

Astrodienst Ephemeris Tables for the year 1991

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 1991 00:00 UT

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Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)∤(并	В	n	v	Ç	Ŗ	Day
T 1	6 40 36	10ට 3'19	139514	24°R19	24 3 43	27°R45	11°R59	25 3 40	9 ප 44	14궁 7	19 M .35	28°R 3	29ට 8	17 × 14	25°R16	T 1
W 2	6 44 32	11° 4'27	28°13	23 × 757	25°59	27°D45	11 £ 53	25°47	9°47	14° 9	19°37	28°D 2	29° 5	17°21	259512	W 2
T 3	6 48 29	12° 5'35	$12\Omega52$	23°45	27°14	27 8 46	11°47	25°54	9°51	14°12	19°39	28 궁 3	29° 2	17°27	25° 8	T 3
F 4	6 52 25	13° 6'43	27° 7	23°D43	28°29	27°48	11°41	26° 1	9°55	14°14	19°41	28° 4	28°59	17°34	25° 4	F 4
S 5	6 56 22	14° 7'51	10 m 55	23°49	29°44	27°50	11°35	26° 8	9°58	14°16	19°42	28° 5	28°55	17°41	25° 0	S 5
S 6	7 0 19	15° 9'00	24°16	24° 4	0≈59	27°53	11°28	26°15	10° 2	14°18	19°44	28° 6	28°52	17°47	24°56	S 6
M 7	7 4 15	16°10'08	7 ≏ 12	24°27	2°15	27°56	11°22	26°22	10° 5	14°21	19°45	28° 7	28°49	17°54	24°52	M 7
T 8	7 8 12	17°11'17	19°46	24°56	3°30	28° 1	11°15	26°29	10° 9	14°23	19°47	28°R 7	28°46	18° 1	24°47	T 8
W 9	7 12 8	18°12'26	2M 2	25°31	4°45	28° 6	11° 8	26°36	10°12	14°25	19°48	28° 6	28°43	18° 7	24°43	W 9
T 10	7 16 5	19°13'35	14° 5	26°12	6° 0	28°12	11° 1	26°43	10°16	14°27	19°50	28° 6	28°39	18°14	24°39	T 10
F 11	7 20 1	20°14'45	26° 0	26°58	7°15	28°19	10°54	26°50	10°20	14°30	19°51	28° 5	28°36	18°21	24°35	F 11
S 12	7 23 58	21°15'54	7 ₹ 50	27°48	8°30	28°26	10°47	26°57	10°23	14°32	19°53	28° 3	28°33	18°27	24°30	S 12
S 13	7 27 54	22°17'03	19°38	28°42	9°45	28°34	10°40	27° 4	10°27	14°34	19°54	28° 3	28°30	18°34	24°26	S 13
M14	7 31 51	23°18'12	1 る 29	29°40	11° 1	28°42	10°32	27°12	10°30	14°37	19°56	28° 2	28°27	18°41	24°22	M14
T 15	7 35 48	24°19'20	13°24	0 궁 41	12°16	28°51	10°25	27°19	10°34	14°39	19°57	28° 1	28°24	18°48	24°18	T 15
W16	7 39 44	25°20'28	25°25	1°45	13°31	29° 1	10°17	27°26	10°37	14°41	19°58	28°D 1	28°20	18°54	24°13	W16
T 17	7 43 41	26°21'36	7 ≈ 35	2°51	14°46	29°12	10°10	27°33	10°41	14°43	20° 0	28° 1	28°17	19° 1	24° 9	T 17
F 18	7 47 37	27°22'43	19°54	4° 0	16° 1	29°23	10° 2	27°40	10°44	14°46	20° 1	28° 1	28°14	19° 8	24° 5	F 18
S 19	7 51 34	28°23'49	2 ∺ 25	5°10	17°16	29°34	9°55	27°47	10°48	14°48	20° 2	28°R 1	28°11	19°14	24° 0	S 19
S 20	7 55 30	29°24'55	15° 9	6°23	18°31	29°47	9°47	27°54	10°51	14°50	20° 3	28° 1	28° 8	19°21	23°56	S 20
M21	7 59 27	0≈26'00	28° 7	7°37	19°46	29°59	9°39	28° 2	10°55	14°52	20° 4	28° 1	28° 5	19°28	23°52	M21
T 22	8 3 23	1°27'04	11 Y 20	8°53	21° 1	0 Ⅱ 13	9°31	28° 9	10°58	14°54	20° 5	28° 1	28° 1	19°34	23°48	T 22
W23	8 7 20	2°28'07	24°51	10°11	22°16	0°27	9°23	28°16	11° 2	14°57	20° 6	28° 1	27°58	19°41	23°43	W23
T 24	8 11 17	3°29'09	8 8 40	11°29	23°31	0°41	9°15	28°23	11° 5	14°59	20° 8	28°D 1	27°55	19°48	23°39	T 24
F 25	8 15 13	4°30'10	22°46	12°49	24°46	0°56	9° 7	28°30	11°8	15° 1	20° 9	28° 1	27°52	19°54	23°35	F 25
S 26	8 19 10	5°31'09	7 Ⅱ 10	14°11	26° 1	1°11	8°59	28°37	11°12	15° 3	20°10	28° 1	27°49	20° 1	23°31	S 26
S 27	8 23 6	6°32'08	21°47	15°33	27°16	1°27	8°51	28°44	11°15	15° 5	20°10	28° 2	27°45	20° 8	23°26	S 27
M28	8 27 3	7°33'06	6933	16°56	28°30	1°44	8°43	28°51	11°18	15° 7	20°11	28° 3	27°42	20°14	23°22	M28
T 29	8 30 59	8°34'03	21°21	18°21	29°45	2° 0	8°35	28°58	11°22	15°10	20°12	28°R 3	27°39	20°21	23°18	T 29
W30	8 34 56	9°34'58	6Ω 5	19°46	1) 0	2°18	8°27	29° 6	11°25	15°12	20°13	28° 3	27°36	20°28	23°14	W30
T 31	8 38 52	10≈35'53	20 Ω 38	21 궁 12	2) 15	2耳35	8 Ω 19	29 궁 13	11 る 28	15 る 14	20 M 14	28 궁 3	27 る 33	20 ∡ ³34	239510	T 31

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T 1	23 s 4	24n 8	1n21	20s11	3n 9	22 s27	1 s 1 7	21n56	2n20	17n51	0n41	21s 9	0s 9	23 s24	0s19	21 s54	0n47	3 s13	14n56	20 s33	20 s20	26s15	13n38	7 s35
W 2	22 59	20 30	0 s 1	20 12		22 14	1 18	21 57		17 53	0 41	21 8	0 9	23 24	0 19	21 54	0 47	3 13	14 57	20 33	20 21	26 15	13 38	7 35
T 3		15 39				22 1		21 57								21 54	0 47	-				26 15		7 35
F 4	22 48			20 20		21 47		21 58		17 57	0 41	_		23 23		21 54	0 47	-				26 15		7 35
S 5	22 42	4 9	3 36	20 26	2 52	21 33	1 22	21 59	2 22	17 59	0 42	21 4	0 9	23 23	0 19	21 54	0 47	3 13	14 58	20 33	20 23	26 15	13 40	7 35
S 6	22 35	1 s45	4 24	20 33		21 18	1 24	22 0	2 22		0 42	21 3	0 9	23 23		21 53	0 47	3 14	14 58	20 33	20 23	26 15	13 40	7 36
M 7	22 28	7 23		20 42					2 23	18 3	0 42			23 23		21 53	0 47	-				26 15	-	7 36
T 8	22 20	-		20 51		20 46	1 26		2 23	18 5	0 42			23 22		21 53	0 47					26 15		7 36
W 9	22 12	- , ,	5 16		2 21		1 27		2 23	18 7	0 42		0 9			21 53	0 47					26 15		7 36
T 10	22 4	20 55		21 11		20 11	1 28		2 23	18 9	0 43			23 22	0 19		0 47	3 14				26 15		7 36
F 11 S 12		23 48 25 38		21 21 21 31		19 53 19 35	1 29 1 29		2 23	18 11 18 13	0 43	20 57 20 55		23 22 23 21		21 52 21 52	0 47 0 47	3 14 3 14	-			26 15 26 15		7 36 7 36
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S 13	21 36			21 41		19 15		22 10		18 15		20 54		23 21		21 52	0 47	3 14				26 15		
M14	21 26			21 51	1 35			22 12			-	20 53		23 21		21 51	0 47	3 13				26 15		7 36
T 15 W16	21 15 21 4	24 6 21 18	1 20 0 14	-	1 26 1 17			22 14 22 17		18 20 18 22		20 51		23 20 23 20		21 51	0 47	3 13	-			26 15 26 14		
T 17		17 31		22 9 22 18	1 17	-		22 17		18 24		20 50 20 49		23 20		21 51 21 51	0 47 0 47	3 13 3 13				26 14		7 36 7 36
F 18		12 58		22 25		17 31		22 21		18 26	-	20 47		23 20		21 50	0 47	3 13	-			26 14		7 36
S 19	20 29			22 32		17 9		22 24		18 28		20 46		23 19		21 50	0 47	3 13	-			26 14		7 36
S 20	20 17	2 16	3 53	22 38	0.40	16 46	1 34	22 26	2 23	18 31	0 44	20 45	0 10	23 19	0.19	21 50	0 47	3 13	15 4	20. 34	20. 32	26 14	13 50	7 36
M21	20 4	3n28		22 43		-		22 29	2 23		-	20 43		23 19		21 50	0 47	3 13				26 14		7 36
T 22	19 50			22 47		15 59		22 32		18 35	0 45	20 42	0 10	23 19	0 19	21 49	0 47	3 13				26 14		7 36
W23	19 37	14 32	5 17	22 50	0 13	15 34	1 34	22 34	2 23	18 37	0 45	20 41	0 10	23 18	0 19	21 49	0 47	3 13	15 5	20 34	20 34	26 13	13 52	7 36
T 24	19 23	19 19	5 12	22 52	0 5	15 10	1 34	22 37	2 23	18 40	0 45	20 39	0 10	23 18	0 19	21 49	0 47	3 12	15 5	20 34	20 35	26 13	13 53	7 36
F 25		23 7		22 53		14 45		22 40		18 42		20 38		23 18		21 49	0 47	3 12				26 13		
S 26	18 54	25 34	4 7	22 53	0 12	14 19	1 34	22 43	2 22	18 44	0 45	20 36	0 10	23 18	0 19	21 49	0 47	3 12	15 6	20 34	20 36	26 13	13 54	7 36
S 27	18 38	26 19	3 8	22 51	0 19	13 53	1 34	22 46	2 22	18 46	0 45	20 35	0 10	23 17	0 19	21 48	0 47	3 12	15 7	20 33	20 37	26 13	13 55	7 36
M28	18 23	25 13		-	0 27	13 27		22 50	2 22		0 45	20 34	0 11	23 17	0 19	21 48	0 47	3 12	15 7	20 33	20 37	26 13	13 56	7 36
T 29		22 21		22 45	0 34	-		22 53				20 32	0 11			21 48	0 47	3 11				26 12		7 35
W30	17 51	-		22 40		12 34		22 56		18 53	0 46			23 16	-	21 48	0 47	3 11	-			26 12		
T 31	17 s35	12n41	2s 2	22 s34	0 s49	12s 7	1 s32	22n59	2n21	18n55	0n46	20 s30	0s11	23 s16	0 s 2 0	21 s47	0n47	3 s 1 1	15n 9	20 s33	20 s39	26s12	13n58	7 s35

Julian Day Number = 2448257.5, Delta T = 57.57 sec Ecliptic obliquity = 23°26'30, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'52$, Lahiri = $23^{\circ}43'53$

FEBRUARY 1991 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	R	Ω	Ç	ę,	Day
F 1	8 42 49	11≈36'47	4 Mp 52	22 る 39	3 ∺ 30	2∏54	8°R11	29중20	11 る 31	15 궁 16	20 M .15	28°R 1	27云30	20 × ⁷ 41	23°R 6	F 1
S 2	8 46 46	12°37'39	18°44	24° 7	4°44	3°12	8 N 3	29°27	11°35	15°18	20°15	27 る 59	27°26	20°48	2395 2	S 2
S 3	8 50 42	13°38'31	2 ₾ 12	25°35	5°59	3°31	7°55	29°34	11°38	15°20	20°16	27°57	27°23	20°54	22°58	S 3
M 4	8 54 39	14°39'22	15°15	27° 5	7°14	3°51	7°47	29°41	11°41	15°22	20°17	27°55	27°20	21° 1	22°54	M 4
T 5	8 58 35	15°40'12	27°55	28°35	8°28	4°10	7°40	29°48	11°44	15°24	20°17	27°53	27°17	21° 8	22°51	T 5
W 6	9 2 32	16°41'01	10 M .15	0≈ 6	9°43	4°31	7°32	29°55	11°47	15°26	20°18	27°52	27°14	21°14	22°47	W 6
T 7	9 6 28	17°41'50	22°21	1°38	10°57	4°51	7°24	0≈ 1	11°50	15°28	20°19	27°D52	27°11	21°21	22°43	T 7
F 8	9 10 25	18°42'37	4 √ 16	3°11	12°12	5°12	7°16	0° 8	11°53	15°30	20°19	27°53	27° 7	21°28	22°39	F 8
S 9	9 14 21	19°43'23	16° 5	4°44	13°26	5°33	7° 8	0°15	11°56	15°32	20°20	27°55	27° 4	21°34	22°36	S 9
S 10	9 18 18	20°44'09	27°54	6°19	14°41	5°55	7° 1	0°22	11°59	15°34	20°20	27°56	27° 1	21°41	22°32	S 10
M11	9 22 15	21°44'53	9 ප 46	7°54	15°55	6°17	6°53	0°29	12° 2	15°36	20°20	27°58	26°58	21°48	22°28	M11
T 12	9 26 11	22°45'36	21°46	9°30	17°10	6°39	6°46	0°36	12° 5	15°38	20°21	27°59	26°55	21°54	22°25	T 12
W13	9 30 8	23°46'18	3≈56	11° 7	18°24	7° 2	6°38	0°43	12° 8	15°40	20°21	27°R59	26°51	22° 1	22°22	W13
T 14	9 34 4	24°46'59	16°20	12°44	19°39	7°24	6°31	0°49	12°11	15°42	20°21	27°58	26°48	22° 8	22°18	T 14
F 15	9 38 1	25°47'38	28°57	14°23	20°53	7°48	6°24	0°56	12°14	15°44	20°22	27°55	26°45	22°14	22°15	F 15
S 16	9 41 57	26°48'16	11) (49	16° 2	22° 7	8°11	6°17	1° 3	12°17	15°45	20°22	27°51	26°42	22°21	22°12	S 16
S 17	9 45 54	27°48'52	24°55	17°42	23°21	8°35	6°10	1° 9	12°20	15°47	20°22	27°46	26°39	22°28	22° 9	S 17
M18	9 49 50	28°49'26	8 Υ 15	19°23	24°36	8°59	6° 3	1°16	12°22	15°49	20°22	27°41	26°36	22°34	22° 5	M18
T 19	9 53 47	29°49'59	21°47	21° 5	25°50	9°24	5°56	1°23	12°25	15°51	20°22	27°36	26°32	22°41	22° 2	T 19
W20	9 57 44	0 ¥ 50'30	5 8 30	22°48	27° 4	9°48	5°49	1°29	12°28	15°52	20°23	27°32	26°29	22°48	21°59	W20
T 21	10 140	1°50'59	19°23	24°31	28°18	10°13	5°43	1°36	12°31	15°54	20°23	27°30	26°26	22°54	21°57	T 21
F 22	10 5 37	2°51'27	3Ⅱ25	26°16	29°32	10°38	5°36	1°42	12°33	15°56	20°R23	27°D29	26°23	23° 1	21°54	F 22
S 23	10 9 33	3°51'52	17°34	28° 2	0 Υ 46	11° 4	5°30	1°49	12°36	15°58	20°23	27°30	26°20	23° 8	21°51	S 23
S 24	10 13 30	4°52'16	19549	29°48	2° 0	11°29	5°24	1°55	12°38	15°59	20°23	27°32	26°17	23°14	21°48	S 24
M25	10 17 26	5°52'37	16° 8	1) (36	3°14	11°55	5°18	2° 1	12°41	16° 1	20°22	27°33	26°13	23°21	21°46	M25
T 26	10 21 23	6°52'57	$0\Omega 28$	3°25	4°28	12°22	5°12	2° 8	12°43	16° 2	20°22	27°R33	26°10	23°28	21°43	T 26
W27	10 25 19	7°53'15	14°46	5°14	5°42	12°48	5° 6	2°14	12°46	16° 4	20°22	27°32	26° 7	23°34	21°41	W27
T 28	10 29 16	8 ¥ 53'31	28 N 56	7) 5	6 Ƴ 55	13 Ⅱ 14	5 Ω 0	2≈20	12 る 48	16 궁 6	20 M 22	27 る 29	26 궁 4	23 × 741	21939	T 28

