

Astrodienst Ephemeris Tables for the year 2178

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 2178 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(#	Р	S.	S	Ç	ķ	Day
T 1	6 43 24	10340'28	25 8 18	6 ප 36	20중50	0 才 59	29 Y 53	1°R56	25) 24	3){ 44	22°R15	12°R20	12 る 21	5≈58	4°R 6	T 1
F 2	6 47 21	11°41'35	9∏33	8°11	22° 6	1°39	29°55	1 Ⅱ 52	25°25	3°46	229514	12る20	12°18	6° 5	4 8 5	F 2
S 3	6 51 17	12°42'42	24°11	9°46	23°21	2°20	29°57	1°49	25°27	3°47	22°13	12°D20	12°14	6°12	4° 5	S 3
S 4	6 55 14	13°43'50	995 9	11°22	24°36	3° 0	29°59	1°46	25°28	3°49	22°12	12°R20	12°11	6°18	4° 4	S 4
M 5	6 59 10	14°44'57	24°16	12°58	25°52	3°41	0 8 1	1°43	25°30	3°51	22°10	12°20	12° 8	6°25	4° 4	M 5
T 6	7 3 7	15°46'04	9 Ω 25	14°34	27° 7	4°22	0° 4	1°41	25°31	3°52	22° 9	12°19	12° 5	6°32	4° 3	T 6
W 7	7 7 4	16°47'12	24°26	16°11	28°22	5° 2	0° 6	1°38	25°33	3°54	22° 8	12°19	12° 2	6°38	4° 3	W 7
T 8	7 11 0	17°48'19	9 m 12	17°48	29°38	5°43	0° 9	1°35	25°35	3°56	22° 7	12°18	11°59	6°45	4° 2	T 8
F 9	7 14 57	18°49'27	23°35	19°25	0≈53	6°23	0°12	1°33	25°36	3°57	22° 5	12°18	11°55	6°52	4° 2	F 9
S 10	7 18 53	19°50'35	7 Ω 35	21° 3	2° 8	7° 4	0°16	1°30	25°38	3°59	22° 4	12°17	11°52	6°58	4° 2	S 10
S 11	7 22 50	20°51'43	21° 9	22°41	3°23	7°45	0°19	1°28	25°40	4° 1	22° 3	12°D17	11°49	7° 5	4° 2	S 11
M12	7 26 46	21°52'51	4M20	24°20	4°39	8°26	0°23	1°26	25°42	4° 3	22° 1	12°17	11°46	7°12	4° 2	M12
T 13	7 30 43	22°53'59	17°10	25°59	5°54	9° 6	0°26	1°24	25°44	4° 4	22° 0	12°18	11°43	7°18	4°D 2	T 13
W14	7 34 39	23°55'07	29°42	27°38	7° 9	9°47	0°30	1°21	25°46	4° 6	21°59	12°19	11°39	7°25	4° 2	W14
T 15	7 38 36	24°56'16	12 × 0	29°18	8°25	10°28	0°35	1°20	25°48	4° 8	21°58	12°20	11°36	7°32	4° 2	T 15
F 16	7 42 33	25°57'24	24° 7	0≈58	9°40	11° 9	0°39	1°18	25°50	4°10	21°56	12°21	11°33	7°38	4° 2	F 16
S 17	7 46 29	26°58'32	6 පි	2°39	10°55	11°50	0°44	1°16	25°52	4°12	21°55	12°22	11°30	7°45	4° 2	S 17
S 18	7 50 26	27°59'39	17°59	4°20	12°10	12°31	0°48	1°14	25°54	4°14	21°54	12°R22	11°27	7°52	4° 2	S 18
M19	7 54 22	29° 0'46	29°48	6° 1	13°26	13°12	0°53	1°13	25°56	4°16	21°53	12°21	11°24	7°58	4° 2	M19
T 20	7 58 19	0≈ 1'53	11 ≈ 36	7°43	14°41	13°52	0°59	1°12	25°59	4°18	21°51	12°19	11°20	8° 5	4° 3	T 20
W21	8 2 15	1° 2'59	23°25	9°25	15°56	14°33	1° 4	1°10	26° 1	4°20	21°50	12°17	11°17	8°12	4° 3	W21
T 22	8 6 12	2° 4'05	5) 17	11° 7	17°11	15°14	1° 9	1° 9	26° 3	4°22	21°49	12°13	11°14	8°18	4° 4	T 22
F 23	8 10 8	3° 5'09	17°13	12°50	18°26	15°55	1°15	1° 8	26° 6	4°24	21°47	12°10	11°11	8°25	4° 4	F 23
S 24	8 14 5	4° 6'13	29°18	14°32	19°42	16°36	1°21	1° 7	26° 8	4°26	21°46	12° 7	11° 8	8°32	4° 5	S 24
S 25	8 18 2	5° 7'16	11 Y 33	16°14	20°57	17°17	1°27	1° 6	26°10	4°28	21°45	12° 4	11° 5	8°38	4° 6	S 25
M26	8 21 58	6° 8'18	24° 3	17°56	22°12	17°58	1°33	1° 6	26°13	4°30	21°44	12° 2	11° 1	8°45	4° 6	M26
T 27	8 25 55	7° 9'19	6 8 52	19°38	23°27	18°39	1°40	1° 5	26°15	4°32	21°42	12°D 1	10°58	8°52	4° 7	T 27
W28	8 29 51	8°10'19	20° 2	21°19	24°42	19°21	1°46	1° 4	26°18	4°34	21°41	12° 2	10°55	8°58	4° 8	W28
T 29	8 33 48	9°11'18	3 Ⅱ 37	22°59	25°57	20° 2	1°53	1° 4	26°20	4°36	21°40	12° 3	10°52	9° 5	4° 9	T 29
F 30	8 37 44	10°12'16	17°39	24°39	27°12	20°43	2° 0	1° 4	26°23	4°38	21°39	12° 5	10°49	9°12	4°10	F 30
S 31	8 41 41	11≈13'13	299 7	26≈16	28≈27	21 ~ 24	2 8 7	1 I I 4	26 米 26	4) 40	21938	12 궁 6	10 ප 45	9 ≈ 18	4 8 11	S 31

Day	0	D		ğ	ç)	ď	?	2	+	ħ	<u> </u>)	ł(4	7	Е	<u> </u>	n	U	Ç	ď	5
	decl	decl lat	dec	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1 F 2	-	24 42 2	n53 24 s3	1 28	-	1 6	20 s 2 20 11	0 18	10n16 10 16	1 14		2s 4 2 3	2 s31 2 30		10 42	0 38	21n21 21 21	0 14	22 51	22 s51 22 51	16 43	12 11	0 s44 0 44
S 3 S 4			39 24 3		2 22 31		20 20 20 28		10 17 10 18		18 30	2 3	2 30		10 42		21 22			22 51 22 52			0 44
M 5	22 36	20 9 1	18 24 33 s 6 24 23	1 4	1 22 7	1 11	20 37	0 16	10 19	1 13		2 3 2 3	2 29 2 28	0 45		0 38	21 22 21 22	0 14	22 51	22 52	16 36	12 10	0 44
T 6 W 7		10 0 3	25 24 2 34 24 1	1 48	5 21 54 8 21 40	1 14	20 45 20 53	0 15	10 21 10 22	1 13	18 28	2 3 2 2	2 28 2 27	0 45	10 40 10 39	0 38	21 22 21 23	0 13	22 51	22 52 22 52	16 31	12 10	0 44 0 44
T 8 F 9 S 10	22 14 22 6 21 57	2s 4 5	26 24 1 1 23 54 17 23 4	1 5	2 21 26 5 21 11 8 20 56	1 15 1 17		0 13	10 23 10 24 10 26	1 12	18 28 18 28 18 27	2 2 2 2 2 2	2 26 2 25 2 25	0 44	10 39 10 38 10 37	0 38	21 23 21 23 21 24	0 13	22 51	22 53 22 53 22 53	16 26	12 9	0 44 0 44 0 44
S 11	21 48	13 6 5	14 23 2	2 (0 20 40	1 19	21 23	0 12	10 27	1 11	18 27	2 1	2 24	0 44	10 37	0 38	21 24	0 13	22 51	22 54	16 21	12 9	0 44
_	21 38 21 28	21 7 4	55 23 1	2 4	2 20 23 4 20 6	1 22	21 37	0 11 0 11	10 29 10 31	1 11	18 27 18 27	2 1 2 1	2 23 2 22	0 44	10 36	0 38	21 24	0 13	22 51	22 54 22 54	16 16	12 9	0 44 0 44
W14 T 15 F 16	21 7	24 52 2	35 22 39 41 22 20 40 21 59	2 (5 19 48 6 19 30 7 19 11		21 51	0 10 0 9 0 9	10 34	1 11 1 10 1 10		2 1 2 0 2 0	2 22 2 21 2 20	0 44 0 44 0 44	10 34	0 38	21 25 21 25 21 25	0 13	22 51	22 54 22 55 22 55	16 11	12 9	0 44 0 45 0 45
S 17	20 45	23 51 0	35 21 3	2 1	7 18 51	1 26	22 3	0 8	10 38	1 10	18 26	2 0	2 19	0 44	10 33	0 38	21 25	0 13	22 51	22 55	16 7	12 9	0 45
S 18 M19	20 20	18 37 1	35 20 4	2 (6 18 31 6 18 10	1 27	22 15	0 7 0 7	10 40 10 42	1 9	18 26	1 59	2 18 2 17	0 44		0 38		0 13	22 51	22 55 22 56	16 2	12 9	0 45 0 45
T 20 W21 T 22	20 7 19 54 19 41	10 26 3	35 20 19 28 19 5 12 19 2	2 2	4 17 49 2 17 27 0 17 5	1 29	22 26	0 6 0 5 0 4	10 44 10 46 10 48	1 9 1 8 1 8	18 26 18 26 18 26	1 59 1 59 1 58	2 16 2 15 2 14	0 44		0 38	21 26 21 26 21 27	0 13	22 51	22 56 22 56 22 57	15 57	12 9	0 45 0 45 0 45
F 23 S 24	19 27 19 13	0 39 4	46 18 4	1 5	7 16 43	1 30	-	0 4 0 3	10 50	1 8	18 26	1 58 1 58	2 13 2 12	0 44	10 29 10 28	0 38	21 27 21 27 21 27	0 12	22 52	22 57 22 57 22 57	15 52	12 10	0 45 0 45
S 25 M26	18 58	9 24 5	15 17 4	1 50	0 15 56	1 31	22 46	0 2	10 55	1 7	18 27	1 58	2 11	0 44	10 27	0 38	21 28	0 12	22 52	22 57	15 47	12 10	0 45
T 27 W28	18 43 18 28	18 17 4	46 16 3	1 40	0 15 8	1 32	22 55	0 2 0 1	11 0	1 7	18 27	1 57 1 57	2 10 2 9	0 44	10 26 10 26	0 38	21 28 21 28	0 12	22 52	22 58 22 58	15 42	12 10	0 45 0 45
T 29	18 12 17 56	24 4 3	16 15 1	1 2	7 14 18	1 32		0 s 1	11 2 11 5	1 7 1 6	18 27	1 57 1 57	2 8 2 7	0 44	10 25 10 24	0 38	21 28 21 29	0 12	22 52	22 58 22 58	15 37	12 11	0 45 0 45
F 30 S 31	17 40 17 s24		10 14 3 n55 13 s5		9 13 52 1 13 s26	1 32 1 s32	23 7 23 s10	0 1 0s 2	11 7 11n10	1 6 1s 6		1 56 1 s56			10 23 10 s22		21 29 21n29			22 59 22 s59			0 45 0 s45

Julian Day Number = 2516558.5, Delta T = 143.01 sec Ecliptic obliquity = 23°25'00, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°13'40, Lahiri = 26°20'40

