

Astrodienst Ephemeris Tables for the year 2199

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 2199 00:00 UT

•																
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	N.	v	Ç	ķ	Day
T 1	6 43 4	10る34'30	2) 1	21 궁 38	10≈23	8 건 48	6≈20	17≈27	22°R26	20 ° 3	23°R 2	27°R39	26M12	20П26	6 √ 4	T 1
W 2	6 47 0	11°35'39	15°45	23°14	11°37	9°33	6°34	17°33	22 II 24	20° 3	23 N 1	27 M 34	26° 8	20°32	6°11	W 2
T 3	6 50 57	12°36'49	29° 0	24°50	12°52	10°18	6°47	17°40	22°22	20° 3	23° 0	27°31	26° 5	20°39	6°18	T 3
F 4	6 54 54	13°37'58	11 Y 48	26°26	14° 6	11° 4	7° 1	17°46	22°19	20° 3	22°59	27°D30	26° 2	20°46	6°25	F 4
S 5	6 58 50	14°39'07	24°15	28° 2	15°20	11°50	7°15	17°52	22°17	20° 3	22°58	27°30	25°59	20°52	6°32	S 5
S 6	7 2 47	15°40'15	6 8 24	29°37	16°34	12°35	7°28	17°59	22°15	20° 3	22°57	27°32	25°56	20°59	6°39	S 6
M 7	7 6 43	16°41'24	18°20	1≈12	17°48	13°21	7°42	18° 5	22°12	20° 4	22°56	27°33	25°52	21° 6	6°45	M 7
T 8	7 10 40	17°42'32	0 Ⅱ 10	2°46	19° 2	14° 7	7°56	18°12	22°10	20° 4	22°55	27°R33	25°49	21°12	6°52	T 8
W 9	7 14 36	18°43'40	11°57	4°19	20°16	14°52	8°10	18°18	22° 8	20° 4	22°54	27°32	25°46	21°19	6°59	W 9
T 10	7 18 33	19°44'48	23°44	5°52	21°30	15°38	8°23	18°25	22° 6	20° 5	22°52	27°28	25°43	21°26	7° 5	T 10
F 11	7 22 29	20°45'56	5936	7°22	22°44	16°24	8°37	18°32	22° 4	20° 5	22°51	27°22	25°40	21°32	7°12	F 11
S 12	7 26 26	21°47'03	17°33	8°51	23°58	17°10	8°51	18°38	22° 1	20° 5	22°50	27°14	25°37	21°39	7°18	S 12
S 13	7 30 23	22°48'11	29°38	10°18	25°12	17°56	9° 5	18°45	21°59	20° 6	22°49	27° 3	25°33	21°46	7°24	S 13
M14	7 34 19	23°49'18	11 Q 52	11°42	26°26	18°42	9°19	18°52	21°57	20° 6	22°48	26°52	25°30	21°52	7°31	M14
T 15	7 38 16	24°50'24	24°16	13° 3	27°39	19°28	9°33	18°59	21°55	20° 7	22°46	26°41	25°27	21°59	7°37	T 15
W16	7 42 12	25°51'31	6 m 50	14°21	28°53	20°14	9°47	19° 5	21°53	20° 7	22°45	26°31	25°24	22° 6	7°43	W16
T 17	7 46 9	26°52'37	19°35	15°34	0 ∺ 7	21° 0	10° 1	19°12	21°51	20° 8	22°44	26°23	25°21	22°12	7°49	T 17
F 18	7 50 5	27°53'43	2 <u>Ω</u> 33	16°43	1°20	21°46	10°15	19°19	21°49	20° 8	22°43	26°17	25°17	22°19	7°55	F 18
S 19	7 54 2	28°54'49	15°46	17°45	2°34	22°32	10°29	19°26	21°47	20° 9	22°41	26°14	25°14	22°26	8° 1	S 19
S 20	7 57 58	29°55'55	29°15	18°42	3°47	23°18	10°44	19°33	21°45	20°10	22°40	26°D13	25°11	22°32	8° 7	S 20
M21	8 1 55	0≈57'01	13 M 3	19°31	5° 1	24° 4	10°58	19°40	21°44	20°10	22°39	26°14	25° 8	22°39	8°13	M21
T 22	8 5 52	1°58'06	27°10	20°11	6°14	24°51	11°12	19°47	21°42	20°11	22°37	26°R14	25° 5	22°46	8°19	T 22
W23	8 9 48	2°59'12	11 × 36	20°43	7°28	25°37	11°26	19°54	21°40	20°12	22°36	26°13	25° 2	22°52	8°24	W23
T 24	8 13 45	4° 0'17	26°19	21° 5	8°41	26°23	11°40	20° 1	21°38	20°13	22°35	26°10	24°58	22°59	8°30	T 24
F 25	8 17 41	5° 1'21	11 る 13	21°R16	9°54	27°10	11°54	20° 8	21°37	20°14	22°33	26° 4	24°55	23° 6	8°35	F 25
S 26	8 21 38	6° 2'25	26°11	21°16	11° 8	27°56	12° 9	20°15	21°35	20°15	22°32	25°55	24°52	23°12	8°41	S 26
S 27	8 25 34	7° 3'29	11≈ 3	21° 4	12°21	28°43	12°23	20°22	21°34	20°15	22°31	25°44	24°49	23°19	8°46	S 27
M28	8 29 31	8° 4'31	25°41	20°41	13°34	29°29	12°37	20°29	21°32	20°16	22°29	25°33	24°46	23°26	8°52	M28
T 29	8 33 27	9° 5'33	9 米 57	20° 7	14°47	0≈15	12°51	20°36	21°30	20°17	22°28	25°22	24°43	23°32	8°57	T 29
W30	8 37 24	10° 6'33	23°47	19°22	16° 0	1° 2	13° 6	20°43	21°29	20°18	22°26	25°12	24°39	23°39	9° 2	W30
T 31	8 41 21	11≈ 7'33	7 Υ 8	18≈28	17 米 13	1≈49	13 ≈ 20	20≈50	21 II 28	20 Υ 19	$22\Omega 25$	25 M 5	24M36	23 Ⅱ 45	9 才 7	T 31

Day	0	2)	ζ	5	ς	2	С	7	2	4	ŧ	l)	β (Ä	Ţ	Е		R	Ω	Ç	لح	\$
	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	22 s59	5 s 5 6	5n 9	23 s50	2s11	19s19	1 s46	23 s55	0 s48	19s11	0 s32	16 s 3 2	1s 0	23n19	0n 7	6n19	1 s38	21n59	8n40	19 s37	19s17	20n57	18s 0	3n21
W 2	22 54	1 5	4 55	23 33	2 10	18 59	1 46	23 52	0 48	19 7	0 32	16 30	1 0	23 19	0 7	6 19	1 38	22 0	-		19 16		-	3 21
T 3	22 49	3n39		23 16				23 49		19 4		16 28		23 19		0 17					19 15			3 22
F 4	22 43	8 4		22 56				23 46		19 1		16 26		23 19		0 17			-		19 14		-	-
S 5	22 36	12 2	2 50	22 36	2 6	17 55	1 46	23 43	0 50	18 57	0 32	16 24	1 0	23 18	0 7	6 19	1 38	22 2	8 41	19 35	19 14	20 56	18 3	3 23
S 6	22 30	15 24	1 52	22 14	2 4	17 32	1 46	23 39	0 50	18 54	0 32	16 22	1 0	23 18	0 7	6 19	1 38	22 2	8 41	19 35	19 13	20 56	18 4	3 23
M 7		-		21 50				23 35	0 51	18 50	0 32			23 18		0 17					19 12			3 23
T 8		19 56		21 25	1 57			23 31	0 51	18 47	0 32		1 0	23 18		6 20	1 38				19 11			3 24
W 9	-			20 59	1 53			23 26	0 51	18 43			1 0			6 20	1 38				19 11			3 24
T 10	21 58	-		20 32		15 58		23 21	0 52		0 32			23 18		6 20	1 38	-	-		19 10			3 25
F 11 S 12	21 49 21 39	-	3 10	20 3 19 34	1 42	15 33 15 8		23 16 23 11		18 36 18 33		16 12 16 10		23 18 23 18		6 20 6 20	1 37 1 37		-		19 9 19 8			3 25 3 26
																0 20								
	21 29	-	4 31			14 43	1 42			18 29	0 32			23 17		6 21	1 37		-	19 29		20 53		3 26
				18 32				22 59		18 25			1 0			6 21	1 37			19 26		20 53		3 27
	21 8	8 38		18 0				22 53		18 22	0 33	-		23 17		6 21	1 37		-	19 24		20 52		3 27
T 17	20 57 20 45	4 21 0s11		17 28 16 56	1 0	13 24 12 57		22 47 22 40		18 18 18 14				23 17 23 17		6 21 6 22	1 37 1 37			19 21 19 19		20 52 20 51		3 28 3 28
	20 43			16 24		12 37		22 40		18 11		15 58		23 17		6 22	1 37			19 19		20 51		3 28
	20 21	9 15		15 52				22 26		18 7		15 55		23 17		6 22		22 10	-	19 17	-	20 51		3 29
S 20 M21	20 8 19 55	13 21		15 22 14 52		11 34 11 6		22 19 22 11		18 3 17 59		15 53 15 51		23 17 23 17		0 22		22 11 22 11		19 17 19 17		20 50	18 11	3 29
T 22		19 25		14 24		10 38		22 11		17 55		15 49		23 17				22 11	-		19 1		-	3 31
W23		20 49		13 59				21 55		17 52		15 47		23 16				22 12	-		19 0		-	
T 24		20 49		13 35				21 47		17 48		15 45		23 16				22 13	-		18 59		-	
F 25	18 59	19 22		13 15				21 39		17 44		15 42		23 16		6 24		22 14			18 59			
S 26	18 44	16 35	4 23	12 58	1 31	8 41	1 24	21 30	0 58	17 40	0 33	15 40	1 0	23 16	0 7	6 24	1 37	22 14	8 45	19 13	18 58	20 48	18 13	3 33
S 27	18 29	12 45	4 52	12 45	1 49	8 11	1 22	21 21	0.58	17 36	0 33	15 38	1 0	23 16	0 7	6 25	1 37	22 15	8 45	19 10	18 57	20 47	18 14	3 33
M28	18 14	8 12		-	2 6	-		21 11		17 32	0 33			23 16				22 15	8 45		18 56		-	
T 29	17 58	3 19		12 30	2 23		1 18			17 28				23 16		6 26		22 16	8 45		18 55			
W30	17 41	1n36	4 26	12 28	2 40	6 41	1 16	20 52	0 59	17 24	0 34	15 31	1 0	23 16	0 7	6 26	1 37	22 17	8 45	19 3	18 55	20 46	18 15	3 35
T 31	17 s25	6n16	3n45	12s31	2n54	6s11	1 s 1 4	20 s42	0s59	17s20	0 s34	15 s29	1 s 0	23n16	0n 7	6n27	1 s36	22n17	8n46	19s 1	18 s54	20n45	18s15	3n35

 $\label{eq:Julian Day Number = 2524228.5, Delta T = 162.02 sec} \\ Ecliptic obliquity = 23°24'43, Nutation = 0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°31'17, Lahiri = 26°38'17 \\$

FEBRUARY 2199 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)f(并	В	n	Ω	Ç	ę,	Day
F 1	8 45 17	12≈ 8'31	20Υ 2	17°R25	18) (26	2≈35	13≈34	20≈57	21°R26	20 Y 20	22°R24	25°R 1	24 M 33	23 II 52	9 ∡ 12	F 1
S 2	8 49 14	13° 9'28	2 8 32	16≈17	19°39	3°22	13°49	21° 5	21 II 25	20°22	22 \Omega 22	24M59	24°30	23°59	9°17	S 2
S 3	8 53 10	14°10'24	14°43	15° 5	20°51	4° 8	14° 3	21°12	21°24	20°23	22°21	24°D59	24°27	24° 5	9°22	S 3
M 4	8 57 7	15°11'19	26°41	13°50	22° 4	4°55	14°17	21°19	21°22	20°24	22°19	24°R59	24°23	24°12	9°27	M 4
T 5	9 1 3	16°12'12	8 II 30	12°36	23°16	5°42	14°31	21°26	21°21	20°25	22°18	24°58	24°20	24°19	9°31	T 5
W 6	9 5 0	17°13'04	20°17	11°24	24°29	6°28	14°46	21°33	21°20	20°26	22°16	24°56	24°17	24°25	9°36	W 6
T 7	9 8 56	18°13'55	295 6	10°17	25°41	7°15	15° 0	21°40	21°19	20°28	22°15	24°51	24°14	24°32	9°40	T 7
F 8	9 12 53	19°14'45	14° 2	9°15	26°54	8° 2	15°14	21°48	21°18	20°29	22°13	24°43	24°11	24°39	9°45	F 8
S 9	9 16 50	20°15'33	26° 6	8°19	28° 6	8°49	15°28	21°55	21°17	20°30	22°12	24°32	24° 8	24°45	9°49	S 9
S 10	9 20 46	21°16'20	8 Ω 23	7°31	29°18	9°35	15°43	22° 2	21°16	20°31	22°11	24°19	24° 4	24°52	9°53	S 10
M11	9 24 43	22°17'06	20°51	6°51	0 Υ 30	10°22	15°57	22° 9	21°15	20°33	22° 9	24° 5	24° 1	24°59	9°57	M11
T 12	9 28 39	23°17'50	3 Mp 32	6°20	1°42	11° 9	16°11	22°16	21°14	20°34	22° 8	23°51	23°58	25° 5	10° 1	T 12
W13	9 32 36	24°18'33	16°26	5°56	2°54	11°56	16°25	22°24	21°13	20°36	22° 6	23°38	23°55	25°12	10° 5	W13
T 14	9 36 32	25°19'15	29°30	5°41	4° 6	12°43	16°40	22°31	21°13	20°37	22° 5	23°27	23°52	25°19	10° 9	T 14
F 15	9 40 29	26°19'56	12 ≏ 45	5°33	5°17	13°30	16°54	22°38	21°12	20°39	22° 3	23°20	23°49	25°25	10°13	F 15
S 16	9 44 25	27°20'35	26°11	5°D33	6°29	14°16	17° 8	22°45	21°11	20°40	22° 2	23°15	23°45	25°32	10°17	S 16
S 17	9 48 22	28°21'14	9 M .47	5°40	7°40	15° 3	17°22	22°52	21°11	20°42	22° 0	23°13	23°42	25°39	10°20	S 17
M18	9 52 19	29°21'51	23°34	5°54	8°52	15°50	17°36	23° 0	21°10	20°43	21°59	23°13	23°39	25°45	10°24	M18
T 19	9 56 15	0 ∺ 22'27	7 . ₹33	6°13	10° 3	16°37	17°50	23° 7	21°10	20°45	21°58	23°13	23°36	25°52	10°27	T 19
W20	10 0 12	1°23'03	2 <u>1°</u> 44	6°38	11°14	17°24	18° 5	23°14	21° 9	20°46	21°56	23°12	23°33	25°59	10°31	W20
T 21	10 4 8	2°23'37	6 ප 5	7° 9	12°25	18°11	18°19	23°21	21° 9	20°48	21°55	23° 8	23°29	26° 5	10°34	T 21
F 22	10 8 5	3°24'09	20°33	7°44	13°36	18°58	18°33	23°28	21° 9	20°50	21°53	23° 2	23°26	26°12	10°37	F 22
S 23	10 12 1	4°24'41	5≈ 5	8°24	14°47	19°45	18°47	23°35	21° 8	20°51	21°52	22°53	23°23	26°19	10°40	S 23
S 24	10 15 58	5°25'11	19°34	9° 7	15°58	20°32	19° 1	23°43	21° 8	20°53	21°50	22°42	23°20	26°25	10°43	S 24
M25	10 19 54	6°25'39	3 ∺ 52	9°55	17° 8	21°20	19°15	23°50	21° 8	20°55	21°49	22°30	23°17	26°32	10°46	M25
T 26	10 23 51	7°26'06	17°55	10°46	18°19	22° 7	19°29	23°57	21° 8	20°56	21°48	22°18	23°14	26°39	10°48	T 26
W27	10 27 47	8°26'31	1 ° 37	11°40	19°29	22°54	19°43	24° 4	21° 8	20°58	21°46	22° 8	23°10	26°45	10°51	W27
T 28	10 31 44	9) 26'54	14 Y 55	12≈38	20 Y 39	23≈41	19≈57	24≈11	21°D 8	21 ° 0	$21\Omega 45$	22 M 0	23 m 7	26 Ⅱ 52	10 × 753	T 28