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F 1	17 s18	6n47	3 s 1 0	22 s27	0s55	11 s39	1 s32	23n 3	2n21	18n57	0n46	20 s28	0s11	23 s16	0 s 2 0	21 s47	0n47	3 s11 15n	20 s34	20 s40	26s12	13n59	7 s35
S 2	17 1	0 42	4 5	22 18	1 2	11 11	1 31	23 6	2 21	19 0	0 46	20 27	0 11	23 16	0 20	21 47	0 47	3 10 15	20 34	20 40	26 11	14 0	7 35
S 3	16 44	5 s 1 4	4 45	22 8	1 8	10 43		23 9		-		20 25	0 11	23 15	0 20	21 47	0 47	3 10 15 1	20 34	20 41	26 11	14 1	7 34
M 4	16 26	10 45		21 57	1 14			23 13				20 24		23 15		21 46	0 47	3 10 15 1					
T 5	16 8	15 39		21 45	1 19			23 16			0 46			23 15		21 46	0 47	3 10 15 1			-	-	
W 6		19 47 22 59		21 31 21 16	1 25	9 17 8 48	1 28	23 20 23 23		19 8 19 10		20 21 20 20	0 11	23 15 23 14		21 46 21 46	0 47 0 47	3 9 15 1	20 35				7 34 7 33
F 8		25 10		20 59	1 35	-		23 27		19 12		20 18		23 14		21 45	0 47		2 20 35				
S 9	-	26 13		20 41	1 39			23 30		19 14		20 17		23 14		21 45	0 47	3 8 15 1					
S 10	14 35	26 4	2.38	20 22	1 43	7 19	1 24	23 34	2 18	19 16	0 47	20 16	0 11	23 14	0.20	21 45	0 47	3 8 15 1	3 20 35	20 45	26 9	14 7	7 32
M11		24 43	1 39	20 1	1 47	6 49	1 22			19 18	0 47			23 13		21 45	0 47	3 8 15 1					7 32
T 12	13 56	22 15	0 34	19 40	1 51	6 19	1 21	23 41	2 17	19 20	0 47	20 13	0 12	23 13	0 20	21 45	0 47	3 7 15 1	1 20 34	20 47	26 9	14 9	7 32
W13	13 36	18 44		19 16	1 54	5 48		23 44		19 22		20 11		23 13		21 44	0 47	3 7 15 1				14 10	7 31
T 14		14 22	1 39		1 57	5 18		23 48		19 24		20 10		23 13		21 44	0 47		5 20 34				7 31
F 15	12 55	9 19	2 42	-	2 0	4 47		23 51	-	19 26	0 47			23 12		21 44	0 47	3 6 15 1					7 30
S 16	12 35	3 47	3 37	17 58	2 2	4 16		23 54		19 28	0 47	20 7		23 12		21 44	0 47	3 6 15 1				14 12	7 30
S 17	12 14	2n 0	4 23		2 4		-	23 58		19 30				23 12		21 43	0 47	3 5 15 1				14 13	
M18 T 19	11 53	7 47		16 59			1 12		_	19 31	0 47			23 12		21 43	0 47		20 38			14 14	
W20	-	13 17 18 13	5 11 5 9	16 28 15 55	2 6 2 7	2 43 2 12	1 10 1 8	-		19 33 19 35	0 47 0 47			23 11 23 11		21 43 21 43	0 47 0 47	3 4 15 1				14 15 14 16	7 29 7 28
T 21	10 49			15 20	2 7	1 41		24 11		19 37	0 47			23 11		21 43	0 47		3 20 39			14 17	7 28
F 22		24 59		14 45	2 7	1 10		24 15		19 38		19 59		23 11		21 42	0 47	3 3 15 1				14 18	7 27
S 23	10 6	26 11	3 21	14 8	2 6	0 39	1 2	24 18	2 13	19 40	0 47	19 58	0 13	23 11	0 20	21 42	0 47	3 3 15 1	20 40	20 53	26 5	14 19	7 27
S 24	9 44	25 41	2 16	13 29	2 5	0 7	1 0	24 21	2 12	19 41	0 47	19 56	0 13	23 10	0 20	21 42	0 47	3 2 15 2	20 39	20 54	26 5	14 20	7 26
M25	9 21	23 29	1 2	12 49	2 3	0n24	0 58	24 24		19 43		19 55		23 10		21 42	0 47	3 2 15 2				14 20	7 26
T 26	8 59	19 48	0s16	12 8	2 1	0 55		24 27		19 44		19 54		23 10		21 42	0 47	3 1 15 2				14 21	7 25
W27				11 26	1 59			24 30		19 46		19 52		23 10		21 41	0 47	3 1 15 2				14 22	
T 28	8 s 1 4	9n19	2 s42	10 s42	1 s 5 6	1n58	0s51	24n33	2n11	19n47	0n47	19s51	0s13	23 s 9	0 s 2 0	21 s41	0n47	3 s 0 15n2	2 20 s40	20s56	26s 3	14n23	7 s24

Julian Day Number = 2448288.5, Delta T = 57.63 sec Ecliptic obliquity = $23^{\circ}26'30$, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}36'57$, Lahiri = $23^{\circ}43'57$

MARCH 1991 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	n	v	Ç	Ŷ,	Day
F 1	10 33 13	9) 53'44	12 m 54	8) 56	8 Υ 9	13 Ⅱ 41	4°R55	2≈26	12 る 50	16 ට 7	20°R22	27°R23	26ට 1	23 х 48	21°R36	F 1
S 2	10 37 9	10°53'57	26°36	10°48	9°23	14° 8	4Ω 50	2°32	12°53	16° 9	20 M 22	27 ට 16	25°57	23°54	219534	S 2
S 3	10 41 6	11°54'07	9 <u>0</u> 59	12°41	10°36	14°35	4°45	2°38	12°55	16°10	20°21	27° 9	25°54	24° 1	21°32	S 3
M 4	10 45 2	12°54'16	23° 1	14°36	11°50	15° 3	4°40	2°45	12°57	16°12	20°21	27° 1	25°51	24° 8	21°30	M 4
T 5	10 48 59	13°54'23	5 M .42	16°30	13° 3	15°31	4°35	2°51	12°59	16°13	20°21	26°54	25°48	24°14	21°28	T 5
W 6	10 52 55	14°54'29	18° 5	18°26	14°17	15°58	4°30	2°56	13° 2	16°14	20°20	26°48	25°45	24°21	21°26	W 6
T 7	10 56 52	15°54'33	0 ∡ 13	20°22	15°30	16°26	4°26	3° 2	13° 4	16°16	20°20	26°45	25°42	24°28	21°25	T 7
F 8	11 048	16°54'36	12° 9	22°19	16°44	16°54	4°21	3°8	13° 6	16°17	20°19	26°D43	25°38	24°34	21°23	F 8
S 9	11 4 45	17°54'37	23°59	24°16	17°57	17°23	4°17	3°14	13° 8	16°18	20°19	26°43	25°35	24°41	21°21	S 9
S 10	11 8 42	18°54'36	5 云 48	26°13	19°10	17°51	4°13	3°20	13°10	16°20	20°18	26°44	25°32	24°48	21°20	S 10
M11	11 12 38	19°54'34	17°42	28°10	20°23	18°20	4° 9	3°25	13°12	16°21	20°18	26°45	25°29	24°54	21°18	M11
T 12	11 16 35	20°54'30	29°44	0 Υ 6	21°37	18°49	4° 6	3°31	13°13	16°22	20°17	26°R45	25°26	25° 1	21°17	T 12
W13	11 20 31	21°54'24	12 ≈ 1	2° 3	22°50	19°18	4° 2	3°36	13°15	16°24	20°16	26°44	25°22	25° 8	21°16	W13
T 14	11 24 28	22°54'16	24°35	3°58	24° 3	19°47	3°59	3°42	13°17	16°25	20°16	26°41	25°19	25°14	21°15	T 14
F 15	11 28 24	23°54'07	7 ∺ 27	5°52	25°16	20°16	3°56	3°47	13°19	16°26	20°15	26°35	25°16	25°21	21°14	F 15
S 16	11 32 21	24°53'55	20°40	7°44	26°28	20°46	3°53	3°53	13°21	16°27	20°14	26°26	25°13	25°28	21°13	S 16
S 17	11 36 17	25°53'42	4Υ 11	9°35	27°41	21°15	3°51	3°58	13°22	16°28	20°14	26°16	25°10	25°34	21°12	S 17
M18	11 40 14	26°53'27	17°58	11°23	28°54	21°45	3°48	4° 3	13°24	16°29	20°13	26° 6	25° 7	25°41	21°11	M18
T 19	11 44 10	27°53'09	1 8 57	13° 8	0 8 7	22°15	3°46	4° 8	13°25	16°30	20°12	25°56	25° 3	25°48	21°11	T 19
W20	11 48 7	28°52'50	16° 4	14°49	1°19	22°45	3°44	4°14	13°27	16°31	20°11	25°48	25° 0	25°54	21°10	W20
T 21	11 52 4	29°52'28	0 П 14	16°27	2°32	23°15	3°42	4°19	13°28	16°32	20°10	25°42	24°57	26° 1	21°10	T 21
F 22	11 56 0	0 Υ 52'04	14°25	18° 0	3°45	23°46	3°40	4°24	13°30	16°33	20° 9	25°39	24°54	26° 8	21°10	F 22
S 23	11 59 57	1°51'38	28°33	19°28	4°57	24°16	3°38	4°28	13°31	16°34	20° 8	25°D38	24°51	26°14	21° 9	S 23
S 24	12 3 53	2°51'09	12939	20°52	6° 9	24°47	3°37	4°33	13°32	16°35	20° 7	25°38	24°48	26°21	21° 9	S 24
M25	12 7 50	3°50'38	26°40	22° 9	7°22	25°18	3°36	4°38	13°34	16°36	20° 6	25°R38	24°44	26°28	21°D 9	M25
T 26	12 11 46	4°50'05	10 Ω 37	23°21	8°34	25°48	3°35	4°43	13°35	16°36	20° 5	25°37	24°41	26°34	21° 9	T 26
W27	12 15 43	5°49'29	24°27	24°27	9°46	26°19	3°34	4°47	13°36	16°37	20° 4	25°34	24°38	26°41	21° 9	W27
T 28	12 19 39	6°48'52	8 Mp 10	25°25	10°58	26°50	3°34	4°52	13°37	16°38	20° 3	25°28	24°35	26°48	21°10	T 28
F 29	12 23 36	7°48'11	21°43	26°17	12°10	27°22	3°33	4°56	13°38	16°39	20° 2	25°20	24°32	26°54	21°10	F 29
S 30	12 27 33	8°47'29	5 ₾ 5	27° 3	13°22	27°53	3°33	5° 1	13°39	16°39	20° 1	25° 9	24°28	27° 1	21°10	S 30
S 31	12 31 29	9 ° 46'45	18 ≏ 12	27 Y 40	14834	28Ⅲ24	3°D33	5≈ 5	13 る 40	16 궁 40	20 M 0	24 궁 56	24중25	27 ×7 8	219511	S 31

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S 3 M 4 T 5	7 6 6 43 6 20	8 28 4 55 13 42 5 8 18 12 5 5	8 23 1 43 7 34 1 38 6 44 1 32	3 4 3 0 41 <mark>24</mark>	44 2 9		8 19 46 0 13	23 9 0 20		2 59 15 23 2 58 15 23 2 58 15 24	20 45 20	59 26 1	14 26 7 23 14 27 7 22 14 27 7 22
W 6 T 7 F 8	5 57 5 33	21 49 4 48 24 24 4 18 25 50 3 37	5 53 1 26 5 1 1 19 4 8 1 11	5 5 5 0 36 24 0 5 36 0 33 24	50 2 8	19 54 0 4 19 55 0 4	8 19 43 0 13 8 19 42 0 14	23 8 0 20 23 8 0 20	21 40 0 48 21 40 0 48 21 40 0 48 21 40 0 48	2 57 15 24 2 57 15 25 2 56 15 25	20 48 21 20 49 21	0 26 0	14 28 7 21 14 29 7 20
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M11 T 12 W13	3 36	23 5 0 49 19 57 0n16 15 54 1 21	1 25 0 45 0 30 0 35 0n26 0 25	8 8 0 19 25	1 2 6 3 2 5 5 2 5		8 19 36 0 14	23 7 0 20	21 39 0 48 21 39 0 48 21 39 0 48	2 55 15 26 2 54 15 27 2 53 15 27	20 48 21	3 25 57 4 25 57	14 34 7 17
T 14 F 15 S 16	2 49 2 25 2 2	11 4 2 24 5 40 3 20 0n 6 4 7	1 22 0 14 2 17 0 3 3 12 0n 9	9 37 0 10 25	7 2 4 9 2 4 10 2 3	20 2 0 4	7	23 7 0 20	21 39 0 48 21 39 0 48 21 38 0 48	2 53 15 28 2 52 15 28 2 52 15 28	20 50 21	5 25 56 5 25 56 6 25 55	14 35 7 16
S 17 M18 T 19 W20 T 21	0 50 0 27	5 58 4 42 11 41 5 1 16 52 5 2 21 12 4 45 24 17 4 11	5 1 0 33 5 53 0 46	3 11 4 0 1 25 5 11 33 0n 2 25 8 12 1 0 5 25	12 2 3 13 2 3 15 2 2 16 2 2 17 2 1	20 4 0 4 20 5 0 4 20 5 0 4	7 19 30 0 14 7 19 29 0 15 7 19 28 0 15 7 19 27 0 15 7 19 25 0 15	23 6 0 20 23 6 0 20 23 6 0 21	21 38 0 48 21 38 0 48	2 51 15 29 2 51 15 29 2 50 15 30 2 50 15 30 2 49 15 30	20 56 21 20 58 21 20 59 21	6 25 55 7 25 54 7 25 54 8 25 53 9 25 52	14 38 7 14 14 38 7 13
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M25 T 26 W27	1 32		10 29 2 0 11 6 2 11 11 40 2 22	0 14 18 0 21 <mark>25</mark> 14 44 0 24 <mark>25</mark>	21 1 59 21 1 59	20 7 0 4 20 7 0 4 20 7 0 4 20 7 0 4	7 19 21 0 15 7 19 20 0 15	23 6 0 21 23 5 0 21	21 37 0 48 21 37 0 48 21 37 0 48 21 37 0 48	2 47 15 31 2 47 15 32 2 46 15 32 2 46 15 32	21 1 21 21 1 21	11 25 50 11 25 50	14 42 7 10 14 42 7 9 14 43 7 9 14 44 7 8
T 28 F 29 S 30	2 42 3 6 3 29	5 20 3 25	12 11 2 32 12 39 2 41	2 15 36 0 31 25 16 2 0 34 25	22 1 58 22 1 57	20 7 0 4 20 7 0 4	7 19 18 0 16 7 19 17 0 16	23 5 0 21 23 5 0 21	21 37 0 48 21 37 0 48	2 45 15 33 2 44 15 33 2 44 15 33	21 3 21 21 4 21	13 25 48	14 44 7 7 14 45 7 7
S 31	3n52	11 s44 4 s59	13n24 2n57	7 16n51 0n41 <mark>25</mark>	122 1n56	20n 7 0n4	7 19s15 0s16	23 s 5 0 s21	21 s37 0n48	2 s43 15n34	21 s 9 21	s14 25 s46	14n46 7s 5