FEBRUARY 2178 00:00 UT

Day	Sid.t	0	D	ğ	₽	♂	4	ħ)∤(¥	В	n	v	Ç	ę,	Day
S 1	8 45 37	12≈14'08	16958	27≈53	29≈42	22 × 5	2814	1°D 4	26 ¥ 28	4) (42	21°R36	12°R 6	10 궁 42	9≈25	4812	S 1
M 2	8 49 34	13°15'03	2 N 7	29°26	0 ∺ 57	22°46	2°21	1 I I 4	26°31	4°45	21935	12る 5	10°39	9°32	4°13	M 2
T 3	8 53 31	14°15'56	17°24	0 ∺ 58	2°12	23°28	2°29	1° 4	26°34	4°47	21°34	12° 2	10°36	9°38	4°14	T 3
W 4	8 57 27	15°16'49	2 m /38	2°26	3°27	24° 9	2°36	1° 4	26°36	4°49	21°33	11°58	10°33	9°45	4°15	W 4
T 5	9 1 24	16°17'40	17°41	3°50	4°42	24°50	2°44	1° 5	26°39	4°51	21°32	11°53	10°30	9°52	4°17	T 5
F 6	9 5 20	17°18'31	2 ∽ 22	5°10	5°57	25°31	2°52	1° 5	26°42	4°53	21°31	11°47	10°26	9°58	4°18	F 6
S 7	9 9 17	18°19'21	16°37	6°24	7°12	26°13	3° 0	1° 6	26°45	4°55	21°29	11°43	10°23	10° 5	4°19	S 7
S 8	9 13 13	19°20'09	0 M 22	7°33	8°27	26°54	3° 8	1° 7	26°48	4°58	21°28	11°39	10°20	10°12	4°21	S 8
M 9	9 17 10	20°20'57	13°38	8°35	9°42	27°35	3°17	1° 7	26°51	5° 0	21°27	11°38	10°17	10°18	4°22	M 9
T 10	9 21 6	21°21'45	26°29	9°30	10°56	28°17	3°25	1° 8	26°54	5° 2	21°26	11°D37	10°14	10°25	4°24	T 10
W11	9 25 3	22°22'31	8 ₹ 758	10°16	12°11	28°58	3°34	1°10	26°56	5° 4	21°25	11°39	10°11	10°32	4°26	W11
T 12	9 29 0	23°23'16	21° 9	10°54	13°26	29°39	3°43	1°11	26°59	5° 7	21°24	11°40	10° 7	10°38	4°27	T 12
F 13	9 32 56	24°24'00	3 궁 9	11°22	14°41	0 궁 21	3°52	1°12	27° 2	5° 9	21°23	11°42	10° 4	10°45	4°29	F 13
S 14	9 36 53	25°24'44	15° 0	11°40	15°55	1° 2	4° 1	1°13	27° 5	5°11	21°22	11°R42	10° 1	10°52	4°31	S 14
S 15	9 40 49	26°25'26	26°48	11°R47	17°10	1°44	4°10	1°15	27° 9	5°13	21°21	11°40	9°58	10°58	4°33	S 15
M16	9 44 46	27°26'06	8 ≈ 35	11°44	18°25	2°25	4°19	1°17	27°12	5°16	21°20	11°37	9°55	11° 5	4°34	M16
T 17	9 48 42	28°26'46	20°24	11°30	19°39	3° 7	4°29	1°18	27°15	5°18	21°19	11°31	9°51	11°11	4°36	T 17
W18	9 52 39	29°27'24	2) 17	11° 6	20°54	3°48	4°38	1°20	27°18	5°20	21°18	11°23	9°48	11°18	4°38	W18
T 19	9 56 35	0 ¥ 28′00	14°16	10°32	22° 9	4°30	4°48	1°22	27°21	5°22	21°17	11°14	9°45	11°25	4°40	T 19
F 20	10 0 32	1°28'35	26°22	9°50	23°23	5°12	4°58	1°24	27°24	5°25	21°16	11° 3	9°42	11°31	4°43	F 20
S 21	10 4 29	2°29'08	8 Ƴ 36	8°59	24°38	5°53	5° 8	1°27	27°27	5°27	21°15	10°54	9°39	11°38	4°45	S 21
S 22	10 8 25	3°29'40	21° 0	8° 2	25°52	6°35	5°18	1°29	27°30	5°29	21°14	10°45	9°36	11°45	4°47	S 22
M23	10 12 22	4°30'10	3 8 36	7° 1	27° 7	7°16	5°28	1°31	27°34	5°32	21°13	10°38	9°32	11°51	4°49	M23
T 24	10 16 18	5°30'38	16°26	5°56	28°21	7°58	5°39	1°34	27°37	5°34	21°12	10°34	9°29	11°58	4°51	T 24
W25	10 20 15	6°31'04	29°32	4°49	29°35	8°40	5°49	1°36	27°40	5°36	21°12	10°32	9°26	12° 5	4°54	W25
T 26	10 24 11	7°31'29	12 Ⅱ 58	3°43	0 Υ 50	9°21	5°59	1°39	27°43	5°38	21°11	10°D32	9°23	12°11	4°56	T 26
F 27	10 28 8	8°31'52	26°46	2°39	2° 4	10° 3	6°10	1°42	27°47	5°41	21°10	10°33	9°20	12°18	4°58	F 27
S 28	10 32 4	9 ∺ 32'12	10957	1 ∺ 37	3 Υ18	10 る 45	6 8 21	1 Ⅱ 45	27 米 50	5) (43	2195 9	10°R33	9 궁 17	12≈25	5 8 1	S 28

Day	0	D		ζ	5	ς	?	o	7	2	ł	Ť	ì)វូ	(4		Е)	v	v	Ç	Į	5
	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17 s 7	21n54	0 s27	13 s10	1 s 2	13 s 0	1 s32	23 s14	0s 3	11n13	1 s 5	18n28	1 s56	2 s 4	0s44	10 s22	$0 \mathrm{s} 38$	21n29	0s12	22 s52	22 s59	15 s29	12n12	0 s45
M 2	16 50	17 55	1 48	12 28	0 52	12 33	1 32	23 17	0 4	11 16	1 5	18 28	1 55	2 3	0 44	10 21	0 38	21 30				15 27	12 12	0 45
T 3	16 32	12 44	3 1	11 46	0 42	12 6	1 32	23 20	0 5	11 18	1 5	18 28	1 55	2 2	0 44	10 20	0 38	21 30		22 52		15 24	12 13	0 45
W 4	16 14	6 46	4 2	11 4		11 39		23 23		11 21	1 5		1 55	2 1	0 44	10 19		21 30		22 53		15 22	-	0 45
T 5	15 56			10 22		11 11		23 25		11 24	1 4		1 55	2 0		10 19		21 30		22 53		15 19	-	0 45
F 6	15 38		5 8	9 41	0 5	10 44		23 27		11 27	1 4		1 54	1 59		10 18		21 31		22 54		15 17		0 45
S 7	15 19	11 18	5 11	9 1	0n 9	10 15	1 30	23 29	0 8	11 30	1 4	18 30	1 54	1 57	0 44	10 17	0 38	21 31	0 11	22 54	23 1	15 14	12 14	0 45
S 8	15 1	16 12	4 55	8 22	0 24	9 47	1 30	23 31	0 9	11 33	1 4	18 30	1 54	1 56	0 44	10 16	0 38	21 31	0 11	22 54	23 1	15 12	12 15	0 45
M 9	14 41	20 7	4 25	7 45	0 39	9 18	1 29	23 33	0 9	11 36	1 3	18 31	1 53	1 55	0 43	10 15	0 38	21 31	0 11	22 55	23 1	15 9	12 15	0 45
T 10	14 22	22 56	3 41	7 10	0 54	8 49	1 28	23 34	0 10	11 39	1 3	18 31	1 53	1 54	0 43	10 15	0 38	21 32	0 11	22 55	23 1	15 7	12 16	0 45
W11	14 2	24 33	2 49	6 37	1 10	8 20	1 28	23 36	0 11	11 42	1 3	18 32	1 53	1 53	0 43	10 14	0 38	21 32	0 11	22 54	23 2	15 4	12 16	0 45
T 12	13 43	24 56	1 49	6 8	1 27	7 51	1 27	23 37	0 12	11 46	1 3	18 32	1 53	1 52	0 43	10 13	0 38	21 32	0 11	22 54	23 2	15 2	12 17	0 45
F 13	13 23	24 9	0 46	5 42	1 43	7 21	1 26	23 38	0 13	11 49	1 2		1 52	1 50	0 43	10 12		21 32		22 54		14 59	12 17	0 46
S 14	13 2	22 17	0n18	5 20	1 59	6 51	1 25	23 38	0 13	11 52	1 2	18 33	1 52	1 49	0 43	10 11	0 38	21 32	0 11	22 54	23 2	14 57	12 18	0 46
S 15	12 42	19 27	1 21	5 3	2 15	6 21	1 24	23 39	0 14	11 55	1 2	18 34	1 52	1 48	0 43	10 10	0 38	21 33	0 11	22 54	23 3	14 54	12 18	0 46
M16	12 21	15 50	2 20	4 50	2 31	5 51	1 23	23 39	0 15	11 59	1 2	18 35	1 52	1 47	0 43	10 10	0 38	21 33	0 11	22 55	23 3	14 52	12 19	0 46
T 17	12 0	11 37	3 14	4 41	2 45	-		23 39	0 16		1 1	18 35	-	1 45	0 43	10 9		21 33		22 55		-		0 46
W18	11 39	6 56	3 59	4 38	2 59	4 50	1 21	23 39	0 17	12 6	1 1	18 36	1 51	1 44	0 43	10 8	0 38	21 33	0 11	22 56	23 3	14 47	12 20	0 46
T 19	11 18	1 59	4 33	4 40	3 11	4 20		23 38	0 18	-		18 37	1 51	1 43	0 43	10 7		21 34		22 57	-	14 44	12 21	0 46
F 20	10 56	3n 5	4 56	4 46	-	3 49		23 38		12 13		18 37	1 50	1 42	0 43	10 6		21 34		22 57				0 46
S 21	10 35	8 5	5 6	4 57	3 30	3 18	1 16	23 37	0 20	12 16	1 1	18 38	1 50	1 40	0 43	10 5	0 38	21 34	0 11	22 58	23 4	14 39	12 22	0 46
S 22	10 13	12 50	5 1	5 12	3 37	2 47	1 15	23 36	0 20	12 20	1 0	18 39	1 50	1 39	0 43	10 5	0 38	21 34	0 10	22 59	23 4	14 37	12 23	0 46
M23	9 51	17 7	4 42	5 30	3 41	2 16	1 13	23 34	0 21	12 23	1 0	18 39	1 50	1 38	0 43	10 4	0 38	21 34	0 10	22 59	23 4	14 34	12 24	0 46
T 24	9 29	20 42	4 9	5 52	3 43	1 45	1 12	23 33	0 22	12 27	1 0	18 40	1 49	1 36	0 43	10 3	0 38	21 35	0 10	23 0	23 5	14 32	12 24	0 46
W25	9 7		3 22	6 17	3 43			23 31		12 31	1 0		1 49	1 35	0 43	10 2		21 35	0 10		23 5	14 29	12 25	0 46
T 26	-		2 22	6 43	3 40			23 29		12 34		-	1 49	1 34	0 43			21 35	0 10		23 5			0 46
F 27	-		1 13	7 10		-		23 27		12 38		18 43	-	1 33	0 43			21 35	0 10		23 5			0 46
S 28	7 s59	22n56	0s 2	7 s38	3n29	0n19	1s 5	23 s25	0 s 2 6	12n42	0 s59	18n43	1 s48	1 s31	0 s43	10s 0	0 s38	21n35	0s10	23 s 0	23 s 6	14s21	12n27	0 s46

Julian Day Number = 2516589.5, Delta T = 143.08 sec Ecliptic obliquity = $23^{\circ}25'00$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}13'44$, Lahiri = $26^{\circ}20'44$