Day	0	D	ğ	·	♂	4	ħ)}(并	Р	V	v €	ķ
	decl	decl lat	decl lat	decl lat de	l lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
F 1 S 2	17s 8 16 51		12 s37 3n 7 12 47 3 18	5 s 40 1 s 12 20 s 5 9 1 9 20 s				23n15 0n 7 23 15 0 7				8 s 5 2 20 n 4 5 2 2 0 4 4	
$\begin{bmatrix} 3 & 2 \\ S & 3 \end{bmatrix}$	16 33			4 38 1 7 20			15 22 1 1	23 15 0 7				8 52 20 44	
M 4				4 8 1 4 20	0 1 1 17		-	23 15 0 7				8 51 20 43	
T 5	15 58	20 32 1 11	13 32 3 37	3 36 1 1 19	9 1 1 17	7 0 0 34	15 18 1 1	23 15 0 7	6 29 1 36	22 20 8 46	18 59 1	8 50 20 43	18 16 3 38
W 6			13 50 3 38	3 5 0 59 19				23 15 0 7	6 29 1 36			8 49 20 42	
T 7	-	20 21 3 3 18 53 3 49		2 34 0 56 19 1				23 15 0 7 23 15 0 7				8 48 20 42	
S 9	-		14 29 3 34 14 48 3 29	2 3 0 53 19 1 31 0 50 19	4 1 2 16 2 1 2 16		-	23 15 0 7 23 15 0 7				8 48 20 42 8 47 20 41	
S 10				1 0 0 47 18	- -			23 15 0 7				8 46 20 40	
M11 T 12	14 4 13 44	9 48 4 59 5 36 4 56	15 25 3 14 15 42 3 4	0 28 0 44 18 1 0n 3 0 41 18 1			-	23 15 0 7 23 15 0 7	6 32 1 36 6 33 1 36			8 45 20 40 8 45 20 39	
W13	13 24	1 6 4 37	15 57 2 54	0 34 0 38 18				23 15 0 7	6 33 1 36			8 44 20 39	
T 14	13 4	-	16 12 2 43	1 6 0 34 17			14 57 1 1	23 15 0 7				8 43 20 38	
F 15	12 44		16 25 2 31	1 37 0 31 17			14 55 1 1	23 15 0 7	0 3. 1 30			8 42 20 38	
S 16	12 23	12 14 2 18	16 37 2 19	2 9 0 28 17	3 1 4 16	6 14 0 35	14 53 1 1	23 15 0 7	6 35 1 36	22 26 8 47	18 34 1	8 41 20 37	18 16 3 45
S 17			16 47 2 7	2 40 0 24 17				23 15 0 7				8 41 20 37	
M18 T 19	11 41		16 56 1 54	3 11 0 21 17	5 1 4 16							8 40 20 36	
W20	11 20 10 58	20 19 1 15 20 45 2 25		3 43 0 17 16 4 14 0 14 16				23 14 0 7 23 14 0 7				8 39 20 36 8 38 20 35	
T 21		19 51 3 26		4 45 0 10 16					6 38 1 36			8 37 20 35	
F 22	10 15	17 39 4 15	17 16 1 5	5 16 0 6 16	9 1 5 15	5 49 0 36	14 39 1 2	23 14 0 7	6 39 1 36	22 29 8 47	18 31 1	8 37 20 34	18 15 3 48
S 23	9 53	14 20 4 47	17 17 0 53	5 47 0 2 15	4 1 5 15	5 45 0 36	14 37 1 2	23 14 0 7	6 39 1 35	22 30 8 47	18 28 1	8 36 20 34	18 15 3 49
S 24	9 31	10 10 5 1	17 17 0 42	6 18 On 1 15	9 1 5 15	5 41 0 36	14 35 1 2	23 14 0 7	6 40 1 35	22 30 8 47	18 26 1	8 35 20 33	18 14 3 50
M25	9 9		17 15 0 30	6 48 0 5 15				23 14 0 7				8 34 20 32	
T 26 W27	8 46			7 19 0 9 15				23 14 0 7 23 14 0 7	-			8 34 20 32 8 33 20 31	
T 28	8 24 8s 1	4n12 3 53 8n41 3n 3	17 8 0 9 17s 2 0s 2	7 49 0 13 14 3 8n19 0n17 14 s				23 14 0 7 23n14 0n 7				8 33 20 31 8 s32 20n31	

Julian Day Number = 2524259.5, Delta T = 162.11 sec Ecliptic obliquity = $23^{\circ}24'43$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'21$, Lahiri = $26^{\circ}38'21$

MARCH 2199 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	n	v	Ç	Ŷ,	Day
F 1	10 35 41	10) 27'16	27 Y 49	13≈38	21 Y 49	24≈28	20≈11	24≈18	21 I 8	21 ° 2	21°R44	21°R55	23M 4	26耳59	10 ₹ 56	F 1
S 2	10 39 37	11°27'36	10821	14°40	22°59	25°15	20°24	24°25	21° 8	21° 4	21 A 42	21 M 53	23° 1	27° 5	10°58	S 2
S 3	10 43 34	12°27'53	22°35	15°45	24° 9	26° 2	20°38	24°32	21° 8	21° 5	21°41	21°D52	22°58	27°12	11° 0	S 3
M 4	10 47 30	13°28'09	4 Ⅱ 35	16°52	25°19	26°49	20°52	24°39	21° 8	21° 7	21°40	21°52	22°55	27°19	11° 2	M 4
T 5	10 51 27	14°28'23	16°26	18° 2	26°28	27°36	21° 6	24°46	21° 9	21° 9	21°38	21°R52	22°51	27°25	11° 4	T 5
W 6	10 55 23	15°28'34	28°15	19°13	27°38	28°24	21°19	24°53	21° 9	21°11	21°37	21°52	22°48	27°32	11° 6	W 6
T 7	10 59 20	16°28'44	1095 6	20°27	28°47	29°11	21°33	25° 0	21° 9	21°13	21°36	21°49	22°45	27°39	11° 8	T 7
F 8	11 3 16	17°28'52	22° 5	21°42	29°56	29°58	21°47	25° 6	21°10	21°15	21°34	21°43	22°42	27°45	11°10	F 8
S 9	11 7 13	18°28'57	4Ω14	22°58	18 5	0) 45	22° 0	25°13	21°10	21°17	21°33	21°36	22°39	27°52	11°11	S 9
S 10	11 11 10	19°29'00	16°39	24°17	2°14	1°32	22°14	25°20	21°11	21°19	21°32	21°26	22°35	27°59	11°13	S 10
M11	11 15 6	20°29'02	29°19	25°37	3°22	2°19	22°27	25°27	21°11	21°21	21°31	21°15	22°32	28° 5	11°14	M11
T 12	11 19 3	21°29'01	12 m)17	26°58	4°31	3° 6	22°41	25°34	21°12	21°23	21°29	21° 4	22°29	28°12	11°15	T 12
W13	11 22 59	22°28'59	25°31	28°21	5°39	3°54	22°54	25°40	21°13	21°25	21°28	20°54	22°26	28°19	11°16	W13
T 14	11 26 56	23°28'54	8 ≏ 59	29°46	6°47	4°41	23° 7	25°47	21°14	21°27	21°27	20°45	22°23	28°26	11°17	T 14
F 15	11 30 52	24°28'48	22°39	1)(11	7°55	5°28	23°21	25°54	21°14	21°29	21°26	20°40	22°20	28°32	11°18	F 15
S 16	11 34 49	25°28'40	6M28	2°38	9° 2	6°15	23°34	26° 0	21°15	21°31	21°25	20°36	22°16	28°39	11°19	S 16
S 17	11 38 45	26°28'30	20°24	4° 7	10°10	7° 2	23°47	26° 7	21°16	21°33	21°23	20°D36	22°13	28°46	11°20	S 17
M18	11 42 42	27°28'19	4 ₹ 25	5°37	11°17	7°49	24° 0	26°13	21°17	21°35	21°22	20°36	22°10	28°52	11°20	M18
T 19	11 46 39	28°28'06	18°30	7° 8	12°24	8°36	24°13	26°20	21°18	21°37	21°21	20°37	22° 7	28°59	11°21	T 19
W20	11 50 35	29°27'51	2 궁 38	8°40	13°31	9°24	24°26	26°26	21°19	21°40	21°20	20°R37	22° 4	29° 6	11°21	W20
T 21	11 54 32	0 Υ 27'35	16°47	10°14	14°38	10°11	24°39	26°33	21°20	21°42	21°19	20°36	22° 0	29°12	11°21	T 21
F 22	11 58 28	1°27'17	0≈56	11°49	15°44	10°58	24°52	26°39	21°21	21°44	21°18	20°33	21°57	29°19	11°22	F 22
S 23	12 2 25	2°26'57	15° 2	13°25	16°50	11°45	25° 5	26°45	21°23	21°46	21°17	20°27	21°54	29°26	11°R22	S 23
S 24	12 6 21	3°26'35	29° 2	15° 2	17°56	12°32	25°17	26°52	21°24	21°48	21°16	20°20	21°51	29°32	11°22	S 24
M25	12 10 18	4°26'12	12 米 53	16°41	19° 2	13°19	25°30	26°58	21°25	21°50	21°15	20°13	21°48	29°39	11°22	M25
T 26	12 14 14	5°25'47	26°31	18°21	20° 7	14° 6	25°43	27° 4	21°27	21°53	21°14	20° 5	21°45	29°46	11°21	T 26
W27	12 18 11	6°25'19	9 Υ 52	20° 2	21°13	14°53	25°55	27°10	21°28	21°55	21°13	19°58	21°41	29°52	11°21	W27
T 28	12 22 8	7°24'50	22°56	21°45	22°18	15°41	26° 8	27°16	21°29	21°57	21°12	19°53	21°38	29°59	11°20	T 28
F 29	12 26 4	8°24'18	5841	23°29	23°22	16°28	26°20	27°22	21°31	21°59	21°11	19°50	21°35	095 6	11°20	F 29
S 30	12 30 1	9°23'45	18° 9	25°14	24°27	17°15	26°33	27°28	21°32	22° 1	21°10	19°D49	21°32	0°12	11°19	S 30
S 31	12 33 57	10 Y 23'09	0 Ⅲ 21	27 ∺ 0	25 8 31	18 ∺ 2	26≈45	27 ≈ 34	21 Ⅲ 34	22 ° 4	218 9	19 M 50	21 M 29	09519	11 × 18	S 31

Day	0	D	ğ	Q		3	2	ł	ħ	1)į	β (卉	Р)	IJ	Ω	Ç	ď	5
	decl	decl lat	decl la	at decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	lat	decl	decl	decl	decl	lat
F 1 S 2	7 s38 7 15			0s12 8n49 0 21 9 19	0n21 14s23		15 s 19 15 15			1 s 2 1 3	23n14 23 14			5 22n33 5 22 33		18 s14 18 13				3n53 3 53
S 3				0 31 9 49	0 29 13 52		15 11		14 19	1 3				5 22 34		18 13				3 54
M 4	6 29			0 40 10 18	0 34 13 36	-		0 37	14 17	1 3	_		6 46 1 3			18 13				3 55
T 5 W 6	6 6 5 43	20 37 2 7 20 23 3 1	-	0 48 10 47 0 57 11 16	0 38 13 20 0 42 13 4			0 37 0 37	14 14 14 12	1 3	-		6 46 1 3 6 47 1 3			18 13 18 13				3 55 3 56
T 7	5 20		15 41	1 5 11 45	0 46 12 47			0 37	-	1 3	_	0 7		5 22 35		18 12				3 57
F 8 S 9	4 56 4 33	17 15 4 25 14 28 4 50	-	1 12 12 13 1 19 12 42	0 50 12 31 0 55 12 14		14 49 14 45	0 37 0 37	14 8 14 6	1 3				5 22 36 5 22 36	8 47 8 47	18 10 18 8		20 26 20 25		3 57 3 58
S 10 M11	4 10 3 46	11 1 5 3 7 0 5 1	- 1	1 26 13 9 1 32 13 37	0 59 11 58	1 7	14 41 14 36	0 38 0 38	-	1 3 1 3			6 50 1 3 6 51 1 3	5 22 37 5 22 37	8 47 8 47			20 25 20 24	18 9 18 9	3 59 3 59
T 12	3 22	2 34 4 44	- 1	1 38 14 4	1 8 11 24	-		0 38		1 4	23 15			5 22 37	8 47	18 0	18 22	20 23	18 8	4 0
W13 T 14	2 59 2 35	2s 3 4 11 6 40 3 24		1 44 14 31 1 49 14 58	1 12 11 7 1 16 10 50	1 7 1 7		0 38 0 38		1 4				5 22 38 5 22 38		17 58 17 55				4 1
F 15	2 11			1 54 15 24	1 21 10 30			0 38		1 4				5 22 38		17 54				4 2
S 16	1 48	14 50 1 15	12 21	1 58 15 50	1 25 10 15	1 7	14 15	0 38	13 50	1 4	23 15	0 7	6 55 1 3	5 22 39	8 47	17 53	18 19	20 21	18 6	4 3
S 17 M18				2 2 16 16 2 6 16 41	1 29 9 58 1 34 9 40		14 11 14 7	0 39 0 39		1 4 1 4				5 22 39		17 53 17 53				4 3
T 19	1 0 0 37	20 31 2 24		2 6 16 41 2 9 17 6	1 34 9 40		. ,	0 39		1 4			6 56 1 3 6 57 1 3			17 53				4 4
W20	0 13	19 57 3 26		2 11 17 30	1 42 9 5	1 7		0 39	-	1 4		0 7	6 58 1 3			17 53				4 5
T 21 F 22	0n11	18 7 4 16 15 12 4 50		2 14 17 55 2 15 18 18	1 47 8 47 1 51 8 29	-		0 39		1 5			6 59 1 3 7 0 1 3			17 53 17 52				4 6
S 23		11 25 5 6		2 17 18 41	1 55 8 11		13 46		13 36	1 5 1 5	23 15 23 15	. ,		5 22 40		17 51				4 7
S 24	1 22	7 2 5 4		2 18 19 4	2 0 7 53		13 42		13 34		23 15	0 8		5 22 41		17 49				4 8
M25 T 26	1 46 2 9	2 20 4 44 2n25 4 8	,	2 18 19 27 2 18 19 49	2 4 7 35 2 8 7 17			0 40 0 40		1 5 1 5			7 2 1 3 7 3 1 3			17 47 17 45				4 8
W27	2 33	-	-	2 18 19 49 2 18 20 10	2 13 6 59	-		0 40		1 5			7 4 1 3			17 43				4 10
T 28	2 56			2 17 20 31	2 17 6 40		-	0 40		1 5			7 5 1 3			17 41		20 13		4 10
F 29 S 30	3 20	14 36 1 16 17 22 0 9		2 16 20 52 2 14 21 12	2 21 6 22 2 5 6 4		13 21 13 17	0 40 0 40			23 16 23 16		7 5 1 3 7 6 1 3	5 22 42 5 22 42		17 41 17 40		20 12 20 11		4 11 4 12
S 31		19n16 0s57		2 14 21 12 2s12 21n32	2 23 6 2 2n29 5 s45		13 17 13 s13				23 16 23n16			5 22 42 5 22n42		17 s40				

Julian Day Number = 2524287.5, Delta T = 162.18 sec Ecliptic obliquity = 23°24'43, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'25$, Lahiri = $26^{\circ}38'25$

APRIL 2199 00:00 UT

Day Sidt Co Dy Sy Cy Cy Cy Cy Cy Cy C																	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Day	Sid.t	0	D	ğ	·	♂ [™]	4	ħ)Å(并	Р	ß	ಬ	Ç	δ,	Day
W 3 12 45 47 13°21'08 6€ 2 4 2°28 28°42 20°23 27°21 27°52 21°39 22°10 21° 7 19°54 21°10 0°39 11°16 W 3 T 4 12 49 43 14°2023 17°56 4°20 29°45 21°10 27°33 27°57 21°41 22°13 21° 6 19°853 21°13 0°52 11°14 T 4 5 12 53 40 15°19'36 29°56 6°13 0ff47 21°57 27°45 28° 9 21°45 22°17 21° 5 19°50 21°10 0°59 11°12 8° 8 1°10 4°2°52 23°31 28° 9 28°14 21°47 22°19 21° 4 19°46 21° 6 1° 6 11° 10 8° 11° 10 8° 8 11° 10 2° 23° 23° 1 28° 9 28°14 21° 47 22°19 21° 4 19°46 21° 2 1° 10° 10 8° 11° 10 8° 10° 10° 10° 10° 10° 10° 10° 10° 10° 10	M 1	12 37 54	11 Y 22'31	12 Ⅱ 22		26 8 35	18) (49	26≈57	27≈40	21 II 36			19 M 51	21 M 26			M 1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	T 2	12 41 50	12°21'51	24°14	0 Ƴ 37	27°38	19°36	27° 9	27°46	21°37	22° 8		19°53	21°22			T 2
F 5 12 53 40 15°19'36 29°56 6°13 0Π47 21°57 27°45 28° 3 21°43 22°15 21° 5 19°53 21°13 0°52 11°13 F 5 S 6 12 57 36 16°18'47 12Ω 7 8° 8 1°50 22°44 27°57 28° 9 21°45 22°17 21° 5 19°50 21°10 0°59 11°10 S 6 S 7 13 1 33 17°17'55 24°34 10° 4 22°52 23°31 28° 9 21°45 22°17 21° 4 19°46 21° 6 1° 6 11°10 S 7 S 8 S 8 1° 50 12° 1 3°53 24°18 28° 2 28°20 28°20 21°49 22°22 21° 3 19°41 21° 3 1°12 11° 9 M 8 S 13 5 30 18°17'01 70°20 12° 1 3°53 24°18 28° 2 28°20 28°20 21°49 22°22 21° 3 19°41 21° 3 1°12 11° 9 M 8 S 7 9 13° 9.26 19°16'04 20°28 14° 0 4°55 25° 4 28°32 28°25 21°51 22°24 21° 3 19°36 21° 0 1°19 11° 7 7 9 M 10 13 13 23 20°15'06 3Ω-56 16° 0 5°55 25°51 28°43 28°30 21°55 22°28 21° 1 19°28 20°54 1°23 11° 3 111 11° 19 11° 19 11° 19 11° 19 11° 10 11° 11° 11° 19 1	W 3	12 45 47	13°21'08	6 95 4	2°28	28°42	20°23	27°21	27°52	21°39	22°10	21° 7	19°54	21°19	0°39	11°16	W 3
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	T 4	12 49 43	14°20'23	17°56	4°20	29°45	21°10	27°33	27°57	21°41	22°13	21° 6	19°R54	21°16	0°46	11°14	T 4
S 7 13 133 17°17'55 24°34 10° 4 2°52 23°31 28° 9 28°14 21°47 22°19 21° 4 19°46 21° 6 1° 6 11°10 S 7 M 8 13 5 30 18°17'01 7mp20 12° 1 3°53 24°18 28°20 28°20 21°49 22°22 21° 3 19°41 21° 3 1°12 11° 9 M 8 T 9 13 9 26 19°16'04 20°28 14° 0 4°55 25° 4 28°32 28°51 22°24 21° 3 19°36 21° 0 11° 19 11° 7 T 9 W10 13 13 23 20°16 16° 0 5°55 25°51 28°43 28°31 22°26 21° 2 19°32 20°57 1°26 11° 5 W10 T11 13 179 21°14'05 17°44 18° 1 6°56 25°32 29°6 28°41 21°57 22°31 21° 1 19°28 20°51 11°3	F 5	12 53 40	15°19'36	29°56		0 Ⅱ 47	21°57	27°45	28° 3	21°43	22°15	21° 5	19°53	21°13	0°52	11°13	F 5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 6	12 57 36	16°18'47	12Ω 7	8° 8	1°50	22°44	27°57	28° 9	21°45	22°17	21° 5	19°50	21°10	0°59	11°12	S 6
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 7	13 133	17°17'55	24°34	10° 4	2°52	23°31	28° 9	28°14	21°47	22°19	21° 4	19°46	21° 6	1° 6	11°10	S 7
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	M 8	13 5 30	18°17'01	7 m 20	12° 1	3°53		28°20	28°20	21°49			19°41	21° 3	1°12		
T11	T 9	13 9 26	19°16'04	20°28	14° 0	4°55	25° 4	28°32	28°25	21°51	22°24	21° 3	19°36	21° 0	1°19	11° 7	T 9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		13 13 23									-					_	
\$\begin{array}{c c c c c c c c c c c c c c c c c c c					-						_						
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	F 12	13 21 16	22°13'02				27°25		28°41	21°57	_		19°26	20°51			
M15	S 13	13 25 12	23°11'58	16° 4	22° 6	8°56	28°12	29°17	28°46	21°59	22°33	21° 0	19°D25	20°47	1°46	10°59	S 13
T16	S 14					,								20°44			S 14
W17																	_
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	T 16	13 37 2			-	11°52	0 Υ 32		-		-	20°59	-	20°38			-
F 19													-				
\$\begin{array}{c c c c c c c c c c c c c c c c c c c							_	-	-	-			-				
\$\begin{array}{c c c c c c c c c c c c c c c c c c c										_							,
M22	S 20	13 52 48	0 8 3'37	25°38	6°47	15°41	3°39	0°32	29°21	22°15	22°49	20°57	19°27	20°25	2°32	10°43	S 20
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	S 21	13 56 45	1° 2'18	9) 15	8°53	16°37	4°25	0°43	29°25	22°18	22°51	20°57	19°25	20°22	2°39	10°40	S 21
W24	M22	14 041	2° 0'58				5°12					20°56		20°19			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_				_			_									_
F 26	W24	14 8 34	3°58'12			19°21	6°45	1°13	29°39	-		20°56	19°18	20°12			W24
8 27 14 20 24 6°53′50 26°19 20°57 22° 0 9° 4 1°43 29°52 22°34 23° 5 20°55 19°16 20° 3 3°19 10°22 S 27 8 28 14 24 21 7°52′19 8 II 25 22°50 22°52 9°51 1°52 29°56 22°36 23° 7 20°55 19°17 20° 0 3°26 10°19 S 28 M29 14 28 17 8°50′46 20°22 24°40 23°43 10°37 2° 2 29°59 22°39 23° 9 20°55 19°18 19°57 3°33 10°16 M29	T 25	14 12 31	4°56'47		-, -			_		_		20°56					
S 28	F 26	14 16 28	5°55'19	14° 2				1°33	29°47	_	_	20°55	19°D16	20° 6			-
M29 14 28 17 8°50'46 20°22 24°40 23°43 10°37 2° 2 29°59 22°39 23° 9 20°55 19°18 19°57 3°33 10°16 M29	S 27	14 20 24	6°53'50	26°19	20°57	22° 0	9° 4	1°43	29°52	22°34	23° 5	20°55	19°16	20° 3	3°19	10°22	S 27
						-		_									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$													-	-, -,			
	T 30	14 32 14	9849'10	29514	26 8 26	24 Ⅱ 33	11 Y 24	2) (11	0) (4	22 II 42	23 Y 11	20 N 55	19 M .19	19 M 53	3939	10 才 12	T 30