Julian Day Number = 2448316.5, Delta T = 57.68 sec Ecliptic obliquity = 23°26'30, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°37'01, Lahiri = 23°44'01

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F 5 12 51 12 14°42'34 19°59 29°R 1 20°32 1° 3 3°36 5°26 13°44 16°43 19°54 24°10 24° 9 27°41 21°15 F 5 6 12 55 8 15°41'39 1648 28°56 21°43 1°35 3°37 5°29 13°45 16°43 19°52 24° 8 24° 6 27°48 21°16 S 6 5 7 12 59 5 16°40'42 13°37 28°44 22°54 22° 7 3°38 5°33 13°46 16°44 19°51 24°D 7 24° 3 27°54 21°17 S 7 27°34 28°44 22°54 22° 7 3°38 5°33 13°46 16°44 19°51 24°D 7 24° 3 27°54 21°17 S 7 27° 3 28° 27 24° 5 2°39 3°40 5°37 13°46 16°44 19°51 24°D 7 24° 0 28° 1 21°19 M 1 27° 3 28° 27 24° 5 27° 39 3°40 5°37 13°46 16°44 19°45 24° 7 23°57 28° 8 21°20 T 1 21° 11 13 14 51 20°36'35 24′30 27° 1 27°38 4°16 3°45 5°48 13°48 16°45 19°47 24° 5 23°54 28°14 21°22 W1 13 14 51 20°36'35 24′30 27° 1 27°38 4°16 3°45 5°48 13°48 16°45 19°46 24° 0 23°50 28°21 21°23 T 1 13 14 51 20°36'35 24′30 28°52 28°49 4°48 3°48 5°51 13°48 16°45 19°44 23°33 23°47 28°28 21°25 F 1 21° 13 18 48 21°35′28 15°32 26°24 28°49 4°48 3°48 5°51 13°48 16°45 19°44 23°32 23°44 28°34 21°27 S 1 21° 13 24° 13° 13° 14° 14° 14° 14° 14° 14° 14° 14° 14° 14	W 3	12 43 19	12°44'20	25°57	28°51	18° 9	29°59	3°34	5°18	13°43	16°42	19°56	24°22	24°16	27°28	21°13	W 3
S 6 12 55 8 15°41'39 1₹48 28°56 21°43 1°35 3°37 5°29 13°45 16°43 19°52 24° 8 24° 6 27°48 21°16 S 6 S 7 12 59 5 16°40'42 13°37 28°44 22°54 2° 7 3°38 5°33 13°46 16°44 19°51 24° D 7 24° 3 27°54 21°17 S 7 18 6 58 18°38'42 7≈34 28°3 25°16 3°11 3°41 5°41 13°47 16°44 19°48 24° 7 23°57 28° 8 21°20 T 7 13 16 5 58 18°38'42 7≈34 28° 3 25°16 3°11 3°41 5°41 13°47 16°45 19°48 24° 7 23°57 28° 8 21°20 T 7 13 14 51 20°36'35 21€30 27° 1 27°38 4°16 3°45 5°48 13°47 16°45 19°47 24° 5 23°54 28°14 21°22 WI 7 13 14 51 20°36'35 21€30 27° 1 27°38 4°16 3°45 5°48 13°48 16°45 19°44 23°53 23°47 28°28 21°25 F 1 13 18 48 21°35'28 15°32 26°24 28°49 4°48 3°48 5°51 13°48 16°45 19°44 23°53 23°41 28°41 21°27 S 1 13 18 43 23°44 23°	T 4	12 47 15	13°43'28	8 . ₹ 3	28°59	19°20		3°35	5°22	13°44	16°42	19°55	24°15	24°13	27°34	21°14	T 4
S 7 12 59 5 16°40'42 13°37 28°44 22°54 2° 7 3°38 5°33 13°46 16°44 19°51 24° D 7 24° 3 27°54 21°17 S 7 M 8 13 3 2 17°39'43 25°30 28°27 24° 5 2°39 3°40 5°37 13°46 16°44 19°50 24° R 7 24° 0 28° 1 21°19 M 8 T 9 13 6 58 18°38'42 7≈34 28° 3 25°16 3°11 3°41 5°41 13°47 16°44 19°48 24° 7 23°57 28° 8 21°20 T 7 W10 13 10 55 19°37'39 19°52 27°34 26°27 3°43 3°41 5°44 13°47 16°45 19°47 24° 5 23°57 28° 8 21°12 21°23 T1 11 13 14 51 20°36'35 24*30 27° 1 27°34 3°48 3°48 5°51 13°48 16°45 19°46 24° 0 23°50 28°21 21°23 T1 S 13 13 22 44 22°34'20 28°58 25°44 29°59 5°1 3°50 </td <td>F 5</td> <td>12 51 12</td> <td>14°42'34</td> <td>19°59</td> <td>29°R 1</td> <td>20°32</td> <td>1° 3</td> <td>3°36</td> <td>5°26</td> <td>13°44</td> <td>16°43</td> <td>19°54</td> <td>24°10</td> <td>24° 9</td> <td>27°41</td> <td>21°15</td> <td>F 5</td>	F 5	12 51 12	14°42'34	19°59	29°R 1	20°32	1° 3	3°36	5°26	13°44	16°43	19°54	24°10	24° 9	27°41	21°15	F 5
M 8 13 3 2 17°39′43 25°30 28°27 24° 5 2°39 3°40 5°37 13°46 16°44 19°50 24°R 7 24° 0 28° 1 21°19 M 7 9 13 658 18°38′42 7≈34 28° 3 25°16 3°11 3°41 5°41 13°47 16°44 19°48 24° 7 23°57 28° 8 21°20 T 9 13 658 18°38′42 7≈34 26°27 3°43 3°43 5°44 13°47 16°44 19°48 24° 7 23°57 28° 8 21°20 T 9 11 13 14 51 20°36′35 2¥30 27° 1 27°38 4°16 3°45 5°48 13°48 16°45 19°47 24° 5 23°54 28°14 21°22 W 1 11 13 14 51 20°36′35 2¥30 27° 1 27°38 4°16 3°45 5°48 13°48 16°45 19°46 24° 0 23°50 28°21 21°23 T 1 11 13 14 51 20°36′35 2¥30 27° 1 27°38 4°16 3°45 5°48 13°48 16°45 19°46 24° 0 23°50 28°21 21°23 T 1 1 11 13 14 51 20°36′35 2¥50 28°21 21°23 T 1 1 11 13 14 51 20°36′35 2¥630 27° 1 27°38 4°16 3°48 5°41 13°48 16°45 19°46 24° 0 23°50 28°21 21°23 T 1 1 1 13 14 13 24 1 23°33′10 12°°47 25° 2 1 110 5°53 3°53 5°57 13°48 16°45 19°44 23°53 23°47 28°28 21°25 F 1 13°48 13 26°41 23°33′10 12°°47 25° 2 1 110 5°53 3°53 5°57 13°48 16°46 19°41 23°32 23°41 28°41 21°29 S 1 116 13 34 34 25°30′44 118′23 23°33 3°31 6°59 3°58 6° 0 13°49 16°46 19°38 23° 8 23° 8 23° 8 28° 84 21° 31 M 1 1 13 14 13 24 11 18′23 23°33 3°31 6°59 3°58 6° 0 13°49 16°46 19°38 23° 8 23° 8 23° 8 28° 84 21° 31 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	S 6	12 55 8	15°41'39	1 る 48	28°56	21°43	1°35	3°37	5°29	13°45	16°43	19°52	24° 8	24° 6	27°48	21°16	S 6
T 9 13 658 18°38'42 7≈34 28° 3 25°16 3°11 3°41 5°41 13°47 16°44 19°48 24° 7 23°57 28° 8 21°20 T 9 W10 13 10 55 19°37'39 19°52 27°34 26°27 3°43 3°43 5°44 13°47 16°45 19°46 24° 0 23°50 28°14 21°22 WII T 11 13 14 51 20°36'35 2%30 27° 1 27°38 4°16 3°45 5°44 13°48 16°45 19°46 24° 0 23°50 28°21 21°23 T1 F 12 13 18 48 21°375'28 15°32 26°24 28°49 4°48 3°48 5°51 13°48 16°45 19°40 23°32 23°47 28°28 21°25 F 1 S 13 13 22 44 22°34'20 28°58 25°44 29°59 5°21 3°50 5°54 13°48 16°45 19°43 23°34 28°34 21°25 F 1 S 14 13 26°41 23°33'10 12°47 25°2 1 III 0 3°53	S 7	12 59 5	16°40'42	13°37	28°44	22°54	2° 7	3°38	5°33	13°46	16°44	19°51	24°D 7	24° 3	27°54	21°17	S 7
W10		13 3 2		25°30		_		3°40						-			M 8
T11	T 9	13 6 58	18°38'42		28° 3	25°16	3°11	3°41		13°47	16°44	19°48		23°57	28° 8	-	T 9
F 12		13 10 55										19°47	-		-		W10
S 13 13 22 44 22°34'20 28°58 25°44 29°59 5°21 3°50 5°54 13°48 16°45 19°43 23°44 23°44 28°34 21°27 S 1. S 14 13 26 41 23°33'10 12°47 25° 2 1 II 10 5°53 3°53 5°57 13°48 16°46 19°41 23°32 23°41 28°41 21°29 S 1. M15 13 30 37 24°31'58 26°57 24°18 2°21 6°26 3°55 6° 0 13°49 16°46 19°40 23°20 23°38 28°48 21°31 MI T 16 13 34 34 25°30'44 118'23 23°33 3°31 6°59 3°58 6° 3 13°49 16°46 19°38 23° 8 23°34 28°54 21°33 T1 W17 13 38 31 26°29'29 25°56 22°49 4°41 7°32 4° 1 6° 6 13°49 16°46 19°37 22°59 23°31 29° 1 21°35 Y1							-						-		-	_	T 11
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W17 13 38 31 26°29'29 25°56 22°49 4°41 7°32 4° 1 6° 6 13°49 16°46 19°37 22°59 23°31 29° 1 21°35 W1 T18 13 42 27 27°28'11 10∏31 22° 6 5°51 8° 5 4° 5 6° 9 13°R49 16°46 19°35 22°51 23°28 29° 8 21°37 T1 F19 13 46 24 28°26'51 25° 1 21°25 7° 1 8°38 4° 8 6°12 13°49 16°R46 19°34 22°47 23°25 29°14 21°39 F1 S 20 13 50 20 29°25'29 9©23 20°46 8°11 9°11 4°12 6°15 13°49 16°R46 19°32 22°45 23°22 29°21 21°42 S 2 S 21 13 54 17 0♂24'04 23°32 20°11 9°21 9°44 4°16 6°17 13°49 16°R46 19°31 22°45 23°19 29°28 21°44 S 2 M22 13 58 13 1°22'37 7Ω29 19°39 10°31 10°18 4°20 6°20 13°49 16°46 19°29 22°45 23°15 29°34 21°47 M2 T 23 14 2 10 2°21'08 21°14 19°11 11°41 10°51 4°24 6°22 13°48 16°46 19°28 22°44 23°12 29°41 21°49 T2 W24 14 6 6 3°19'37 4™47 18°47 12°50 11°24 4°28 6°24 13°48 16°45 19°26 22°40 23° 9 29°47 21°52 W2 T 25 14 10 3 4°18'04 18° 8 18°28 13°59 11°58 4°33 6°27 13°48 16°45 19°25 22°35 23° 6 29°54 21°55 T2 F 26 14 14 0 5°16'28 1£18 18°13 15° 9 12°31 4°37 6°29 13°47 16°45 19°23 22°26 23° 3 0♂ 1 21°58 F2 S 27 14 17 56 6°14'51 14°17 18° 4 16°18 13° 5 4°42 6°31 13°47 16°45 19°20 22° 3 22°56 0°14 22° 4 S 2 S 28 14 21 53 7°13'11 27° 4 17°D59 17°27 13°39 4°47 6°33 13°47 16°45 19°20 22° 3 22°56 0°14 22° 4 S 2 M29 14 25 49 8°11'30 9™39 18° 0 18°36 14°12 4°52 6°34 13°46 16°44 19°18 21°50 22°53 0°21 22° 7 M2°										,						_	M15
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W10	7 41	12 46	2 12	13 22	2 57	20 33	1 13	25 15	1 52	20 5	0 47	19 7	0 17	23 5	0 21	21 36	0 48	2 37	15 36	21 18	21 20	25 40	14 51	6 59
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M15	9 30	15 3	5 0	11 19	2 2	22 5	1 29	25 6	1 49	20 2	0 46	19 3	0 17	23 5	0 21	21 36	0 48	2 35	15 37	21 25	21 22	25 36	14 53	6 55
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M22	11 57	17 9	1 17	7 50	0 9	23 49	1 49	24 48	1 46	19 55	0 46	18 59	0 18	23 5	0 21	21 35	0 48	2 31	15 38	21 31	21 26	25 31	14 55	6 51
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S 28	13 55	15 5	5 0	5 46	1 23	24 55	2 4	24 27	1 43	19 49	0 46	18 57	0 19	23 5	0 22	21 36	0 48	2 28	15 39	21 38	21 29	25 26	14 56	6 47
M29	14 14	19 14	4 47	5 35	1 36	25 3	2 7	24 23	1 43	19 47	0 46	18 56	0 19	23 5	0 22	21 36	0 48	2 28	15 39	21 40	21 30	25 25	14 56	6 46
T 30	14n33	22 s28	4 s20	5n25	1 s49	25n11	2n 9	24n19	1n42	19n46	0n46	18s56	0s19	23 s 5	0 s22	21 s36	0n48	$2\mathrm{s}27$	15n39	$21\mathrm{s}42$	$21\mathrm{s}31$	25 s24	14n56	6 s46

 $\label{eq:Julian Day Number = 2448347.5, Delta T = 57.75 sec} \\ Ecliptic obliquity = 23°26'30, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°37'05, Lahiri = 23°44'05 \\$