MARCH 2178 00:00 UT

HAIN	,,, LT/	,													00.0	0 0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(1 4	В	r	v	Ç	ķ	Day
S 1	10 36 1	10) 32'31	25930	0°R40	4 Υ 33	11 궁 26	6 8 32	1 Ⅱ 48	27) 53	5) (45	21°R 8	10°R33	9 ට 13	12≈31	5 8 3	S 1
M 2	10 39 58	11°32'47	10 Ω 22	29≈49	5°47	12° 8	6°43	1°51	27°57	5°47	2195 8	10 궁 29	9°10	12°38	5° 6	M 2
T 3	10 43 54	12°33'02	25°27	29° 4	7° 1	12°50	6°54	1°54	28° 0	5°50	21° 7	10°24	9° 7	12°45	5° 9	T 3
W 4	10 47 51	13°33'15	10 m /36	28°25	8°15	13°32	7° 5	1°58	28° 3	5°52	21° 6	10°15	9° 4	12°52	5°11	W 4
T 5	10 51 47	14°33'26	25°38	27°53	9°29	14°13	7°16	2° 1	28° 7	5°54	21° 5	10° 6	9° 1	12°58	5°14	T 5
F 6	10 55 44	15°33'35	10 ≏ 24	27°28	10°43	14°55	7°27	2° 5	28°10	5°57	21° 5	9°55	8°57	13° 5	5°17	F 6
S 7	10 59 40	16°33'43	24°47	27°10	11°57	15°37	7°39	2° 8	28°13	5°59	21° 4	9°46	8°54	13°12	5°19	S 7
S 8	11 3 37	17°33'49	8 M .41	26°59	13°11	16°19	7°50	2°12	28°17	6° 1	21° 3	9°38	8°51	13°18	5°22	S 8
M 9	11 7 33	18°33'54	22° 5	26°D55	14°25	17° 1	8° 2	2°16	28°20	6° 3	21° 3	9°33	8°48	13°25	5°25	M 9
T 10	11 11 30	19°33'57	5 ₹ 2	26°57	15°39	17°43	8°14	2°20	28°23	6° 5	21° 2	9°30	8°45	13°32	5°28	T 10
W11	11 15 27	20°33'58	17°34	27° 5	16°52	18°24	8°25	2°24	28°27	6° 8	21° 2	9°D29	8°42	13°38	5°31	W11
T 12	11 19 23	21°33'58	29°47	27°19	18° 6	19° 6	8°37	2°28	28°30	6°10	21° 1	9°29	8°38	13°45	5°34	T 12
F 13	11 23 20	22°33'56	11 る 46	27°39	19°20	19°48	8°49	2°32	28°34	6°12	21° 1	9°R29	8°35	13°52	5°37	F 13
S 14	11 27 16	23°33'53	23°36	28° 4	20°34	20°30	9° 1	2°36	28°37	6°14	21° 0	9°28	8°32	13°58	5°40	S 14
S 15	11 31 13	24°33'48	5≈23	28°33	21°47	21°12	9°13	2°40	28°41	6°17	21° 0	9°25	8°29	14° 5	5°43	S 15
M16	11 35 9	25°33'41	17°11	29° 7	23° 1	21°54	9°26	2°45	28°44	6°19	20°59	9°19	8°26	14°12	5°46	M16
T 17	11 39 6	26°33'32	29° 3	29°45	24°14	22°36	9°38	2°49	28°47	6°21	20°59	9°11	8°22	14°18	5°49	T 17
W18	11 43 2	27°33'22	11 米 2	0 ∺ 28	25°28	23°18	9°50	2°54	28°51	6°23	20°58	9° 0	8°19	14°25	5°52	W18
T 19	11 46 59	28°33'10	23°11	1°14	26°41	24° 0	10° 3	2°59	28°54	6°25	20°58	8°47	8°16	14°32	5°55	T 19
F 20	11 50 56	29°32'55	5 Υ 29	2° 3	27°55	24°42	10°15	3° 3	28°58	6°27	20°58	8°33	8°13	14°38	5°58	F 20
S 21	11 54 52	0 Υ 32'39	17°58	2°56	29° 8	25°24	10°28	3° 8	29° 1	6°29	20°57	8°19	8°10	14°45	6° 2	S 21
S 22	11 58 49	1°32'21	0 8 38	3°51	0821	26° 6	10°40	3°13	29° 5	6°32	20°57	8° 6	8° 7	14°52	6° 5	S 22
M23	12 2 45	2°32'00	13°29	4°50	1°34	26°48	10°53	3°18	29° 8	6°34	20°57	7°57	8° 3	14°58	6° 8	M23
T 24	12 6 42	3°31'38	26°31	5°51	2°48	27°30	11° 6	3°23	29°11	6°36	20°56	7°50	8° 0	15° 5	6°12	T 24
W25	12 10 38	4°31'13	9∏46	6°55	4° 1	28°12	11°19	3°29	29°15	6°38	20°56	7°46	7°57	15°12	6°15	W25
T 26	12 14 35	5°30'46	23°14	8° 1	5°14	28°54	11°32	3°34	29°18	6°40	20°56	7°44	7°54	15°18	6°18	T 26
F 27	12 18 31	6°30'17	6957	9°10	6°27	29°36	11°45	3°39	29°22	6°42	20°56	7°44	7°51	15°25	6°22	F 27
S 28	12 22 28	7°29'45	20°57	10°21	7°40	0≈19	11°58	3°45	29°25	6°44	20°56	7°44	7°48	15°32	6°25	S 28
S 29	12 26 25	8°29'11	5 Ω 12	11°33	8°53	1° 1	12°11	3°50	29°28	6°46	20°55	7°42	7°44	15°38	6°29	S 29
M30	12 30 21	9°28'35	19°43	12°48	10° 5	1°43	12°24	3°56	29°32	6°48	20°55	7°39	<u>7°41</u>	15°45	6°32	M30
T 31	12 34 18	10 ℃ 27'56	4 Mp 25	14) 5	11818	2≈25	12837	4 Ⅱ 1	29) (35	6 ∺ 50	20955	7 云 32	7 云 38	15≈52	6 8 36	T 31

	D	ğ	φ	♂	2	+	ħ	l)լ	ļ(Ħ		Р		r	Ω	Ç	ď	j
decl	decl lat	decl lat	decl lat dec	lat	decl	lat	decl	lat	decl	lat	decl lat	t	decl	lat	decl	decl	decl	decl	lat
7 s36					-			1 s48	1 s30									-	0 s46
-	-																		0 46
								-											0 46
																		-	0 46
					-				-									-	0 46
_																	-		0 46
5 18	14 8 4 53	10 2/ 2 8	3 3 3 0 30 23	0 33	13 8	0 58	18 50	1 4/	1 22	0 43	9 54 (38	21 3/	0 10	23 3	23 /	14 3	12 33	0 46
4 55	18 34 4 26	10 44 1 54	4 28 0 48 22 5	0 34	13 12	0 57	18 51	1 46	1 21	0 43	9 53 (38	21 37	0 10	23 4	23 7	14 1	12 34	0 46
4 31	21 53 3 44	10 58 1 39	9 4 59 0 46 22 5	0 35	13 16	0 57	18 52	1 46	1 19	0 43	9 52 0	38	21 37	0 9	23 4	23 7	13 58	12 35	0 46
4 8	23 57 2 52	11 11 1 25	5 5 29 0 43 22 5	0 36	13 20	0 57	18 53	1 46	1 18	0 43	9 51 0	38	21 37	0 9	23 5	23 8	13 56	12 36	0 47
3 44	24 44 1 54				-	0 57	18 54	1 46	1 16	0 43			21 37						0 47
-								1 45	1 15					0 9					0 47
								1 45	1 14	0 43				0 9					0 47
2 33	20 8 1 14	11 39 0 31	7 31 0 33 22 3	0 40	13 36	0 56	18 57	1 45	1 12	0 43	9 48 0	38	21 38	0 9	23 5	23 9	13 45	12 40	0 47
2 9	16 45 2 13	11 41 0 19	8 1 0 31 22 2	0 41	13 40	0 56	18 58	1 45	1 11	0 43	9 47 (38	21 38	0 9	23 5	23 9	13 43	12 41	0 47
1 46	12 43 3 6	11 40 0 6	8 30 0 28 22 1	0 42	13 44	0 56	18 59	1 44	1 10	0 43	9 47 (38	21 38	0 9	23 5	23 9	13 40	12 42	0 47
1 22	8 11 3 51	11 38 0s 6	5 9 0 0 25 22 1	0 43	13 48	0 56	19 0	1 44	1 8	0 43	9 46 0	38	21 38	0 9	23 6	23 9	13 38	12 43	0 47
0 58	3 19 4 26	11 34 0 17	7 9 29 0 23 22	0 44	13 52	0 56	19 1	1 44	1 7	0 43	9 45 0	38	21 38	0 9	23 7	23 9	13 35	12 44	0 47
0 35	1n43 4 49	11 28 0 28	9 58 0 20 22	0 45	13 56	0 56	19 2	1 44	1 6	0 43	9 44 (38	21 38	0 9	23 8	23 10	13 32	12 45	0 47
0 11	6 46 5 0	11 20 0 39			14 0	0 55	19 3	1 43	1 4	0 43	9 44 (38	21 38	0 9	23 9	23 10	13 30	12 46	0 47
0n13	11 36 4 56	11 11 0 49	0 10 56 0 14 21 4	9 0 47	14 4	0 55	19 5	1 43	1 3	0 43	9 43 0	38	21 39	0 9	23 9	23 10	13 27	12 47	0 47
0 37	16 1 4 38	10 59 0 58	3 11 25 0 11 21 4	0 48	14 8	0 55	19 6	1 43	1 1	0 43	9 42 0	38	21 39	0 9	23 10	23 10	13 25	12 48	0 47
1 0	19 46 4 5	10 47 1 8	3 11 53 0 8 21 3	0 49	14 12	0 55	19 7	1 43	1 0	0 43	9 41 0	38	21 39	0 9	23 11	23 10	13 22	12 49	0 47
1 24	22 35 3 19	10 32 1 16	5 12 21 0 5 21 2	8 0 50	14 17	0 55	19 8	1 43	0 59	0 43	9 40 0	38	21 39	0 8	23 11	23 11	13 19	12 50	0 47
1 48	24 14 2 22	10 16 1 24	1 12 48 0 3 21 2	0 51	14 21	0 55	19 9	1 42	0 57	0 43	9 40 0	38	21 39	0 8	23 11	23 11	13 17	12 51	0 47
2 11	24 30 1 16	9 59 1 32	2 13 16 On 0 21 1	0 52	14 25	0 54	19 11	1 42	0 56	0 43	9 39 (38	21 39	0 8	23 11	23 11	13 14	12 52	0 47
2 35	23 18 0 4	9 40 1 39	9 13 43 0 3 21	0 54	14 29	0 54	19 12	1 42	0 55	0 43	9 38 0	38	21 39	0 8	23 11	23 11	13 12	12 53	0 47
2 58	20 39 1s 9	9 19 1 46	5 14 9 0 6 20 5	0 55	14 33	0 54	19 13	1 42	0 53	0 43	9 38 0	38	21 39	0 8	23 11	23 11	13 9	12 54	0 47
3 22	16 41 2 20	8 57 1 52	2 14 36 0 9 20 4	0 56	14 37	0 54	19 14	1 41	0.52	0 43	9 37 (38	21 39	0 8	23 12	23 11	13 6	12 55	0 47
_	-						-	1 41	0 51	0 43									0 48
4n 8								1 s41	0 s49										0 s48
	7 s 3 6 7 1 4 6 5 1 8 6 4 5 4 1 5 1 8 4 5 5 4 3 1 4 8 3 4 4 4 3 2 0 2 5 7 2 3 3 3 2 9 1 4 6 6 1 2 2 5 0 5 8 6 0 1 1 0 1 3 0 3 7 1 0 1 2 4 1 4 8 2 1 1 2 3 5 5 2 5 8 3 2 2 3 4 5	7 s 3 6 19 n 4 3 1 s 19 7 14 15 11 2 32 2 2 16 41 2 2 20 3 3 15 1 9 18 9 18 9 18 9 18 9 18 9 18 9 18	7 s 3 6 19 n 4 3 1 s 19 8 s 6 3 n 2 0 7 1 4 15 11 2 32 8 33 3 1 1 6 51 9 38 3 3 6 8 5 9 3 6 6 28 3 31 4 24 9 24 2 4 6 4 2 s 4 6 4 5 4 9 4 7 2 3 5 5 18 14 8 46 5 3 10 8 2 2 1 5 18 14 8 4 5 3 10 2 7 2 8 4 5 5 18 3 4 4 26 10 44 1 5 4 4 31 21 5 3 3 4 4 10 5 8 1 3 5 4 8 23 5 7 2 5 2 11 11 1 1 2 5 3 4 4 24 4 4 1 5 4 11 21 1 1 1 2 5 3 2 0 2 4 16 0 51 11 2 9 0 5 6 2 5 7 2 2 4 2 0 n 12 11 3 5 0 4 4 2 2 3 5 3 2 0 8 1 1 4 11 3 9 0 3 1 2 2 9 1 6 4 5 2 13 11 4 1 0 1 5 1 1 2 9 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 s 3 6 19 n 4 3 1 s 19 8 s 6 3 n 2 0 0 n 5 0 1 s 3 2 3 s 2 7 1 4 15 11 2 3 2 8 3 3 3 11 1 22 1 1 2 3 2 6 6 5 1 9 3 8 3 3 6 8 5 9 3 0 1 5 3 0 5 9 23 1 6 2 8 3 3 1 4 2 4 9 2 4 2 4 7 2 2 4 0 5 7 2 3 1 5 6 4 2 s 4 6 4 5 4 9 4 7 2 3 5 2 5 5 0 5 5 2 3 1 6 4 2 s 4 6 4 5 4 9 4 7 2 3 5 2 5 5 0 5 5 2 3 1 6 5 1 8 1 4 8 4 6 5 3 10 8 2 2 1 3 2 6 0 5 3 2 3 6 5 1 8 1 4 8 4 6 5 3 10 8 2 2 1 3 2 6 0 5 3 2 3 6 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 1 8 1 4 8 4 5 3 10 2 7 2 8 3 5 7 0 5 0 2 3 2 5 1 8 1 4 1 5 4 1 1 2 1 1 1 2 5 5 2 9 0 4 3 2 2 5 6 4 8 2 3 5 7 2 5 2 11 11 1 1 2 5 5 2 9 0 4 3 2 2 5 6 4 8 2 3 5 7 2 5 2 11 11 1 1 2 5 5 2 9 0 4 3 2 2 5 6 1 3 3 2 0 8 1 1 4 11 3 9 0 3 1 7 3 1 0 3 3 2 2 3 6 2 3 3 2 0 8 1 1 4 11 3 9 0 3 1 7 3 1 0 3 3 2 2 3 6 2 3 3 2 0 8 1 1 4 11 3 9 0 3 1 7 3 1 0 3 3 2 2 3 6 2 3 1 1 4 1 0 1 9 8 1 0 3 1 2 2 2 1 1 1 1 1 2 6 6 0 1 1 6 4 6 1 2 4 3 3 6 11 4 0 0 6 8 3 0 0 2 8 2 2 1 1 1 1 2 2 8 1 1 3 5 1 11 3 8 0 8 6 9 0 0 2 5 2 2 1 4 1 1 1 3 6 4 5 6 11 1 1 0 4 9 10 5 6 0 1 4 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 s36 19n43 1s19 8s 6 3n20 0n50 1s 3 23 s22 0s27 714 15 11 2 32 8 33 3 11 1 22 1 1 23 20 0 28 6 28 3 31 4 24 9 24 2 47 2 24 0 57 23 13 0 30 6 4 2 s46 4 54 9 47 2 35 2 55 0 55 23 10 0 31 5 41 8 46 5 3 10 8 2 21 3 26 0 53 23 6 0 32 5 18 14 8 4 53 10 27 2 8 3 57 0 50 23 3 0 33 4 24 9 47 2 35 2 55 0 55 23 10 0 31 5 18 14 8 4 53 10 27 2 8 3 57 0 50 23 3 0 33 4 10 58 1 39 4 59 0 46 22 54 0 35 4 13 21 53 3 44 10 58 1 39 4 59 0 46 22 54 0 35 4 24 44 1 54 11 21 1 12 6 0 0 41 22 45 0 37 3 20 24 16 0 51 11 29 0 58 6 30 0 38 22 41 0 38 2 33 20 8 1 14 11 39 0 31 7 31 0 33 22 30 0 40 22 8 11 35 11 35 36 49 11 35 36 49 11 35 36 49 11 35 36 37 37 38 38 38 38 38 38	7 8 3 6 19n 43 1 8 19 8 8 6 3n 20 0n 50 1 8 3 23 8 22 0 8 27 12n 45 7 14 15 11 2 32 8 33 3 11 1 22 1 1 23 20 0 28 12 49 6 51 9 38 3 36 8 59 3 0 1 53 0 59 23 17 0 29 12 53 6 28 3 31 4 24 9 24 2 47 2 24 0 57 23 13 0 30 12 57 6 4 2 346 4 54 9 47 2 35 2 55 0 55 23 10 0 31 13 1 5 41 8 46 5 3 10 8 2 21 3 26 0 53 23 6 0 32 13 4 5 18 14 8 4 53 10 27 2 8 3 57 0 50 23 3 0 33 13 8 4 55 18 34 4 26 10 44 1 54 4 28 0 48 2	7 s36 19n43 1 s19 8 s 6 3n20 0n50 1 s 3 23 s22 0s27 12n45 0s59 7 14 15 11 2 32 8 33 3 11 1 22 1 1 23 20 0 28 12 49 0 59 6 51 9 38 3 36 8 59 3 0 1 53 0 59 23 17 0 29 12 53 0 58 6 28 3 31 4 24 9 24 2 47 2 24 0 57 23 13 0 30 12 57 0 58 6 4 2 \$46 4 54 9 47 2 35 2 55 0 55 23 10 0 31 13 1 0 58 5 41 8 46 5 3 10 8 2 21 3 26 0 53 23 3 0 33 13 8 0 58 4 55 18 34 4 26 10 44 1 54 4 28 0 48 22 59 0 34 13 12 0 57 4 31 21 53 3 44 10 58 1 39 4 59 0 46 22 54	7 8 3 6 19n 43 1 8 19 8 8 6 3n 20 0n 50 1 8 3 23 8 22 0 8 27 12n 45 0 8 59 18n 44 6 5 1 9 38 3 36 8 59 3 0 1 53 0 59 23 17 0 29 12 53 0 58 18 46 6 28 3 31 4 24 9 24 2 47 2 24 0 57 23 13 0 30 12 57 0 58 18 46 6 4 2 8 46 4 54 9 47 2 35 2 55 0 55 23 10 0 31 13 1 0 58 18 48 5 41 8 46 5 3 10 8 2 21 3 26 0 53 23 6 0 32 13 4 0 58 18 49 5 18 14 8 453 10 27 2 8 3 57 0 50 23 3 0 33 13 12 0 57 18 54 4 55 18 34 4 26 10 44 1 54 4 28 0 48 22 59 0 34 13 12 0 57 18 52 4 8 23 57 2 52	7 836 19n43	7 36 19n43	7 336	7 36	7.36	7.36	7.36 9nd3 1s19 8s 6 3n20 0n50 1s 3 23s22 0s27 12nd5 0s59 18nd4 1s48 1s30 0s43 9s59 0s38 21n36 0s10 0s10 0s11 0s11	7. 36 19n43 1819 88 6 3n20 0n50 18 3 23822 0827 12n45 0859 18n44 1848 1830 0843 9859 0838 21n36 0810 238 0 0810 23	736 9n-43	7. 36 19-43 18-19 88 6 3n20 0n50 18 3 23 822 0s27 12-45 0s59 18-44 1s48 1s30 0s43 9s59 0s38 21 36 0s10 23 8 0 23 8 0 23 6 14 19 25 9 25	7. 36 19.43 15.19 8.8 6 3.720 0.50 1.8 3 23.52 0.527 12.745 0.559 18.744 1.548 1.530 0.543 9.559 0.538 21.736 0.510 23.50 23.60 14.19 12.728 0.559 0.551 23.50