Day	0	D	ğ	Q	ð	4	ħ)Å(卉	В	ก	ນ ¢	ę ,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl de	cl decl lat
M 1	4n30	20n16 2s 0	2s27 2s	9 21n51 2n33	5 s27 1 s 7	13s 9 0s41	13s18 1s 6	23n16 On 8	7n 8 1s35	22n43 8n45	17 s41	18s 6 20n	10 17 s 56 4n 13
T 2	4 53	20 21 2 57	1 40 2	6 22 10 2 37	5 8 1 7	13 5 0 41	13 16 1 6	23 16 0 8	7 9 1 35	22 43 8 45	17 41	18 5 20	9 17 55 4 14
W 3	5 16	19 31 3 46	0 53 2	2 22 28 2 41	4 50 1 7	13 1 0 41	13 14 1 6	23 16 0 8	7 10 1 35	22 43 8 45	17 42	18 4 20	9 17 54 4 14
T 4	5 39	17 50 4 25	0 5 1 5	57 22 46 2 45	4 31 1 6		13 12 1 6		7 10 1 35		17 42		8 17 53 4 15
F 5	6 2	15 21 4 54	0n45 1 5		4 12 1 6		13 11 1 7		7 11 1 35		17 41		7 17 53 4 16
S 6	6 24	12 11 5 9	1 35 1 4	47 23 20 2 53	3 54 1 6	12 49 0 42	13 9 1 7	23 17 0 8	7 12 1 35	22 43 8 45	17 41	18 2 20	6 17 52 4 16
S 7	6 47	8 25 5 11	2 25 1 4	42 23 36 2 57	3 35 1 6	12 46 0 42	13 7 1 7	23 17 0 8	7 13 1 35	22 43 8 44	17 40	18 1 20	6 17 51 4 17
M 8	7 10	4 12 4 58	3 17 1 3	35 23 51 3 0	3 16 1 6	12 42 0 42	13 5 1 7	23 17 0 8	7 14 1 35	22 43 8 44	17 38	18 0 20	5 17 50 4 17
T 9	7 32	0s20 4 29	4 9 1 2	28 24 6 3 4	2 58 1 6	12 38 0 42	13 4 1 7	23 17 0 8	7 15 1 35	22 44 8 44	17 37	17 59 20	4 17 49 4 18
W10	7 54	4 59 3 44	5 2 1 2	21 24 21 3 8		12 34 0 42			7 15 1 35				4 17 49 4 19
T 11	8 16	9 30 2 45	5 56 1	13 24 35 3 11	2 20 1 5	12 30 0 42	13 0 1 7		7 16 1 35	22 44 8 44	17 35	17 58 20	3 17 48 4 19
F 12	8 38			5 24 48 3 14	2 1 1 5				7 17 1 35				2 17 47 4 20
S 13	9 0	16 55 0 18	7 44 0 3	56 25 1 3 18	1 43 1 5	12 23 0 43	12 57 1 8	23 18 0 8	7 18 1 35	22 44 8 44	17 34	17 56 20	1 17 46 4 20
S 14	9 22	19 14 1n 0	8 38 0 4	47 25 13 3 21	1 24 1 5	12 19 0 43	12 55 1 8	23 18 0 8	7 19 1 35	22 44 8 43	17 34	17 55 20	1 17 45 4 21
M15	9 44	20 19 2 16	9 33 0 3	37 25 25 3 24	1 5 1 5	12 15 0 43	12 53 1 8	23 18 0 8	7 20 1 35	22 44 8 43	17 34	17 54 20	0 17 44 4 22
T 16	10 5	20 2 3 22	10 27 0 2	28 <mark>25 36</mark> 3 27	0 46 1 4	12 12 0 43	12 52 1 8	23 18 0 8	7 20 1 35	22 44 8 43	17 34	17 53 19 3	59 17 43 4 22
W17	10 26	18 29 4 16	11 21 0	17 25 47 3 30	0 28 1 4	12 8 0 44	12 50 1 8		7 21 1 35	22 44 8 43	17 35	17 52 19 3	58 17 42 4 23
T 18	10 47	15 48 4 53	12 15 0	7 25 57 3 33	0 9 1 4	12 4 0 44	12 49 1 8		7 22 1 35			17 52 19 3	
F 19	11 8			4 26 7 3 36	0n10 1 4				7 23 1 35			17 51 19 3	
S 20	11 29	8 2 5 13	14 0 0	15 26 16 3 39	0 29 1 4	11 57 0 44	12 46 1 9	23 19 0 8	7 24 1 35	22 44 8 43	17 34	17 50 19 3	56 17 40 4 25
S 21	11 49	3 30 4 57	14 51 0 2	26 <mark>26 24</mark> 3 41	0 47 1 3	11 54 0 44	12 44 1 9	23 19 0 8	7 25 1 35	22 44 8 42	17 34	17 49 19 :	55 17 39 4 25
M22	12 10	1n 8 4 24	15 41 0 3	37 <mark>26 32</mark> 3 44	1 6 1 3	11 50 0 44	12 43 1 9	23 19 0 8	7 25 1 35	22 44 8 42	17 33	17 48 19 3	54 17 38 4 26
T 23	12 30	5 39 3 38	16 29 0 4	48 26 40 3 46	1 25 1 3	11 47 0 45	12 41 1 9	23 19 0 8	7 26 1 35	22 44 8 42	17 33	17 47 19 :	54 17 37 4 26
W24	12 50	9 50 2 41	17 16 0 5	58 <mark>26 46</mark> 3 48	1 43 1 3	11 44 0 45	12 40 1 9	23 19 0 8	7 27 1 35	22 44 8 42	17 32	17 47 19 :	53 17 36 4 27
T 25	13 9	13 30 1 37	18 1 1	9 26 53 3 50	2 2 1 2	11 40 0 45	12 39 1 10	23 19 0 8	7 28 1 35	22 44 8 42	17 32	17 46 19 3	52 17 35 4 27
F 26	13 29	16 30 0 29			2 20 1 2	11 37 0 45			7 29 1 35			17 45 19 3	
S 27	13 48	18 41 0s39	19 24 1 2	29 27 4 3 54	2 39 1 2	11 34 0 45	12 36 1 10	23 20 0 8	7 29 1 35	22 43 8 41	17 31	17 44 19 :	50 17 33 4 28
S 28	14 7	19 58 1 44	20 2 1 3	38 <mark>27 8</mark> 3 55	2 57 1 1	11 30 0 46	12 35 1 10	23 20 0 8	7 30 1 35	22 43 8 41	17 32	17 43 19 3	50 17 32 4 29
M29	14 26	20 20 2 44	20 38 1 4	47 <mark>27 12</mark> 3 57	3 16 1 1	11 27 0 46	12 33 1 10	23 20 0 8	7 31 1 35	22 43 8 41	17 32	17 42 19 4	19 17 31 4 29
T 30	14n44	19n47 3 s 3 6	21n12 1n5	55 27n16 3n58	3n34 1s 1	11 s24 0 s46	12 s32 1 s11	23n20 On 8	7n32 1s35	22n43 8n41	17 s32	17 s41 19n4	48 17 s30 4n30

 $\label{eq:Julian Day Number = 2524318.5, Delta T = 162.26 sec} \\ Ecliptic obliquity = 23°24'43, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°31'29, Lahiri = 26°38'29 \\$

MAY 2199 00:00 UT

Day	Sid.t	0	D	ğ	·	δ	4	ħ)ф(并	В	r	v	Ç	Š,	Day
W 1	14 36 10	10847'33	1499 4	28 岁 9	25Ⅲ23	12Υ10	2) 20	0 ∺ 7	22 II 45	23 Υ 13	20°R55	19 M 20	19 M .50	39546	10°R 9	W 1
T 2	14 40 7	11°45'54	25°56	29°49	26°11	12°56	2°29	0°11	22°48	23°16	$20\Omega55$	19°20	19°47	3°53	10 x 5	T 2
F 3	14 44 3	12°44'12	7Ω 55	1∏24	26°59	13°42	2°38	0°15	22°50	23°18	20°D55	19°R21	19°44	3°59	10° 2	F 3
S 4	14 48 0	13°42'29	20° 5	2°56	27°46	14°29	2°47	0°19	22°53	23°20	20°55	19°21	19°41	4° 6	9°58	S 4
S 5	14 51 57	14°40'43	2 m 31	4°23	28°33	15°15	2°56	0°22	22°56	23°22	20°55	19°20	19°37	4°13	9°54	S 5
M 6	14 55 53	15°38'56	15°16	5°47	29°18	16° 1	3° 5	0°26	22°59	23°24	20°55	19°20	19°34	4°19	9°51	M 6
T 7	14 59 50	16°37'06	28°24	7° 6	0	16°47	3°13	0°29	23° 2	23°26	20°55	19°20	19°31	4°26	9°47	T 7
W 8	15 3 46	17°35'15	11 ≏ 57	8°21	0°46	17°33	3°21	0°32	23° 5	23°28	20°55	19°19	19°28	4°33	9°43	W 8
T 9	15 7 43	18°33'21	25°54	9°31	1°28	18°19	3°30	0°35	23° 8	23°31	20°55	19°19	19°25	4°39	9°39	T 9
F 10	15 11 39	19°31'26	10 M .14	10°37	2°10	19° 5	3°38	0°38	23°11	23°33	20°55	19°D19	19°22	4°46	9°35	F 10
S 11	15 15 36	20°29'29	24°51	11°38	2°50	19°51	3°45	0°41	23°15	23°35	20°56	19°R19	19°18	4°53	9°31	S 11
S 12	15 19 32	21°27'31	9 ∡ 139	12°35	3°29	20°37	3°53	0°44	23°18	23°37	20°56	19°19	19°15	5° 0	9°27	S 12
M13	15 23 29	22°25'31	24°31	13°27	4° 7	21°22	4° 1	0°47	23°21	23°39	20°56	19°19	19°12	5° 6	9°23	M13
T 14	15 27 26	23°23'30	9 ට 20	14°15	4°43	22° 8	4° 8	0°50	23°24	23°41	20°57	19°19	19° 9	5°13	9°19	T 14
W15	15 31 22	24°21'27	23°59	14°57	5°19	22°54	4°16	0°53	23°27	23°43	20°57	19°18	19° 6	5°20	9°15	W15
T 16	15 35 19	25°19'23	8≈22	15°35	5°53	23°40	4°23	0°55	23°30	23°45	20°57	19°18	19° 3	5°26	9°11	T 16
F 17	15 39 15	26°17'18	22°27	16° 8	6°26	24°25	4°30	0°58	23°34	23°47	20°58	19°D18	18°59	5°33	9° 7	F 17
S 18	15 43 12	27°15'12	6 ∺ 12	16°36	6°57	25°11	4°37	1° 0	23°37	23°49	20°58	19°18	18°56	5°40	9° 2	S 18
S 19	15 47 8	28°13'04	19°38	16°59	7°27	25°56	4°44	1° 2	23°40	23°51	20°58	19°18	18°53	5°46	8°58	S 19
M20	15 51 5	29°10'55	2 Υ 46	17°17	7°55	26°42	4°50	1° 5	23°44	23°53	20°59	19°19	18°50	5°53	8°54	M20
T 21	15 55 1	0耳 8'45	15°37	17°30	8°22	27°27	4°57	1° 7	23°47	23°55	20°59	19°20	18°47	6° 0	8°49	T 21
W22	15 58 58	1° 6'33	28°14	17°38	8°47	28°13	5° 3	1° 9	23°50	23°57	21° 0	19°21	18°43	6° 6	8°45	W22
T 23	16 2 55	2° 4'21	10838	17°R41	9°11	28°58	5° 9	1°11	23°54	23°58	21° 0	19°21	18°40	6°13	8°41	T 23
F 24	16 651	3° 2'07	22°52	17°40	9°33	29°44	5°15	1°12	23°57	24° 0	21° 1	19°R22	18°37	6°20	8°36	F 24
S 25	16 10 48	3°59'52	4 Ⅱ 57	17°34	9°53	0829	5°21	1°14	24° 0	24° 2	21° 2	19°21	18°34	6°26	8°32	S 25
S 26	16 14 44	4°57'36	16°55	17°23	10°11	1°14	5°27	1°16	24° 4	24° 4	21° 2	19°20	18°31	6°33	8°28	S 26
M27	16 18 41	5°55'18	28°48	17° 9	10°27	1°59	5°32	1°17	24° 7	24° 6	21° 3	19°18	18°28	6°40	8°23	M27
T 28	16 22 37	6°52'59	10939	16°50	10°41	2°45	5°37	1°19	24°11	24° 8	21° 4	19°15	18°24	6°47	8°19	T 28
W29	16 26 34	7°50'39	22°29	16°28	10°53	3°30	5°43	1°20	24°14	24° 9	21° 4	19°12	18°21	6°53	8°15	W29
T 30	16 30 30	8°48'17	$4\Omega 22$	16° 3	11° 3	4°15	5°48	1°21	24°18	24°11	21° 5	19° 9	18°18	7° 0	8°10	T 30
F 31	16 34 27	9 Ⅲ 45'53	$16\Omega 20$	15 Ⅱ 35	119911	5 8 0	5 ∺ 52	1 ∺ 22	24∏21	24 Y 13	21 0 6	19 M 7	18 M .15	799 7	8 才 6	F 31