MAY 1991 00:00 UT

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F 3	14 41 35	12° 4'28	28° 4	18°50	23° 9	16°28	5°15	6°41	13°44	16°43	19°11	21°15	22°40	0°47	22°21	F 3
S 4	14 45 32	13° 2'38	9 ට 53	19°14	24°18	17° 2	5°20	6°42	13°43	16°42	19°10	21°13	22°37	0°54	22°25	S 4
S 5	14 49 29	14° 0'47	21°41	19°42	25°26	17°36	5°26	6°43	13°42	16°42	19° 8	21°D12	22°34	1° 1	22°28	S 5
M 6	14 53 25	14°58'55	3≈33	20°14	26°33	18°10	5°33	6°44	13°41	16°41	19° 6	21°13	22°31	1° 7	22°32	M 6
T 7	14 57 22	15°57'01	15°35	20°51	27°41	18°44	5°39	6°45	13°40	16°41	19° 5	21°R13	22°28	1°14	22°36	T 7
W 8	15 1 18	16°55'06	27°53	21°31	28°49	19°18	5°45	6°46	13°39	16°40	19° 3	21°12	22°25	1°21	22°40	W 8
T 9	15 5 15	17°53'09	10) (31	22°15	29°56	19°52	5°52	6°47	13°38	16°39	19° 1	21°10	22°21	1°27	22°44	T 9
F 10	15 9 11	18°51'11	23°33	23° 2	199 3	20°27	5°59	6°48	13°37	16°39	19° 0	21° 5	22°18	1°34	22°48	F 10
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S 12	15 17 4	20°47'10	20°59	24°47	3°17	21°35	6°13	6°49	13°35	16°37	18°56	20°50	22°12	1°47	22°56	S 12
M13	15 21 1	21°45'08	5 8 22	25°44	4°24	22°10	6°20	6°50	13°34	16°37	18°55	20°41	22° 9	1°54	23° 0	M13
T 14	15 24 58	22°43'05	20° 4	26°45	5°30	22°44	6°27	6°50	13°33	16°36	18°53	20°32	22° 5	2° 1	23° 5	T 14
W15	15 28 54	23°40'59	4 Ⅱ 58	27°48	6°36	23°19	6°35	6°50	13°32	16°35	18°51	20°24	22° 2	2° 7	23° 9	W15
T 16	15 32 51	24°38'53	19°55	28°55	7°43	23°53	6°42	6°50	13°30	16°34	18°50	20°19	21°59	2°14	23°14	T 16
F 17	15 36 47	25°36'45	49548	0 8 4	8°49	24°28	6°50	6°R51	13°29	16°33	18°48	20°16	21°56	2°21	23°18	F 17
S 18	15 40 44	26°34'35	19°28	1°15	9°54	25° 3	6°58	6°50	13°28	16°33	18°46	20°D15	21°53	2°27	23°23	S 18
S 19	15 44 40	27°32'23	3 Ω 52	2°30	11° 0	25°38	7° 6	6°50	13°26	16°32	18°45	20°15	21°50	2°34	23°27	S 19
M20	15 48 37	28°30'10	17°57	3°47	12° 5	26°12	7°14	6°50	13°25	16°31	18°43	20°16	21°46	2°41	23°32	M20
T 21	15 52 33	29°27'55	1 m 42	5° 6	13°10	26°47	7°22	6°50	13°23	16°30	18°41	20°R17	21°43	2°47	23°37	T 21
W22	15 56 30	0 Ⅲ 25'38	15° 9	6°28	14°15	27°22	7°30	6°49	13°22	16°29	18°40	20°16	21°40	2°54	23°42	W22
T 23	16 0 27	1°23'20	28°18	7°53	15°20	27°57	7°39	6°49	13°20	16°28	18°38	20°13	21°37	3° 0	23°47	T 23
F 24	16 4 23	2°21'00	11 ≏ 13	9°20	16°24	28°32	7°47	6°48	13°19	16°27	18°36	20° 7	21°34	3° 7	23°52	F 24
S 25	16 8 20	3°18'39	23°54	10°49	17°28	29° 7	7°56	6°48	13°17	16°26	18°35	20° 1	21°31	3°14	23°57	S 25
S 26	16 12 16	4°16'16	6M23	12°21	18°32	29°42	8° 5	6°47	13°15	16°25	18°33	19°53	21°27	3°20	24° 2	S 26
M27	16 16 13	5°13'52	18°41	13°55	19°36	$0\Omega17$	8°14	6°46	13°14	16°24	18°32	19°45	21°24	3°27	24° 7	M27
T 28	16 20 9	6°11'27	0 才 50	15°32	20°39	0°52	8°23	6°45	13°12	16°22	18°30	19°37	21°21	3°34	24°12	T 28
W29	16 24 6	7° 9'00	12°50	17°11	21°42	1°27	8°32	6°44	13°10	16°21	18°28	19°31	21°18	3°40	24°18	W29
T 30	16 28 2	8° 6'33	24°44	18°52	22°45	2° 3	8°41	6°43	13° 8	16°20	18°27	19°26	21°15	3°47	24°23	T 30
F 31	16 31 59	9Ⅱ 4'04	6 궁 33	20 8 36	239548	2Ω 38	$8\Omega50$	6≈41	13 る 6	16 ਰ 19	18 M 25	19 る 23	21중11	3 ⋜ 54	249529	F 31

decl decl lat 5 \$23\$ 14n56 684 5 \$23\$ 14 56 64 5 \$22\$ 14 56 64 5 \$21\$ 14 56 64 5 \$20\$ 14 56 64 5 \$19\$ 14 56 64 5 \$18\$ 14 56 64
5 23 14 56 6 4 5 22 14 56 6 4 5 21 14 56 6 4 5 20 14 56 6 4 5 19 14 56 6 4
5 22 14 56 6 4 5 21 14 56 6 4 5 20 14 56 6 4 5 19 14 56 6 4
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5 15 14 56 6 4 5 15 14 56 6 4
5 14 14 56 6 3
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5 12 14 55 6 3
5 11 14 55 6 3 5 10 14 55 6 3
4 59 14 51 6 3
4 58 14 51 6 3
4 57 14 51 6 3 4 56 14 50 6 3
4 s55 14n50 6 s3
2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2: 2

 $\label{eq:Julian Day Number = 2448377.5, Delta T = 57.81 sec} \\ Ecliptic obliquity = 23°26'29, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°37'09, Lahiri = 23°44'09} \\$

JUNE 1991 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	N.	v	Ç	Ŗ	Day
S 1	16 35 56	10耳 1'35	18 ට 21	22821	24950	3 Ω 13	9 N 0	6°R40	13°R 5	16°R18	18°R24	19°D22	21궁 8	4 る 0	24934	S 1
S 2	16 39 52	10°59'04	0≈ 9	24°10	25°52	3°48	9° 9	6≈38	13る 3	16 ට 17	18 M 22	19る23	21° 5	4° 7	24°40	S 2
M 3	16 43 49	11°56'33	12° 3	26° 0	26°54	4°24	9°19	6°37	13° 1	16°15	18°21	19°24	21° 2	4°14	24°45	M 3
T 4	16 47 45	12°54'01	24° 6	27°53	27°55	4°59	9°29	6°35	12°59	16°14	18°19	19°26	20°59	4°20	24°51	T 4
W 5	16 51 42	13°51'28	6 ∺ 23	29°48	28°56	5°34	9°38	6°33	12°57	16°13	18°18	19°27	20°56	4°27	24°56	W 5
T 6	16 55 38	14°48'54	18°59	1 II 46	29°57	6°10	9°48	6°32	12°55	16°11	18°16	19°R27	20°52	4°34	25° 2	T 6
F 7	16 59 35	15°46'20	1 Υ 58	3°45	0 Ω 57	6°45	9°58	6°30	12°53	16°10	18°15	19°26	20°49	4°40	25° 8	F 7
S 8	17 3 31	16°43'45	15°24	5°47	1°57	7°21	10° 8	6°28	12°51	16° 9	18°13	19°23	20°46	4°47	25°14	S 8
S 9	17 7 28	17°41'09	29°17	7°50	2°57	7°57	10°19	6°26	12°48	16° 7	18°12	19°20	20°43	4°54	25°20	S 9
M10	17 11 25	18°38'34	13 8 38	9°55	3°56	8°32	10°29	6°23	12°46	16° 6	18°11	19°15	20°40	5° 0	25°25	M10
T 11	17 15 21	19°35'57	28°23	12° 2	4°55	9° 8	10°39	6°21	12°44	16° 5	18° 9	19°11	20°37	5° 7	25°31	T 11
W12	17 19 18	20°33'20	13 Ⅱ 24	14°11	5°53	9°44	10°50	6°19	12°42	16° 3	18° 8	19° 8	20°33	5°13	25°37	W12
T 13	17 23 14	21°30'42	28°34	16°20	6°51	10°19	11° 0	6°16	12°40	16° 2	18° 7	19° 5	20°30	5°20	25°44	T 13
F 14	17 27 11	22°28'04	139542	18°31	7°49	10°55	11°11	6°14	12°38	16° 0	18° 5	19°D 4	20°27	5°27	25°50	F 14
S 15	17 31 7	23°25'24	28°39	20°42	8°46	11°31	11°21	6°11	12°35	15°59	18° 4	19° 4	20°24	5°33	25°56	S 15
S 16	17 35 4	24°22'44	13 N 20	22°54	9°43	12° 7	11°32	6° 9	12°33	15°57	18° 3	19° 5	20°21	5°40	26° 2	S 16
M17	17 39 1	25°20'03	27°38	25° 6	10°39	12°43	11°43	6° 6	12°31	15°56	18° 1	19° 7	20°17	5°47	26° 8	M17
T 18	17 42 57	26°17'21	11 m 32	27°18	11°35	13°18	11°54	6° 3	12°29	15°54	18° 0	19° 8	20°14	5°53	26°14	T 18
W19	17 46 54	27°14'38	25° 2	29°29	12°30	13°54	12° 5	6° 0	12°26	15°53	17°59	19°R 8	20°11	6° 0	26°21	W19
T 20	17 50 50	28°11'54	8 亚 9	19540	13°25	14°30	12°16	5°57	12°24	15°51	17°58	19° 8	20° 8	6° 7	26°27	T 20
F 21	17 54 47	29° 9'10	20°57	3°50	14°19	15° 6	12°27	5°54	12°22	15°50	17°57	19° 7	20° 5	6°13	26°33	F 21
S 22	17 58 43	09 6'25	3 M 28	5°59	15°13	15°42	12°38	5°51	12°19	15°48	17°56	19° 5	20° 2	6°20	26°40	S 22
S 23	18 2 40	1° 3'39	15°45	8° 7	16° 6	16°18	12°50	5°48	12°17	15°47	17°54	19° 2	19°58	6°27	26°46	S 23
M24	18 6 36	2° 0'52	27°52	10°13	16°58	16°55	13° 1	5°45	12°15	15°45	17°53	19° 0	19°55	6°33	26°53	M24
T 25	18 10 33	2°58'06	9 ∡ 750	12°17	17°50	17°31	13°12	5°41	12°12	15°44	17°52	18°57	19°52	6°40	26°59	T 25
W26	18 14 30	3°55'18	21°43	14°20	18°41	18° 7	13°24	5°38	12°10	15°42	17°51	18°55	19°49	6°47	27° 6	W26
T 27	18 18 26	4°52'31	3 云 32	16°21	19°32	18°43	13°35	5°34	12° 7	15°41	17°50	18°54	19°46	6°53	27°12	T 27
F 28	18 22 23	5°49'43	15°20	18°20	20°22	19°19	13°47	5°31	12° 5	15°39	17°49	18°D54	19°43	7° 0	27°19	F 28
S 29	18 26 19	6°46'55	27° 9	20°18	21°11	19°56	13°59	5°27	12° 3	15°37	17°48	18°54	19°39	7° 7	27°25	S 29
S 30	18 30 16	79544'07	9≈ 1	229513	21 Q 59	20£32	14 Ω 10	5≈24	12る 0	15 궁 36	17 M 47	18 궁 54	19 궁 36	7 궁 13	27932	S 30

Day	0	Ş)	ğ	i	ç)	С	7	2	ł	ħ	 ι);	ξ(,		E	2	v	v	Ç	Ł	5
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S 1	21n57	22 s17	0s 6	16n38	1 s47	23n42	2n35	20n51	1n27	18n43	0n44	18 s 5 8	0 s23	23 s10	0 s22	21 s38	0n49	2s17	15n36	22 s 3	21 s47	24 s54	14n49	6 s 3 0
S 2	22 6	19 10	0n58	17 14	1 38	23 30	2 34	20 43	1 27	18 41	0 44	18 59	0 23	23 10	0 22	21 38	0 49	2 17	15 35	22 2	21 47	24 53	14 49	6 29
M 3	_			17 50	1 28			20 34			0 44			23 11		21 39	0 49		15 35			24 52		6 29
T 4		10 41		18 26	1 18		-			18 36	0 44			23 11		21 39	0 49		15 35		-	24 51	-	6 28
W 5	22 28 22 35	5 37 0 13		19 1 19 35	1 7	22 49 22 35		20 16 20 6	1 26 1 25		0 44 0 44	-		23 11 23 11		21 39 21 39	0 49 0 49		15 35 15 34			24 50 24 49		6 28 6 28
F 7	22 41	5n21	4 58			22 20		19 57	1 25		0 44			23 11		21 39	0 49		15 34			24 48		6 27
S 8		-		20 42	0 35	-	-	19 47	1 24		0 44	-		23 12		21 39	0 49					24 46		6 27
S 9	22 52	16 1	5 8	21 13	0 24	21 48	2 22	19 38	1 24	18 22	0 44	19 3	0 24	23 12	0 22	21 40	0 49	2 16	15 33	22 3	21 51	24 45	14 44	6 26
M10		20 28	-	21 43		21 32	-		1 23		0 44	-	0 24	_		-	0 49	-	15 33	_	-	24 44		6 26
T 11	_	23 45		22 12	-	21 16			1 23		0 44	-	0 24	-			0 49	-	15 33		-	24 43	-	6 26
W12		25 27				20 59	-		1 22		0 44			23 13			0 49	2 16				24 42		6 25
T 13 F 14		25 16 23 14	1 50	23 3 23 26	0 19 0 29	-		18 58 18 48	1 22 1 21		0 44 0 44		0 24	23 13 23 13		21 40 21 40	0 49 0 49		15 32 15 32			24 41 24 40		6 25 6 25
S 15	23 17	-		23 46	0 29		-	-		18 8 18 5	0 44			23 13		21 40	0 49	-	15 32	_		24 40		6 24
S 16	23 19	14 45	2 10	24 4	0 49	19 47	2 2	18 27	1 20	18 2	0 44	19 8	0 24	23 13	0 23	21 41	0 49	2 16	15 31	22 5	21 54	24 38	14 39	6 24
M17	23 22	9 13	3 17	24 19	0 58	19 28	1 59	18 16		17 59	0 44			23 14		21 41	0 49		15 30			24 36		6 24
T 18	23 23	3 23	4 10	24 31	1 6	19 9	1 55	18 6	1 19	17 56	0 44	19 10	0 25	23 14	0 23	21 41	0 49	2 16	15 30	22 5	21 55	24 35	14 37	6 24
1	23 25	2 s 2 6	-	24 41	1 14					17 53	0 44			23 14		21 41	0 49		15 30			24 34		6 23
T 20	23 26		-	24 47	1 21	18 30				17 50	0 44			23 14		21 41	0 49		15 29			24 33		6 23
F 21	23 26	-		24 51	1 28		-	17 33		17 46	0 44			23 15	-	21 42	0 49		15 29	-		24 32		6 23
S 22	23 26	17 27	5 6	24 52	1 34	17 51	1 39	17 22	1 18	17 43	0 44	19 13		23 15		21 42	0 49	2 1/	15 28	22 5	21 5/	24 31	14 34	6 22
S 23	23 26	-		24 51	1 39		-	17 10		17 40	0 44	-		23 15		21 42	0 49		15 28	_		24 29		6 22
M24 T 25	23 26	-		24 46	1 44 1 47		1 29			17 37	0 44			23 15			0 49		15 28			24 28		6 22
	23 24 23 23		-	24 39 24 30	1 47	-		16 48 16 36		17 34 17 30		19 16 19 17		23 15 23 16		21 42 21 43	0 49 0 49	2 17	15 27 15 27			24 27 24 26		6 22 6 22
T 27	23 23			24 30	1 53			16 24		17 27		19 17		23 16		21 43	0 49	/	15 26			24 25		6 21
F 28	23 19		0 20		1 54	-		16 13		17 24		19 19		23 16		21 43	0 49	-	15 26	-		24 23		6 21
S 29	23 16	19 59	0n46	23 48	1 55	15 25	1 2	16 1	1 14	17 20	0 44	19 20	0 26	23 16	0 23	21 43	0 49	2 18	15 25	22 7	22 0	24 22	14 27	6 21
S 30	23n13	16s15	1n49	23n30	1n55	15n 4	0n56	15n49	1n14	17n17	0n44	19s21	0 s26	23 s17	0 s23	21 s43	0n49	2s18	15n25	22 s 6	22 s 1	24 s21	14n26	6 s21

Julian Day Number = 2448408.5, Delta T = 57.87 sec Ecliptic obliquity = $23^{\circ}26'28$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}37'13$, Lahiri = $23^{\circ}44'14$