Julian Day Number = 2516617.5, Delta T = 143.14 sec Ecliptic obliquity = 23°25'00, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}13'48$, Lahiri = $26^{\circ}20'48$

APRIL 2178 00:00 UT

		-													••••	
Day	Sid.t	0	D	ğ	ρ	ð	4	ħ)∤(并	В	រា	v	Ç	ķ	Day
W 1	12 38 14	11 Y 27'15	19 m)11	15) 24	12831	3≈ 7	12850	4 I 7	29) (39	6 ¥ 52	20°R55	7°R23	7 云 35	15≈58	6 8 39	W 1
T 2	12 42 11	12°26'32	3₾56	16°44	13°44	3°49	13° 3	4°13	29°42	6°54	20955	7 ਰ 11	7°32	16° 5	6°43	T 2
F 3	12 46 7	13°25'47	18°29	18° 6	14°56	4°31	13°17	4°18	29°45	6°56	20°55	7° 0	7°28	16°12	6°46	F 3
S 4	12 50 4	14°25'00	2 M .44	19°30	16° 9	5°13	13°30	4°24	29°49	6°58	20°D55	6°48	7°25	16°18	6°50	S 4
S 5	12 54 0	15°24'11	16°35	20°55	17°21	5°55	13°44	4°30	29°52	7° 0	20°55	6°39	7°22	16°25	6°53	S 5
M 6	12 57 57	16°23'20	0 √ 1	22°23	18°33	6°38	13°57	4°36	29°55	7° 2	20°55	6°32	7°19	16°32	6°57	M 6
T 7	13 1 53	17°22'27	13° 0	23°51	19°46	7°20	14°11	4°42	29°59	7° 3	20°55	6°28	7°16	16°38	7° 1	T 7
W 8	13 5 50	18°21'33	25°36	25°22	20°58	8° 2	14°24	4°49	0 Υ 2	7° 5	20°55	6°26	7°13	16°45	7° 4	W 8
T 9	13 9 47	19°20'36	7 云 52	26°54	22°10	8°44	14°38	4°55	0° 5	7° 7	20°55	6°D25	7° 9	16°52	7° 8	T 9
F 10	13 13 43	20°19'39	19°54	28°27	23°22	9°26	14°51	5° 1	0° 9	7° 9	20°56	6°R26	7° 6	16°58	7°12	F 10
S 11	13 17 40	21°18'39	1≈46	oΥ 2	24°34	10° 8	15° 5	5° 7	0°12	7°11	20°56	6°25	7° 3	17° 5	7°15	S 11
S 12	13 21 36	22°17'37	13°35	1°39	25°46	10°51	15°19	5°14	0°15	7°12	20°56	6°23	7° 0	17°12	7°19	S 12
M13	13 25 33	23°16'34	25°25	3°17	26°58	11°33	15°32	5°20	0°18	7°14	20°56	6°19	6°57	17°18	7°23	M13
T 14	13 29 29	24°15'29	7 ∺ 21	4°56	28°10	12°15	15°46	5°27	0°22	7°16	20°56	6°12	6°54	17°25	7°27	T 14
W15	13 33 26	25°14'22	19°26	6°37	29°22	12°57	16° 0	5°33	0°25	7°17	20°57	6° 2	6°50	17°32	7°30	W15
T 16	13 37 22	26°13'13	1 Υ 44	8°20	0 Ⅲ 33	13°39	16°14	5°40	0°28	7°19	20°57	5°51	6°47	17°38	7°34	T 16
F 17	13 41 19	27°12'03	14°15	10° 4	1°45	14°21	16°28	5°46	0°31	7°21	20°57	5°39	6°44	17°45	7°38	F 17
S 18	13 45 16	28°10'50	27° 1	11°50	2°56	15° 3	16°42	5°53	0°34	7°22	20°58	5°27	6°41	17°52	7°42	S 18
S 19	13 49 12	29° 9'36	108 0	13°37	4° 8	15°46	16°56	6° 0	0°37	7°24	20°58	5°16	6°38	17°58	7°45	S 19
M20	13 53 9	0 8 8'19	23°12	15°26	5°19	16°28	17°10	6° 7	0°40	7°26	20°58	5° 7	6°34	18° 5	7°49	M20
T 21	13 57 5	1° 7'01	6 II 36	17°17	6°30	17°10	17°24	6°13	0°44	7°27	20°59	5° 1	6°31	18°12	7°53	T 21
W22	14 1 2	2° 5'40	20° 9	19° 9	7°42	17°52	17°38	6°20	0°47	7°29	20°59	4°58	6°28	18°19	7°57	W22
T 23	14 4 58	3° 4'18	3952	21° 3	8°53	18°34	17°52	6°27	0°50	7°30	21° 0	4°D57	6°25	18°25	8° 1	T 23
F 24	14 8 55	4° 2'53	17°44	22°58	10° 4	19°16	18° 6	6°34	0°53	7°32	21° 0	4°58	6°22	18°32	8° 5	F 24
S 25	14 12 51	5° 1'26	1 Ω 44	24°55	11°15	19°58	18°20	6°41	0°56	7°33	21° 1	4°R58	6°19	18°39	8° 8	S 25
S 26	14 16 48	5°59'57	15°52	26°53	12°26	20°40	18°34	6°48	0°59	7°34	21° 1	4°58	6°15	18°45	8°12	S 26
M27	14 20 45	6°58'25	0 Mp 7	28°53	13°36	21°22	18°48	6°55	1° 1	7°36	21° 2	4°56	6°12	18°52	8°16	M27
T 28	14 24 41	7°56'52	14°27	0 8 55	14°47	22° 4	19° 2	7° 3	1° 4	7°37	21° 2	4°51	6° 9	18°59	8°20	T 28
W29	14 28 38	8°55'16	28°48	2°57	15°57	22°46	19°16	7°10	1° 7	7°38	21° 3	4°45	6° 6	19° 5	8°24	W29
T 30	14 32 34	9 8 53'38	13 ♀ 5	5 8 2	17 II 8	23≈28	19831	7 Ⅲ 17	1 Υ 10	7) €40	2199 3	4 云 37	6ට 3	19≈12	8 8 28	T 30

Day	0	D	}	Į į	φ	♂	2	ļ.	ŧ	l);	ł(¥		Е)	v	v	Ç	ď	
	decl	decl lat	decl	lat dec	lat de	cl lat	decl	lat	decl	lat	decl	lat	decl la	at	decl	lat	decl	decl	decl	decl	lat
W 1 T 2	4n32	0s 6 4s4					14n50	0 s54	19n18	1 s41	0 s48				21n40			23 s12			0 s48
T 2 F 3	4 55 5 18	6 9 5 11 46 4 5	0 7 16 34 6 47	2 12 16 17 2 16 16 42		15 1 (14 54	0 53 0 53		1 41 1 40	0 47 0 45	0 43 0 43			21 40 21 40			23 12 23 12			0 48 0 48
S 4		16 38 4 3				-	15 2		19 22	1 40	0 43				21 40		-	23 13			0 48
S 5	6 4	20 28 3 5	51 5 47	2 23 17 29	0 31 19	48 1 4	15 6	0 53	19 23	1 40	0 43	0 43	9 32	0 39	21 40	0 8	23 15	23 13	12 48	13 3	0 48
M 6	6 26	23 4 3	0 5 14	2 25 17 53	0 34 19	39 1 5	15 10	0 53	19 24	1 40	0 41	0 43	9 31	0 39	21 40	0 8	23 15	23 13	12 45	13 4	0 48
T 7	6 49	24 20 2	1 4 41	2 27 18 1:			5 15 14	0 53		1 40	0 40	0 43				0 8		23 13			0 48
W 8		24 18 0 5		2 28 18 3				0 53		1 39	0 39	0 43			21 40			23 13			0 48
T 9				2 29 18 59			15 23	0 52		1 39	0 37	0 43						23 13			0 48
F 10 S 11	7 56						15 27	0 52		1 39	0 36				-			23 14			0 48
	8 18	17 38 2 1	0 2 16	2 29 19 42	0 50 18	19 1 11	15 31	0 52	19 31	1 39	0 35	0 43	9 28	0 39	21 40	0 7	23 16	23 14	12 32	13 10	0 48
S 12	8 40	13 48 3	4 1 37				15 35	0 52		1 39	0 34	0 43	9 27	0 39	21 40			23 14			0 48
M13	9 2		9 0 57				15 39	0 52		1 39	0 32				-			23 14			0 48
T 14	9 24	4 42 4 2					15 43	0 52		1 38	0 31	0 43						23 14			0 48
W15	9 45	0n16 4 5					5 15 47	0 52		1 38	0 30							23 14			0 48
T 16	10 7	5 18 5	1 1 8	2 21 21 13			15 51	0 52		1 38	0 28	0 43			-			23 15			0 49
F 17	10 28	-					15 55	0 52		1 38	0 27	0 43			-			23 15			0 49
S 18	10 49	14 46 4 4	2 36	2 15 21 5	1 11 17	34 1 19	15 59	0 51	19 40	1 38	0 26	0 43	9 24	0 39	21 40	0 7	23 18	23 15	12 14	13 18	0 49
S 19	11 10	18 44 4	9 3 22	2 11 22 10	1 14 17	23 1 20	16 3	0 51	19 41	1 38	0 25	0 43	9 23	0 39	21 40	0 7	23 19	23 15	12 11	13 19	0 49
M20	11 31	21 50 3 2	23 4 8	2 6 22 2	1 17 17	11 1 22	2 16 7	0 51	19 42	1 37	0 24	0 43	9 23	0 39	21 40			23 15	-	13 20	0 49
T 21	11 51		25 4 55			0 1 23		0 51	19 44	1 37	0 22	0 43	9 22	0 39	21 40			23 15		13 21	0 49
W22			8 5 43			-		0 51	19 45	1 37	0 21	0 43			-			23 16		13 22	0 49
T 23			6 6 31	1 49 23 10				0 51		1 37	0 20							23 16		13 24	0 49
F 24	12 51							0 51		1 37	0 19							23 16			0 49
S 25	13 11	17 31 2 1	8 8 9	1 36 23 30	1 31 16	12 1 28	16 27	0 51	19 49	1 37	0 18	0 43	9 20	0 39	21 40	0 6	23 19	23 16	11 55	13 26	0 49
S 26	13 30	12 52 3 2	8 59	1 28 23 4	1 33 16	0 1 29	16 31	0 51	19 50	1 36	0 16	0 43	9 19	0 39	21 40	0 6	23 19	23 16	11 53	13 27	0 49
M27	13 50	7 30 4 1	1 9 49	1 20 24	1 36 15	48 1 30	16 35	0 51	19 52	1 36	0 15	0 43	9 19	0 39	21 40	0 6	23 19	23 16	11 50	13 28	0 49
T 28	14 9	1 42 4 4	6 10 40	1 12 24 1	1 39 15	35 1 32	16 39	0 50	19 53	1 36	0 14	0 43	9 19	0 39	21 40	0 6	23 20	23 16	11 47	13 29	0 49
W29	14 27		4 11 30	-		-	-	0 50		1 36	0 13				-			23 17	-		0 49
T 30	14n46	9s48 5s	2 12n21	0s54 24n3	1n44 15 s	10 1 s34	16n47	0 s 5 0	19n56	1 s36	0 s12	0 s43	9s18	0 s39	21n40	0s 6	23 s20	23 s17	11 s42	13n32	0 s 5 0