Day	0	D	ğ	ç)	3	2	ŀ	ħ	<u> </u>)į	β(¥		Р	n	v	Ç	ķ	
	decl	decl lat	decl	lat decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl lat	de	l lat	decl	decl	decl	decl	lat
W 1 T 2	15n 3 15 21		21n43 22 12	2n 3 27n19 2 10 27 22	3n59 3n52 4 0 4 11	-	11 s21 11 18	0 s46 0 47	12 s31 12 30		23n20 23 21	0n 8 0 8	7n33 1 s	35 22n ²	-	17 s32 17 33				4n30 4 31
F 3 S 4	15 39 15 56		22 38 23 1	2 16 27 24 2 21 27 25	4 1 4 29 4 2 4 43	-	11 15 11 12	0 47 0 47	12 29 12 28		23 21 23 21	0 8 0 8	7 34 1 1 7 35 1 1	35 22 4 35 22 4		17 33 17 33				4 31 4 32
S 5 M 6	16 13 16 30	1 24 4 46	23 23 23 23 23 23 23 23 23	2 25 27 27 2 29 27 27	4 2 5 5 4 3 5 23		11 6	0 47	-	1 12	23 21 23 21	0 8	7 37 1	-	2 8 40	17 33 17 32	17 36	19 43	17 24	4 32 4 33
T 7 W 8 T 9	16 47 17 4 17 20	7 41 3 13 11 58 2 6	7 23 58 8 24 12 5 24 24	2 32 27 27 2 33 27 27 2 34 27 27	4 3 5 41 4 3 5 59 4 2 6 13	0 58	11 0 10 58	0 48 0 48	12 24 12 23	1 12 1 12	23 21 23 22 23 22	0 8	7 39 1	35 22 4 35 22 4	2 8 40 1 8 39	17 32 17 32 17 32	17 35 17 34	19 41 19 40	17 22 17 21	4 33 4 34 4 34
F 10 S 11	17 36 17 51		24 33 24 41	2 34 27 25 2 33 27 24	4 2 6 35 4 1 6 52		10 55 10 52		12 22 12 21		23 22 23 22			35 22 4 35 22 4		17 32 17 32				4 35 4 35
S 12 M13 T 14 W15 T 16	18 36 18 50 19 4	20 15 3 3 19 2 4 3 16 34 4 4 13 8 5 12	3 24 51 7 24 51 2 24 49	2 31 27 22 2 27 27 19 2 23 27 17 2 18 27 14 2 11 27 10	4 0 7 10 3 59 7 27 3 57 7 45 3 55 8 2 3 53 8 19	0 56 0 56 0 55 0 55	10 45 10 42 10 40	0 49 0 49 0 49 0 49	12 19 12 18 12 17 12 17	1 13 1 13 1 13 1 13	23 23 23 23 23 23	0 8 0 8 0 8 0 8	7 42 1 7 43 1 7 44 1	35 22 4 35 22 4 35 22 4	0 8 39 0 8 39 0 8 38 0 8 38	17 32 17 32 17 32 17 32 17 32	17 30 17 29 17 29 17 28	19 37 19 36 19 35 19 34	17 17 17 16 17 15 17 14	4 35 4 36 4 36 4 37 4 37
F 17 S 18	19 18 19 31		24 45 1 24 39	2 4 27 6 1 56 27 2	3 51 8 37 3 48 8 54	0 54	10 35	0 50 0 50	12 16 12 15		23 23	0 8	7 45 1 7 45 1 1	35 22 3 35 22 3	9 8 38	17 32 17 32	17 26	19 33	17 12	4 37 4 38
S 19 M20 T 21 W22 T 23 F 24 S 25	20 44	4 37 3 51 8 51 2 50 12 37 1 54 15 46 0 48 18 9 0 s19	4 24 32 5 24 13 4 24 1 8 23 48 9 23 34 5 23 19	1 46 26 57 1 36 26 52 1 24 26 47 1 12 26 42 0 58 26 36 0 44 26 30 0 29 26 23	3 46 9 11 3 42 9 27 3 39 9 44 3 35 10 13 3 31 10 13 3 26 10 34 3 21 10 50	0 53 0 52 0 52 0 51	10 31 10 29 10 27 10 24 10 23	0 51 0 51 0 51 0 51 0 52	12 14 12 14 12 13 12 13	1 14 1 14 1 15 1 15 1 15	23 24 23 24 23 24	0 8 0 8 0 8 0 8	7 47 1 7 47 1 7 48 1 7 49 1 7 49 1 1	35 22 3 35 22 3 35 22 3 35 22 3 35 22 3 35 22 3 36 22 3	8 8 37 8 8 37 8 8 37 7 8 37 7 8 37	17 32 17 32 17 33 17 33 17 33 17 33	17 24 17 23 17 22 17 22 17 21	19 31 19 30 19 29 19 28 19 27	17 10 17 9 17 8 17 7 17 7	4 38 4 38 4 39 4 39 4 39 4 40 4 40
W29 T 30	21 6 21 16 21 26 21 36 21 45 21n53	18 53 4 3 16 54 4 42 14 13 5 5	22 44 7 22 26	0 13 26 17 0s 3 26 10 0 20 26 2 0 37 25 55 0 55 25 47 1s13 25n39	3 16 11 0 3 10 11 22 3 4 11 38 2 58 11 54 2 51 12 10 2n43 12n23	0 50 0 49 0 49 0 48	10 19 10 17 10 15 10 14 10 12 10s11	0 52 0 53 0 53 0 53	12 11 12 11 12 11 12 10 12 10 12 s10		23 25 23 25	0 8 0 8 0 8 0 8	7 51 1 7 52 1 7 52 1 7 53 1	36 22 3 36 22 3 36 22 3 36 22 3 36 22 3	6 8 36 6 8 36 5 8 36 5 8 36	17 32 17 32 17 31 17 30 17 30 17 s29	17 18 17 17 17 16 17 15	19 24 19 24 19 23 19 22	17 4 17 3 17 2 17 1	4 40 4 40 4 41 4 41 4 41 4n41

Julian Day Number = 2524348.5, Delta T = 162.34 sec Ecliptic obliquity = $23^{\circ}24'42$, Nutation = $0^{\circ}00'12$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'33$, Lahiri = $26^{\circ}38'34$

JUNE 2199 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(并	В	₽.	v	Ç	ķ	Day
S 1	16 38 24	10 П 43'29	28 Ω 29	15°R 5	119917	5 8 45	5 ¥ 57	1) 24	24∏24	24 Υ 15	210 7	19°R 5	18 M .12	79913	8°R 1	S 1
S 2	16 42 20	11°41'02	10 m 52	14Ⅲ33	11°20	6°29	6° 2	1°24	24°28	24°16	21° 7	19°D 5	18° 9	7°20	7 .₹ 57	S 2
M 3	16 46 17	12°38'35	23°33	14° 0	11°R21	7°14	6° 6	1°25	24°31	24°18	21° 8	19 M 5	18° 5	7°27	7°53	M 3
T 4	16 50 13	13°36'06	6 ₽ 37	13°26	11°19	7°59	6°10	1°26	24°35	24°20	21° 9	19° 6	18° 2	7°33	7°48	T 4
W 5	16 54 10	14°33'35	20° 5	12°53	11°16	8°44	6°14	1°27	24°39	24°21	21°10	19°8	17°59	7°40	7°44	W 5
T 6	16 58 6	15°31'04	4M 1	12°19	11° 9	9°28	6°18	1°27	24°42	24°23	21°11	19° 9	17°56	7°47	7°40	T 6
F 7	17 2 3	16°28'31	18°22	11°48	11° 1	10°13	6°21	1°28	24°46	24°24	21°12	19°R10	17°53	7°53	7°35	F 7
S 8	17 5 59	17°25'58	3 ₹ 8	11°17	10°50	10°57	6°25	1°28	24°49	24°26	21°13	19° 9	17°49	8° 0	7°31	S 8
S 9	17 9 56	18°23'23	1 <u>8</u> °10	10°49	10°36	11°42	6°28	1°28	24°53	24°27	21°14	19° 7	17°46	8° 7	7°27	S 9
M10	17 13 53	19°20'47	3 ਰ 21	10°24	10°20	12°26	6°31	1°29	24°56	24°29	21°15	19° 4	17°43	8°13	7°23	M10
T 11	17 17 49	20°18'11	18°30	10° 2	10° 2	13°11	6°34	1°R29	25° 0	24°30	21°16	19° 0	17°40	8°20	7°19	T 11
W12	17 21 46	21°15'34	3≈29	9°43	9°42	13°55	6°37	1°29	25° 3	24°32	21°17	18°56	17°37	8°27	7°14	W12
T 13	17 25 42	22°12'56	18° 9	9°28	9°19	14°39	6°39	1°28	25° 7	24°33	21°18	18°52	17°34	8°34	7°10	T 13
F 14	17 29 39	23°10'17	2) €25	9°17	8°54	15°24	6°41	1°28	25°10	24°35	21°19	18°49	17°30	8°40	7° 6	F 14
S 15	17 33 35	24° 7'38	16°15	9°10	8°27	16° 8	6°44	1°28	25°14	24°36	21°20	18°47	17°27	8°47	7° 2	S 15
S 16	17 37 32	25° 4'59	29°39	9°D 7	7°58	16°52	6°45	1°28	25°18	24°37	21°21	18°D47	17°24	8°54	6°58	S 16
M17	17 41 28	26° 2'19	12 Y 40	9° 9	7°28	17°36	6°47	1°27	25°21	24°39	21°22	18°48	17°21	9° 0	6°54	M17
T 18	17 45 25	26°59'39	25°20	9°16	6°56	18°20	6°49	1°26	25°25	24°40	21°24	18°49	17°18	9° 7	6°50	T 18
W19	17 49 22	27°56'58	7 8 44	9°27	6°22	19° 4	6°50	1°26	25°28	24°41	21°25	18°51	17°15	9°14	6°46	W19
T 20	17 53 18	28°54'18	19°56	9°42	5°48	19°48	6°51	1°25	25°32	24°42	21°26	18°R51	17°11	9°20	6°43	T 20
F 21	17 57 15	29°51'36	1 II 58	10° 3	5°12	20°31	6°52	1°24	25°35	24°44	21°27	18°50	17° 8	9°27	6°39	F 21
S 22	18 111	09548'55	13°53	10°27	4°35	21°15	6°53	1°23	25°39	24°45	21°29	18°47	17° 5	9°34	6°35	S 22
S 23	18 5 8	1°46'12	25°45	10°57	3°58	21°59	6°54	1°22	25°43	24°46	21°30	18°43	17° 2	9°40	6°31	S 23
M24	18 9 4	2°43'30	7935	11°30	3°21	22°42	6°54	1°21	25°46	24°47	21°31	18°36	16°59	9°47	6°28	M24
T 25	18 13 1	3°40'47	19°26	12° 8	2°43	23°26	6°54	1°19	25°50	24°48	21°32	18°28	16°55	9°54	6°24	T 25
W26	18 16 57	4°38'03	1 Ω 18	12°51	2° 6	24° 9	6°R54	1°18	25°53	24°49	21°34	18°19	16°52	10° 1	6°21	W26
T 27	18 20 54	5°35'19	13°14	13°38	1°29	24°53	6°54	1°17	25°57	24°50	21°35	18°11	16°49	10° 7	6°17	T 27
F 28	18 24 51	6°32'34	25°16	14°28	0°52	25°36	6°54	1°15	26° 0	24°51	21°37	18° 3	16°46	10°14	6°14	F 28
S 29	18 28 47	7°29'49	7 m 27	15°23	0°17	26°19	6°53	1°13	26° 4	24°52	21°38	17°58	16°43	10°21	6°10	S 29
S 30	18 32 44	8927'03	19 m 50	16 Ⅲ 22	29∏42	27 8 3	6 ¥ 52	1 ∺ 12	26 I 7	24 Y 53	21 Q 39	17 M 54	16 M 40	10927	6 ₹ 7	S 30

Day	0	J)	ξ	5	ç)	a	7	2	4	Ť)	ł(4	7	Е)	v	ນ	Ç	ď	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 2	7n 7	5 s 1 1	21n 5	1 s30	25n31	2n36	12n41	0 s47	10s 9	0 s54	12s10	1 s 1 7	23n25	0n 8	7n54	1 s36	22n34	8n36	17 s28	17s14	19n20	16s59	4n42
S 2	22 10	2 58	4 53	20 44	1 47	25 23	2 27	12 56	0 47	10 8	0 54	12 9	1 17	23 26	0 8	7 55	1 36	22 34	8 35	17 28	17 13	19 19	16 58	4 42
M 3	22 17	1 s25		20 24			2 19	-	0 46			-	1 17			7 55		22 33		17 28				4 42
T 4	22 24	5 53		20 4			2 10		0 46				1 17			7 56		22 33		17 29				4 42
W 5	_	10 12 14 8		19 44		24 56	-	13 41	0 45		0 55					7 56 7 57		22 32		17 29				4 42 4 43
T 6 F 7	22 38	-	1 22 0 4	19 25 19 7		24 47 24 37		13 56 14 10	0 45 0 44			12 9 12 9		23 26 23 26		7 58		22 32 22 31		17 30 17 30		19 15 19 14		4 43
S 8	22 49		-	18 50		24 27	-	14 24	0 43			12 9		23 26		7 58		22 31		17 30				4 43
S 9	22 54	20 21	2 32	18 35	3 30	24 17	1 18	14 39	0 43	10 0	0 56	12 9	1 18	23 27	0 8	7 59	1 36	22 31	8 34	17 29	17 7	19 12	16 52	4 43
M10	22 59	19 44		18 21	3 40			14 53	0 42		0 56		1 18			7 59	1 36		8 34	17 28		19 11		4 43
T 11	23 3	17 41	4 29	18 9	3 49	23 56	0 54	15 7	0 42	9 58	0 56	12 10	1 19	23 27	0 8	8 0	1 36	22 30	8 34	17 27	17 5	19 10	16 51	4 43
		14 28	-	17 58	3 57		0 42	-	0 41	9 57	0 57	-	1 19			8 0	1 36			17 26			16 50	4 43
_		10 25		17 49		23 34		15 34	0 41	9 57	0 57	-	1 19			8 1	1 36			17 25				4 43
	23 14	5 52		17 43 17 38		23 23		15 48	0 40	9 56		-	1 19 1 19		0 8	8 1		22 28		17 24			16 49	4 44
	23 17	1 9				23 11	0 2	-	0 39			12 11			0 8	8 1		22 28		17 23			16 48	4 44
	23 19	3n29		17 35		22 59		16 14	0 39			12 11		23 28		-		22 27		17 23			16 47	4 44
M17	23 21	7 50	-	17 33		22 47	-	16 27	0 38			12 11		23 28		-				17 24			16 46	4 44
_	23 23 23 24	11 43 15 1		17 34 17 36		22 35 22 22	0 39	16 40	0 38	9 54 9 54		12 12 12 12		23 28 23 28			1 37 1 37	-		17 24 17 24			16 46 16 45	4 44 4 44
	23 24			17 41	4 15			17 5	0 36	9 54	0 59		1 20			8 4	1 37	-		17 25			16 44	4 44
	23 25			17 46		21 57	-	17 17	0 36	9 54		_	1 21			8 4	1 37	_		17 24			16 44	4 44
S 22	23 25	20 16	2 12	17 54	4 8	21 44	1 36	17 29	0 35	9 54	0 59	12 14	1 21	23 28	0 8	8 4	1 37	22 24	8 33	17 24	16 55	19 0	16 43	4 44
S 23	23 24	20 14	3 6	18 3	4 3	21 31	1 50	17 41	0 34	9 54	1 0	12 14	1 21	23 29	0 8	8 5	1 37	22 23	8 33	17 22	16 54	18 59	16 42	4 44
M24	23 23	19 19	3 53	18 13	3 58	21 18	2 4	17 53	0 34	9 54	1 0	12 15	1 21	23 29	0 8	8 5	1 37	22 23	8 32	17 20	16 53	18 58	16 42	4 44
_	23 22			18 24		21 5	2 18		0 33	9 54		-	1 21			8 5		22 22		17 18				4 44
		15 4		18 37		20 53		18 16	0 32	9 54			1 22			8 6	1 37			17 16				4 44
T 27 F 28	23 18 23 15	11 56 8 17		18 50 19 5		20 40 20 28	2 44	18 27 18 38	0 32 0 31	9 55			1 22 1 22					22 21		17 13 17 11				4 44 4 44
_	23 12	8 1 / 4 16	-	19 20		20 28	3 9		0 30	9 55 9 55				23 29 23 29				22 21 22 20		17 11				4 44
S 30	23n 9	0n 1	4 s 2 1	19n36	3 s 8	20n 4	3 s21	19n 0	0s30	9s56	1 s 2	12s19	1 s22	23n29	0n 8	8n 7	1 s37	22n20	8n32	17s 9	16s48	18n51	16s39	4n44

Julian Day Number = 2524379.5, Delta T = 162.43 sec Ecliptic obliquity = 23°24'42, Nutation = $0^{\circ}00'12$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'37$, Lahiri = $26^{\circ}38'38$

JULY 2199 00:00 UT

-	a: L.			.,		_			\ /		_	_	_	-		-
Day	Sid.t	0	D	ğ	φ	♂	4	ħ) / (¥	В	ß	Ω	Ç	ę,	Day
M 1	18 36 40	99524'17	2 ≙ 29	17Ⅲ26	29°R 9	27 8 46	6°R52	1°R10	26 I I11	24 Y 54	21 Q 41	17°R52	16 M .36	10934	6°R 4	M 1
T 2	18 40 37	10°21'30	15°27	18°32	28耳37	28°29	6 ∺ 50	1 ∀ 8	26°14	24°55	21°42	17°D52	16°33	10°41	6 才 1	T 2
W 3	18 44 33	11°18'43	28°48	19°43	28° 7	29°12	6°49	1° 6	26°18	24°56	21°44	17 M 53	16°30	10°47	5°58	W 3
T 4	18 48 30	12°15'55	12 M 35	20°58	27°39	29°55	6°47	1° 4	26°21	24°56	21°45	17°R53	16°27	10°54	5°55	T 4
F 5	18 52 26	13°13'07	26°49	22°17	27°12	0 Ⅲ 38	6°46	1° 1	26°25	24°57	21°47	17°53	16°24	11° 1	5°52	F 5
S 6	18 56 23	14°10'19	11 ~ 29	23°39	26°48	1°21	6°44	0°59	26°28	24°58	21°48	17°51	16°21	11° 8	5°49	S 6
S 7	19 0 20	15° 7'30	26°30	25° 5	26°25	2° 3	6°42	0°57	26°31	24°59	21°50	17°47	16°17	11°14	5°46	S 7
M 8	19 4 16	16° 4'41	11 る 45	26°35	26° 5	2°46	6°40	0°54	26°35	24°59	21°51	17°40	16°14	11°21	5°44	M 8
T 9	19 8 13	17° 1'53	27° 3	28° 8	25°47	3°29	6°37	0°52	26°38	25° 0	21°53	17°32	16°11	11°28	5°41	T 9
W10	19 12 9	17°59'04	12≈13	29°45	25°32	4°11	6°34	0°49	26°42	25° 1	21°55	17°24	16° 8	11°34	5°39	W10
T 11	19 16 6	18°56'15	27° 5	19925	25°19	4°54	6°32	0°47	26°45	25° 1	21°56	17°15	16° 5	11°41	5°36	T 11
F 12	19 20 2	19°53'27	11 米 32	3° 9	25° 8	5°36	6°29	0°44	26°48	25° 2	21°58	17° 8	16° 1	11°48	5°34	F 12
S 13	19 23 59	20°50'39	25°30	4°55	25° 0	6°18	6°25	0°41	26°52	25° 2	21°59	17° 4	15°58	11°54	5°32	S 13
S 14	19 27 55	21°47'51	8 Y 59	6°45	24°54	7° 1	6°22	0°38	26°55	25° 3	22° 1	17° 1	15°55	12° 1	5°29	S 14
M15	19 31 52	22°45'04	22° 0	8°38	24°50	7°43	6°18	0°35	26°58	25° 3	22° 3	17°D 0	15°52	12° 8	5°27	M15
T 16	19 35 49	23°42'18	4 8 38	10°34	24°D49	8°25	6°15	0°32	27° 2	25° 4	22° 4	17° 1	15°49	12°15	5°25	T 16
W17	19 39 45	24°39'32	16°58	12°32	24°50	9° 7	6°11	0°29	27° 5	25° 4	22° 6	17°R 1	15°46	12°21	5°23	W17
T 18	19 43 42	25°36'46	29° 3	14°32	24°54	9°49	6° 7	0°26	27° 8	25° 5	22° 8	17° 0	15°42	12°28	5°22	T 18
F 19	19 47 38	26°34'01	10 Ⅱ 59	16°35	24°59	10°31	6° 2	0°22	27°11	25° 5	22° 9	16°58	15°39	12°35	5°20	F 19
S 20	19 51 35	27°31'17	22°50	18°39	25° 7	11°13	5°58	0°19	27°15	25° 5	22°11	16°53	15°36	12°41	5°18	S 20
S 21	19 55 31	28°28'33	4939	20°44	25°17	11°55	5°53	0°16	27°18	25° 5	22°13	16°45	15°33	12°48	5°17	S 21
M22	19 59 28	29°25'50	16°29	22°51	25°29	12°36	5°49	0°12	27°21	25° 6	22°15	16°35	15°30	12°55	5°15	M22
T 23	20 3 25	$0\Omega 23'07$	28°22	24°58	25°44	13°18	5°44	0° 9	27°24	25° 6	22°16	16°22	15°27	13° 1	5°14	T 23
W24	20 7 21	1°20'25	$10\Omega 20$	27° 6	26° 0	13°59	5°38	0° 5	27°27	25° 6	22°18	16° 9	15°23	13° 8	5°12	W24
T 25	20 11 18	2°17'43	22°23	29°14	26°18	14°41	5°33	0° 1	27°30	25° 6	22°20	15°56	15°20	13°15	5°11	T 25
F 26	20 15 14	3°15'01	4 m 33	1Ω 22	26°37	15°22	5°28	29≈58	27°33	25° 6	22°22	15°45	15°17	13°22	5°10	F 26
S 27	20 19 11	4°12'20	16°52	3°30	26°59	16° 4	5°22	29°54	27°36	25° 6	22°23	15°35	15°14	13°28	5° 9	S 27
S 28	20 23 7	5° 9'39	29°22	5°37	27°22	16°45	5°17	29°50	27°39	25° 6	22°25	15°28	15°11	13°35	5° 8	S 28
M29	20 27 4	6° 6'59	12 ♀ 4	7°43	27°47	17°26	5°11	29°46	27°42	25°R 6	22°27	15°24	15° 7	13°42	5° 8	M29
T 30	20 31 0	7° 4'19	25° 2	9°48	28°13	18° 7	5° 5	29°42	27°45	25° 6	22°29	15°22	15° 4	13°48	5° 7	T 30
W31	20 34 57	8 Ω 1'40	8 M 20	11 0 52	28∏42	18 Ⅱ 48	4 米 59	29≈38	27 Ⅱ 48	25 ° 6	22 N 31	15 M 22	15 M 1	13955	5 ₹ 6	W31