JULY 1991 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	В	R	Ω	Ç	ķ	Day
M 1	18 34 12	8941'18	21≈ 0	2495 6	22Ω46	21 Ω 8	14Ω22	5°R20	11°R58	15°R34	17°R47	18 ට 55	19 ට 33	7 云 20	27939	M 1
T 2	18 38 9	9°38'30	3)(8	25°57	23°33	21°45	14°34	5 K20 5≈16	11 3 55	15 K34	17 K47	18°56	19°30	7°26	27°45	T 2
W 3	18 42 5	10°35'42	15°29	27°46	24°19	22°21	14°46	5°12	11°53	15°31	17°45	18°57	19°27	7°33	27°52	W 3
T 4	18 46 2	11°32'54	28° 6	29°33	25° 4	22°57	14°58	5° 9	11°50	15°29	17°44	18°58	19°23	7°40	27°59	T 4
F 5	18 49 59	12°30'06	11 ° 3	1Ω18	25°48	23°34	15°10	5° 5	11°48	15°28	17°43	18°R58	19°20	7°46	28° 5	F 5
S 6	18 53 55	13°27'18	24°24	3° 1	26°31	24°10	15°22	5° 1	11°46	15°26	17°42	18°58	19°17	7°53	28°12	S 6
S 7	18 57 52	14°24'31	8 8 9	4°42	27°13	24°47	15°34	4°57	11°43	15°24	17°42	18°57	19°14	8° 0	28°19	S 7
M 8	19 1 48	15°21'44	22°20	6°20	27°55	25°24	15°46	4°53	11°41	15°23	17°41	18°57	19°11	8° 6	28°26	M 8
T 9	19 5 45	16°18'58	6耳55	7°57	28°35	26° 0	15°58	4°49	11°38	15°21	17°40	18°57	19° 8	8°13	28°33	T 9
W10	19 941	17°16'12	21°48	9°31	29°14	26°37	16°11	4°45	11°36	15°20	17°40	18°56	19° 4	8°20	28°39	W10
T 11	19 13 38	18°13'26	6955	11° 3	29°52	27°14	16°23	4°40	11°34	15°18	17°39	18°56	19° 1	8°26	28°46	T 11
F 12	19 17 34	19°10'41	22° 5	12°34	0 m 29	27°50	16°35	4°36	11°31	15°16	17°39	18°56	18°58	8°33	28°53	F 12
S 13	19 21 31	20° 7'55	7 Ω 9	14° 2	1° 5	28°27	16°48	4°32	11°29	15°15	17°38	18°56	18°55	8°40	29° 0	S 13
S 14	19 25 28	21° 5'10	21°59	15°27	1°39	29° 4	17° 0	4°28	11°26	15°13	17°38	18°56	18°52	8°46	29° 7	S 14
M15	19 29 24	22° 2'25	6Mp29	16°51	2°12	29°41	17°12	4°23	11°24	15°12	17°37	18°56	18°49	8°53	29°14	M15
T 16	19 33 21	22°59'40	20°33	18°12	2°44	0 m /18	17°25	4°19	11°22	15°10	17°37	18°56	18°45	9° 0	29°21	T 16
W17	19 37 17	23°56'55	4 ≏ 10	19°32	3°14	0°54	17°37	4°15	11°19	15° 8	17°36	18°55	18°42	9° 6	29°28	W17
T 18	19 41 14	24°54'10	17°22	20°48	3°43	1°31	17°50	4°10	11°17	15° 7	17°36	18°55	18°39	9°13	29°35	T 18
F 19	19 45 10	25°51'25	0 M _10	22° 3	4°10	2° 8	18° 3	4° 6	11°15	15° 5	17°35	18°D55	18°36	9°20	29°41	F 19
S 20	19 49 7	26°48'40	12°38	23°15	4°36	2°45	18°15	4° 2	11°12	15° 4	17°35	18°55	18°33	9°26	29°48	S 20
S 21	19 53 3	27°45'56	24°50	24°24	5° 0	3°22	18°28	3°57	11°10	15° 2	17°35	18°56	18°29	9°33	29°55	S 21
M22	19 57 0	28°43'12	6 ₹ 51	25°31	5°22	3°59	18°41	3°53	11°8	15° 0	17°35	18°57	18°26	9°39	0Ω 2	M22
T 23	20 0 57	29°40'28	18°43	26°35	5°43	4°36	18°53	3°48	11° 5	14°59	17°34	18°58	18°23	9°46	0° 9	T 23
W24	20 4 53	0 Ω 37'45	0 궁 32	27°37	6° 2	5°14	19° 6	3°44	11° 3	14°57	17°34	18°59	18°20	9°53	0°16	W24
T 25	20 8 50	1°35'02	12°20	28°36	6°19	5°51	19°19	3°39	11° 1	14°56	17°34	18°59	18°17	9°59	0°23	T 25
F 26	20 12 46	2°32'19	24° 9	29°31	6°33	6°28	19°32	3°35	10°59	14°54	17°34	18°R59	18°14	10° 6	0°30	F 26
S 27	20 16 43	3°29'38	6≈ 3	0 Mp 24	6°46	7° 5	19°45	3°31	10°57	14°53	17°34	18°59	18°10	10°13	0°37	S 27
S 28	20 20 39	4°26'56	18° 4	1°13	6°57	7°42	19°58	3°26	10°54	14°51	17°34	18°57	18° 7	10°19	0°44	S 28
M29	20 24 36	5°24'16	0 ∺ 13	1°59	7° 6	8°20	20°10	3°22	10°52	14°50	17°D34	18°55	18° 4	10°26	0°51	M29
T 30	20 28 32	6°21'37	12°32	2°41	7°13	8°57	20°23	3°17	1 <u>0°</u> 50	1 <u>4</u> °48	17°34	1 <u>8</u> °53	1 <u>8</u> ° 1	1 <u>0</u> °33	0°58	T 30
W31	20 32 29	7Ω 18'58	25 米 4	3 m 20	7 m) 17	9 ₥ 34	20 Ω 36	3 ≈ 13	10 る 48	14 궁 47	17 M 34	18 궁 50	17 云 58	10 궁 39	1 0 5	W31

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	decl	decl lat	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1 T 2	23n 9 23 5		-	23n10 22 48	1n54 1 53	-		15n37 15 24		17n14 17 10		19 s22 19 23		23 s17 23 17		21 s43 21 44	0n49 0 49		15n25 15 24		22 s 1 5 22 1	24 s20 24 18		6 s20 6 20
W 3 T 4	23 1 22 56	3n47 4	4 57	22 25 22 1	1 51 1 48		0 30	15 12 15 0	1 12 1 12	17 3	0 44 0 44	19 25	0 26	23 17 23 18	0 23	21 44	0 49 0 49	2 19	15 24 15 23	22 6	22 2	24 17 24 16	14 21	6 20 6 20
F 5 S 6	22 51 22 46		5 15 5 16		1 45 1 41	13 16 12 55	0 22 0 15	14 47 14 35	1 11 1 11	17 0 16 56	0 44 0 44			23 18 23 18		21 44 21 44	0 49 0 49		15 23 15 22			24 15 24 13		6 20 6 20
S 7 M 8 T 9 W10	22 40 22 33 22 27 22 20	22 38 4 24 58 3	4 25 3 33	20 39 20 10 19 40 19 10	1 37 1 32 1 26 1 20	12 12 11 50	0s 0 0 8	14 22 14 9 13 56 13 43	1 10 1 9	16 52 16 49 16 45 16 42	0 44	19 30	0 27 0 27	23 18 23 18 23 19 23 19	0 23 0 23	21 45 21 45 21 45 21 45	0 49 0 49 0 49 0 49	2 20 2 20	15 22 15 21 15 21 15 20	22 6 22 6	22 4 5 22 5	24 12 24 11 24 10 24 8	14 17	6 19 6 19 6 19 6 19
T 11 F 12	22 12	24 22 1 21 21 (1 6 0s17	18 38 18 6 17 34	1 14 1 7 0 59	11 7 10 46	0 25	13 30 13 17	1 8 1 8 1 7	16 38	0 44 0 44	19 32	0 27 0 27	23 19 23 19 23 20	0 23 0 23	21 45 21 46 21 46	0 49 0 49 0 49	2 21 2 22	15 20 15 19 15 19	22 6 22 6	22 5 22 6	24 7 24 6	14 13 14 12 14 11	6 19 6 19 6 19
S 14 M15 T 16 W17 T 18 F 19 S 20	21 47 21 38 21 29 21 19 21 9 20 59 20 48	5 30 3 0 s 32 4 6 21 5 11 42 5 16 23 5	4 40 5 7 5 18 5 12	17 1 16 28 15 55 15 21 14 48 14 15 13 42	0 51 0 43 0 34 0 25 0 15 0 5 0s 5	10 4 9 44 9 23 9 3 8 43 8 23 8 4	1 12 1 22 1 32 1 43	12 51 12 37 12 24 12 10 11 57 11 43 11 29	1 7 1 7 1 6 1 6 1 5 1 5 1 4	16 23 16 19 16 15 16 12 16 8	0 44 0 44 0 44 0 44 0 44 0 44	19 38 19 39 19 40 19 41	0 28 0 28 0 28 0 28 0 28	23 20 23 20 23 20 23 20 23 21 23 21 23 21	0 23 0 23 0 23 0 23 0 23		0 49 0 49 0 49 0 49 0 49 0 49	2 23 2 23 2 23 2 24 2 24	15 18 15 17 15 17 15 16 15 16 15 15 15 15	22 6 22 6 22 6 22 6 22 6	5 22 7 5 22 8 5 22 8 6 22 9 6 22 9	23 58	14 9 14 8 14 7 14 5 14 4 14 3 14 1	6 19 6 19 6 19 6 18 6 18 6 18
S 21 M22 T 23 W24 T 25 F 26 S 27	19 49 19 36	24 57 3 25 37 2 25 7 1 23 29 0 20 49 0	3 33 2 40 1 41 0 37 0n29	13 9 12 36 12 4 11 32 11 1 10 30 10 1	0 16 0 27 0 38 0 49 1 1 1 13 1 25	7 45 7 26 7 8 6 50 6 33 6 16 6 0	2 16 2 27 2 39 2 51	11 16 11 2 10 48 10 34 10 19 10 5 9 51	1 4 1 3 1 3 1 2 1 2 1 1 1 1	15 52 15 48	0 45 0 45	19 44 19 46 19 47 19 48	0 28 0 28 0 28 0 28 0 29	23 21 23 21 23 22 23 22 23 22 23 22 23 22 23 22	0 23 0 23 0 23 0 23 0 23	21 47 21 48 21 48 21 48 21 48 21 48 21 48	0 49 0 49 0 49 0 49 0 49 0 49 0 48	2 26 2 26 2 27 2 27 2 28	15 14 15 14 15 13 15 13 15 12 15 11 15 11	22 6 22 6 22 6 22 6 22 6	5 22 10 5 22 11 5 22 11 6 22 12 5 22 12	23 54 23 52 23 51 23 50 23 48 23 47 23 46	13 59 13 57 13 56 13 54 13 53	6 18 6 18 6 18 6 18 6 18 6 18 6 18
S 28 M29 T 30 W31	19 9 18 55 18 41 18n27	8 8 3 2 56 4	2 34 3 29 4 14 4n49	9 32 9 4 8 37 8n12	1 37 1 49 2 2 2s14	5 44 5 29 5 15 5n 1	3 28 3 40 3 53 4s 6	9 37 9 22 9 8 8n53	1 0 0 59	15 32 15 28 15 24 15n20	0 45 0 45	19 51 19 52 19 54 19 s55	0 29 0 29	23 22 23 23 23 23 23 s23	0 23 0 23	21 49 21 49 21 49 21 s49	0 48 0 48 0 48 0n48	2 29 2 30		22 6 22 7	22 13 22 14	23 44 23 43 23 41 23 s40	13 49 13 47	6 18 6 18 6 18 6 s18

 $\label{eq:Julian Day Number = 2448438.5, Delta T = 57.93 sec} \\ Ecliptic obliquity = 23°26'28, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°37'17, Lahiri = 23°44'18 \\$