 $\label{eq:Julian Day Number = 2516648.5, Delta T = 143.21 sec} \\ Ecliptic obliquity = 23°25'00, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°13'52, Lahiri = 26°20'53$

MAY 2178 00:00 UT

	, _															• • •
Day	Sid.t	0	D	ğ	Ş	ď	4	ħ)f(,	В	u	u	Ç	ķ	Day
F 1	14 36 31	10851'58	27 ≙ 13	78 7	18 I I18	24≈10	19845	7 Ⅱ 24	1Υ13	7)(41	2199 4	4°R28	5 る 59	19≈19	8 8 31	F 1
S 2	14 40 27	11°50'17	11 m 7	9°14	19°29	24°52	19°59	7°31	1°16	7°42	21° 5	4 궁 19	5°56	19°25	8°35	S 2
S 3	14 44 24	12°48'33	24°42	11°22	20°39	25°34	20°13	7°39	1°19	7°44	21° 5	4°12	5°53	19°32	8°39	S 3
M 4	14 48 20	13°46'48	7 .₹ 57	13°30	21°49	26°16	20°27	7°46	1°21	7°45	21° 6	4° 7	5°50	19°39	8°43	M 4
T 5	14 52 17	14°45'02	20°51	15°39	22°59	26°58	20°42	7°53	1°24	7°46	21° 7	4° 4	5°47	19°45	8°47	T 5
W 6	14 56 14	15°43'13	3 る 25	17°49	24° 9	27°40	20°56	8° 1	1°27	7°47	21° 8	4°D 3	5°44	19°52	8°50	W 6
T 7	15 0 10	16°41'24	15°42	19°59	25°18	28°22	21°10	8° 8	1°29	7°48	21° 8	4° 4	5°40	19°59	8°54	T 7
F 8	15 4 7	17°39'33	27°45	22° 9	26°28	29° 4	21°24	8°16	1°32	7°49	21° 9	4° 5	5°37	20° 5	8°58	F 8
S 9	15 8 3	18°37'40	9≈40	24°18	27°37	29°46	21°39	8°23	1°35	7°50	21°10	4° 6	5°34	20°12	9° 2	S 9
S 10	15 12 0	19°35'46	21°30	26°27	28°47	0 ∺ 28	21°53	8°31	1°37	7°51	21°11	4°R 7	5°31	20°19	9° 6	S 10
M11	15 15 56	20°33'50	3 ∺ 22	28°35	29°56	1° 9	22° 7	8°38	1°40	7°52	21°12	4° 6	5°28	20°25	9° 9	M11
T 12	15 19 53	21°31'53	15°21	0 Ⅱ 41	199 5	1°51	22°21	8°46	1°42	7°53	21°13	4° 3	5°25	20°32	9°13	T 12
W13	15 23 49	22°29'55	27°30	2°46	2°14	2°33	22°36	8°53	1°45	7°54	21°14	3°59	5°21	20°39	9°17	W13
T 14	15 27 46	23°27'55	9 Ƴ 54	4°50	3°23	3°15	22°50	9° 1	1°47	7°55	21°14	3°53	5°18	20°46	9°21	T 14
F 15	15 31 43	24°25'54	22°34	6°51	4°32	3°56	23° 4	9° 9	1°49	7°56	21°15	3°46	5°15	20°52	9°24	F 15
S 16	15 35 39	25°23'52	5 8 33	8°50	5°41	4°38	23°18	9°16	1°52	7°57	21°16	3°39	5°12	20°59	9°28	S 16
S 17	15 39 36	26°21'48	18°49	10°47	6°49	5°19	23°33	9°24	1°54	7°57	21°17	3°34	5° 9	21° 6	9°32	S 17
M18	15 43 32	27°19'43	2 Ⅱ 23	12°41	7°58	6° 1	23°47	9°32	1°56	7°58	21°18	3°29	5° 5	21°12	9°36	M18
T 19	15 47 29	28°17'36	16°11	14°32	9° 6	6°42	24° 1	9°39	1°59	7°59	21°19	3°26	5° 2	21°19	9°39	T 19
W20	15 51 25	29°15'28	099 9	16°20	10°14	7°24	24°15	9°47	2° 1	8° 0	21°20	3°D25	4°59	21°26	9°43	W20
T 21	15 55 22	0∏13'18	14°16	18° 6	11°22	8° 5	24°30	9°55	2° 3	8° 0	21°21	3°25	4°56	21°32	9°47	T 21
F 22	15 59 18	1°11'07	28°28	19°48	12°30	8°47	24°44	10° 2	2° 5	8° 1	21°22	3°27	4°53	21°39	9°50	F 22
S 23	16 3 15	2° 8'54	12 Ω 41	21°27	13°38	9°28	24°58	10°10	2° 7	8° 2	21°24	3°28	4°50	21°46	9°54	S 23
S 24	16 7 12	3° 6'39	26°55	23° 3	14°46	10° 9	25°12	10°18	2° 9	8° 2	21°25	3°R29	4°46	21°52	9°58	S 24
M25	16 11 8	4° 4'22	11 Mp 6	24°36	15°53	10°50	25°26	10°26	2°11	8° 3	21°26	3°29	4°43	21°59	10° 1	M25
T 26	16 15 5	5° 2'04	25°12	26° 5	17° 0	11°32	25°41	10°33	2°13	8° 3	21°27	3°28	4°40	22° 6	10° 5	T 26
W27	16 19 1	5°59'44	9 ≏ 12	27°31	18° 7	12°13	25°55	10°41	2°15	8° 4	21°28	3°25	4°37	22°12	10° 8	W27
T 28	16 22 58	6°57'23	23° 3	28°54	19°14	12°54	26° 9	10°49	2°17	8° 4	21°29	3°22	4°34	22°19	10°12	T 28
F 29	16 26 54	7°55'01	6 M .44	0913	20°21	13°35	26°23	10°57	2°19	8° 5	21°30	3°18	4°31	22°26	10°15	F 29
S 30	16 30 51	8°52'37	20°11	1°28	21°28	14°16	26°37	11° 5	2°21	8° 5	21°32	3°14	4°27	22°33	10°19	S 30
S 31	16 34 47	9 ∏ 50'11	3 ₹ 23	29540	22934	14 米 56	26 8 51	11 I I12	2 Y 23	8 米 5	219933	3 ਰ 11	4 궁 24	22≈39	10822	S 31

Day	0	D		ζ	5	Ŷ		C	7	2	+	ħ	ı)į	(4	(Р)	V	v	Ç	ę,	
	decl	decl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl l	lat
F 1 S 2	15n 4 15 22		4 s42 4 5	13n11 14 1		24n40 24 48	-	14 s57 14 44		16n51 16 55	0 s 5 0 0 5 0		1 s36 1 36	0 s11 0 10	0 s43 0 43	9s17 9 17		21n40 21 40		23 s20 23 21				0 s50 0 50
S 3 M 4 T 5		23 51	2 16	14 51 15 39 16 28	0 24 0 14 0 3		1 53	14 31 14 18 14 5	1 38 1 39 1 41	16 59 17 3 17 6	0 50 0 50 0 50	20 1	1 35 1 35 1 35	0 9 0 8 0 6	0 43 0 43 0 43	9 16 9 16 9 15	0 39	- 1	0 6	23 21 23 21 23 21	23 17	11 31	13 36	0 50 0 50 0 50
W 6 T 7 F 8 S 9	16 32 16 49 17 5 17 21	21 28 18 33	1n 3 2 5	17 15 18 0 18 45 19 27	0 18 0 28	25 15 25 20 25 24 25 28	2 0 2 2	13 39 13 25	1 43 1 45	17 10 17 14 17 18 17 22	0 50 0 50 0 50 0 50	20 5 20 6	1 35 1 35 1 35 1 35	0 5 0 4 0 3 0 2	0 43 0 43 0 44 0 44	9 15 9 15 9 14 9 14	0 39 0 39	21 40 21 40 21 40 21 40	0 6 0 6	23 21 23 21 23 21 23 21	23 18 23 18	11 23 11 21	13 40 13 41	0 50 0 50 0 50 0 50
S 10 M11 T 12	17 52 18 8	6 7 4	4 53	20 47 21 24	0 49 0 59 1 9	25 33 25 34	2 6 2 8 2 10	12 45 12 31	1 49 1 50	17 25 17 29 17 33	0 49	20 10 20 11	1 35 1 35 1 34	0 1 0 0 0n 1	0 44 0 44 0 44	9 14 9 13 9 13	0 40 0 40	21 40 21 40 21 40	0 5 0 5	23 21 23 21 23 21	23 18 23 18	11 13 11 10	13 44 13 45	0 50 0 50 0 51
W13 T 14 F 15 S 16	18 23 18 37 18 52 19 6	8 38 3 13 18 4	5 8 4 53	21 58 22 30 22 59 23 26			2 13 2 15					-	1 34 1 34 1 34 1 34	0 2 0 2 0 3 0 4	0 44 0 44 0 44 0 44	9 13 9 12 9 12 9 12	0 40 0 40	21 39 21 39 21 39 21 39	0 5 0 5	23 21 23 22 23 22 23 22	23 19 23 19	11 5 11 2	13 46 13 48 13 49 13 50	0 51 0 51 0 51 0 51
S 17 M18 T 19 W20 T 21 F 22	19 33 19 46 19 58 20 11 20 23	23 15 2 24 14 2 23 43 0 21 41 0 18 17 2	2 41 1 33 0 18 0 s59 2 13	25 14		25 29 25 26 25 22 25 17 25 12	2 19 2 20 2 21 2 22 2 23	10 53 10 39 10 25 10 10	1 58 1 59 2 0 2 2 2 3	17 58 18 2 18 5 18 9	0 49 0 49 0 49 0 49 0 49	20 20 20 21 20 22 20 24	1 34 1 34 1 34 1 33 1 33	0 5 0 6 0 7 0 8 0 9 0 10		9 11 9 11 9 11 9 11 9 11 9 10	0 40 0 40 0 40 0 40 0 40	21 39 21 39 21 39 21 39 21 39 21 39	0 5 0 5 0 5 0 5 0 5	23 22 23 22 23 22 23 22 23 22 23 22	23 19 23 19 23 19 23 19 23 20	10 54 10 51 10 48 10 46 10 43	13 52 13 53 13 54 13 55 13 56	0 51 0 51 0 51 0 51 0 51 0 51
S 24 M25 T 26 W27 T 28 F 29	20 46 20 56 21 7 21 17 21 27 21 36	8 35 4 2 56 4 2 s50 8 8 25 3 13 31 4 17 52 4	4 12 4 50 5 10 5 12 4 55 4 22	25 24 25 31 25 36 25 39 25 40 25 39 25 37	2 17 2 16 2 15 2 12	25 0 24 52 24 45 24 36 24 27 24 17	2 24 2 25 2 26 2 26 2 26 2 27	9 56 9 42 9 27 9 13 8 58 8 44 8 29	2 6 2 7 2 9 2 10 2 11 2 13	18 19 18 22 18 26 18 29 18 32	0 49 0 49 0 49 0 48 0 48 0 48	20 28 20 30 20 31 20 32	1 33 1 33 1 33 1 33 1 33 1 33	0 10 0 11 0 12 0 13 0 13 0 14 0 15	0 44 0 44 0 44 0 44 0 44	9 10 9 10 9 10 9 10 9 9 9 9	0 40 0 40 0 40 0 40 0 40 0 40	21 38 21 38 21 38 21 38 21 38 21 38 21 38	0 5 0 4 0 4 0 4 0 4 0 4	23 22 23 22 23 22 23 23	23 20 23 20 23 20 23 20 23 20 23 20 23 20	10 38 10 35 10 32 10 30 10 27 10 24	13 58 13 59 14 0 14 1 14 2 14 3	0 52 0 52 0 52 0 52 0 52 0 52 0 52
				25 33 25n27		24 7 23n56	2 27 2n27	8 15 8s 0		18 36 18n39		20 33 20n34	1 33 1 s33	0 16 0n16		9 9 9s 9		21 38 21n38		23 23 23 s23				0 52 0 s52