Day	0	D	1	Į .	φ	С	7	2	+	ħ	<u> </u>);	ł(4	7	Р		n	u	Ç	ķ	;
	decl	decl lat	decl	lat	decl lat	t decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	t	decl	decl	decl	decl	lat
M 1 T 2	23n 5 23 0	4s20 3s3 8 37 2 4	9 19n52 5 20 9			3 s32 19n10 3 43 19 20	0 s29 0 28	9s57 9 57	1 s 2 1 2			23n29 23 30			1 s37 1 37		3n32 1		16s47 16 46		16s38 16 38	4n44 4 44
W 3 T 4	22 56 22 51	12 36 1 4 16 3 0 2			19 31 3 19 20 4	3 53 19 30 4 3 19 40	0 28 0 27		1 3 1 3					8 8 8 8	1 37 1 37		3 32 1 3 31 1			18 48 18 47		4 44 4 43
F 5 S 6	22 45	18 39 0n4	8 20 59 3 21 16	2 12 1	19 11 4	1 12 19 50 1 21 19 59	0 26 0 25	10 0	1 3 1 3	12 24	1 23 1 23	23 30	0 8	8 8	1 38	22 17 8	3 31 1 3 31 1 3 31 1	17 9	16 43	18 46 18 45	16 36	4 43 4 43
S 7		20 11 3 1	1 21 32	1 47 1		1 29 20 9	0 25			12 26	1 24	23 30				22 16 8	3 31 1	17 7	16 41	18 44	16 36	4 43
M 8 T 9	22 27 22 20	-	7 21 47 5 22 2	1 22 1		4 36 20 18 4 43 20 27	0 24 0 23		1 4 1 4		1 24	23 30		8 9 8 9	1 38 1 38		3 31 1 3 31 1			18 43 18 42		4 43 4 43
T 11	22 5	7 46 5	3 22 15 0 22 28	0 57 1		4 49 20 35 4 55 20 44	0 23 0 22	10 7	1 4 1 5	12 30	1 24 1 24	23 30		8 9 8 9	1 38 1 38	22 13 8	-	16 58	16 38	18 41 18 40	16 34	4 43 4 43
F 12 S 13	21 56 21 48		8 22 38 9 22 48		18 20 5 18 15 5		0 21 0 20	10 8 10 9	1 5 1 5		1 25 1 25	23 3123 31	0 8 0 8	8 9 8 10	1 38 1 38					18 39 18 38		4 43 4 42
S 14 M15	21 39 21 30		8 22 55 9 23 1		18 11 5 18 7 5	5 8 21 8 5 12 21 16	0 20 0 19		1 6 1 6	_		23 31 23 31	0 8	8 10 8 10	1 38 1 38					18 37 18 36		4 42 4 42
T 16 W17	21 20 21 10	14 5 1	6 23 4 0 23 5	0n 5 1	18 4 5	5 15 21 23 5 18 21 30	0 18		1 6 1 6	12 36		23 31		8 10 8 10	1 38	22 10 8	3 31 1	16 54	16 33	18 35 18 33	16 33	4 42
T 18 F 19	21 0 21 0 20 49	18 53 1 s	4 23 4 4 23 0	0 27 1	17 59 5	5 20 21 37 5 21 21 44	0 17	10 18 10 19	1 7	12 39		23 31	0 8 0 8	8 10 8 10	1 38	22 9 8	3 31 1	16 54	16 31	18 32 18 31	16 33	4 42 4 41
S 20	20 49	-	8 22 53			5 23 21 51		10 19		12 40		23 31	0 8	8 10	1 38					18 30		4 41
S 21 M22			4 22 44 1 22 32			5 24 21 57 5 24 22 4		10 23 10 25	1 7 1 8				0 8 0 8	8 10 8 10	1 38 1 39					18 29 18 28		4 41 4 41
T 23 W24		15 47 4 4 12 50 4 5	-			5 24 22 10 5 24 22 15		10 27 10 29	1 8 1 8	-	-		0 8 0 8	8 10 8 10	1 39 1 39		-			18 27 18 26		4 41 4 40
T 25 F 26	19 38 19 24		9 21 41 5 21 18			5 24 22 21 5 23 22 26	0 11 0 10	10 31 10 34	1 8 1 9					8 10 8 10	1 39 1 39					18 25 18 24		4 40 4 40
S 27	19 11		8 20 54			5 22 22 32		10 36	1 9		1 27			8 10	1 39					18 22		4 40
S 28 M29	18 57 18 43	7 19 2 4	8 20 27 6 19 58	1 42 1	18 5 5	5 21 22 37 5 19 22 41	0 8		1 9	12 54	1 27	23 32	0 8		1 39	22 2 8	3 31 1	16 26	16 21	18 21 18 20	16 33	4 40 4 39
T 30 W31			5 19 27 7 18n54			5 17 22 46 5 s15 22n50		10 43 10 s45		12 56 12 s 57		23 32 23n32		8 10 8n10						18 19 18n18		4 39 4n39

Julian Day Number = 2524409.5, Delta T = 162.51 sec Ecliptic obliquity = $23^{\circ}24'41$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'42$, Lahiri = $26^{\circ}38'42$

AUGUST 2199 00:00 UT

Day	Sid.t	0	D	ğ	Q.	ď	4	ħ)∤(卉	Р	n	v	Ç	ķ	Day
T 1	20 38 53	8 Ω 59'01	21 M 59	13 Ω 55	29Ⅱ11	19 Ⅲ 29	4°R52	29°R34	27 I 51	25°R 6	22 N 32	15°R22	14 M 58	1495 2	5°R 6	T 1
F 2	20 42 50	9°56'22	6 ₹ 2	15°56	29°42	20°10	4) (46	29≈30	27°54	25 Y 6	22°34	15 M 21	14°55	14° 8	5 ₹ 5	F 2
S 3	20 46 47	10°53'44	20°28	17°56	09514	20°51	4°40	29°26	27°57	25° 6	22°36	15°18	14°52	14°15	5° 5	S 3
S 4	20 50 43	11°51'07	5 궁 16	19°55	0°48	21°31	4°33	29°22	28° 0	25° 6	22°38	15°12	14°48	14°22	5° 5	S 4
M 5	20 54 40	12°48'30	20°19	21°52	1°23	22°12	4°26	29°18	28° 2	25° 6	22°40	15° 4	14°45	14°29	5° 5	M 5
T 6	20 58 36	13°45'54	5≈29	23°47	1°59	22°52	4°20	29°13	28° 5	25° 5	22°42	14°54	14°42	14°35	5°D 5	T 6
W 7	21 2 33	14°43'19	20°36	25°41	2°37	23°33	4°13	29° 9	28° 8	25° 5	22°43	14°43	14°39	14°42	5° 5	W 7
T 8	21 6 29	15°40'44	5 ∺ 28	27°33	3°15	24°13	4° 6	29° 5	28°11	25° 5	22°45	14°33	14°36	14°49	5° 5	T 8
F 9	21 10 26	16°38'11	19°58	29°24	3°55	24°54	3°59	29° 0	28°13	25° 4	22°47	14°24	14°32	14°55	5° 5	F 9
S 10	21 14 22	17°35'39	4 Υ 1	1 m 13	4°36	25°34	3°51	28°56	28°16	25° 4	22°49	14°17	14°29	15° 2	5° 6	S 10
S 11	21 18 19	18°33'08	17°34	3° 1	5°17	26°14	3°44	28°52	28°18	25° 4	22°51	14°13	14°26	15° 9	5° 6	S 11
M12	21 22 16	19°30'38	0 8 39	4°47	6° 0	26°54	3°37	28°47	28°21	25° 3	22°53	14°11	14°23	15°16	5° 7	M12
T 13	21 26 12	20°28'10	13°20	6°31	6°44	27°34	3°29	28°43	28°23	25° 3	22°55	14°10	14°20	15°22	5° 7	T 13
W14	21 30 9	21°25'43	25°40	8°14	7°28	28°14	3°22	28°38	28°26	25° 2	22°56	14°10	14°17	15°29	5° 8	W14
T 15	21 34 5	22°23'18	7 Ⅱ 45	9°56	8°14	28°54	3°14	28°34	28°28	25° 2	22°58	14°10	14°13	15°36	5° 9	T 15
F 16	21 38 2	23°20'54	19°40	11°36	9° 0	29°33	3° 7	28°30	28°31	25° 1	23° 0	14° 7	14°10	15°42	5°10	F 16
S 17	21 41 58	24°18'31	1931	13°14	9°48	0913	2°59	28°25	28°33	25° 0	23° 2	14° 2	14° 7	15°49	5°11	S 17
S 18	21 45 55	25°16'10	13°20	14°51	10°36	0°52	2°51	28°21	28°35	25° 0	23° 4	13°55	14° 4	15°56	5°12	S 18
M19	21 49 51	26°13'50	25°13	16°26	11°24	1°32	2°43	28°16	28°38	24°59	23° 6	13°45	14° 1	16° 2	5°14	M19
T 20	21 53 48	27°11'31	7Ω 11	18° 0	12°14	2°11	2°36	28°12	28°40	24°58	23° 8	13°32	13°58	16° 9	5°15	T 20
W21	21 57 45	28° 9'14	19°16	19°32	13° 4	2°50	2°28	28° 7	28°42	24°58	23° 9	13°19	13°54	16°16	5°16	W21
T 22	22 1 41	29° 6'59	1 m 30	21° 3	13°55	3°30	2°20	28° 3	28°44	24°57	23°11	13° 6	13°51	16°23	5°18	T 22
F 23	22 5 38	0 m) 4'44	13°53	22°32	14°47	4° 9	2°12	27°58	28°47	24°56	23°13	12°55	13°48	16°29	5°20	F 23
S 24	22 9 34	1° 2'31	26°26	24° 0	15°39	4°48	2° 4	27°54	28°49	24°55	23°15	12°45	13°45	16°36	5°21	S 24
S 25	22 13 31	2° 0'19	9 ≙ 10	25°27	16°32	5°27	1°56	27°49	28°51	24°55	23°17	12°38	13°42	16°43	5°23	S 25
M26	22 17 27	2°58'08	22° 4	26°51	17°25	6° 5	1°48	27°45	28°53	24°54	23°19	12°34	13°38	16°49	5°25	M26
T 27	22 21 24	3°55'59	5 M 12	28°14	18°19	6°44	1°40	27°40	28°55	24°53	23°21	12°32	13°35	16°56	5°27	T 27
W28	22 25 20	4°53'50	18°34	29°36	19°14	7°23	1°33	27°36	28°56	24°52	23°22	12°D32	13°32	17° 3	5°29	W28
T 29	22 29 17	5°51'43	2 ~ 13	0 <u>ჲ</u> 56	20° 9	8° 1	1°25	27°31	28°58	24°51	23°24	12°R33	13°29	17°10	5°32	T 29
F 30	22 33 14	6°49'38	16° 8	2°14	21° 4	8°40	1°17	27°27	29° 0	24°50	23°26	12°32	13°26	17°16	5°34	F 30
S 31	22 37 10	7 m 47'33	0る22	3 ₾ 31	229 0	99518	1 米 9	27 ≈ 22	29耳 2	24 Y 49	23 N 28	12 M 30	13 M 23	179523	5 ₹ 36	S 31

Day	0	J)	ζ	5	ç)	C	7		4	†	ì)	β (4	7	Р		U	Ω	Ç	ď	5
	decl	decl	lat	decl	lat	decl	lat	decl	lat	dec	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n59	17s41	0n35	18n20	1n47	18n12	5 s 1 3	22n54	0s 5	10 s48	1 s10	12 s 5 9	1 s28	23n32	0n 8	8n10	1 s39	22n 1	8n31	16 s25	16s18	18n17	16s33	4n39
F 2	17 44	19 32	1 47	17 44	1 47	18 15	5 10	22 58	0 4	10 50	1 10	13 0	1 28	23 32	0 8	8 10	1 39	22 0	8 31	16 25	16 17	18 16	16 33	4 38
S 3	17 29	20 11	2 54	17 7	1 46	18 17	5 7	23 2	0 4	10 53	1 10	13 2	1 28	23 32	0 8	8 10	1 39	21 59	8 31	16 24	16 17	18 15	16 33	4 38
S 4	17 13	19 27	3 51	16 29	1 45	18 20	5 5	23 6	0 3	10 50	1 11	13 3	1 28	23 32	0 9	8 10	1 39	21 59	8 31	16 23	16 16	18 13	16 34	4 38
M 5	16 57	17 22	4 33	15 50	1 43	18 23	5 1	23 9	0 2	10 58	1 11	13 5	1 28	23 32	0 9	8 10	1 39	21 58	8 31	16 20	16 15	18 12	16 34	4 38
T 6	16 41	14 5	4 56	15 10	1 41	18 26	4 58	23 12	0 1	11	1 11	13 7	1 28	23 32	0 9	8 9	1 39	21 58	8 31	16 17	16 14	18 11	16 34	4 37
W 7	16 24	9 53	4 59	14 29	1 38	18 28		23 15	0 0	11 4	1 11	13 8		23 32	0 9	8 9	1 39	21 57		-	16 13			4 37
T 8	16 7	5 8		13 47	1 34			23 18	0n 1	11 (13 10				0 /	1 40				16 12			4 37
F 9	15 50	0 13	-		1 30			23 20	0 1	11 9			1 29		-		1 40		8 31		16 11		16 35	4 37
S 10	15 33	4n35	3 15	12 22	1 26	18 36	4 44	23 23	0 2	11 12	1 12	13 13	1 29	23 33	0 9	8 9	1 40	21 55	8 31	16 6	16 10	18 7	16 35	4 36
S 11	15 15	8 59	2 16	11 39	1 21	18 39	4 40	23 25	0 3	11 13	1 12	13 15	1 29	23 33	0 9	8 8	1 40	21 55	8 31	16 5	16 9	18 5	16 36	4 36
M12	14 57	12 48	1 11	10 56	1 16	18 41	4 36	23 27	0 4	11 17	1 12	13 16	1 29	23 33	0 9	8 8	1 40	21 54	8 31	16 5	16 8	18 4	16 36	4 36
T 13	14 39	15 54	0 4	10 12	1 10	18 43	4 32	23 28	0 5	11 20	1 12	13 18	1 29	23 33	0 9	8 8	1 40	21 54	8 31	16 4	16 7	18 3	16 36	4 36
W14	14 21	18 10	1 s 0	9 28	1 4	18 45	4 27	23 30	0 6	11 23	1 12	13 20	1 29	23 33	0 9	8 8	1 40	21 53	8 31	16 4	16 6	18 2	16 37	4 35
T 15	14 2	19 35	2 1	8 44				23 31	0 7	11 20	_	13 21	1 29	23 33	0 9	8 8	1 40	21 52	8 31	16 4	16 5	18 1	16 37	4 35
	13 43		2 56					23 32		11 29		13 23	1 29			8 7		21 52	8 31				16 38	4 35
S 17	13 24	19 41	3 43	7 16	0 45	18 50	4 14	23 33	0 8	11 32	1 13	13 25	1 29	23 33	0 9	8 7	1 40	21 51	8 31	16 2	16 3	17 58	16 38	4 35
S 18	13 5	18 26	4 20	6 32	0 37	18 51	4 9	23 34	0 9	11 3	1 13	13 26	1 30	23 33	0 9	8 7	1 40	21 51	8 31	16 0	16 2	17 57	16 39	4 34
M19	12 46	16 23	4 45	5 49	0 30	18 52	4 5	23 34	0 10	11 38	1 13	13 28	1 30	23 33	0 9	8 6	1 40	21 50	8 31	15 57	16 2	17 56	16 39	4 34
T 20	12 26	13 38	4 59			18 52	4 0		0 11	11 4		13 29				8 6	1 40	21 50		15 53			16 39	4 34
W21	12 6	10 17	4 59			18 52		23 35		11 44		13 31		23 33				21 49			16 0			4 34
T 22	11 46	6 29	4 46					23 35		11 40		13 33		23 33	-			21 49			15 59		-	4 33
-	11 26	2 21	4 19			18 52		23 35		11 49		13 34		23 33				21 48		-	15 58			4 33
S 24	11 5	1 s56	3 39	2 13	0 10	18 51	3 40	23 34	0 15	11 52	1 14	13 36	1 30	23 33	0 9	8 5	1 40	21 48	8 32	15 39	15 57	17 50	16 42	4 33
S 25	10 45	6 11	2 47	1 31	0 19	18 50	3 35	23 34	0 16	11 5	1 14	13 38	1 30	23 33	0 9	8 4	1 40	21 47	8 32	15 37	15 56	17 49	16 42	4 33
M26	10 24	10 14	1 46	0 50	0 28	18 48	3 30	23 33	0 17	11 58	1 14	13 39	1 30	23 33	0 9	8 4	1 41	21 46	8 32	15 35	15 55	17 48	16 43	4 32
T 27		13 51	0 39	0 9	0 36		-	23 32	0 18		1 14	-	1 30				1 41	21 46			15 54			4 32
W28	-	16 49	0n32	0 s32	0 45	-	3 20		0 19			-	1 30				1 41	21 45			15 53			4 32
T 29		18 54	1 43	1 12	0 54	-		23 30	0 20			-	1 30				1 41	21 45			15 52			4 31
F 30		19 53	2 49	1 51	1 3		3 9			12 10		13 46		23 33				21 44			15 51			4 31
S 31	8n38	19 s 39	3n46	2 s 3 0	1 s 1 3	18n35	3s 4	23n27	0n21	12 s13	1 s14	13 s47	1 s 3 0	23n33	0n 9	8n 2	1 s41	21n44	8n33	15 s34	15 s50	17n42	16 s46	4n31