AUGUST 1991 00:00 UT

Day	Sid.t	\odot	D	φ	φ	♂	24	ħ)ұ(并	Р	ß	Ω	Ç	Š	Day
T 1	20 36 26	8 Ω 16′20	7 Υ 50	3 m 55	7°R19	10 m)12	20 Ω 49	3°R 8	10°R46	14°R45	17 M 34	18°R48	17 궁 55	10 궁 46	1 Ω 12	T 1
F 2	20 40 22	9°13'44	20°51	4°25	7 m)19	10°49	21° 2	3≈ 4	10 ට 44	14 궁 44	17°34	18 궁 46	17°51	10°53	1°19	F 2
S 3	20 44 19	10°11'08	4811	4°52	7°17	11°27	21°15	2°59	10°42	14°42	17°34	18°D45	17°48	10°59	1°26	S 3
S 4	20 48 15	11° 8'34	17°50	5°14	7°12	12° 4	21°28	2°55	10°40	14°41	17°34	18°45	17°45	11° 6	1°33	S 4
M 5	20 52 12	12° 6'01	1 II 49	5°32	7° 5	12°42	21°41	2°51	10°38	14°40	17°35	18°46	17°42	11°12	1°40	M 5
T 6	20 56 8	13° 3'30	16° 8	5°44	6°55	13°19	21°54	2°46	10°36	14°38	17°35	18°47	17°39	11°19	1°47	T 6
W 7	21 0 5	14° 1'00	09୍ଦ45	5°52	6°43	13°57	22° 7	2°42	10°34	14°37	17°35	18°48	17°35	11°26	1°54	W 7
T 8	21 4 1	14°58'31	15°35	5°R55	6°29	14°35	22°20	2°38	10°32	14°35	17°36	18°R49	17°32	11°32	2° 0	T 8
F 9	21 7 58	15°56'03	0Ω 32	5°52	6°12	15°12	22°34	2°33	10°30	14°34	17°36	18°49	17°29	11°39	2° 7	F 9
S 10	21 11 55	16°53'36	15°28	5°44	5°54	15°50	22°47	2°29	10°29	14°33	17°36	18°47	17°26	11°46	2°14	S 10
S 11	21 15 51	17°51'10	0 m 15	5°30	5°33	16°28	23° 0	2°25	10°27	14°32	17°37	18°44	17°23	11°52	2°21	S 11
M12	21 19 48	18°48'46	14°46	5°12	5° 9	17° 6	23°13	2°21	10°25	14°30	17°37	18°40	17°20	11°59	2°28	M12
T 13	21 23 44	19°46'22	28°55	4°47	4°44	17°43	23°26	2°16	10°23	14°29	17°38	18°35	17°16	12° 6	2°35	T 13
W14	21 27 41	20°43'59	12 ≏ 38	4°18	4°17	18°21	23°39	2°12	10°22	14°28	17°38	18°31	17°13	12°12	2°41	W14
T 15	21 31 37	21°41'37	25°55	3°44	3°48	18°59	23°52	2° 8	10°20	14°27	17°39	18°27	17°10	12°19	2°48	T 15
F 16	21 35 34	22°39'17	8 M .46	3° 5	3°17	19°37	24° 5	2° 4	10°18	14°25	17°39	18°25	17° 7	12°26	2°55	F 16
S 17	21 39 30	23°36'57	21°15	2°22	2°44	20°15	24°19	2° 0	10°17	14°24	17°40	18°D24	17° 4	12°32	3° 2	S 17
S 18	21 43 27	24°34'38	3 ₹ 26	1°35	2°11	20°53	24°32	1°56	10°15	14°23	17°41	18°24	17° 1	12°39	3° 8	S 18
M19	21 47 24	25°32'21	15°25	0°46	1°36	21°31	24°45	1°52	10°14	14°22	17°41	18°26	16°57	12°46	3°15	M19
T 20	21 51 20	26°30'04	27°16	29 Ω 55	1° 0	22° 9	24°58	1°49	10°13	14°21	17°42	18°27	16°54	12°52	3°22	T 20
W21	21 55 17	27°27'49	9 ට 3	29° 3	0°23	22°47	25°11	1°45	10°11	14°20	17°43	18°29	16°51	12°59	3°28	W21
T 22	21 59 13	28°25'35	20°52	28°10	29 Ω 46	23°26	25°24	1°41	10°10	14°19	17°44	18°R29	16°48	13° 5	3°35	T 22
F 23	22 3 10	29°23'22	2≈46	27°19	29° 9	24° 4	25°37	1°37	10° 8	14°18	17°44	18°28	16°45	13°12	3°42	F 23
S 24	22 7 6	0 m 21'10	14°48	26°30	28°32	24°42	25°50	1°34	10° 7	14°17	17°45	18°25	16°41	13°19	3°48	S 24
S 25	22 11 3	1°18'59	27° 0	25°44	27°54	25°20	26° 4	1°30	10° 6	14°16	17°46	18°20	16°38	13°25	3°55	S 25
M26	22 14 59	2°16'51	9 ∺ 24	25° 2	27°18	25°59	26°17	1°27	10° 5	14°15	17°47	18°13	16°35	13°32	4° 1	M26
T 27	22 18 56	3°14'43	22° 0	24°25	26°42	26°37	26°30	1°23	10° 4	14°14	17°48	18° 6	16°32	13°39	4° 8	T 27
W28	22 22 53	4°12'37	4 Υ50	23°55	26° 7	27°15	26°43	1°20	10° 2	14°13	17°49	17°58	16°29	13°45	4°14	W28
T 29	22 26 49	5°10'33	17°52	23°30	25°33	27°54	26°56	1°16	10° 1	14°12	17°50	17°50	16°26	13°52	4°21	T 29
F 30	22 30 46	6° 8'31	18 7	23°14	25° 1	28°32	27° 9	1°13	10° 0	14°11	17°51	17°44	16°22	13°59	4°27	F 30
S 31	22 34 42	7 Mg 6'30	14835	23 N 5	24 \O 30	29 m 11	27 £ 22	1≈10	9 궁 59	14 궁 10	17 M 52	17 云 40	16 ਰ 19	14궁 5	4 Ω 33	S 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1 F 2 S 3	18n12 17 57 17 42	7n51 5n10 13 0 5 15 17 41 5 4	7 25 2 39	4 36 4 32	8n39 0n58 8 24 0 58 8 9 0 57	15 12 0 45	19 57 0 29	23 23 0 23	21 s49 0n48 21 50 0 48 21 50 0 48		22 s 7 22 s 15 22 8 22 15 22 8 22 15		13 42 6 19
S 4 M 5 T 6 W 7 T 8 F 9	-	24 18 3 51 25 33 2 50 25 4 1 38 22 50 0 18 19 0 1s 4	6 27 3 16 6 11 3 28 5 58 3 39 5 46 3 50 5 38 4 1	4 5 5 12 3 56 5 25 3 48 5 38 3 41 5 51 3 35 6 4	7 25 0 56 7 10 0 55 6 55 0 55 6 40 0 54	14 59 0 45 14 55 0 45 14 51 0 45 14 47 0 45 14 43 0 45	20 0 0 29 20 1 0 29 20 2 0 30 20 3 0 30 20 4 0 30	23 24 0 23 23 24 0 23	21 50 0 48 21 50 0 48 21 51 0 48 21 51 0 48	2 33 15 6 2 34 15 5 2 34 15 5 2 35 15 4 2 36 15 4	22 8 22 16 22 7 22 17 22 7 22 17 22 7 22 17 22 7 22 18	23 32 23 30 23 29 23 27	13 38 6 19 13 36 6 19 13 35 6 19 13 33 6 19 13 31 6 19
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17	15 46 15 29 15 11 14 53 14 35 14 17 13 58 13 39		5 28 4 19 5 28 4 27 5 30 4 34 5 36 4 39 5 44 4 43 5 56 4 46	3 27 6 29 3 24 6 41 3 22 6 52 3 21 7 4 3 22 7 14 3 23 7 24	6 10 0 53 5 54 0 53	14 17 0 46 14 13 0 46	20 6 0 30 20 7 0 30 20 8 0 30 20 9 0 30 20 10 0 30 20 11 0 30	23 25 0 23 23 25 0 23		2 37 15 2 2 38 15 2 2 38 15 1 2 39 15 1 2 40 15 0 2 40 15 0	-	23 24 23 23 23 21 23 20 23 18 23 17	13 28 6 20 13 27 6 20 13 25 6 20 13 23 6 20 13 22 6 20 13 20 6 20
S 18 M19 T 20 W21 T 22 F 23 S 24	13 20 13 1 12 41 12 21 12 1 11 41	24 28 3 41 25 28 2 51 25 18 1 53	6 27 4 46 6 47 4 43 7 9 4 39 7 33 4 33 7 58 4 24 8 25 4 14	3 30 7 42 3 34 7 50 3 40 7 58 3 47 8 4 3 54 8 10 4 2 8 14	4 22 0 50 4 7 0 49	14 4 0 46 14 0 0 46 13 55 0 46 13 51 0 46 13 47 0 46 13 42 0 46	20 13 0 30 20 14 0 30 20 15 0 30 20 16 0 31 20 17 0 31 20 18 0 31	23 25 0 23 23 26 0 23	21 52 0 48 21 52 0 48 21 52 0 48	2 42 14 59 2 43 14 58 2 43 14 57 2 44 14 57 2 45 14 56 2 46 14 56	22 11 22 22 22 10 22 22 22 10 22 22 22 10 22 23 22 10 22 23 22 10 22 23 22 10 22 24 22 10 22 24	23 14 23 12 23 11 23 9 23 8 23 6	13 17 6 21 13 15 6 21 13 13 6 21 13 12 6 21 13 10 6 22
S 25 M26 T 27 W28 T 29 F 30 S 31	9 16	11 45 5 8 16 32 5 0	9 49 3 34 10 16 3 18 10 42 3 1	4 31 8 23 4 42 8 24 4 53 8 24 5 5 8 24 5 17 8 22	2 18 0 46 2 2 0 45 1 46 0 45 1 31 0 44 1 15 0 44	13 29 0 46 13 25 0 47 13 20 0 47 13 16 0 47 13 12 0 47	20 20 0 31 20 21 0 31 20 22 0 31 20 23 0 31 20 24 0 31	23 26 0 23 23 26 0 23 23 26 0 23 23 26 0 23 23 27 0 23	21 53 0 48 21 53 0 48 21 53 0 48 21 54 0 48 21 54 0 48 21 54 0 48 21 54 0 048	2 48 14 54 2 49 14 54 2 49 14 53 2 50 14 52 2 51 14 52	22 11 22 24 22 12 22 25 22 13 22 25 22 14 22 25 22 15 22 26 22 16 22 26 22 s17 22 s27	23 2 23 0 22 58 22 57 22 55	12 58 6 23 12 56 6 24

Julian Day Number = 2448469.5, Delta T = 57.99 sec Ecliptic obliquity = 23°26′28, Nutation = $0^\circ00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^\circ37'22$, Lahiri = $23^\circ44'22$

SEPTEMBER 1991 00:00 UT

JLI	LINDLIN	1													00.0	0 0 1
Day	Sid.t	0	D	ğ	P	ð	4	ħ)ţ(并	В	S.	v	Ç	ķ	Day
S 1	22 38 39	8 mg 4'32	28815	23°D 4	24°R 1	29 m 49	27 Ω 35	1°R 7	9°R59	14°R 9	17 M 53	17°R38	16 궁 16	14 궁 12	4 Ω 40	S 1
M 2	22 42 35	9° 2'35	12 II 9	23 Ω 11	$23\Omega 33$	0 <u>ჲ</u> 28	27°48	1≈ 4	9 궁 58	14 る 9	17°55	17°D37	16°13	14°19	4°46	M 2
T 3	22 46 32	10° 0'41	26°15	23°27	23° 8	1° 7	28° 1	1° 1	9°57	14° 8	17°56	17 云 38	16°10	14°25	4°52	T 3
W 4	22 50 28	10°58'48	10933	23°52	22°45	1°45	28°14	0°58	9°56	14° 7	17°57	17°R39	16° 6	14°32	4°58	W 4
T 5	22 54 25	11°56'57	25° 1	24°25	22°24	2°24	28°27	0°55	9°55	14° 7	17°58	17°39	16° 3	14°38	5° 4	T 5
F 6	22 58 22	12°55'09	9 Ω 36	25° 6	22° 5	3° 3	28°40	0°52	9°55	14° 6	17°59	17°37	16° 0	14°45	5°11	F 6
S 7	23 2 18	13°53'22	24°11	25°55	21°49	3°42	28°53	0°50	9°54	14° 5	18° 1	17°33	15°57	14°52	5°17	S 7
S 8	23 6 15	14°51'37	8 m 42	26°51	21°35	4°20	29° 6	0°47	9°53	14° 5	18° 2	17°26	15°54	14°58	5°23	S 8
M 9	23 10 11	15°49'53	23° 2	27°55	21°23	4°59	29°18	0°45	9°53	14° 4	18° 3	17°17	15°51	15° 5	5°29	M 9
T 10	23 14 8	16°48'12	7 ♀ 3	29° 6	21°14	5°38	29°31	0°42	9°52	14° 4	18° 5	17° 8	15°47	15°12	5°34	T 10
W11	23 18 4	17°46'32	20°44	0 Mp 22	21° 7	6°17	29°44	0°40	9°52	14° 3	18° 6	16°58	15°44	15°18	5°40	W11
T 12	23 22 1	18°44'53	4 ™ 0	1°45	21° 3	6°56	29°57	0°38	9°51	14° 3	18° 8	16°49	15°41	15°25	5°46	T 12
F 13	23 25 57	19°43'17	16°52	3°12	21°D 1	7°35	0 m 10	0°35	9°51	14° 2	18° 9	16°42	15°38	15°32	5°52	F 13
S 14	23 29 54	20°41'42	29°22	4°44	21° 1	8°14	0°22	0°33	9°51	14° 2	18°11	16°38	15°35	15°38	5°58	S 14
S 15	23 33 51	21°40'09	11 × 34	6°20	21° 3	8°53	0°35	0°31	9°51	14° 1	18°12	16°36	15°32	15°45	6° 3	S 15
M16	23 37 47	22°38'37	23°33	8° 0	21° 8	9°33	0°48	0°30	9°50	14° 1	18°14	16°D35	15°28	15°52	6° 9	M16
T 17	23 41 44	23°37'07	5 云 23	9°42	21°16	10°12	1° 0	0°28	9°50	14° 1	18°15	16°36	15°25	15°58	6°15	T 17
W18	23 45 40	24°35'39	17°11	11°27	21°25	10°51	1°13	0°26	9°50	14° 0	18°17	16°R36	15°22	16° 5	6°20	W18
T 19	23 49 37	25°34'12	29° 2	13°13	21°36	11°30	1°25	0°24	9°D50	14° 0	18°19	16°35	15°19	16°11	6°26	T 19
F 20	23 53 33	26°32'47	11≈ 0	15° 2	21°50	12°10	1°38	0°23	9°50	14° 0	18°20	16°32	15°16	16°18	6°31	F 20
S 21	23 57 30	27°31'23	23° 9	16°51	22° 5	12°49	1°50	0°21	9°50	14° 0	18°22	16°27	15°12	16°25	6°36	S 21
S 22	0 1 26	28°30'01	5 ₩32	18°41	22°23	13°28	2° 3	0°20	9°50	14° 0	18°24	16°19	15° 9	16°31	6°42	S 22
M23	0 5 23	29°28'42	18°12	20°32	22°42	14° 8	2°15	0°19	9°50	13°59	18°25	16° 9	15° 6	16°38	6°47	M23
T 24	0 9 20	0 ≏ 27'24	1 Υ 8	22°22	23° 4	14°47	2°27	0°18	9°51	13°59	18°27	15°57	15° 3	16°45	6°52	T 24
W25	0 13 16	1°26'08	14°19	24°13	23°27	15°27	2°40	0°17	9°51	13°59	18°29	15°45	15° 0	16°51	6°57	W25
T 26	0 17 13	2°24'54	27°45	26° 4	23°52	16° 7	2°52	0°16	9°51	13°D59	18°31	15°33	14°57	16°58	7° 2	T 26
F 27	0 21 9	3°23'42	11822	27°54	24°18	16°46	3° 4	0°15	9°52	13°59	18°33	15°23	14°53	17° 5	7° 7	F 27
S 28	0 25 6	4°22'32	25° 8	29°44	24°47	17°26	3°16	0°14	9°52	13°59	18°34	15°16	14°50	17°11	7°12	S 28
S 29	0 29 2	5°21'25	9 Ⅱ 1	1 ≏ 34	25°16	18° 6	3°28	0°13	9°52	13°59	18°36	15°11	14°47	17°18	7°17	S 29
M30	0 32 59	6 ₽ 20′20	23 I 0	3 <u>Ω</u> 23	25 Ω 48	18 ≏ 45	3 m) 40	0≈13	9 궁 53	14 る 0	18 M .38	15 る 9	14 る 44	17 云 25	7Ω 22	M30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n33	23n34	3n54	12n 8	1 s48	5n42	8s17	0n43	0n43	13n 3	0n47	20 s25	0 s 3 1	23 s27	0 s23	21 s54	0n48	2 s 5 2	14n51	22 s17	22 s27	22 s52	12n53	6 s24
M 2	8 11	25 13	2 59	12 23	1 29	5 54	8 13	0 27	0 42	12 58	0 47	20 26	0 31	23 27	0 23	21 54	0 48	2 53	14 50	22 17	22 27	22 51	12 51	6 25
T 3	7 49	25 16	1 53	12 35	1 11	6 6	8 8	0 12	0 42	12 54	0 47	20 27	0 31	23 27	0 23	21 54	0 47	2 54	14 50	22 17	22 28	22 49	12 49	6 25
W 4	7 27	23 39	0 38	12 44	0 53	6 19	8 3	0 s 4	0 41	12 50	0 47	20 27	0 31	23 27	0 23	21 54	0 47	2 55	14 49	22 17	22 28	22 47	12 47	6 25
T 5	7 5	20 29	0 s40	12 50	0 35	6 31	7 57	0 20	0 40	12 45	0 47	20 28	0 31	23 27	0 23	21 54	0 47	2 56	14 49	22 17	22 29	22 46	12 46	6 26
F 6	6 43			12 52	0 19	6 43	7 51	0 36		12 41	0 47			23 27	0 23		0 47					22 44		6 26
S 7	6 20	10 35	3 3	12 50	0 3	6 55	7 44	0 52	0 39	12 36	0 47	20 29	0 31	23 27	0 23	21 55	0 47	2 57	14 48	22 17	22 29	22 43	12 42	6 26
S 8	5 58	4 37	3 58	12 45	0n12	7 6	7 36	1 8	0 39	12 32	0 48	20 30	0 31	23 27	0 23	21 55	0 47	2 58	14 47	22 18	22 30	22 41	12 40	6 27
M 9	5 35			12 36	0 26	7 17	7 28	1 24		12 28		20 30		23 27		21 55	0 47					22 39		6 27
T 10	5 13	7 23		12 24	0 39	7 28	7 20	1 40	0 38	12 23		20 31		23 27	0 23	21 55	0 47					22 38		6 27
W11		12 47	-		0 51	7 38	7 11	1 55		12 19		20 31		23 27		21 55	0 47					22 36		6 28
T 12	4 27	17 25	4 51	11 49	1 2	7 48	7 2	2 11		12 14		20 32		23 27		21 55	0 47					22 34		6 28
F 13		21 5		11 26	1 11	7 58	6 53	2 27		12 10		20 32		23 27	0 23		0 47					22 33		6 28
S 14	3 41	23 40	3 44	11 1	1 20	8 7	6 44	2 43	0 36	12 6	0 48	20 33	0 32	23 27	0 23	21 55	0 47	3 3	14 44	22 24	22 32	22 31	12 30	6 29
S 15	3 18	25 4	2 56	10 32	1 27	8 15	6 34	2 59	0 35			20 33		23 27		21 55	0 47	3 4	14 44			22 30		6 29
M16	2 55	25 17	2 0		1 33	8 23	6 24	3 15		11 57	0 48			23 27		21 55	0 47	3 5	14 43			22 28		6 30
T 17	-	24 19	0 59		1 39	8 30	6 14	3 31		11 52	0 49			23 27		21 56	0 47		14 43			22 26		6 30
W18		22 17	0n 3	8 51	1 43	8 37	6 4	3 47		11 48		20 35		23 27		21 56	0 47					22 25		6 31
T 19	-	19 17	1 6	-	1 46	8 43	5 54	4 3		11 44		20 35		23 27		21 56	0 47					22 23		6 31
F 20		15 27	2 6	7 34	1 48	8 49	5 43	4 18		11 39		20 35		23 27		21 56	0 47					22 21		6 31
S 21	0 59	10 57	3 1	6 53	1 50	8 53	5 33	4 34	0 32	11 35	0 49	20 36	0 32	23 27	0 23	21 56	0 47	3 9	14 41	22 26	22 34	22 19	12 18	6 32
S 22	0 36	5 56	3 49	6 10	1 51	8 58	5 23	4 50	0 31	11 31	0 49	20 36	0 32	23 27	0 23	21 56	0 47	3 10	14 41	22 27	22 35	22 18	12 16	6 32
M23	0 12	0 35	4 27	5 27	1 50	9 1	5 12	5 6	0 31	11 26	0 49	20 36	0 32	23 27	0 23	21 56	0 47	3 11	14 40	22 28	22 35	22 16	12 14	6 33
T 24	0 s11	4n54	4 51	4 42	1 50	9 4	5 2	5 22	0 30	11 22	0 49	20 37	0 32	23 27	0 23	21 56	0 47	3 12	14 40	22 29	22 36	22 14	12 12	6 33
W25	0 34	10 16	5 1	3 57	1 48	9 7	4 52	5 37	0 30	11 18	0 49	20 37	0 32	23 27	0 23	21 56	0 47	3 13	14 40	22 31	22 36	22 13	12 11	6 34
T 26	0 58	15 15	4 54	3 11	1 46	9 8	4 41	5 53	0 29	11 14	0 50	20 37		23 27	-	21 56	0 47		14 39				12 9	6 34
F 27		19 32	4 31	2 25	1 43	9 9	4 31	6 9	0 29	11 9	0 50			23 27	0 22		0 47				22 37		12 7	6 35
S 28	1 44	22 48	3 52	1 38	1 40	9 10	4 21	6 25	0 28	11 5	0 50	20 38	0 32	23 27	0 22	21 56	0 47	3 15	14 38	22 34	22 37	22 8	12 6	6 35
S 29	2 8	24 45	2 59	0 51	1 37	9 10	4 11	6 40	0 28	11 1	0 50	20 38	0 32	23 27	0 22	21 56	0 47	3 16	14 38	22 35	22 37	22 6	12 4	6 36
M30	2 s31	25n10	1n54	0n 5	1n33	9n 9	4s 1	6 s 5 6	0n27	10n56	0n50	20 s38	0 s32	23 s27	0 s22	21 s56	0n47	3 s 1 7	14n38	22 s35	22 s38	22 s 4	12n 2	6 s 3 6