Julian Day Number = 2516678.5, Delta T = 143.28 sec Ecliptic obliquity = $23^{\circ}24'59$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}13'56$, Lahiri = $26^{\circ}20'57$

JUNE 2178 00:00 UT

Day	Sid.t	0	D	ğ	·	ð	4	ħ)Å(¥	В	u	S	Ç	ę,	Day
M 1	16 38 44	10 Ⅱ 47'45	16 ₹ 20	39549	239540	15) 37	27 8 5	11 II 20	2Υ24	8) 6	21934	3°R 9	4 ට 21	22≈46	10826	M 1
T 2	16 42 41	11°45'18	29° 1	4°54	24°46	16°18	27°19	11°28	2°26	8° 6	21°35	3°D 8	4°18	22°53	10°29	T 2
W 3	16 46 37	12°42'49	11 る 26	5°55	25°52	16°59	27°33	11°36	2°28	8° 6	21°37	3 る 9	4°15	22°59	10°33	W 3
T 4	16 50 34	13°40'20	23°38	6°52	26°58	17°39	27°47	11°43	2°29	8° 6	21°38	3°10	4°11	23° 6	10°36	T 4
F 5	16 54 30	14°37'50	5≈40	7°46	28° 3	18°20	28° 1	11°51	2°31	8° 6	21°39	3°11	4° 8	23°13	10°39	F 5
S 6	16 58 27	15°35'18	17°34	8°35	29° 9	19° 0	28°15	11°59	2°32	8° 7	21°40	3°12	4° 5	23°19	10°43	S 6
S 7	17 2 23	16°32'46	29°26	9°21	0Ω14	19°41	28°29	12° 7	2°34	8° 7	21°42	3°14	4° 2	23°26	10°46	S 7
M 8	17 6 20	17°30'14	11 米 19	10° 2	1°18	20°21	28°42	12°15	2°35	8° 7	21°43	3°14	3°59	23°33	10°49	M 8
T 9	17 10 16	18°27'40	23°18	10°39	2°23	21° 1	28°56	12°22	2°37	8° 7	21°44	3°R14	3°56	23°39	10°52	T 9
W10	17 14 13	19°25'06	5 ℃ 27	11°12	3°27	21°41	29°10	12°30	2°38	8°R 7	21°46	3°14	3°52	23°46	10°55	W10
T 11	17 18 10	20°22'32	17°52	11°41	4°32	22°21	29°24	12°38	2°39	8° 7	21°47	3°13	3°49	23°53	10°59	T 11
F 12	17 22 6	21°19'56	0 8 35	12° 5	5°35	23° 1	29°37	12°46	2°41	8° 7	21°49	3°11	3°46	23°59	11° 2	F 12
S 13	17 26 3	22°17'21	13°40	12°25	6°39	23°41	29°51	12°53	2°42	8° 7	21°50	3°10	3°43	24° 6	11° 5	S 13
S 14	17 29 59	23°14'44	27° 7	12°40	7°43	24°21	0 Ⅱ 5	13° 1	2°43	8° 7	21°51	3° 9	3°40	24°13	11°8	S 14
M15	17 33 56	24°12'07	10 II 55	12°51	8°46	25° 1	0°18	13° 9	2°44	8° 7	21°53	3° 8	3°37	24°20	11°11	M15
T 16	17 37 52	25° 9'30	25° 4	12°57	9°49	25°40	0°32	13°16	2°45	8° 6	21°54	3° 7	3°33	24°26	11°14	T 16
W17	17 41 49	26° 6'52	9927	12°R58	10°51	26°20	0°45	13°24	2°46	8° 6	21°56	3°D 7	3°30	24°33	11°17	W17
T 18	17 45 46	27° 4'13	24° 1	12°55	11°54	26°59	0°59	13°32	2°47	8° 6	21°57	3° 7	3°27	24°40	11°20	T 18
F 19	17 49 42	28° 1'33	8 N 38	12°48	12°56	27°38	1°12	13°39	2°48	8° 6	21°59	3° 8	3°24	24°46	11°23	F 19
S 20	17 53 39	28°58'52	23°14	12°36	13°57	28°17	1°26	13°47	2°49	8° 5	22° 0	3° 8	3°21	24°53	11°26	S 20
S 21	17 57 35	29°56'11	7 Mp 42	12°20	14°59	28°56	1°39	13°55	2°50	8° 5	22° 1	3° 9	3°17	25° 0	11°29	S 21
M22	18 1 32	0953'28	22° 0	12° 1	16° 0	29°35	1°52	14° 2	2°51	8° 5	22° 3	3° 9	3°14	25° 6	11°31	M22
T 23	18 5 28	1°50'45	6 º 4	11°38	17° 1	0 Υ 14	2° 6	14°10	2°51	8° 4	22° 4	3°R 9	3°11	25°13	11°34	T 23
W24	18 9 25	2°48'01	19°53	11°11	18° 1	0°52	2°19	14°17	2°52	8° 4	22° 6	3°D 9	3° 8	25°20	11°37	W24
T 25	18 13 21	3°45'16	3 M 27	10°42	19° 1	1°31	2°32	14°25	2°53	8° 3	22° 7	3° 9	3° 5	25°27	11°40	T 25
F 26	18 17 18	4°42'31	16°45	10°11	20° 1	2° 9	2°45	14°32	2°53	8° 3	22° 9	3° 9	3° 2	25°33	11°42	F 26
S 27	18 21 15	5°39'45	29°48	9°37	21° 1	2°47	2°58	14°40	2°54	8° 2	22°10	3° 9	2°58	25°40	11°45	S 27
S 28	18 25 11	6°36'59	12 × 37	9° 3	22° 0	3°25	3°11	14°47	2°54	8° 2	22°12	3° 9	2°55	25°47	11°47	S 28
M29	18 29 8	7°34'12	2 <u>5</u> °14	8°28	22°58	4° 3	3°24	14°55	2°55	8° 1	22°14	3°10	<u>2°52</u>	25°53	11°50	M29
T 30	18 33 4	8931'25	7 云 38	7952	$23\Omega56$	4 Υ 41	3 II 37	15 II 2	2 Y 55	8) 1	229915	3°R10	2 る 49	26≈ 0	11852	T 30

Day	0	J		ζ	5	ç	1	ď	1	2	+	ŧ	ì.);	β(,	(Р)	n	v	Ç	ď	
	decl	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n 3	24 s14	1 s31	25n20	1n59	23n45	2n27	7 s46	2s17	18n42	0 s48	20n35	1 s33	0n17	0 s44	9s 9	0 s40	21n37	0s 4	23 s23	23 s21	10s16	14n 6	0 s52
T 2	22 10	23 48	0 23	25 12	1 52		2 26	7 31		18 46	0 48		1 33	0 17	0 44	9 9	0 40	21 37		23 23		10 13		0 52
W 3	_	22 10	0n46		1 45		2 26	7 16		18 49	0 48		1 33	0 18	-	9 9						10 11		0 53
T 4	22 25			-	1 38		2 25	7 2	2 21	18 52	0 48		1 32	0 19		9 9	0 40	,		23 23		10 8	-	0 53
F 5	22 32			24 40	1 29	_	2 25	6 47	2 22		0 48		1 32	0 19		9 9	0 40		0 4				14 10	0 53
S 6	22 38	12 2	3 41	24 28	1 20	22 40	2 24	6 33	2 23	18 58	0 48	20 41	1 32	0 20	0 44	9 9	0 40	21 37	0 4	23 23	23 21	10 3	14 11	0 53
S 7	22 44	7 33	4 23	24 14	1 9	22 25	2 23	6 18	2 25	19 1	0 48	20 42	1 32	0 20	0 44	9 9	0 40	21 37	0 4	23 23	23 21	10 0	14 12	0 53
M 8	22 50	2 47	4 53	-	0 58		2 22	6 3	2 26		0 48		1 32	0 21	0 44	9 9		21 36		23 23			14 13	0 53
T 9	22 55			23 46		21 54	2 21	5 49	2 27	19 7	0 48	-	1 32	0 22		9 9		21 36		23 23			14 14	0 53
W10	23 0	, ,		23 31		21 38	2 20	5 34		19 10	0 48		1 32	0 22	0 44	9 9				23 23			14 15	0 53
T 11				23 15		21 21	2 19	5 19		19 13	0 48		1 32	0 23		9 9		21 36		23 23			14 16	0 53
F 12	23 8			22 59	0 7		2 17	5 5	2 31	19 16	0 48		1 32	0 23		9 9	0 41	21 36		23 23			14 16	0 54
S 13	23 12	19 45	4 1	22 43	US /	20 47	2 15	4 50	2 33	19 19	0 48	20 48	1 32	0 23	0 45	9 9	0 41	21 36	0 3	23 23	23 22	9 44	14 17	0 54
S 14	-	22 31		22 26		20 29	2 14	4 36	2 34		0 48		1 32	0 24	0 45	9 9				23 23		-	14 18	0 54
M15	23 17			22 10		20 10	2 12	4 21		19 25	0 48		1 32	0 24	0 45	9 9	0 41	21 35		23 23			14 19	0 54
T 16	23 20			21 53	0 54		2 10	4 7	2 37		0 48		1 32	0 25	0 45	9 9	0 41	21 35		23 23			14 20	0 54
W17	23 22			21 37	1 10		2 8	3 52	2 38		0 48		1 32	0 25		9 9	0 41	21 35		23 23			14 21	0 54
T 18	-			21 21	1 27		2 5	3 38		19 33	0 48		1 32	0 25		9 9		21 35		23 23			14 21	0 54
	23 24				1 44		2 3	3 24		19 36	0 48		1 32	0 26		9 9		21 35		23 23			14 22	0 54
S 20	23 25	9 55	4 4	20 49	2 1	18 32	2 0	3 9		19 39	0 48	20 55	1 32	0 26	0 45	9 10		21 34		23 23		9 23	14 23	0 54
S 21	23 25			20 34		18 12	1 57	2 55		19 42		20 56	1 32	0 26		9 10		21 34		23 23			14 24	0 55
M22	23 25		-	20 19	2 34		1 54	2 41		-	0 48		1 32	0 27		9 10		21 34		23 23			14 24	0 55
T 23	23 24		5 17				1 51	2 27				20 58	1 32	0 27		9 10				23 23			14 25	0 55
W24	23 23		-	19 52	3 6		1 48	2 12	2 47		0 48		1 32	0 27	0 45	9 10		21 34		23 23		-	14 26	0 55
T 25	23 22		-	19 39	3 21		1 45	1 58	2 48		0 48		1 32	0 27	0 45	9 10		21 34		23 23			14 27	0 55
F 26 S 27	23 20			19 27	3 35 3 48		1 41	1 44	2 50		0 48 0 48		1 32	0 28		9 11				23 23			14 27	0 55 0 55
	23 18	22 56		19 17			1 38	1 30		19 57			1 32	0 28	0 45	9 11		21 33		23 23			14 28	0 33
S 28	23 15		-		4 0		1 34	1 16	2 52		0 48		1 32	0 28		9 11		21 33		23 23			14 29	0 55
	23 12			18 58			1 30	1 3	2 53		0 48	_	1 32	0 28		9 11		21 33		23 23			14 29	0 55
1 30	23n 9	22 s47	0n25	18n51	4 s 2 1	14n53	1n26	0 s49	2 s 5 5	20n 4	0 s48	21n 4	1 s32	0n28	0 s45	9s12	0 s41	21n33	0s 2	23 s23	23 s23	8 s 5 7	14n30	0 s 5 6

 $\label{eq:Julian Day Number = 2516709.5, Delta T = 143.35 sec} \\ Ecliptic obliquity = 23°24'58, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°14'01, Lahiri = 26°21'01 \\$

