8° 2	13° 4	18°36	29° 1	0°40	14° 0	26°51	M 3
T 4	4 50 12	11°33'56	5923	2°24	19°34	3° 6	13°34	22°37	8° 6	13° 6	18°39	28°57	0°37	14° 7	26°49	T 4
W 5	4 54 9	12°34'48	20°17	3°32	20°50	2°46	13°34	22°43	8° 9	13° 8	18°41	28°55	0°34	14°14	26°47	W 5
T 6	4 58 5	13°35'40	4Ω47	4°36	22° 5	2°26	13°32	22°49	8°12	13°10	18°43	28°D55	0°31	14°20	26°44	T 6
F 7	5 2 2	14°36'34	18°50	5°37	23°20	2° 6	13°31	22°55	8°16	13°12	18°45	28°56	0°27	14°27	26°42	F 7
S 8	5 5 58	15°37'29	2 Mp 26	6°33	24°36	1°47	13°30	23° 1	8°19	13°14	18°48	28°57	0°24	14°34	26°39	S 8
S 9	5 9 55	16°38'25	15°37	7°24	25°51	1°28	13°28	23° 7	8°23	13°16	18°50	28°R58	0°21	14°40	26°36	S 9
M10	5 13 51	17°39'22	28°25	8° 9	27° 6	1°10	13°26	23°14	8°26	13°19	18°52	28°57	0°18	14°47	26°33	M10
T 11	5 17 48	18°40'20	10 ≏ 56	8°48	28°22	0°53	13°24	23°20	8°29	13°21	18°54	28°55	0°15	14°54	26°31	T 11
W12	5 21 45	19°41'20	23°12	9°19	29°37	0°36	13°22	23°26	8°33	13°23	18°56	28°50	0°12	15° 0	26°28	W12
T 13	5 25 41	20°42'21	5 M .18	9°43	0 궁 52	0°20	13°20	23°32	8°36	13°25	18°58	28°44	0° 8	15° 7	26°25	T 13
F 14	5 29 38	21°43'23	17°16	9°56	2° 8	0° 5	13°17	23°39	8°40	13°27	19° 1	28°38	0° 5	15°14	26°22	F 14
S 15	5 33 34	22°44'25	29° 9	10°R 0	3°23	29 8 50	13°14	23°45	8°43	13°29	19° 3	28°30	0° 2	15°20	26°18	S 15
S 16	5 37 31	23°45'29	10 × 759	9°54	4°38	29°36	13°11	23°52	8°47	13°31	19° 5	28°23	29 궁 59	15°27	26°15	S 16
M17	5 41 27	24°46'33	22°49	9°36	5°54	29°23	13° 8	23°58	8°50	13°34	19° 7	28°18	29°56	15°34	26°12	M17
T 18	5 45 24	25°47'39	4 云 39	9° 6	7° 9	29°11	13° 5	24° 5	8°54	13°36	19° 9	28°14	29°53	15°40	26° 9	T 18
W19	5 49 20	26°48'44	16°32	8°25	8°25	29° 0	13° 1	24°11	8°57	13°38	19°11	28°11	29°49	15°47	26° 5	W19
T 20	5 53 17	27°49'50	28°30	7°32	9°40	28°49	12°57	24°18	9° 1	13°40	19°13	28°D10	29°46	15°54	26° 2	T 20
F 21	5 57 14	28°50'57	10≈36	6°30	10°55	28°39	12°53	24°25	9° 4	13°42	19°15	28°11	29°43	16° 1	25°58	F 21
S 22	6 1 10	29°52'04	22°51	5°19	12°10	28°30	12°49	24°31	9° 8	13°45	19°17	28°13	29°40	16° 7	25°55	S 22
S 23	6 5 7	0 ප 53'11	5 ¥ 21	4° 1	13°26	28°22	12°45	24°38	9°11	13°47	19°19	28°14	29°37	16°14	25°51	S 23
M24	6 9 3	1°54'18	18° 7	2°40	14°41	28°14	12°41	24°45	9°15	13°49	19°21	28°16	29°33	16°21	25°47	M24
T 25	6 13 0	2°55'25	1 Υ 15	1°18	15°56	28° 8	12°36	24°52	9°19	13°51	19°23	28°R17	29°30	16°27	25°44	T 25
W26	6 16 56	3°56'33	14°46	29 × 757	17°12	28° 2	12°31	24°58	9°22	13°53	19°25	28°16	29°27	16°34	25°40	W26
T 27	6 20 53	4°57'40	28°44	28°40	18°27	27°57	12°26	25° 5	9°26	13°56	19°27	28°15	29°24	16°41	25°36	T 27
F 28	6 24 49	5°58'48	138 7	27°29	19°42	27°53	12°21	25°12	9°29	13°58	19°28	28°12	29°21	16°47	25°32	F 28
S 29	6 28 46	6°59'56	27°52	26°27	20°58	27°50	12°16	25°19	9°33	14° 0	19°30	28° 9	29°18	16°54	25°28	S 29
S 30	6 32 43	<u>8°</u> 1'03	12 II 54	25°34	2 <u>2</u> °13	27°48	12°10	2 <u>5</u> °26	<u>9°</u> 37	1 <u>4</u> ° 2	19°32	2 <u>8°</u> 6	2 <u>9</u> °14	17° 1	25°24	S 30
M31	6 36 39	98 2'11	28耳 5	24 × 751	23 る 28	27 8 46	12 0 5	25 る 33	9 る 40	14궁 5	19 M .34	28 궁 4	29 ਰ 11	17 ×7 7	25920	M31