 $\label{eq:Julian Day Number = 2448500.5, Delta T = 58.06 sec} \\ Ecliptic obliquity = 23°26'28, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°37'26, Lahiri = 23°44'26 \\$

OCTOBER 1991 00:00 UT

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T 1	0 36 55	7 ≏ 19'18	799 3	5₽11	26 Ω 20	19 ≏ 25	3 m/ 52	0°R12	9 ප් 54	14 る 0	18 M .40	15°R 9	14 පි 41	17 ට 31	7 Ω 26	T 1
W 2	0 40 52	8°18'18	21°10	6°58	26°55	20° 5	4° 4	0 K12 0≈12	9°54	14° 0	18°42	15 3 9	14°38	17°38	7°31	W 2
T 3	0 44 48	9°17'20	5Ω20	8°45	27°30	20°45	4°16	0°12	9°55	14° 0	18°44	15° 8	14°34	17°45	7°36	T 3
F 4	0 48 45	10°16'24	19°31	10°31	28° 7	21°25	4°28	0°12	9°56	14° 0	18°46	15° 5	14°31	17°51	7°40	F 4
S 5	0 52 42	11°15'30	3 m 41	12°16	28°45	22° 5	4°39	0°D12	9°56	14° 1	18°48	14°59	14°28	17°58	7°45	S 5
S 6	0 56 38	12°14'39	17°47	14° 0	29°24	22°45	4°51	0°12	9°57	14° 1	18°50	14°50	14°25	18° 4	7°49	S 6
M 7	1 0 35	13°13'50	1 ≏ 44	15°43	0 m y 5	23°25	5° 3	0°12	9°58	14° 1	18°52	14°39	14°22	18°11	7°53	M 7
T 8	1 431	14°13'03	15°27	17°26	0°46	24° 5	5°14	0°12	9°59	14° 2	18°54	14°26	14°18	18°18	7°57	T 8
W 9	1 8 28	15°12'18	28°54	19° 8	1°29	24°45	5°26	0°12	10° 0	14° 2	18°56	14°13	14°15	18°24	8° 2	W 9
T 10	1 12 24	16°11'35	12 M 1	20°49	2°13	25°26	5°37	0°13	10° 1	14° 2	18°58	14° 2	14°12	18°31	8° 6	T 10
F 11	1 16 21	17°10'54	24°48	22°29	2°57	26° 6	5°48	0°13	10° 2	14° 3	19° 1	13°52	14° 9	18°38	8°10	F 11
S 12	1 20 17	18°10'15	7 . ₹15	24° 9	3°43	26°46	6° 0	0°14	10° 3	14° 3	19° 3	13°45	14° 6	18°44	8°14	S 12
S 13	1 24 14	19° 9'38	19°26	25°48	4°29	27°26	6°11	0°15	10° 4	14° 4	19° 5	13°41	14° 3	18°51	8°17	S 13
M14	1 28 11	20° 9'02	1 る 24	27°26	5°17	28° 7	6°22	0°16	10° 6	14° 5	19° 7	13°39	13°59	18°58	8°21	M14
T 15	1 32 7	21° 8'29	13°14	29° 3	6° 5	28°47	6°33	0°16	10° 7	14° 5	19° 9	13°D39	13°56	19° 4	8°25	T 15
W16	1 36 4	22° 7'57	25° 2	0 M .40	6°54	29°28	6°44	0°18	10° 8	14° 6	19°11	13°R39	13°53	19°11	8°28	W16
T 17	1 40 0	23° 7'27	6≈53	2°16	7°44	0 M 8	6°55	0°19	10°10	14° 6	19°14	13°38	13°50	19°18	8°32	T 17
F 18	1 43 57	24° 6'58	18°53	3°52	8°35	0°49	7° 6	0°20	10°11	14° 7	19°16	13°36	13°47	19°24	8°35	F 18
S 19	1 47 53	25° 6'32	1 ¥ 5	5°26	9°26	1°30	7°16	0°21	10°12	14° 8	19°18	13°31	13°43	19°31	8°39	S 19
S 20	1 51 50	26° 6'07	13°36	7° 0	10°18	2°10	7°27	0°23	10°14	14° 9	19°20	13°23	13°40	19°37	8°42	S 20
M21	1 55 46	27° 5'44	26°26	8°34	11°11	2°51	7°37	0°24	10°16	14° 9	19°23	13°14	13°37	19°44	8°45	M21
T 22	1 59 43	28° 5'22	9 Ƴ 38	10° 7	12° 5	3°32	7°48	0°26	10°17	14°10	19°25	13° 2	13°34	19°51	8°48	T 22
W23	2 3 40	29° 5'03	23°10	11°39	12°59	4°12	7°58	0°28	10°19	14°11	19°27	12°50	13°31	19°57	8°51	W23
T 24	2 7 36	OM 4'46	7 8 0	13°11	13°54	4°53	8° 9	0°29	10°20	14°12	19°29	12°38	13°28	20° 4	8°54	T 24
F 25	2 11 33	1° 4'31	21° 3	14°42	14°49	5°34	8°19	0°31	10°22	14°13	19°32	12°28	13°24	20°11	8°57	F 25
S 26	2 15 29	2° 4'17	5 Ⅱ 15	16°13	15°45	6°15	8°29	0°33	10°24	14°14	19°34	12°21	13°21	20°17	8°59	S 26
S 27	2 19 26	3° 4'06	19°31	17°43	16°42	6°56	8°39	0°36	10°26	14°15	19°36	12°17	13°18	20°24	9° 2	S 27
M28	2 23 22	4° 3'58	39548	19°12	17°39	7°37	8°49	0°38	10°28	14°16	19°39	12°15	13°15	20°31	9° 5	M28
T 29	2 27 19	5° 3'51	18° 1	20°41	18°37	8°18	8°58	0°40	10°30	14°17	19°41	12°D14	13°12	20°37	9° 7	T 29
W30	2 31 15	6° 3'47	20 9	22°10	19°35	8°59	9° 8	0°43	10°32	14°18	19°43	12°R15	13° 9	20°44	9° 9	W30
T 31	2 35 12	7 M 3'45	16 Ω 12	23 M 37	20 m 34	9 M .41	9 m 18	0≈45	10 る 34	14 る 19	19 M .46	12 る 15	13 る 5	20 ප 51	9 Ω 12	T 31

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S 5	4 27		3 47	3 49	1 8	8 55	3 12	8 13		10 36		20 38		23 26		21 56	0 46					21 55		
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S 12	7 8	24 29	3 0	9 0	0 24	8 9	2 8	10 0	0 20	10 7	0 52	20 38	0 33	23 26	0 22	21 56	0 46	3 27 1	14 33	22 44	22 42	21 43	11 43	6 43
S 13	7 30		2 5	9 42	0 17	8 1		10 15	0 20		0 52			23 26		21 56	0 46	-				21 41		6 44
M14 T 15	7 53			10 24	0 10	7 51	-	10 30	0 19 0 19	9 59	0 52 0 52			23 26			0 46					21 39		6 44
W16	8 15 8 37			11 5 11 46	0 3 0s 4	7 41 7 31		10 45 11 0	0 19	9 55 9 51	0 52			23 26 23 25	0 22 0 22		0 46 0 46					21 38 21 36		6 45
T 17	8 59			12 26	0 10	7 20	-	11 15	0 18	9 47	0 53			23 25		21 56	0 46					21 34		6 46
F 18	9 21	12 23	2 55	13 5	0 17	7 8	1 18	11 29	0 17	9 43	0 53	20 37		23 25		21 56	0 46					21 32		6 47
S 19	9 43	7 36	3 44	13 43	0 24	6 56	1 11	11 44	0 17	9 40	0 53	20 37	0 33	23 25	0 22	21 56	0 46	3 33 1	14 32	22 45	22 44	21 30	11 33	6 47
S 20	10 5	2 25	4 22	14 21	0 31	6 44	1 3	11 59	0 16	9 36	0 53	20 36	0 33	23 25	0 22	21 56	0 46	3 34 1	14 31	22 46	22 44	21 29	11 31	6 48
M21	10 26			14 57	0 38	6 31		12 13	0 15	9 32	0 53			23 25			0 46					21 27		6 49
T 22	10 48		-	15 33	0 45	6 17		12 28	0 15	9 28		20 36		23 25			0 46					21 25		
W23 T 24	11 9			16 9	0 51	6 3		12 42	0 14	9 25		20 35		23 25		21 56	0 46		-			21 23		6 50
F 25	11 30	_	4 35 3 57	16 43 17 17	0 58 1 4	5 49 5 34		12 56 13 10	0 14 0 13	9 21 9 17		20 35 20 35		23 24 23 24		21 56 21 56	0 46 0 46					21 21 21 19		6 50 6 51
S 26	-			17 49	1 11	5 18		13 10	0 13	9 14		20 33		23 24		21 55	0 46	3 38 1						
S 27			1 58	18 21	1 17	5 3		13 39	0 12	9 10		20 34		23 24		21 55	0 46					21 16		
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W30	13 33	17 59	1 44	19 51	1 36	4 13	0n 6	14 20	0 10	9 0	0 55	20 32	0 33	23 23	0 22	21 55	0 45	3 41 1	14 29	22 53	22 48	21 10	11 18	6 54
T 31	13 s52	13n16	2 s 5 1	20 s 19	1 s41	3n55	0n12	14 s34	0n10	8n56	0n55	20 s32	0 s33	23 s23	0 s22	21 s55	0n45	3 s42	14n29	22 s53	22 s48	21s 8	11n17	6 s 5 5

Julian Day Number = 2448530.5, Delta T = 58.12 sec Ecliptic obliquity = $23^{\circ}26'28$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}37'30$, Lahiri = $23^{\circ}44'31$

NOVEMBER 1991 00:00 UT

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S 3 2 47 2 10° 3′51 27°37 27°57 23°33 11°44 9°46 0°53 10°40 14°23 19°53 12° 1 12°56 21°11 9°18 S 3 M 4 2 50 58 11° 3′57 11£8 29°22 24°34 12°26 9°55 0°56 10°42 14°24 19°55 11°52 12°53 21°17 9°20 M 4 T 5 2 58 55 13° 4′16 7¶32 2°11 26°36 13°40 10°13 1°2 10°47 14°25 19°58 11°41 12°40 22°10 9°21 T 5 K 6 2 58 51 13° 4′16 7¶32 2°11 26°36 13°40 10°13 1°2 10°47 14°25 19°58 11°14 12°40 22°42 9°21 T 7 F 8 3 644 15° 42°22 2°56 28°40 15°12 10°31 1°8 10°51 14°29 20° 5 11°12 12°40 22°40 6°8 8 S 10	F 1	2 39 9	8M 3'44	0 m) 8	25M 5	21 Mp 33	10ML22	9 m 27	0≈48	10 궁 36	14중20	19 M .48	12°R13	13る 2	20 궁 57	9 Ω 14	F 1
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	S 3	2 47 2	10° 3'51	27°37	27°57	23°33	11°44	9°46	0°53	10°40	14°23	19°53	12° 1	12°56	21°11	9°18	S 3
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	W 6	2 58 51	13° 4'16	7 ™ 32	2°11	26°36	13°49	10°13	1° 2	10°47	14°26	20° 0	11°30	12°46	21°30	9°23	W 6
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MI1 3 18 34 18° 5'33 9 ₹518 8°56 1°49 17°17 10°56 1°19 10°59 14°33 20°12 11°D 1 12°30 22° 4 9°30 MI1 T12 3 22 31 19° 5'53 21° 7 10°13 2°52 17°59 11° 4 1°22 11° 1 14°35 20°15 11° 2 12°27 22°10 9°31 T12 W13 3 26 27 20° 6'15 2≈54 11°29 3°56 18°40 11°12 1°26 11° 4 14°36 20°17 11° 3 12°24 22°17 9°32 W13 T14 3 30 24 21° 6'38 14°44 12°44 5° 1 19°22 11°20 1°30 11° 6 14°38 20°20 11° 4 12°21 22°24 9°33 T14 1° 15° 15 334 20 22° 703 26°42 13°56 6° 5 20° 4 11°28 1°34 11° 9 14°39 20°22 11° 8 4 12°18 22°30 9°34 F15 1° 15 334 20 22° 703 26°42 13°56 6° 5 20° 4 11°36 1°37 11°11 14°41 20°24 11° 3 12°15 22°37 9°34 S16 1° 38 17 23° 7′29 8 ₹53 15° 7 7°10 20°46 11°36 1°37 11°11 14°41 20°24 11° 3 12°15 22°37 9°34 S16 1° 34 11° 9 14°39 20°20 11° 4 12°15 22°37 9°34 S16 1° 34 11° 9 14°49 10°40 1	S 9	3 10 41	16° 4'57	15°16	6°17	29°43	15°53	10°39	1°12	10°54	14°31	20° 7	11° 6	12°37	21°50	9°27	S 9
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S 17 3 42 13 24° 7'56 21°24 16°15 8°15 21°28 11°43 1°41 11°14 14°42 20°27 10°59 12°11 22°44 9°35 S 17 M18 3 46 10 25° 8'24 4°16 17°21 9°21 22°10 11°51 1°46 11°17 14°44 20°29 10°54 12° 8 22°50 9°35 MI8 T 19 3 50 7 26° 8'54 17°33 18°23 10°26 22°52 11°58 1°50 11°20 14°46 20°32 10°47 12° 5 22°57 9°36 T 19 W20 3 54 3 27° 9'25 18'16 19°22 11°32 23°34 12° 5 1°54 11°22 14°47 20°34 10°40 12° 2 23° 3 9°36 W20 T 21 3 58 0 28° 9'58 15°22 20°18 12°38 24°17 12°12 1°58 11°25 14°49 20°36 10°32 11°59 23°10 9°36 T 21			,				-			-							-
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T 28 4 25 36 5°14'29 26°58 24° 9 20°29 29°13 12°57 2°31 11°46 15° 1 20°53 10°23 11°36 23°57 9°34 T 28 F 29 4 29 32 6°15'13 10m/52 24°811 21°37 29°56 13° 3 2°36 11°49 15° 3 20°56 10°R23 11°33 24° 3 9°34 F 29								_		-				_			-
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8 30 4 33 29 7x 16 00 24 m 31 24 x 3 22 x 45 0x 39 13 m 9 2 x 41 11 \(\sigma 52 \) 15 \(\sigma 5 \) 20 \(\sigma 52 \) 1 \(\sigma 30 \) 24 \(\sigma 10 \) 2 \(\sigma 41 \) 0 \(\sigma 32 \) 3 \(\sigma 5 \) 2 \(\sigma 11 \) 30 24 \(\sigma 10 \) 2 \(\sigma 10 \) 2 \(\sigma 11 \) 30 24 \(\sigma 10 \) 33 8 30	1 1			~													-
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F 1	14 s12	7n54		20 s46		3n37		14 s47		8n53		20 s31		23 s23		21 s55					22 s48			
S 2	14 31	2 11	4 28	21 12	1 52	3 19	0 23	15 1	0 8	8 49	0 56	20 31	0 33	23 23	0 22	21 55	0 45	3 44	14 29	22 53	22 48	21 4	11 14	6 56
S 3	14 50	3 s34		21 37	1 58	3 0	0 29		0 8	8 46		20 30		23 23		21 55	0 45	-		-	22 49	_		6 57
M 4	15 9	9 4	-	22 1	2 3	2 41	0 35	-	0 7	8 43	0 56			23 23	0 22		0 45				22 49		11 12	6 58
T 5	15 27	14 4		22 24	2 7	2 22	0 40	-	0 7	8 40	0 56			23 22		21 55	0 45				22 49			6 58
W 6	15 46	18 20	4 34		2 12	2 3	0 45		0 6	8 36	0 56			23 22		21 55	0 45				22 50			6 59
F 8	16 4 16 22	21 39 23 51	3 57 3 10	23 6 23 25	2 16 2 20	1 43 1 22	0 50 0 55	-	0 6	8 33 8 30	0 57	20 27 20 27		23 22 23 22		21 54 21 54	0 45 0 45				22 50 22 50			7 0
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S 16	18 33	4 11		25 5 25 13	2 38	1 6 1 28	1 20		0 1 0 0	8 7		20 21 20 21		23 20 23 20		21 53 21 53	0 45				22 52 22 53			7 6
		4 11	4 22	23 13	2 30	1 20	1 29	1/ 3/	0 0	0 /	0 38	20 21	0 33	23 20	0 22	21 33	0 45	3 33	14 20	22 39	22 33	20 38	11 0	/ 6
S 17	18 48	1n 3		25 21	2 38	1 51	1 33		0s 0	8 4	0 59			23 20		21 53	0 45				22 53			7 7
M18	19 3	6 23		25 27	2 37	2 13		18 20	0 1	8 2	0 59			23 20		21 53	0 45				22 53			7 7
T 19	-, -,	11 37		25 31	2 36	2 36	1 40		0 2	7 59	0 59			23 19	-	21 53	0 45		14 27		22 53			7 8
W20		16 26		25 34	2 33	2 59	1 43	-	-	7 57		20 17		23 19		21 53	0 45		14 27	-	22 54			7 9
T 21		20 30		25 35	2 30	3 22				7 54	1 0			23 19		21 53	0 45		14 28		22 54			7 9
F 22 S 23	19 58	23 24		25 35 25 33	2 26 2 22	3 45 4 8	1 49	19 4 19 15		7 52 7 49	1 0			23 19 23 18		21 52 21 52	0 45 0 45		14 28 14 28		22 54 22 55			7 10 7 11
3 23	20 11	24 47	2 10	25 55	2 22	4 8	1 32	19 13	0 4	/ 49	1 0	20 14	0 34	23 18	0 22	21 32	0 43	3 31	14 20	23 2	22 33	20 24	10 33	/ 11
S 24	20 24			25 29	2 16	4 31		19 25	0 5	7 47	1 0			23 18		21 52	0 45		14 28		22 55			7 12
M25	20 36			25 24	2 8	4 55	1 57		0 5	7 45	1 1	20 12		23 18	-	21 52	0 45		14 28	-	22 55			7 12
T 26	20 48			25 17	2 0	5 18	2 0		0 6	7 43	1 1	20 11		23 18	-	21 52	0 45			-	22 55			7 13
W27	21 0	14 17	-		1 50	5 41	2 2		0 6	7 40	1 1	20 10		23 17		21 52	0 45		14 28		22 56			7 14
_	21 11	8 58			1 39	6 5	2 4	20 6	0 7	7 38	1 1	20 9		23 17		21 51	0 45		14 28		22 56			7 14
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S 30	21 s31	2 s25	5 s 1	24 s 3 1	1 s 1 3	6s52	2n 8	20 s25	0s 8	7n34	1n 2	20s 7	0s34	23 s16	0s22	21 s51	0n45	4s l	14n28	23 s 2	22 s57	20s10	10n51	7s16