JULY 2178 00:00 UT

Day	Sid.t	0	D	ğ	·	o ⁷	4	ħ)ұ(,	Р	n	Ω	Ç	ķ	Day
W 1	18 37 1	9928'37	19 ට 52	7°R17	24 Ω 54	5 Υ 19	3 II 50	15 I 9	2Υ56	8°R 0	22917	3°R 9	2 ප් 46	26≈ 7	11855	W 1
T 2	18 40 57	10°25'50	1≈56	69544	25°51	5°56	4° 2	15°17	2°56	7 ∺ 59	22°18	3 ට 9	2°43	26°13	11°57	T 2
F 3	18 44 54	11°23'02	13°54	6°12	26°48	6°33	4°15	15°24	2°56	7°59	22°20	3° 8	2°39	26°20	12° 0	F 3
S 4	18 48 50	12°20'14	25°47	5°42	27°45	7°10	4°28	15°31	2°56	7°58	22°21	3° 7	2°36	26°27	12° 2	S 4
S 5	18 52 47	13°17'26	7) €38	5°15	28°41	7°47	4°40	15°39	2°56	7°57	22°23	3° 5	2°33	26°33	12° 4	S 5
M 6	18 56 44	14°14'38	19°31	4°51	29°36	8°24	4°53	15°46	2°57	7°56	22°24	3° 4	2°30	26°40	12° 6	M 6
T 7	19 0 40	15°11'51	1 Υ 29	4°31	0 m 31	9° 1	5° 5	15°53	2°57	7°56	22°26	3° 3	2°27	26°47	12° 9	T 7
W 8	19 4 37	16° 9'04	13°37	4°15	1°25	9°37	5°17	16° 0	2°R57	7°55	22°28	3°D 3	2°23	26°54	12°11	W 8
T 9	19 8 33	17° 6'16	26° 0	4° 3	2°19	10°13	5°30	16° 7	2°57	7°54	22°29	3° 3	2°20	27° 0	12°13	T 9
F 10	19 12 30	18° 3'30	8841	3°56	3°13	10°49	5°42	16°14	2°57	7°53	22°31	3° 4	2°17	27° 7	12°15	F 10
S 11	19 16 26	19° 0'43	21°44	3°D54	4° 5	11°25	5°54	16°21	2°56	7°52	22°32	3° 5	2°14	27°14	12°17	S 11
S 12	19 20 23	19°57'57	5 Ⅱ 12	3°57	4°57	12° 1	6° 6	16°28	2°56	7°51	22°34	3° 6	2°11	27°20	12°19	S 12
M13	19 24 19	20°55'12	19° 6	4° 5	5°49	12°36	6°18	16°35	2°56	7°50	22°35	3° 7	2° 8	27°27	12°21	M13
T 14	19 28 16	21°52'27	39524	4°18	6°40	13°11	6°30	16°42	2°56	7°49	22°37	3°R 7	2° 4	27°34	12°23	T 14
W15	19 32 13	22°49'42	18° 3	4°37	7°30	13°46	6°42	16°49	2°55	7°48	22°39	3° 7	2° 1	27°40	12°24	W15
T 16	19 36 9	23°46'57	2€58	5° 1	8°20	14°21	6°54	16°56	2°55	7°47	22°40	3° 5	1°58	27°47	12°26	T 16
F 17	19 40 6	24°44'12	17°59	5°30	9° 8	14°55	7° 5	17° 2	2°55	7°46	22°42	3° 3	1°55	27°54	12°28	F 17
S 18	19 44 2	25°41'28	2 M 58	6° 4	9°56	15°29	7°17	17° 9	2°54	7°45	22°43	3° 0	1°52	28° 1	12°29	S 18
S 19	19 47 59	26°38'43	17°47	6°44	10°44	16° 3	7°29	17°16	2°54	7°44	22°45	2°57	1°49	28° 7	12°31	S 19
M20	19 51 55	27°35'59	2 ≏ 19	7°29	11°30	16°37	7°40	17°22	2°53	7°43	22°46	2°55	1°45	28°14	12°33	M20
T 21	19 55 52	28°33'15	16°30	8°19	12°16	17°10	7°51	17°29	2°52	7°41	22°48	2°53	1°42	28°21	12°34	T 21
W22	19 59 48	29°30'31	0ML18	9°14	13° 1	17°43	8° 3	17°35	2°52	7°40	22°50	2°D53	1°39	28°27	12°36	W22
T 23 F 24	20 3 45	0 Ω 27'47 1°25'03	13°44	10°15 11°20	13°44 14°27	18°16 18°49	8°14 8°25	17°42 17°48	2°51 2°50	7°39 7°38	22°51 22°53	2°53 2°55	1°36 1°33	28°34 28°41	12°37 12°38	T 23 F 24
	20 7 42		26°49 9 ∡ ³36	11°20 12°30	14°27 15° 9								1°33	_	12°38 12°40	S 25
S 25	20 11 38	2°22'20				19°21	8°36	17°55	2°50	7°37	22°54	2°56		28°47		
S 26	20 15 35	3°19'37	22° 8	13°45	15°50	19°53	8°47	18° 1	2°49	7°35	22°56	2°58	1°26	28°54	12°41	S 26
M27	20 19 31	4°16'54	4 군 28	15° 5	16°30	20°25	8°58	18° 7	2°48	7°34	22°57	2°R58	1°23	29° 1	12°42	M27
T 28	20 23 28	5°14'12	16°38	16°29	17° 9	20°56	9° 8	18°13	2°47	7°33	22°59	2°57	1°20	29° 8	12°43	T 28
W29	20 27 24	6°11'30	28°41	17°58	17°46	21°27	9°19	18°19	2°46	7°31	23° 0	2°55	1°17	29°14	12°44	W29
T 30 F 31	20 31 21 20 35 17	7° 8'49 8Ω 6'08	10≈38 22≈31	19°31 21 © 9	18°23 18 m 58	21°58 22 ° 28	9°29 9 ∏ 40	18°25 18 Ⅲ 31	2°45 2 ° 44	7°30 7 ∺ 29	23° 2 23 © 4	2°51 2 ~3 45	1°14 1 る 10	29°21 29 ≈ 28	12°45 12 8 46	T 30 F 31

Day	0	2)	ζ	5	ç)	c	7	2	4	ŧ	ì)	ľ(‡	(E	-	R	Ω	Ç	ď	5
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n 5	20 s27	1n31	18n45	4 s 2 9	14n29	1n21	0 s35	2 s 5 6	20n 7	0 s48	21n 4	1 s32	0n28	0 s45	9s12	0 s41	21n32	0s 2	23 s23	23 s23	8s55	14n31	0 s 5 6
T 2	23 0	17 13	2 33	18 40	4 35	14 6	1 17	0 21	2 57	20 9	0 48	21 5	1 32	0 28	0 45	9 12	0 41	21 32	0 2	23 23	23 23	8 52	14 31	0 56
F 3	22 56	-					1 12	0 8		20 12	0 48	-	1 32	0 28		9 12		21 32		23 23			14 32	0 56
S 4	22 51	8 58	4 12	18 34	4 44	13 18	1 7	0n 6	2 59	20 14	0 48	21 7	1 32	0 28	0 45	9 13	0 41	21 32	0 2	23 23	23 23	8 46	14 32	0 56
S 5	22 45	4 16	4 46	18 33	4 46	12 54	1 2	0 19	3 1	20 16	0 48	21 8	1 32	0 29	0 45	9 13	0 41	21 32	0 2	23 23	23 23	8 44	14 33	0 56
M 6	22 39	0n34		18 33	4 47	12 30	0 57	0 32	3 2	20 18	0 48	21 8	1 32	0 29	0 45	9 13	0 41	21 31	0 2	23 23	23 24	8 41	14 34	0 56
T 7	22 33	5 25			4 46		0 52	0 46		-	0 48		1 32	0 29		9 14		-		23 23	_		14 34	0 56
W 8	22 26			18 38	4 43		0 46	0 59		20 23		21 10	1 32	0 28		9 14		21 31		23 23			14 35	0 57
T 9 F 10	22 19 22 12	14 33 18 26		18 42 18 47	4 40 4 34	-	0 41 0 35	1 12 1 25			0 48	21 10 21 11	1 32 1 32	0 28 0 28		9 14 9 15	0 41	21 31 21 31		23 23 23 23 23			14 35 14 36	0 57 0 57
S 11		21 33		18 53	4 34		0 33	1 38		20 27		21 11	1 32	0 28				21 31		23 23			14 36	0 57
																					-			
S 12 M13		23 35	2 28		4 21		0 23	1 50		20 31		21 13	1 32	0 28		9 16		21 30		23 23			14 37	0 57
T 14	21 47 21 38	24 15	0s 2	19 9 19 18	4 12 4 3		0 16 0 10	2 3 2 16		20 33 20 35		21 13 21 14	1 32 1 32	0 28 0 28		9 16 9 16		21 30 21 30	0 1 0 1		23 24 23 24		14 37 14 38	0 57 0 57
	21 29	-		19 28		1	0 10	2 28		20 33		21 14	1 32	0 28		9 17		21 30	0 1		23 24		14 38	0 58
	21 19				3 41	8 23	0s 4	2 40		20 39		21 15	1 32	0 28				21 29	0 1		23 24	-	14 38	0 58
F 17	21 9	11 54		19 49	3 29		0 11	2 53		20 41		21 16	1 32	0 27				21 29	0 1		23 24		14 39	0 58
S 18	20 59	6 10	4 32	20 0	3 17	7 33	0 19	3 5	3 16	20 43	0 48	21 16	1 32	0 27	0 46	9 18	0 42	21 29	0 1	23 23	23 24	8 8	14 39	0 58
S 19	20 48	0 10	5 3	20 11	3 4	7 8	0 26	3 17	3 17	20 45	0 48	21 17	1 32	0 27	0 46	9 18	0 42	21 29	0 1	23 23	23 24	8 5	14 39	0 58
M20	20 37	5 s43	5 14	20 22	2 51	6 43	0 34	3 28	3 18	20 47	0 48	21 18	1 32	0 27	0 46		0 42	21 29	0 1	23 23	23 24		14 40	0 58
T 21	20 26	11 11	5 5	20 32	2 37	6 19	0 42	3 40	3 19	20 49	0 48	21 18	1 32	0 26	0 46	9 19	0 42	21 29	0 1	23 23	23 24	8 0	14 40	0 58
W22	20 14	15 55		20 43			0 50	3 52		20 50	0 48	21 19	1 32	0 26	0 46	9 20		21 28		-	23 24	7 57	14 40	0 58
T 23	-	19 44		20 53			0 58	4 3		20 52		21 19	1 32	0 26		9 20		21 28		23 23			14 41	0 59
F 24		22 26		21 2			1 7	4 14		20 54		21 20	1 32	0 25		9 21		21 28		23 23			14 41	0 59
S 25	19 37	23 55	2 5	21 10	1 40	4 41	1 15	4 26	3 23	20 56	0 48	21 20	1 32	0 25	0 46	9 21	0 42	21 28	0 1	23 23	23 24	7 49	14 41	0 59
S 26		24 10		21 17			1 24	4 37		20 57		21 21	1 32	0 25				21 28		23 23	_		14 42	0 59
M27		23 12		21 23	1 11	3 54	1 33	4 48			0 48		1 32	0 24		9 22		21 27		23 23			14 42	0 59
T 28	18 56	-		21 27	0 57	3 30	1 42	4 58	3 26		0 48		1 32	0 24		9 23		21 27		23 23			14 42	0 59
W29 T 30	18 42	18 11 14 29		21 30 21 30	0 43 0 30		1 52 2 2	5 9 5 20	3 27 3 28		0 48	21 22 21 23	1 32 1 32	0 24 0 23		9 23 9 24		21 27 21 27		23 23			14 42 14 42	0 59
F 31		14 29 10s15		21 30 21n29			2 s11	5 20 5n30		21 4 21n 5		21 23 21n23	1 32 1 s32			-		21 27 21n27		-	23 s25		14 42 14n42	1 0 1s 0
1 31	101113	10313	31137	211129	0310	21121	2311	J1150	3343	2111 3	0.540	211123	1 532	01123	0.5-10	7524	0.542	21112/	05 0	23 323	23 323	1333	171172	15 0

Julian Day Number = 2516739.5, Delta T = 143.42 sec Ecliptic obliquity = 23°24'58, Nutation = 0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°14'05, Lahiri = 26°21'05