Julian Day Number = 2524440.5, Delta T = 162.59 sec Ecliptic obliquity = $23^{\circ}24'41$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'46$, Lahiri = $26^{\circ}38'46$

SEPTEMBER 2199 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(朴	В	ß	Ω	Ç	ę,	Day
S 1	22 41 7	8 m/ 45'30	14 궁 52	4 Ω 45	22957	9956	1°R 1	27°R18	29耳 4	24°R48	23€30	12°R26	13 M .19	17930	5 , 739	S 1
M 2	22 45 3	9°43'28	29°34	5°58	23°54	10°34	0) € 54	27≈14	29° 5	24 Y 47	23°32	12 M 20	13°16	17°36	5°42	M 2
T 3	22 49 0	10°41'27	14≈23	7° 9	24°52	11°12	0°46	27° 9	29° 7	24°46	23°33	12°11	13°13	17°43	5°44	T 3
W 4	22 52 56	11°39'28	29°10	8°18	25°50	11°50	0°38	27° 5	29° 9	24°45	23°35	12° 2	13°10	17°50	5°47	W 4
T 5	22 56 53	12°37'30	13) (48	9°25	26°48	12°28	0°31	27° 1	29°10	24°44	23°37	11°53	13° 7	17°56	5°50	T 5
F 6	23 0 49	13°35'34	28° 8	10°29	27°47	13° 6	0°23	26°57	29°12	24°42	23°39	11°45	13° 4	18° 3	5°53	F 6
S 7	23 4 46	14°33'39	12 ° 6	11°31	28°46	13°43	0°16	26°52	29°13	24°41	23°40	11°40	13° 0	18°10	5°56	S 7
S 8	23 8 43	15°31'47	25°38	12°31	29°46	14°21	0° 9	26°48	29°15	24°40	23°42	11°36	12°57	18°17	5°59	S 8
M 9	23 12 39	16°29'56	8 8 45	13°28	0 Ω 46	14°58	0° 1	26°44	29°16	24°39	23°44	11°D35	12°54	18°23	6° 3	M 9
T 10	23 16 36	17°28'07	21°27	14°22	1°46	15°36	29≈54	26°40	29°17	24°38	23°46	11°35	12°51	18°30	6° 6	T 10
W11	23 20 32	18°26'21	3耳50	15°14	2°47	16°13	29°47	26°36	29°18	24°36	23°47	11°36	12°48	18°37	6° 9	W11
T 12	23 24 29	19°24'36	15°58	16° 2	3°49	16°50	29°40	26°32	29°20	24°35	23°49	11°R37	12°44	18°43	6°13	T 12
F 13	23 28 25	20°22'53	27°55	16°47	4°50	17°27	29°33	26°28	29°21	24°34	23°51	11°37	12°41	18°50	6°16	F 13
S 14	23 32 22	21°21'13	9 9 46	17°28	5°52	18° 4	29°26	26°24	29°22	24°32	23°53	11°35	12°38	18°57	6°20	S 14
S 15	23 36 18	22°19'34	21°38	18° 5	6°54	18°40	29°20	26°20	29°23	24°31	23°54	11°31	12°35	19° 4	6°24	S 15
M16	23 40 15	23°17'58	3€33	18°38	7°57	19°17	29°13	26°17	29°24	24°30	23°56	11°25	12°32	19°10	6°28	M16
T 17	23 44 12	24°16'23	15°36	19° 7	9° 0	19°54	29° 7	26°13	29°25	24°28	23°58	11°17	12°29	19°17	6°32	T 17
W18	23 48 8	25°14'51	27°49	19°31	10° 3	20°30	29° 0	26° 9	29°26	24°27	23°59	11° 9	12°25	19°24	6°36	W18
T 19	23 52 5	26°13'20	10 m)14	19°49	11° 6	21° 6	28°54	26° 6	29°27	24°26	24° 1	11° 1	12°22	19°30	6°40	T 19
F 20	23 56 1	27°11'52	22°52	20° 2	12°10	21°42	28°48	26° 2	29°28	24°24	24° 3	10°53	12°19	19°37	6°44	F 20
S 21	23 59 58	28°10'25	5 ≙ 43	20°10	13°14	22°19	28°42	25°59	29°28	24°23	24° 4	10°47	12°16	19°44	6°48	S 21
S 22	0 3 54	29° 9'00	18°47	20°R11	14°18	22°54	28°36	25°55	29°29	24°21	24° 6	10°43	12°13	19°51	6°53	S 22
M23	0 7 51	0요 7'37	2M 3	20° 5	15°23	23°30	28°31	25°52	29°30	24°20	24° 7	10°41	12° 9	19°57	6°57	M23
T 24	0 11 47	1° 6'16	15°30	19°53	16°28	24° 6	28°25	25°49	29°30	24°18	24° 9	10°D40	12° 6	20° 4	7° 1	T 24
W25	0 15 44	2° 4'57	29° 8	19°34	17°33	24°41	28°20	25°45	29°31	24°17	24°10	10°41	12° 3	20°11	7° 6	W25
T 26	0 19 40	3° 3'39	12 × 757	19° 7	18°38	25°17	28°15	25°42	29°31	24°15	24°12	10°43	12° 0	20°17	7°11	T 26
F 27	0 23 37	4° 2'23	26°56	18°34	19°43	25°52	28°10	25°39	29°32	24°14	24°13	10°44	11°57	20°24	7°15	F 27
S 28	0 27 34	5° 1'09	11중 4	17°53	20°49	26°27	28° 5	25°36	29°32	24°12	24°15	10°R44	11°54	20°31	7°20	S 28
S 29	0 31 30	5°59'56	25°20	17° 5	21°55	27° 2	28° 0	25°33	29°33	24°11	24°16	10°43	11°50	20°38	7°25	S 29
M30	0 35 27	6 ♀ 58'45	9≈41	16 ≏ 11	23 1	27937	27≈55	25≈31	29∏33	24 Y 9	24 Ω 18	10 M .40	11 M 47	209544	7 . ₹30	M30

Day	0	J		ğ		Q	1	ď	7	2	+	ħ	<u> </u>)	ł(j	ŧ.	Е)	n	u	Ç	ď	5
	decl	decl lat	t	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	8n17	18s 7 4	ln30	3 s 8	1 s22	18n32	2 s 5 9	23n25	0n22	12s15	1 s14	13 s49	1 s30	23n33	0n 9	8n 2	1 s41	21n43	8n33	15 s33	15 s49	17n40	16s47	4n31
M 2	7 55	15 23 4	1 56	3 46	1 31	18 27	2 53	23 23	0 23	12 18	1 14	13 50	1 30	23 33	0 9	8 1	1 41	21 43	8 33	15 31	15 48	17 39	16 47	4 30
T 3	7 33	11 39 5	5 4	4 22	1 40	18 23	2 48	23 21	0 24	12 21	1 14	13 52	1 30	23 33	0 9	8 1	1 41	21 42	8 33	15 29	15 47	17 38	16 48	4 30
W 4	7 11	7 12 4	1 51	4 58	1 49	18 18	2 43	23 18	0 25	12 24	1 14	13 53	1 30	23 34	0 9	8 0	1 41	21 42	8 33	15 26	15 46	17 37	16 49	4 30
T 5	6 49	2 23 4	1 19	5 32	1 58	18 12	2 37	23 16	0 26	12 26	1 14	13 55	1 31	23 34	0 9	8 0	1 41	21 42	8 33	15 23	15 45	17 35	16 50	4 30
F 6	6 27	2n29 3	3 3 1	6 6	2 7	18 6	2 32	23 13	0 27	12 29	1 14	13 56	1 31	23 34	0 9	8 0	1 41	21 41	8 34	15 21	15 44	17 34	16 50	4 29
S 7	6 4	7 6 2	2 31	6 39	2 16	17 59	2 26	23 10	0 28	12 32	1 15	13 58	1 31	23 34	0 9	7 59	1 41	21 41	8 34	15 19	15 43	17 33	16 51	4 29
S 8	5 42	11 13 1	24	7 10	2 25	17 53	2 21	23 7	0 29	12 34	1 15	13 59	1 31	23 34	0 9	7 59	1 41	21 40	8 34	15 18	15 42	17 32	16 52	4 29
M 9	5 19	14 38 0	15	7 40	2 34	17 45	2 16	23 4	0 30	12 37	1 15	14 0	1 31	23 34	0 9	7 58	1 41	21 40	8 34	15 17	15 42	17 31	16 53	4 29
T 10	4 57	17 15 0)s53	8 10	2 43	17 37	2 10	23 1	0 31	12 39	1 15	14 2	1 31	23 34	0 9	7 58	1 41	21 39	8 34	15 18	15 41	17 29	16 54	4 28
W11	4 34	18 59 1	57	8 37	2 51	17 29	2 5	22 58	0 32	12 42	1 15	14 3	1 31	23 34	0 9	7 57	1 41	21 39	8 34	15 18	15 40	17 28	16 54	4 28
T 12	4 11	19 47 2	2 54	9 3	2 59	17 20	2 0	22 54	0 33	12 44	1 15	14 5	1 31	23 34	0 9	7 57	1 41	21 38	8 35	15 18	15 39	17 27	16 55	4 28
F 13	3 48	19 41 3	3 43	9 28	3 7	17 11	1 54	22 50	0 34	12 47	1 15	14 6	1 31	23 34	0 9	7 56	1 41	21 38	8 35	15 18	15 38	17 26	16 56	4 28
S 14	3 25	18 42 4	1 22	9 51	3 15	17 1	1 49	22 47	0 35	12 49	1 15	14 7	1 31	23 34	0 9	7 56	1 41	21 38	8 35	15 17	15 37	17 24	16 57	4 27
S 15	3 2	16 55 4	4 49 1	10 11	3 22	16 51	1 44	22 43	0 36	12 51	1 15	14 9	1 31	23 34	0 9	7 55	1 41	21 37	8 35	15 16	15 36	17 23	16 58	4 27
M16	2 39	14 24 5	5 5 1	10 30	3 28	16 40	1 39	22 39			1 14	14 10	1 31	23 34	0 9	7 55	1 41	21 37	8 35	15 14	15 35	17 22	16 59	4 27
T 17	2 16	11 15 5	7 1	10 47	3 35	16 29		22 34	0 38	12 56	1 14	14 11	1 31		0 9	7 54	1 41	21 36	8 35	15 12	15 34	17 20	16 59	4 27
W18	1 53	7 36 4	1 55 1	11 1	3 40	16 18		22 30	0 39	12 58	1 14	14 12	1 31		0 9	7 54	1 41	21 36	8 36	15 9	15 33	17 19	17 0	4 27
T 19	1 30		-	11 13	3 45	16 5		22 25	0 40		1 14	14 14	1 31		0 9	7 53	1 41	21 36	8 36			17 18		4 26
F 20	1 7	0s41 3	3 49 1	11 22	3 50	15 53	1 18		0 42	13 2	1 14	14 15	1 31			7 52	1 42	21 35	8 36	15 4	15 31	17 17		4 26
S 21	0 44	5 0 2	2 58 1	11 28	3 53	15 40	1 13	22 16	0 43	13 4	1 14	14 16	1 31	23 34	0 9	7 52	1 42	21 35	8 36	15 3	15 30	17 15	17 3	4 26
S 22	0 20	9 8 1	56 1	11 31	3 56	15 26	1 8	22 11	0 44	13 6	1 14	14 17	1 31	23 34	0 9	7 51	1 42	21 35	8 36	15 1	15 29	17 14	17 4	4 26
M23	0 s 3	12 54 0	47 1	11 30	3 57	15 13	1 3	22 6	0 45	13 8	1 14	14 18	1 31	23 34	0 9	7 51	1 42	21 34	8 37	15 1	15 28	17 13	17 5	4 26
T 24	0 26	16 3 0	n26 1	11 25	3 57	14 58	0 58	22 1	0 46	13 10	1 14	14 19	1 31	23 34	0 9	7 50	1 42	21 34	8 37	15 1	15 27	17 12	17 6	4 25
W25	0 50	18 20 1	39 1	11 17	3 56	14 43	0 53	21 56	0 47	13 12	1 14	14 20	1 31	23 34	0 9	7 50	1 42	21 34	8 37	15 1	15 26	17 10	17 7	4 25
T 26	1 13	19 34 2	2 47 1	11 5	3 53	14 28	0 48	21 51	0 48	13 14	1 14	14 21	1 31	23 34	0 9	7 49	1 42	21 33	8 37	15 1	15 25	17 9	17 8	4 25
F 27	1 36	19 37 3	3 45 1	10 48	3 49	14 12	0 43	21 45	0 49	13 15	1 14	14 22	1 30	23 34	0 9	7 48	1 42	21 33	8 38	15 2	15 24	17 8	17 9	4 25
S 28	2 0	18 27 4	1 31 1	10 27	3 43	13 56	0 38	21 40	0 50	13 17	1 14	14 23	1 30	23 34	0 9	7 48	1 42	21 33	8 38	15 2	15 23	17 6	17 10	4 25
S 29	2 23	16 7 5	5 1 1	10 1	3 36	13 40	0 33	21 34	0 51	13 19	1 14	14 24	1 30	23 34	0 9	7 47	1 42	21 32	8 38	15 1	15 22	17 5	17 11	4 24
M30	2 s46	12 s48 5	5n12	9 s 3 2	3 s26	13n23	0 s28	21n28		13 s20		14 s25	1 s30	23n34	0n 9			21n32	8n38	15 s 0	15 s21	17n 4	17s11	4n24

Julian Day Number = 2524471.5, Delta T = 162.67 sec Ecliptic obliquity = $23^{\circ}24'42$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'50$, Lahiri = $26^{\circ}38'51$