 $\label{eq:Julian Day Number = 2448561.5, Delta T = 58.18 sec} \\ Ecliptic obliquity = 23°26'28, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 24°37'34, Lahiri = 23°44'35 \\ \\$

DECEMBER 1991 00:00 UT

DECE	HIDEN 3														00.0	0 0.
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(并	В	S.	Ω	Ç	ķ	Day
S 1	4 37 25	8 ∡ 16'48	7 ≏ 54	23°R44	23 ₾ 54	1 √ 21	13 m 14	2≈46	11 る 55	15중 7	21 M 0	10°R19	11 る 27	24 궁 17	9°R32	S 1
M 2	4 41 22	9°17'37	21° 4	23 × 15	25° 2	2° 4	13°20	2°51	11°58	15° 9	21° 3	10 궁 14	11°24	24°23	9 Ω 31	M 2
T 3	4 45 18	10°18'28	3 M .59	22°34	26°11	2°47	13°25	2°56	12° 1	15°11	21° 5	10° 9	11°21	24°30	9°30	T 3
W 4	4 49 15	11°19'21	16°42	21°42	27°20	3°30	13°30	3° 1	12° 5	15°13	21° 7	10° 4	11°17	24°37	9°29	W 4
T 5	4 53 11	12°20'14	29°12	20°41	28°29	4°12	13°35	3° 7	12° 8	15°15	21° 9	9°59	11°14	24°43	9°28	T 5
F 6	4 57 8	13°21'09	11 × 731	19°31	29°39	4°55	13°39	3°12	12°11	15°17	21°12	9°56	11°11	24°50	9°26	F 6
S 7	5 1 5	14°22'05	23°39	18°14	0 M .48	5°38	13°44	3°18	12°14	15°19	21°14	9°53	11° 8	24°57	9°25	S 7
S 8	5 5 1	15°23'02	5 云 38	16°53	1°58	6°21	13°48	3°23	12°18	15°21	21°16	9°D52	11° 5	25° 3	9°23	S 8
M 9	5 8 58	16°23'59	17°30	15°30	3° 8	7° 4	13°52	3°29	12°21	15°23	21°19	9°52	11° 1	25°10	9°22	M 9
T 10	5 12 54	17°24'58	29°18	14° 8	4°18	7°47	13°56	3°34	12°24	15°25	21°21	9°53	10°58	25°16	9°20	T 10
W11	5 16 51	18°25'57	11≈ 4	12°50	5°28	8°31	14° 0	3°40	12°28	15°27	21°23	9°55	10°55	25°23	9°18	W11
T 12	5 20 47	19°26'56	22°54	11°38	6°38	9°14	14° 4	3°46	12°31	15°29	21°25	9°57	10°52	25°30	9°16	T 12
F 13	5 24 44	20°27'57	4 ∺ 50	10°35	7°48	9°57	14° 7	3°52	12°34	15°31	21°27	9°58	10°49	25°36	9°14	F 13
S 14	5 28 40	21°28'58	16°59	9°41	8°59	10°40	14°10	3°57	12°38	15°33	21°30	9°R59	10°46	25°43	9°12	S 14
S 15	5 32 37	22°29'59	29°25	8°58	10° 9	11°24	14°14	4° 3	12°41	15°35	21°32	9°59	10°42	25°50	9°10	S 15
M16	5 36 34	23°31'01	12 Y 12	8°26	11°20	12° 7	14°16	4° 9	12°44	15°38	21°34	9°58	10°39	25°56	9° 7	M16
T 17	5 40 30	24°32'03	25°24	8° 6	12°31	12°51	14°19	4°15	12°48	15°40	21°36	9°56	10°36	26° 3	9° 5	T 17
W18	5 44 27	25°33'06	9 8 4	7°D56	13°42	13°34	14°22	4°21	12°51	15°42	21°38	9°54	10°33	26°10	9° 2	W18
T 19	5 48 23	26°34'09	23°10	7°56	14°53	14°17	14°24	4°28	12°55	15°44	21°40	9°53	10°30	26°16	9° 0	T 19
F 20	5 52 20	27°35'13	7∏42	8° 6	16° 4	15° 1	14°26	4°34	12°58	15°46	21°42	9°51	10°27	26°23	8°57	F 20
S 21	5 56 16	28°36'17	22°33	8°24	17°16	15°45	14°28	4°40	13° 2	15°48	21°44	9°50	10°23	26°30	8°55	S 21
S 22	6 0 13	29°37'22	7936	8°51	18°27	16°28	14°30	4°46	13° 5	15°51	21°46	9°D50	10°20	26°36	8°52	S 22
M23	6 4 10	0중38'27	22°42	9°24	19°38	17°12	14°32	4°53	13° 9	15°53	21°48	9°50	10°17	26°43	8°49	M23
T 24	6 8 6	1°39'33	7 Ω 42	10° 4	20°50	17°56	14°33	4°59	13°12	15°55	21°50	9°50	10°14	26°50	8°46	T 24
W25	6 12 3	2°40'39	22°29	10°50	22° 2	18°40	14°34	5° 5	13°16	15°57	21°52	9°51	10°11	26°56	8°43	W25
T 26	6 15 59	3°41'46	6 m 57	11°41	23°14	19°23	14°35	5°12	13°19	15°59	21°54	9°52	10° 7	27° 3	8°40	T 26
F 27	6 19 56	4°42'53	21° 2	12°36	24°25	20° 7	14°36	5°18	13°23	16° 2	21°56	9°52	10° 4	27°10	8°36	F 27
S 28	6 23 52	5°44'01	4 º 44	13°35	25°37	20°51	14°37	5°25	13°27	16° 4	21°58	9°R52	10° 1	27°16	8°33	S 28
S 29	6 27 49	6°45'10	18° 4	14°38	26°49	21°35	14°37	5°31	13°30	16° 6	22° 0	9°52	9°58	27°23	8°30	S 29
M30	6 31 45	<u>7°</u> 46'19	1 m 2	15°44	28° 2	22°19	14°38	5°38	1 <u>3</u> °34	1 <u>6°</u> 8	22° 2	9°52	<u>9</u> °55	2 <u>7</u> °30	8°26	M30
T 31	6 35 42	8 궁 47'29	13 M .43	16 × 752	29 m .14	23 × 3	14°R38	5≈45	13 る 37	16 ਰ 11	22 M 4	9 궁 52	9 궁 52	27 云 36	$8\Omega 23$	T 31

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S 1 M 2 T 3 W 4 T 5 F 6 S 7		12 57 5 7 17 20 4 46 20 51 4 11 23 19 3 25 24 38 2 30	23 36 0 2	40 7 39 2 12 20 22 8 3 2 13 20 3 3 8 26 2 14 21 17 8 49 2 16 21 37 9 13 2 17 21	4 0 9 3 0 10 2 0 11 0 0 11 9 0 12	7 31 1 2	2 20 4 0 34 3 20 3 0 34 3 20 2 0 34 3 20 1 0 34 5 20 0 0 34	23 16 0 22 23 16 0 22 23 15 0 22 23 15 0 22 23 15 0 22	21 s51	4s 1 14n28 4 2 14 28 4 2 14 28 4 3 14 28 4 3 14 28 4 4 14 29 4 4 14 29	23 3 22 5° 23 4 22 5° 23 4 22 5° 23 4 22 5° 23 4 22 5°	7 20 6 7 20 4 8 20 2	10 51 7 17 10 50 7 17 10 50 7 18 10 50 7 19 10 49 7 19
S 8 M 9 T 10 W11 T 12 F 13 S 14	22 38 22 45	23 43 0 23 21 36 0n42 18 35 1 45 14 49 2 44 10 29 3 36 5 43 4 19	21 31 1 1 21 4 1 3 20 37 1 5 20 13 2 19 51 2 2	17 9 59 2 19 21 2 36 10 22 2 19 21 2 33 10 45 2 20 21 2 8 11 8 2 21 21 2 22 11 31 2 21 22 3 32 11 53 2 21 22	5 0 13 0 14 0 14 0 15 5 0 15 3 0 16	7 21 1 4 7 20 1 4 7 19 1 4 7 17 1 5 7 16 1 5	19 57 0 34 19 56 0 34 19 55 0 34 19 53 0 34 19 52 0 34 19 51 0 34	23 14 0 22 23 14 0 22 23 14 0 22 23 13 0 22 23 13 0 22 23 13 0 22 23 13 0 22	21 49 0 44 21 48 0 44 21 48 0 44	4 5 14 29 4 5 14 29 4 5 14 29 4 6 14 29 4 6 14 30 4 7 14 30	23 4 22 59 23 4 22 59 23 4 23 6 23 4 23 6 23 4 23 6 23 4 23 6	9 19 54 9 19 52 9 19 50 0 19 48	10 49 7 21 10 49 7 21 10 49 7 22 10 49 7 22 10 48 7 23 10 48 7 24
S 15 M16 T 17 W18 T 19 F 20 S 21	23 25	9 41 5 16 14 34 5 5 18 53 4 37 22 17 3 51 24 23 2 49	18 54 2 5 18 48 2 5 18 47 2 5	51 12 59 2 22 22 2 53 13 21 2 21 22 2 54 13 42 2 21 22 4 52 14 3 2 21 22 2 50 14 24 2 20 22 2	3 0 18 9 0 19 5 0 19 1 0 20	7 11 1 6	19 46 0 34 5 19 45 0 34 5 19 44 0 34 7 19 42 0 34 7 19 41 0 34	23 12 0 22 23 11 0 22 23 11 0 22 23 11 0 22 23 10 0 22	21 48 0 44 21 48 0 44 21 47 0 44 21 47 0 44 21 47 0 44 21 47 0 44 21 46 0 44	4 7 14 30 4 7 14 30 4 8 14 30 4 8 14 31 4 8 14 31 4 9 14 31 4 9 14 31	23 4 23 23 4 23 23 4 23 23 4 23 23 4 23 2	1 19 40 1 19 37 1 19 35 1 19 33 2 19 31 2 19 29 2 19 27	10 48 7 25 10 49 7 26 10 49 7 26 10 49 7 27 10 49 7 27
S 22 M23 T 24 W25 T 26 F 27 S 28	23 26	4 49 4 27 1s 4 5 1	19 18 2 3 19 30 2 2 19 43 2 2 19 57 2 1 20 12 2	36 15 25 2 18 23 29 15 45 2 18 23	6 0 23 1 0 23 5 0 24 9 0 25	7 8 1 8 7 8 1 8 7 8 1 8 7 8 1 8 7 7 1 9 7 7 1 9	3 19 36 0 35 3 19 35 0 35 3 19 33 0 35 3 19 32 0 35 3 19 30 0 35 3 0 0 35	23 9 0 22 23 9 0 22 23 9 0 22 23 8 0 22 23 8 0 22	21 46 0 44 21 46 0 44 21 46 0 44 21 45 0 44 21 45 0 44 21 45 0 44 21 45 0 44	4 9 14 32 4 9 14 32 4 10 14 32 4 10 14 33 4 10 14 33 4 10 14 33	23 5 23 2 23 5 23 2 23 4 23 2 23 4 23 2 23 4 23 4		10 50 7 29 10 50 7 29 10 50 7 30 10 51 7 30 10 51 7 31
		16 28 4 57	20 42 1 5 20 58 1 4 21 s13 1n3		0 27	7 8 1 10	19 26 0 35	23 7 0 22	21 44 0 44 21 44 0 44 21 s44 0n44	4 11 14 33 4 11 14 34 4s11 14n34			10 52 7 32

Julian Day Number = 2448591.5, Delta T = 58.24 sec Ecliptic obliquity = $23^{\circ}26'27$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $24^{\circ}37'38$, Lahiri = $23^{\circ}44'39$