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S 1	21 s44	22n15	4n48	25 s52	2 s 2 6	22 s55	0s14	22n33	1n36	17n18	0n34	21 s42	0s 6	23 s31	0s19	22 s 1	0n48	3 s 4	14n49	20 s18	19 s 59	26s12	13n33	$7 \mathrm{s} 21$
S 2	21 53	-	-	25 51	2 24			22 31		17 18		21 41		23 31		-		-				26 12		7 22
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T 4 W 5	22 10 22 18			25 44 25 39		23 23 23 31		22 28 22 26		17 19 17 19		21 39 21 38		23 31 23 30		-				20 22 20 23		26 12 26 13		7 23 7 23
T 6	-		-	25 39		23 38		22 24		17 20		21 36		23 30		-				20 23		26 13		7 24
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S 8	22 40			25 15		23 50		22 20		17 21		21 36		23 30		21 59	0 48			20 22		26 13		7 25
S 9	22 46		3 46			23 55		22 19		17 21		21 35		23 30		21 59				20 22		26 13		7 26
M10 T 11	22 52 22 58		-	24 5324 41	1 42 1 32			22 17 22 15		17 22		21 34 21 33		23 29 23 29		21 59	0 48 0 48			20 22 20 23		26 13 26 14		7 26 7 27
W12				24 41 24 27	1 32			22 13		17 23 17 24		21 33		23 29		21 59 21 59	0 48			20 23		26 14		7 27
T 13	_			24 13	1 8			22 11				21 31		23 29		21 58	0 48			20 25		26 14		7 28
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S 15	23 15	24 19	4 27	23 43	0 39	24 10	0 46	22 8	2 4	17 27	0 37	21 28	0 7	23 28	0 19	21 58	0 48	3 10	14 52	20 28	20 9	26 14	13 33	7 29
S 16	23 18	25 52	3 49	23 27	0 23	24 10	0 48	22 7	2 5	17 28	0 38	21 27	0 7	23 28	0 19	21 58	0 48	3 10	14 52	20 29	20 9	26 14	13 33	7 29
M17			-	23 11	0 5		0 50	-		17 29		21 26		23 28		21 58						26 14		7 29
_	23 22		-	22 54	0n14		0 52			17 30		21 25		23 28		21 57	0 48					26 15		7 30
W19 T 20	23 24 23 25			22 37 22 21	0 33 0 53		0 54 0 56			17 31 17 32		21 24 21 23		23 27 23 27		21 57 21 57	0 48 0 48					26 15 26 15		7 30 7 31
F 21	23 26		1 8			23 58	0 58			17 34		21 22		23 27		21 57	0 48					26 15		7 31
S 22				21 48		23 53		21 59		17 35		21 21		23 27		21 57	0 48	-				26 15		7 31
S 23	23 26	6 36	3 10	21 32	1 51	23 48	1 2	21 58	2 14	17 37	0 39	21 20	0 8	23 26	0 19	21 56	0 48	3 12	14 54	20 31	20 14	26 15	13 34	7 32
M24	23 26	1 0	4 1	21 16	2 9	23 42	1 4	21 58	2 15	17 38	0 39	21 19	0 8	23 26	0 19	21 56	0 48	3 12	14 54	20 31	20 15	26 15	13 35	7 32
T 25	23 25	-	4 41		2 24		-	21 57		17 40		21 17		23 26		21 56	0 48	-				26 15		7 33
	23 23		-	20 49	2 38			21 56		17 41		21 16		23 26		21 56	0 48	-				26 15		7 33
T 27 F 28	23 21 23 18		-	20 37 20 28		23 19 23 10		21 56 21 56		17 43 17 44		21 15 21 14		23 25 23 25		21 56 21 55	0 47 0 47	-				26 15 26 15		7 33 7 33
	23 15		-	20 28		23 10		21 56		17 44		21 13		23 25		21 55	0 47					26 15		7 34
S 30	23 12		3 44	20 15		22 50	1 14	21 56		17 48		21 12		23 25		21 55	0 47					26 15		7 34
M31	23 s 8	26n 4	2n38	20s12	3n 9	22 s39	1s16	21n56	2n20	17n50	0n41	21 s10	0s 9	23 s24	0s19	21 s55	0n47	3 s 1 3	14n56	20 s33	20 s19	26s15	13n37	7 s34

Julian Day Number = 2448226.5, Delta T = 57.50 sec Ecliptic obliquity = $23^{\circ}26'30$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'48$, Lahiri = $23^{\circ}43'49$