OCTOBER 2199 00:00 UT

															••••	
Day	Sid.t	0	D	ğ	ρ	ð	4	ħ)Å(并	Р	n	v	Ç	k _O	Day
T 1	0 39 23	7 £ 57'36	24≈ 4	15°R12	24 Q 8	289612	27°R51	25°R28	29耳33	24°R 7	24Ω19	10°R36	11 M .44	20951	7 , ₹35	T 1
W 2	0 43 20	8°56'28	8) 24	14 ♀ 9	25°15	28°47	27≈47	25≈25	29°33	24 ° 6	24°21	10 M .31	11°41	20°58	7°40	W 2
T 3	0 47 16	9°55'22	22°36	13° 2	26°21	29°21	27°43	25°23	29°34	24° 4	24°22	10°26	11°38	21° 4	7°45	T 3
F 4	0 51 13	10°54'18	6 Ƴ 34	11°54	27°29	29°55	27°39	25°20	29°34	24° 3	24°24	10°22	11°35	21°11	7°51	F 4
S 5	0 55 9	11°53'16	20°15	10°46	28°36	0 Ω 29	27°35	25°18	29°R34	24° 1	24°25	10°19	11°31	21°18	7°56	S 5
S 6	0 59 6	12°52'16	3 8 36	9°40	29°43	1° 4	27°32	25°15	29°34	23°59	24°26	10°18	11°28	21°25	8° 1	S 6
M 7	1 3 3	13°51'19	16°37	8°38	0 m 51	1°37	27°29	25°13	29°34	23°58	24°28	10°D18	11°25	21°31	8° 7	M 7
T 8	1 6 59	14°50'23	29°18	7°42	1°59	2°11	27°26	25°11	29°33	23°56	24°29	10°19	11°22	21°38	8°12	T 8
W 9	1 10 56	15°49'30	11 II 41	6°52	3° 7	2°45	27°23	25° 9	29°33	23°54	24°30	10°21	11°19	21°45	8°18	W 9
T 10	1 14 52	16°48'39	23°50	6°11	4°15	3°18	27°20	25° 7	29°33	23°53	24°32	10°22	11°15	21°51	8°23	T 10
F 11	1 18 49	17°47'50	59649	5°40	5°24	3°51	27°18	25° 5	29°33	23°51	24°33	10°24	11°12	21°58	8°29	F 11
S 12	1 22 45	18°47'04	17°42	5°18	6°32	4°25	27°15	25° 4	29°32	23°49	24°34	10°R24	11° 9	22° 5	8°35	S 12
S 13	1 26 42	19°46'20	29°34	5°D 8	7°41	4°58	27°13	25° 2	29°32	23°48	24°35	10°24	11° 6	22°12	8°40	S 13
M14	1 30 38	20°45'38	11 .0 31	5° 8	8°50	5°30	27°11	25° 0	29°32	23°46	24°36	10°22	11° 3	22°18	8°46	M14
T 15	1 34 35	21°44'58	23°36	5°19	9°59	6° 3	27° 9	24°59	29°31	23°44	24°38	10°20	11° 0	22°25	8°52	T 15
W16	1 38 32	22°44'21	5 m 53	5°41	11° 9	6°35	27° 8	24°57	29°31	23°43	24°39	10°18	10°56	22°32	8°58	W16
T 17	1 42 28	23°43'46	18°26	6°12	12°18	7° 8	27° 7	24°56	29°30	23°41	24°40	10°15	10°53	22°38	9° 4	T 17
F 18	1 46 25	24°43'13	1 ≏ 16	6°52	13°28	7°40	27° 5	24°55	29°29	23°39	24°41	10°13	10°50	22°45	9°10	F 18
S 19	1 50 21	25°42'42	14°23	7°41	14°37	8°12	27° 4	24°54	29°29	23°38	24°42	10°11	10°47	22°52	9°16	S 19
S 20	1 54 18	26°42'13	27°48	8°38	15°47	8°43	27° 4	24°53	29°28	23°36	24°43	10°10	10°44	22°59	9°22	S 20
M21	1 58 14	27°41'46	11 M 29	9°42	16°57	9°15	27° 3	24°52	29°27	23°34	24°44	10°D10	10°40	23° 5	9°29	M21
T 22	2 2 1 1	28°41'22	25°23	10°51	18° 7	9°46	27° 3	24°51	29°26	23°33	24°45	10°10	10°37	23°12	9°35	T 22
W23	2 6 7	29°40'59	9 .₹ 27	12° 6	19°18	10°18	27°D 3	24°50	29°25	23°31	24°46	10°11	10°34	23°19	9°41	W23
T 24	2 10 4	0 M .40'38	23°38	13°26	20°28	10°49	27° 3	24°50	29°24	23°29	24°47	10°12	10°31	23°25	9°48	T 24
F 25	2 14 0	1°40'19	7 云 53	14°49	21°39	11°19	27° 3	24°49	29°23	23°28	24°48	10°13	10°28	23°32	9°54	F 25
S 26	2 17 57	2°40'01	22° 8	16°16	22°49	11°50	27° 4	24°49	29°22	23°26	24°49	10°13	10°25	23°39	10° 1	S 26
S 27	2 21 54	3°39'45	6≈20	17°46	24° 0	12°20	27° 4	24°49	29°21	23°24	24°50	10°R13	10°21	23°46	10° 7	S 27
M28	2 25 50	4°39'31	20°29	19°17	25°11	12°50	27° 5	24°49	29°20	23°23	24°50	10°13	10°18	23°52	10°14	M28
T 29	2 29 47	5°39'18	4 ∺ 30	20°51	26°22	13°20	27° 6	24°D48	29°19	23°21	24°51	10°12	10°15	23°59	10°20	T 29
W30	2 33 43	6°39'07	18°23	22°26	27°33	13°50	27° 8	24°49	29°18	23°19	24°52	10°12	10°12	24° 6	10°27	W30
T 31	2 37 40	7 M 38'58	2 Υ 6	24 <u>₽</u> 3	28 m /45	14 Ω 19	27≈ 9	24≈49	29 Ⅱ 16	23 Y 18	24 Ω 53	10 M .12	10 M 9	249512	10 ∡ 34	T 31

Day	0	D	ğ	φ	ď	4	ħ)Å(卉	Р	ß	Ω	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl de	cl lat
T 1 W 2	3 s 9 3 32	8 s42 5n 3 4 8 4 36	8 s 5 8 3 s 1 4 8 2 1 3 1	13n 5 0s24 2 12 47 0 19 2				23n34 On 9 23 34 O 9			14 s59 1 14 57 1		17n 3 17s 17 1 17	
T 3 F 4	3 56 4 19	0n37 3 52 5 16 2 54	7 41 2 46 6 59 2 29	12 11 0 10 2	1 4 0 57	13 25 1 13	14 29 1 30	23 34 0 9 23 34 0 10	7 44 1 42	21 31 8 39		15 17 1	16 59 17	15 4 23
S 5 S 6	4 42 5 5	9 34 1 48 13 17 0 37						23 34 0 10 23 34 0 10					16 57 17 16 56 17	
M 7 T 8	5 28 5 50	16 14 0s35 18 18 1 43	4 49 1 31 4 8 1 11		20 45 1 0 20 39 1 2	13 29 1 13 13 30 1 13		23 34 0 10 23 34 0 10					16 55 17 16 53 17	-
W 9 T 10	6 36	19 27 2 44 19 39 3 37	2 55 0 30	10 11 0 15 2	20 26 1 4	13 31 1 13	14 33 1 30	23 34 0 10 23 34 0 10	7 41 1 42	21 30 8 41	14 55 1	15 11 1	16 52 17 1 16 51 17 1	21 4 23
F 11 S 12		18 58 4 20 17 26 4 51	2 25 0 11 1 59 0n 8					23 34 0 10 23 34 0 10			14 55 1 14 55 1		16 49 17 1 16 48 17 1	
S 13 M14	8 6	15 10 5 10 12 15 5 15	1 24 0 41	8 44 0 31 1	9 59 1 9	13 34 1 12	14 35 1 30	23 34 0 10 23 34 0 10	7 38 1 42	21 29 8 42	14 55 1 14 55 1	15 7 1	16 47 17 1 16 45 17 1	25 4 22
T 15 W16 T 17	8 28 8 50 9 12	8 48 5 7 4 56 4 44 0 46 4 8	1 15 0 56 1 11 1 9 1 13 1 21	7 58 0 38 1	9 52 1 10 9 45 1 11 9 38 1 13	13 35 1 12	14 36 1 30	23 34 0 10 23 34 0 10 23 34 0 10	7 37 1 42	21 29 8 42	14 54 1 14 53 1 14 53 1	15 5 1	16 44 17 : 16 43 17 : 16 41 17 :	27 4 22
F 18 S 19	9 34 9 56	0 46 4 8 3 s 32 3 19 7 47 2 18	1 20 1 31 1 31 1 40	7 12 0 46 1	9 31 1 14	13 35 1 12	14 36 1 29	23 34 0 10 23 34 0 10 23 34 0 10	7 36 1 42	21 29 8 43	14 52 1 14 51 1	15 4 1	16 40 17 1 16 39 17 1	29 4 22
S 20 M21	,	11 44 1 8 15 9 0n 7	1 47 1 47 2 6 1 53			13 36 1 11 13 36 1 11		23 34 0 10 23 34 0 10			14 51 1 14 51 1		16 37 17 1 16 36 17	
T 22 W23	11 21	17 44 1 23 19 17 2 35		5 11 1 2 1	8 56 1 20		14 37 1 29		7 33 1 42	21 28 8 44	-	14 59 1	16 35 17 1 16 33 17 1	34 4 21
T 24 F 25 S 26	12 2	19 38 3 38 18 43 4 28 16 38 5 1	3 25 2 3 3 56 2 4 4 29 2 4	4 21 1 8 1	8 49 1 22 8 41 1 23 8 34 1 24		14 38 1 29	23 34 0 10 23 34 0 10 23 34 0 10	7 31 1 42	21 28 8 45	14 52 1	14 57 1	16 32 17 1 16 31 17 1 16 29 17	36 4 21
S 27	12 43	13 33 5 16	5 4 2 3	3 30 1 13 1	8 27 1 26	13 34 1 10	14 38 1 29	23 35 0 10	7 30 1 42	21 28 8 46	14 52 1	14 55 1	16 28 17	38 4 21
M28 T 29	13 4 13 23	9 43 5 12 5 21 4 49				13 33 1 10	14 38 1 29	23 35 0 10 23 35 0 10	7 29 1 42	21 28 8 46	14 52 1	14 53 1	16 26 17 1 16 25 17	40 4 21
W30 T 31	13 43 14 s 3	0 45 4 9 3n50 3n16	0 00 1 00	-				23 35 0 10 23n35 0n10					16 24 17 4 16n22 17s	

Julian Day Number = 2524501.5, Delta T = 162.75 sec Ecliptic obliquity = $23^{\circ}24'42$, Nutation = $0^{\circ}00'11$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'54$, Lahiri = $26^{\circ}38'55$

NOVEMBER 2199 00:00 UT

Day	Sid.t	0	J	ğ	φ	ð	4	ħ)ф(ħ	Р	S.	Ω	Ç	, k	Day
F 1	2 41 36	8ML38'50	15 Y 37	25 ≙ 40	29 m 56	14 Ω 49	27≈11	24≈49	29°R15	23°R16	24€54	10°R11	10 M 6	249619	10 ∡ 140	F 1
S 2	2 45 33	9°38'44	28°53	27°18	1₾ 8	15°18	27°13	24°49	29∏14	23 Y 15	24°54	10 M .11	10° 2	24°26	10°47	S 2
S 3	2 49 29	10°38'40	11856	28°57	2°19	15°47	27°15	24°50	29°12	23°13	24°55	10°11	9°59	24°33	10°54	S 3
M 4	2 53 26	11°38'39	24°43	0 M .35	3°31	16°15	27°17	24°50	29°11	23°11	24°56	10°11	9°56	24°39	11° 1	M 4
T 5	2 57 23	12°38'39	7 Ⅱ 15	2°14	4°43	16°44	27°20	24°51	29° 9	23°10	24°56	10°11	9°53	24°46	11° 7	T 5
W 6	3 1 19	13°38'41	19°34	3°53	5°55	17°12	27°22	24°52	29° 8	23° 8	24°57	10°11	9°50	24°53	11°14	W 6
T 7	3 5 16	14°38'45	19542	5°32	7° 7	17°39	27°25	24°52	29° 6	23° 7	24°57	10°10	9°46	24°59	11°21	T 7
F 8	3 9 12	15°38'51	13°40	7°11	8°19	18° 7	27°28	24°53	29° 5	23° 5	24°58	10°10	9°43	25° 6	11°28	F 8
S 9	3 13 9	16°38'59	25°33	8°50	9°31	18°34	27°32	24°54	29° 3	23° 4	24°58	10° 9	9°40	25°13	11°35	S 9
S 10	3 17 5	17°39'09	7Ω 26	10°29	10°43	19° 1	27°35	24°56	29° 1	23° 2	24°59	10° 9	9°37	25°20	11°42	S 10
M11	3 21 2	18°39'21	19°21	12° 7	11°56	19°28	27°39	24°57	29° 0	23° 1	24°59	10°D 8	9°34	25°26	11°49	M11
T 12	3 24 58	19°39'35	1 m) 24	13°45	13° 8	19°55	27°43	24°58	28°58	22°59	25° 0	10° 9	9°31	25°33	11°56	T 12
W13	3 28 55	20°39'51	13°40	15°23	14°21	20°21	27°47	25° 0	28°56	22°58	25° 0	10° 9	9°27	25°40	12° 4	W13
T 14	3 32 52	21°40'09	26°13	17° 0	15°34	20°47	27°51	25° 1	28°54	22°56	25° 1	10°10	9°24	25°46	12°11	T 14
F 15	3 36 48	22°40'29	9 쇼 7	18°38	16°46	21°13	27°55	25° 3	28°52	22°55	25° 1	10°11	9°21	25°53	12°18	F 15
S 16	3 40 45	23°40'51	22°23	20°14	17°59	21°38	28° 0	25° 5	28°50	22°54	25° 1	10°12	9°18	26° 0	12°25	S 16
S 17	3 44 41	24°41'15	6M 2	21°51	19°12	22° 3	28° 4	25° 6	28°48	22°52	25° 2	10°R13	9°15	26° 7	12°32	S 17
M18	3 48 38	25°41'40	20° 3	23°27	20°25	22°28	28° 9	25° 8	28°46	22°51	25° 2	10°13	9°12	26°13	12°39	M18
T 19	3 52 34	26°42'07	4 ~ 23	25° 3	21°38	22°52	28°15	25°11	28°44	22°50	25° 2	10°12	9° 8	26°20	12°47	T 19
W20	3 56 31	27°42'36	18°57	26°39	22°51	23°16	28°20	25°13	28°42	22°48	25° 2	10°10	9° 5	26°27	12°54	W20
T 21	4 0 27	28°43'07	3 云 37	28°15	24° 5	23°40	28°25	25°15	28°40	22°47	25° 2	10° 8	9° 2	26°34	13° 1	T 21
F 22	4 4 24	29°43'38	18°18	29°50	25°18	24° 3	28°31	25°17	28°38	22°46	25° 3	10° 5	8°59	26°40	13° 9	F 22
S 23	4 8 21	0 , 744'11	2≈52	1 才 25	26°31	24°26	28°37	25°20	28°36	22°45	25° 3	10° 3	8°56	26°47	13°16	S 23
S 24	4 12 17	1°44'45	17°14	3° 0	27°44	24°49	28°43	25°22	28°34	22°43	25° 3	10° 1	8°52	26°54	13°23	S 24
M25	4 16 14	2°45'21	1 米 22	4°34	28°58	25°11	28°49	25°25	28°31	22°42	25° 3	10°D 0	8°49	27° 0	13°31	M25
T 26	4 20 10	3°45'57	15°14	6° 9	0 M .11	25°33	28°55	25°28	28°29	22°41	25°R 3	10° 1	8°46	27° 7	13°38	T 26
W27	4 24 7	4°46'34	28°50	7°43	1°25	25°55	29° 2	25°31	28°27	22°40	25° 3	10° 2	8°43	27°14	13°45	W27
T 28	4 28 3	5°47'13	12 Y 10	9°17	2°39	26°16	29° 9	25°33	28°25	22°39	25° 3	10° 4	8°40	27°21	13°53	T 28
F 29	4 32 0	6°47'53	25°16	10°51	3°52	26°37	29°15	25°36	28°22	22°38	25° 3	10° 5	8°37	27°27	14° 0	F 29
S 30	4 35 56	7 . ₹¹48'33	8 8 9	12 × 25	5 M 6	26 Ω 57	29≈22	25≈40	28Ⅲ20	22 Y 36	25⋒ 3	10°R 6	8 M .33	27934	14 才 7	S 30

Record	Š
S 2 14 41 12 2 1 2 8 52 1 45 0 54 1 28 17 43 1 34 13 31 1 9 14 37 1 28 23 35 0 10 7 7 1 42 21 28 8 47 14 51 14 49 16 28 3 3 3 1 9 14 37 1 28 23 35 0 10 7 26 1 42 21 28 8 48 14 51 14 49 16 28 3 3 3 1 9 14 37 1 28 23 35 0 10 7 26 1 42 21 28 8 48 14 51 14 48 16 18 14 47 16 17 17 18 14 18	decl lat
S 3 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 0 15 15 13 17 15 1 14 40 10 15 15 14 15 14 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 14 15 15 15 15 16 16 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	17 s43 4n21
M 4 15 19 17 38 1 20 10 11 1 35 0 1 1 32 17 29 1 37 13 29 1 9 14 37 1 28 23 35 0 10 7 25 1 42 21 28 8 48 14 51 14 47 16 16 17 5 15 37 19 7 2 25 10 50 1 29 0s26 1 34 17 22 1 38 13 28 1 9 14 36 1 28 23 35 0 10 7 25 1 42 21 28 8 48 14 51 14 46 16 18 18 18 18 18 18 18 18 18 18 18 18 18	17 44 4 20
T 5 15 37 19 7 2 25 10 50 1 29 0 826 1 34 17 22 1 38 13 28 1 9 14 36 1 28 23 35 0 10 7 25 1 42 21 28 8 48 14 51 14 46 16 16 18 18 0 15 55 19 39 3 22 11 29 1 24 0 53 1 36 17 15 1 40 13 27 1 9 14 36 1 28 23 35 0 10 7 24 1 42 21 28 8 49 14 51 14 45 16 16 18 18 18 12 0 1 37 17 8 1 41 13 26 1 9 14 36 1 28 23 35 0 10 7 24 1 42 21 29 8 49 14 51 14 44 16 18 18 18 19 10 16 53 1 44 12 46 1 12 1 47 1 39 17 1 1 43 13 24 1 8 14 35 1 28 23 35 0 10 7 24 1 42 21 29 8 49 14 51 14 44 16 18 18 18 19 10 16 53 1 44 13 23 1 8 14 35 1 28 23 35 0 10 7 22 1 42 21 29 8 49 14 51 14 44 16 18 18 18 19 31 0 8 7 9 1 51 15 40 2 2 13 18 1 1 7 7 1 41 21 31 8 53 14 51 14 30 15 5 18 18 19 10 16 52 0n54 18 32 0 5 6 6 6 43 1 51 15 50 15 50 15 50 15 13 10 8 7 9 1 51 19 8 4 44 20 0 0 15 7 36 1 52 15 33 2 3 13 3 1 6 14 27 12 72 33 5 0 10 7 7 1 1 41 21 31 8 53 14 51 14 50 14	17 45 4 20
W 6	
T 7 16 13 19 16 4 8 12 8 1 18 1 20 1 37 17 8 1 41 13 26 1 9 14 36 1 28 23 35 0 10 7 24 1 42 21 29 8 49 14 51 14 44 16 18 18 18 18 18 18 18 18 18 18 18 18 18	
F 8 16 30 18 0 4 44 12 46 1 12 1 47 1 39 17 1 1 43 13 24 1 8 14 35 1 28 23 35 0 10 7 23 1 42 21 29 8 49 14 51 14 43 16 16 S 10 17 5 13 17 5 17 14 1 1 0 59 2 41 1 42 16 46 1 46 13 22 1 8 14 34 1 28 23 35 0 10 7 22 1 42 21 29 8 50 14 51 14 41 16 M11 17 21 10 3 5 13 14 37 0 52 3 8 1 43 16 39 1 47 13 20 1 8 14 34 1 28 23 35 0 10 7 22 1 42 21 29 8 50 14 51 14 41 16 M13 17 21 17 38 6 21 4 55 15 13 0 46 3 35 1 45 16 33 1 49 13 19 1 8 14 33 1 27 23 35 0 10 7 21 1 42 21 29 8 50 14 51 14 40 16 T12 17 38 6 21 4 55 15 13 0 46 3 35 1 45 16 33 1 49 13 19 1 8 14 33 1 27 23 35 0 10 7 21 1 42 21 29 8 50 14 51 14 40 16 M13 17 54 2 20 4 24 15 48 0 39 4 2 1 46 16 26 1 50 13 17 1 8 14 33 1 27 23 35 0 10 7 21 1 42 21 29 8 51 14 51 14 38 16 T14 18 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
S 9	
S 10	
M11	17 51 4 20
T12 17 38 6 21 4 55 15 13 0 46 3 35 1 45 16 33 1 49 13 19 1 8 14 33 1 27 23 35 0 10 7 21 1 42 21 29 8 51 14 51 14 39 16 W13 17 54 2 20 4 24 15 48 0 39 4 2 1 46 16 26 1 50 13 17 1 8 14 33 1 27 23 35 0 10 7 21 1 42 21 29 8 51 14 51 14 38 16 T14 18 10 1 s52 3 40 16 23 0 32 4 29 1 47 16 19 1 52 13 16 1 8 14 32 1 27 23 35 0 10 7 20 1 42 21 30 8 51 14 51 14 37 16 F15 18 25 6 7 2 44 16 56 0 25 4 55 1 48 16 12 1 53 13 14 1 7 14 32 1 27 23 35 0 10 7 20 1 42 21 30 8 52 14 51 14 36 16 S 16 18 40 10 12 1 37 17 29 0 19 5 22 1 49 16 5 1 55 13 12 1 7 14 31 1 27 23 35 0 10 7 7 19 1 42 21 30 8 52 14 52 14 35 16 S 17 18 55 13 53 0 23 18 1 0 12 5 49 1 49 15 59 1 57 13 11 1 7 14 30 1 27 23 35 0 10 7 7 19 1 42 21 30 8 52 14 52 14 33 15 5 M18 19 10 16 52 0n54 18 32 0 5 6 16 1 50 15 52 1 58 13 9 1 7 14 29 1 27 23 35 0 10 7 7 19 1 42 21 30 8 52 14 52 14 33 15 5 M18 19 10 16 52 0n54 18 32 0 5 6 16 1 50 15 52 1 58 13 9 1 7 14 29 1 27 23 35 0 10 7 7 18 1 42 21 30 8 53 14 52 14 31 15 5 W20 19 38 19 40 3 18 19 31 0 8 7 9 1 51 15 40 2 2 13 3 5 1 7 14 28 1 27 23 35 0 10 7 7 17 1 41 21 31 8 53 14 51 14 30 15 5 T21 19 51 19 8 4 14 20 0 0 15 7 36 1 52 15 33 2 3 13 3 1 6 14 27 1 27 23 35 0 10 7 7 17 1 41 21 31 8 53 14 50 14 29 15 5	17 52 4 20
W13	17 53 4 20
T 14	17 53 4 20
F 15	
S 16	
S 17 18 55 13 53 0 23 18 1 0 12 5 49 1 49 15 59 1 57 13 11 1 7 7 14 30 1 27 23 35 0 10 7 19 1 42 21 30 8 52 14 52 14 33 15 5 M18 19 10 16 52 0n54 18 32 0 5 6 16 1 50 15 52 1 58 13 9 1 7 14 29 1 27 23 35 0 10 7 18 1 42 21 30 8 53 14 52 14 32 15 5 T 19 19 24 18 52 2 10 19 2 0 8 2 6 43 1 51 15 46 2 0 13 7 1 7 14 29 1 27 23 35 0 10 7 18 1 42 21 31 8 53 14 52 14 31 15 5 W20 19 38 19 40 3 18 19 31 0 8 7 9 1 51 15 40 2 2 13 5 1 7 14 28 1 27 23 35 0 10 7 17 1 41 21 31 8 53 14 51 14 30 15 5 T 21 19 51 19 8 4 14 20 0 0 15 7 36 1 52 15 33 2 3 13 3 1 6 14 27 1 27 23 35 0 10 7 17 1 41 21 31 8 54 14 50 14 29 15 5	
M18	17 57 4 21
T 19	17 58 4 21
W20 19 38 19 40 3 18 19 31 0 8 7 9 1 51 15 40 2 2 13 5 1 7 14 28 1 27 23 35 0 10 7 17 1 41 21 31 8 53 14 51 14 30 15 5 T 21 19 51 19 8 4 14 20 0 0 15 7 36 1 52 15 33 2 3 13 3 1 6 14 27 1 27 23 35 0 10 7 17 1 41 21 31 8 54 14 50 14 29 15 5	17 59 4 21
T 21 19 51 19 8 4 14 20 0 0 15 7 36 1 52 15 33 2 3 13 3 1 6 14 27 1 27 23 35 0 10 7 17 1 41 21 31 8 54 14 50 14 29 15 5	17 59 4 21
LE 22 20 4 17 20 4 52 20 27 0 20 0 21 50 15 27 20 11 11 12 20 20 20 20	-
F 22 20 4 17 20 4 53 20 27 0 22 8 2 1 52 15 27 2 5 13 1 1 6 14 26 1 27 23 35 0 10 7 16 1 41 21 31 8 54 14 49 14 28 15 5	-
S 23 20 17 14 25 5 12 20 53 0 28 8 28 1 52 15 21 2 7 12 59 1 6 14 25 1 27 23 35 0 10 7 16 1 41 21 32 8 54 14 49 14 27 15 5	18 3 4 21
S 24 20 29 10 41 5 12 21 18 0 35 8 54 1 52 15 15 2 8 12 56 1 6 14 24 1 26 23 35 0 10 7 16 1 41 21 32 8 55 14 48 14 26 15 4	18 4 4 21
M25 20 41 6 24 4 53 21 42 0 41 9 20 1 53 15 9 2 10 12 54 1 6 14 23 1 26 23 35 0 10 7 15 1 41 21 32 8 55 14 48 14 25 15 4	18 4 4 21
T 26 20 53 1 51 4 17 22 5 0 47 9 46 1 53 15 3 2 12 12 52 1 6 14 22 1 26 23 35 0 10 7 15 1 41 21 32 8 55 14 48 14 24 15 4	18 5 4 21
W27 21 4 2n43 3 28 22 27 0 54 10 12 1 52 14 58 2 14 12 49 1 6 14 21 1 26 23 35 0 10 7 14 1 14 21 33 8 56 14 48 14 23 15 4 48 14 23	
T 28 21 15 7 4 2 27 22 48 1 0 10 37 1 52 14 52 2 15 12 47 1 5 14 20 1 26 23 35 0 10 7 14 1 41 21 33 8 56 14 49 14 22 15 4	
F 29 21 25 11 1 1 21 23 8 1 6 11 2 1 52 14 47 2 17 12 44 1 5 14 19 1 26 23 34 0 10 7 14 1 41 21 33 8 56 14 49 14 21 15 4	
S 30 21 s35 14n22 0n11 23 s26 1 s11 11 s27 1n52 14n41 2n19 12 s42 1 s 5 14 s18 1 s26 23 n34 0n10 7n13 1 s41 21n34 8n57 14 s50 14 s20 15 n4	18s 8 4n22

Julian Day Number = 2524532.5, Delta T = 162.83 sec Ecliptic obliquity = $23^{\circ}24'41$, Nutation = $0^{\circ}00'10$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}31'58$, Lahiri = $26^{\circ}38'59$

DECEMBER 2199 00:00 UT

Day	Sid.t	0	D	ğ	·	♂	4	ħ)મું(并	В	n	Ω	Ç	ķ	Day
S 1	4 39 53	8 1 /49'16	20849	13 × 758	6M20	27Ω17	29≈30	25≈43	28°R18	22°R35	25°R 2	10°R 5	8M.30	279541	14 × 15	S 1
M 2	4 43 50	9°49'59	3 I I19	15°32	7°34	27°37	29°37	25°46	28 I I15	22 Y 34	25 Ω 2	10M 3	8°27	27°47	14°22	M 2
T 3	4 47 46	10°50'44	15°39	17° 5	8°48	27°56	29°44	25°50	28°13	22°33	25° 2	10° 0	8°24	27°54	14°30	T 3
W 4	4 51 43	11°51'29	27°50	18°39	10° 1	28°14	29°52	25°53	28°10	22°32	25° 2	9°55	8°21	28° 1	14°37	W 4
T 5	4 55 39	12°52'17	9952	20°12	11°15	28°33	29°59	25°57	28° 8	22°31	25° 2	9°49	8°18	28° 8	14°44	T 5
F 6	4 59 36	13°53'05	21°49	21°45	12°29	28°50	0 ∀ 8	26° 0	28° 5	22°31	25° 1	9°42	8°14	28°14	14°52	F 6
S 7	5 3 32	14°53'55	3 Ω 41	23°18	13°44	29° 8	0°16	26° 4	28° 3	22°30	25° 1	9°36	8°11	28°21	14°59	S 7
S 8	5 7 29	15°54'46	15°32	24°52	14°58	29°25	0°24	26° 8	28° 1	22°29	25° 1	9°31	8° 8	28°28	15° 7	S 8
M 9	5 11 25	16°55'38	27°26	26°25	16°12	29°41	0°32	26°12	27°58	22°28	25° 0	9°27	8° 5	28°35	15°14	M 9
T 10	5 15 22	17°56'31	9 m 26	27°58	17°26	29°57	0°41	26°16	27°55	22°27	25° 0	9°25	8° 2	28°41	15°21	T 10
W11	5 19 19	18°57'26	21°38	29°31	18°40	0 Mp 12	0°50	26°20	27°53	22°26	25° 0	9°D24	7°58	28°48	15°29	W11
T 12	5 23 15	19°58'22	4 º 5	1중 4	19°55	0°27	0°58	26°24	27°50	22°26	24°59	9°25	7°55	28°55	15°36	T 12
F 13	5 27 12	20°59'19	16°54	2°36	21° 9	0°41	1° 7	26°28	27°48	22°25	24°59	9°27	7°52	29° 1	15°43	F 13
S 14	5 31 8	22° 0'18	0 ™ 7	4° 9	22°23	0°55	1°16	26°33	27°45	22°24	24°58	9°28	7°49	29° 8	15°51	S 14
S 15	5 35 5	23° 1'17	13°48	5°42	23°38	1° 8	1°26	26°37	27°43	22°24	24°58	9°R28	7°46	29°15	15°58	S 15
M16	5 39 1	24° 2'18	27°57	7°14	24°52	1°21	1°35	26°41	27°40	22°23	24°57	9°27	7°43	29°22	16° 6	M16
T 17	5 42 58	25° 3'20	12 × 31	8°46	26° 7	1°33	1°44	26°46	27°38	22°23	24°57	9°23	7°39	29°28	16°13	T 17
W18	5 46 54	26° 4'22	27°25	10°18	27°21	1°45	1°54	26°51	27°35	22°22	24°56	9°17	7°36	29°35	16°20	W18
T 19	5 50 51	27° 5'26	12 る 31	11°50	28°36	1°55	2° 4	26°55	27°33	22°21	24°55	9°10	7°33	29°42	16°28	T 19
F 20	5 54 48	28° 6'30	27°39	13°21	29°50	2° 6	2°14	27° 0	27°30	22°21	24°55	9° 2	7°30	29°48	16°35	F 20
S 21	5 58 44	29° 7'34	12≈38	14°51	1 √ 5	2°15	2°24	27° 5	27°27	22°21	24°54	8°55	7°27	29°55	16°42	S 21
S 22	6 2 41	0පි 8'39	27°20	16°21	2°19	2°24	2°34	27°10	27°25	22°20	24°53	8°49	7°24	ON 2	16°49	S 22
M23	6 6 3 7	1° 9'44	11) (40	17°50	3°34	2°33	2°44	27°15	27°22	22°20	24°53	8°45	7°20	0° 9	16°57	M23
T 24	6 10 34	2°10'49	25°36	19°18	4°49	2°40	2°54	27°20	27°20	22°19	24°52	8°43	7°17	0°15	17° 4	T 24
W25	6 14 30	3°11'54	9 Υ 8	20°45	6° 3	2°47	3° 5	27°25	27°17	22°19	24°51	8°D43	7°14	0°22	17°11	W25
T 26	6 18 27	4°13'00	22°18	22°10	7°18	2°54	3°15	27°30	27°15	22°19	24°50	8°44	7°11	0°29	17°18	T 26
F 27	6 22 24	5°14'06	5 8 9	23°34	8°33	2°59	3°26	27°36	27°12	22°19	24°50	8°R45	7° 8	0°36	17°25	F 27
S 28	6 26 20	6°15'12	17°45	24°55	9°47	3° 4	3°37	27°41	27°10	22°18	24°49	8°44	7° 4	0°42	17°32	S 28
S 29	6 30 17	7°16'18	0П 9	26°15	11° 2	3° 9	3°48	27°47	27° 7	22°18	24°48	8°42	7° 1	0°49	17°40	S 29
M30	6 34 13	8°17'25	12°23	27°31	12°17	3°12	3°59	27°52	27° 5	22°18	24°47	8°37	6°58	0°56	17°47	M30
T 31	6 38 10	9 ට 18'31	24∏30	28 궁 44	13 × 32	3 m 15	4 光 10	27≈58	27 II 2	22 Y 18	24 Ω 46	8M29	6 M 55	1 0 2	17 ₹ 54	T 31

Day	0	D	ğ	Q	ð	4	ħ)Å(卉	Р	R	υ ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
S 1 M 2		18 46 2 4	23 59 1 2		4 31 2 23	12 s 39 1 s 5 1 2 3 6 1 5	14 16 1 26	23n34 0n10 23 34 0 10	7 13 1 41	21 34 8 57	14 49 14	4s19 15n39 4 18 15 37	18 9 4 22
T 3 W 4 T 5		19 32 3 51	24 14 1 2 24 28 1 3 24 40 1 3	3 13 4 1 49 1	4 22 2 27	12 34 1 5 12 31 1 5 12 28 1 5	14 13 1 26	23 34 0 10 23 34 0 10 23 34 0 11	7 12 1 41	21 35 8 58	14 46 14	4 17 15 36 4 16 15 34 4 15 15 33	18 11 4 22
F 6 S 7	22 26	16 47 4 56	24 51 1 4 25 1 1 4	2 13 51 1 48 1	4 13 2 30		14 11 1 26	23 34 0 11 23 34 0 11	7 11 1 41	21 36 8 58	14 42 14	4 14 15 31 4 13 15 30	18 12 4 23
S 8 M 9 T 10	22 40 22 46 22 52	7 43 4 56	25 9 1 5 25 16 1 5 25 22 1 5	55 14 59 1 45 1	4 0 2 36		14 7 1 25	23 34 0 11 23 34 0 11 23 34 0 11	7 11 1 41 7 10 1 41 7 10 1 41	21 37 8 59	14 37 14	4 12 15 28 4 11 15 27 4 10 15 25	18 14 4 23
W11 T 12	22 57 22 57 23 2	0s13 3 51 4 23 3 0	25 26 2 25 29 2	2 15 43 1 43 1 5 16 4 1 41 1	3 53 2 40 3 50 2 42	12 10 1 4 12 6 1 4	14 4 1 25 14 2 1 25	23 34 0 11 23 34 0 11	7 10 1 41 7 10 1 41	21 38 9 0 21 39 9 0	14 37 14 14 37 14	4 9 15 24 4 8 15 23	18 15 4 24 18 16 4 24
		12 17 0 50	25 30 2 1	0 16 45 1 39 1	3 44 2 46	12 0 1 3	13 59 1 25	23 34 0 11 23 34 0 11	7 9 1 41	21 39 9 1	14 37 14 14 38 14	4 6 15 20	18 17 4 24
S 15 M16 T 17	23 14 23 17 23 19	18 5 1 38		3 17 25 1 36 1	3 38 2 51	11 56 1 3 11 53 1 3 11 49 1 3	13 56 1 25		7 9 1 40 7 9 1 40 7 9 1 40	21 40 9 2		4 4 15 17	18 17 4 24 18 18 4 25 18 18 4 25
T 19	23 21 23 23	18 16 4 35	25 16 2 1 25 9 2 1	6 18 3 1 32 1 6 18 21 1 31 1	3 34 2 55 3 32 2 57	11 46 1 3 11 42 1 3	13 53 1 25 13 51 1 25	23 34 0 11 23 34 0 11	7 9 1 40 7 8 1 40	21 42 9 2	14 34 14 14 32 14	4 1 15 12	18 19 4 25
	23 24 23 24	12 6 5 6		5 18 56 1 27 1	3 29 3 2		13 48 1 25	23 34 0 11 23 34 0 11	7 8 1 40	21 43 9 3	14 27 13	4 0 15 11 3 59 15 9	18 20 4 26
S 22 M23 T 24	23 25 23 24 23 24	3 12 4 18	24 38 2 1 24 25 2 1 24 10 2 1		3 27 3 6	11 31 1 2 11 27 1 2 11 24 1 2	13 44 1 24		7 8 1 40 7 8 1 40 7 8 1 40	21 44 9 4	14 25 13 14 24 13 14 23 13	3 57 15 6	18 21 4 26 18 21 4 26 18 22 4 27
	-	10 1 1 27	23 37 2	4 20 14 1 17 1	3 25 3 13	11 20 1 2 11 16 1 2	13 39 1 24	23 34 0 11 23 34 0 11	7 8 1 40 7 8 1 40	21 45 9 5	14 23 13 14 24 13	3 54 15 2	18 22 4 27 18 22 4 27
F 27 S 28		16 20 0s48	22 59 1 5	34 20 41 1 13 1	3 26 3 17		13 35 1 24	23 34 0 11 23 34 0 11		21 47 9 5		3 52 14 59	
M30		19 27 2 50	22 17 1 4	18 20 54 1 11 1 11 21 6 1 9 1 13 21 s18 1n 6 1	3 27 3 22	11 0 1 2	13 31 1 24	23 34 0 11 23 33 0 11 23n33 0n11	7 8 1 40	21 48 9 6	14 21 13	3 50 14 57 3 49 14 56 3 s48 14n54	18 24 4 28

Julian Day Number = 2524562.5, Delta T = 162.91 sec Ecliptic obliquity = 23°24'40, Nutation = 0°00'10, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°32'03, Lahiri = 26°39'03