AUGUST 2178 00:00 UT

		•														
Day	Sid.t	0)	ğ	φ	ď	4	ħ)f(#	В	u	v	Ç	ķ	Day
S 1	20 39 14	9⋒ 3′29	4) €22	22950	19 m 32	22 Y 59	9Д50	18 Ⅲ 37	2°R43	7°R27	239 5	2°R39	1중 7	29≈34	12847	S 1
S 2	20 43 11	10° 0'50	16°14	24°35	20° 4	23°28	10° 0	18°43	2 Υ 42	7 ∺ 26	23° 7	2 る 32	1° 4	29°41	12°48	S 2
M 3	20 47 7	10°58'12	28° 8	26°23	20°35	23°58	10°10	18°49	2°40	7°24	23° 8	2°26	1° 1	29°48	12°49	M 3
T 4	20 51 4	11°55'35	10 ° 7	28°14	21° 5	24°27	10°20	18°55	2°39	7°23	23°10	2°21	0°58	29°54	12°50	T 4
W 5	20 55 0	12°52'59	22°15	0Ω 8	21°33	24°55	10°30	19° 0	2°38	7°22	23°11	2°17	0°55	0) 1	12°50	W 5
T 6	20 58 57	13°50'24	4 8 36	2° 5	22° 0	25°24	10°40	19° 6	2°37	7°20	23°13	2°15	0°51	0° 8	12°51	T 6
F 7	21 2 53	14°47'51	17°13	4° 4	22°25	25°51	10°49	19°11	2°35	7°19	23°14	2°D14	0°48	0°15	12°51	F 7
S 8	21 6 50	15°45'19	0 Ⅱ 11	6° 4	22°49	26°19	10°59	19°17	2°34	7°17	23°16	2°15	0°45	0°21	12°52	S 8
S 9	21 10 46	16°42'48	13°33	8° 6	23°10	26°46	11°8	19°22	2°33	7°16	23°17	2°16	0°42	0°28	12°52	S 9
M10	21 14 43	17°40'18	27°22	10° 9	23°30	27°12	11°18	19°28	2°31	7°14	23°19	2°R17	0°39	0°35	12°53	M10
T 11	21 18 40	18°37'50	119538	12°12	23°49	27°39	11°27	19°33	2°30	7°13	23°20	2°17	0°35	0°41	12°53	T 11
W12	21 22 36	19°35'23	26°20	14°16	24° 5	28° 4	11°36	19°38	2°28	7°11	23°21	2°15	0°32	0°48	12°53	W12
T 13	21 26 33	20°32'57	11 £ 23	16°20	24°19	28°29	11°45	19°43	2°26	7°10	23°23	2°11	0°29	0°55	12°54	T 13
F 14	21 30 29	21°30'32	26°37	18°24	24°32	28°54	11°54	19°48	2°25	7°8	23°24	2° 5	0°26	1° 2	12°54	F 14
S 15	21 34 26	22°28'08	11 m 52	20°27	24°42	29°18	12° 2	19°53	2°23	7° 6	23°26	1°57	0°23	1° 8	12°54	S 15
S 16	21 38 22	23°25'45	26°58	22°30	24°50	29°42	12°11	19°58	2°22	7° 5	23°27	1°50	0°20	1°15	12°54	S 16
M17	21 42 19	24°23'23	11 ≏ 46	24°32	24°57	0 8 5	12°19	20° 3	2°20	7° 3	23°29	1°43	0°16	1°22	12°R54	M17
T 18	21 46 15	25°21'02	26° 8	26°33	25° 0	0°28	12°28	20° 8	2°18	7° 2	23°30	1°38	0°13	1°28	12°54	T 18
W19	21 50 12	26°18'42	10 M 3	28°33	25°R 2	0°50	12°36	20°12	2°16	7° 0	23°31	1°35	0°10	1°35	12°54	W19
T 20	21 54 9	27°16'23	23°30	0 m 31	25° 1	1°12	12°44	20°17	2°14	6°58	23°33	1°D33	0° 7	1°42	12°54	T 20
F 21	21 58 5	28°14'05	6 ₹ 32	2°29	24°58	1°33	12°52	20°21	2°13	6°57	23°34	1°33	0° 4	1°48	12°54	F 21
S 22	22 2 2	29°11'49	19°12	4°26	24°53	1°53	12°59	20°26	2°11	6°55	23°35	1°34	0° 0	1°55	12°53	S 22
S 23	22 5 58	0 m 9'33	1 る 34	6°21	24°45	2°13	13° 7	20°30	2° 9	6°54	23°37	1°R35	29 × 757	2° 2	12°53	S 23
M24	22 9 55	1° 7'18	13°44	8°14	24°35	2°33	13°14	20°34	2° 7	6°52	23°38	1°34	29°54	2° 9	12°53	M24
T 25	22 13 51	2° 5'05	25°44	10° 7	24°22	2°51	13°22	20°38	2° 5	6°50	23°39	1°31	29°51	2°15	12°52	T 25
W26	22 17 48	3° 2'53	7≈39	11°58	24° 7	3° 9	13°29	20°42	2° 3	6°49	23°41	1°26	29°48	2°22	12°52	W26
T 27	22 21 44	4° 0'42	19°31	13°47	23°50	3°27	13°36	20°46	2° 1	6°47	23°42	1°18	29°45	2°29	12°51	T 27
F 28	22 25 41	4°58'32	1 ∺ 23	15°36	23°30	3°44	13°43	20°50	1°59	6°45	23°43	1° 8	29°41	2°35	12°50	F 28
S 29	22 29 38	5°56'24	13°15	17°23	23° 8	4° 0	13°49	20°54	1°57	6°44	23°44	0°56	29°38	2°42	12°50	S 29
S 30	22 33 34	6°54'17	25°10	19° 8	22°44	4°16	13°56	20°58	1°55	6°42	23°46	0°44	29°35	2°49	12°49	S 30
M31	22 37 31	7 m 52'12	7 Υ 8	20 m 53	22 m 18	4 8 30	14 I I 2	21 I 1	1 Υ 53	6) 40	239947	0 ප 32	29 × 32	2 ∺ 56	12 8 48	M31

Day	0	J)	ğ	5	ç)	ď	7	2	+	ħ) _į	ł(4	7	Е)	V	v	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	17n58	5 s 3 9	4n33	21n26	0s 4	1n58	2 s21	5n40	3 s 3 0	21n 7	0 s48	21n24	1 s32	0n22	0 s46	9 s 2 5	0 s42	21n26	0s (23 s23	23 s25	7 s 3 0	14n43	1 s 0
S 2	17 43	0 51	4 58	-	0n 9	1 36	2 32	5 50	3 31			21 24	1 32	0 22		9 25		21 26		23 24			14 43	1 0
M 3	17 28	3n59	5 9		0 21	1 15	2 42	6 0	3 32		-	21 25	1 33	0 21		9 26		21 26		23 24			14 43	1 0
T 4 W 5	17 12 16 56		5 7 4 51	21 1 20 47	0 32 0 42	0 53 0 32	2 53 3	6 10 6 19		21 11 21 12		21 25 21 25	1 33 1 33	0 21 0 20		9 26 9 27	0 42	21 26 21 26		23 24	23 25 23 25		14 43 14 43	1 0
T 6	16 39		4 22	20 47	0 42	0 32	3 14	6 29		21 12		21 23	1 33	0 20		9 27		21 26		23 24			14 43	1 0
F 7		20 28	3 40		1 1	0s 8	3 25	6 38		21 15		21 26	1 33	0 19		9 28		21 25		23 24			14 43	1 1
S 8	16 6	22 51	2 45	19 51	1 9	0 28	3 37	6 47	3 36	21 16	0 48	21 27	1 33	0 19	0 46	9 29	0 42	21 25	0 (23 24	23 25	7 11	14 43	1 1
S 9	15 49	24 3	1 40	19 27	1 17	0 47	3 48	6 56	3 37	21 17	0 49	21 27	1 33	0 18	0 46	9 29	0 42	21 25	0 (23 24	23 25	7 8	14 43	1 1
M10	15 31		0 27	19 1	1 23	1 6	4 0	7 5		21 19		21 27	1 33	0 17		9 30	0 42			23 24			14 43	1 1
T 11	15 14		0s50		1 29	1 24	4 11	7 13		21 20		21 28	1 33	0 17		9 30	0 42			23 24			14 43	1 1
W12 T 13		18 48 14 14	2 6 3 15	-	1 33	1 41 1 57	4 23 4 35	7 22 7 30		21 21 21 22		21 28 21 28	1 33 1 33	0 16 0 15		9 31 9 32	0 42	21 24 21 24		23 24			14 43 14 43	1 1
F 14	14 19		4 10		1 41	2 13	4 47	7 38		21 22		21 28	1 33	0 15		9 32		21 24		23 24			14 43	1 1
S 15	14 1	2 40	4 48		1 43	2 29	4 59	7 46		21 24		21 29	1 33	0 14		9 33		21 24		23 24			14 43	1 2
S 16	13 42	3 s28	5 5	15 39	1 45	2 43	5 11	7 53	3 42	21 25	0 49	21 29	1 33	0 13	0 47	9 33	0 42	21 24	0	23 24	23 25	6 49	14 43	1 2
M17	13 23	9 17	5 2	14 59	1 45	2 56	5 23	8 1		21 26		21 29	1 33	0 13		9 34	0 42	_		_	23 25	6 46	14 43	1 2
T 18	-	-	4 39	14 19	1 46	3 9	5 35	8 8		21 27		21 30	1 34	0 12		9 35	0 42	_		_	23 25		14 42	1 2
W19 T 20		18 37 21 41	4 1 3 10	13 37 12 54	1 45 1 44	3 21 3 32	5 48 6 0	8 15 8 22		21 28 21 29		21 30 21 30	1 34 1 34	0 11 0 11		9 35 9 36	0 42 0 42		0 1		23 25 23 25		14 42 14 42	1 2 1 2
F 21		23 31	2 10		1 44	3 41	6 12	8 29		21 30		21 30	1 34	0 10		9 36	0 42			23 24			14 42	1 3
S 22	11 45		1 6	-	1 40	3 50	6 23	8 35		21 31		21 31	1 34			9 37		21 22		23 24			14 42	1 3
S 23	11 24	23 24	0 0	10 41	1 37	3 58	6 35	8 42	3 46	21 32	0 49	21 31	1 34	0 8	0 47	9 38	0 42	21 22	0	23 24	23 25	6 29	14 41	1 3
M24	11 4	21 38	1n 5	9 55	1 34	4 4	6 47	8 48	3 46	21 33	0 49	21 31	1 34	0 7	0 47	9 38	0 42	21 22	0	23 24	23 25	6 27	14 41	1 3
T 25	10 43		2 5	9 9	1 30	4 10	6 58	8 54		21 34		21 31	1 34	0 7		9 39	0 42		0 1		23 25		14 41	1 3
W26 T 27	10 23 10 2	15 26 11 22	3 0 3 46	8 23 7 37	1 26 1 21	4 14 4 17	7 9 7 19	9 0 9 5		21 35 21 36		21 31 21 32	1 34 1 34	0 6 0 5		9 40 9 40	0 42 0 42		0 1		23 25 23 25		14 41 14 40	1 3
F 28	9 41		4 23	6 51	1 16	4 17	7 30	9 11		21 36		21 32	1 34	0 3		9 40	0 42		0 1		23 25		14 40	1 4
S 29	9 19		4 48	6 4	1 11	4 19	7 39	9 16		21 37		21 32	1 34	0 3		9 41		21 21			23 25		14 40	1 4
S 30	8 58	2n41	5 1	5 18	1 5	4 18	7 48	9 21	3 48	21 38	0 50	21 32	1 35	0 3	0 47	9 42	0 42	21 21	0	23 25	23 25	6 10	14 39	1 4
M31	8n37	7n25	5n 0	4n31	0n59	4s15	7 s 5 7	9n26	3 s48	21n38	0 s 5 0	21n32	1 s35	0n 2	0 s47	9 s43	0 s42	21n21	0n 2	23 s25	23 s25	6s 7	14n39	1 s 4

Julian Day Number = 2516770.5, Delta T = 143.50 sec Ecliptic obliquity = $23^{\circ}24'58$, Nutation = $0^{\circ}00'19$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}14'09$, Lahiri = $26^{\circ}21'09$

SEPTEMBER 2178 00:00 UT

JLI	ILMDLK	LI/U													00.0	0 0.
Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(并	В	S.	ß	Ç	ę,	Day
T 1	22 41 27	8 mp 50'09	19Υ13	22 Mp 36	21°R50	4 8 45	14 I 8	21 II 5	1°R50	6°R39	239548	0°R22	29 × 29	3 ∺ 2	12°R47	T 1
W 2	22 45 24	9°48'07	1 8 25	24°17	21 m/20	4°58	14°14	21° 8	1 Y 48	6) €37	23°49	0 궁 14	29°26	3° 9	12847	W 2
T 3	22 49 20	10°46'07	13°48	25°58	20°49	5°11	14°20	21°11	1°46	6°36	23°50	0° 8	29°22	3°16	12°46	T 3
F 4	22 53 17	11°44'10	26°24	27°37	20°16	5°23	14°26	21°15	1°44	6°34	23°51	0° 5	29°19	3°22	12°45	F 4
S 5	22 57 13	12°42'14	9 П 19	29°15	19°42	5°34	14°32	21°18	1°42	6°32	23°53	0°D 4	29°16	3°29	12°44	S 5
S 6	23 1 10	13°40'20	22°34	0 ჲ 52	19° 7	5°45	14°37	21°21	1°39	6°31	23°54	0°R 4	29°13	3°36	12°42	S 6
M 7	23 5 7	14°38'28	69्514	2°27	18°31	5°54	14°42	21°24	1°37	6°29	23°55	0° 4	29°10	3°42	12°41	M 7
T 8	23 9 3	15°36'38	20°20	4° 1	17°54	6° 3	14°47	21°26	1°35	6°27	23°56	0° 3	29° 6	3°49	12°40	T 8
W 9	23 13 0	16°34'50	4 Ω 53	5°35	17°17	6°11	14°52	21°29	1°33	6°26	23°57	29 × 759	29° 3	3°56	12°39	W 9
T 10	23 16 56	17°33'04	19°48	7° 6	16°40	6°19	14°57	21°32	1°30	6°24	23°58	29°53	29° 0	4° 3	12°37	T 10
F 11	23 20 53	18°31'19	4 Mp 58	8°37	16° 3	6°25	15° 2	21°34	1°28	6°23	23°59	29°44	28°57	4° 9	12°36	F 11
S 12	23 24 49	19°29'37	20°15	10° 6	15°26	6°31	15° 6	21°37	1°26	6°21	24° 0	29°34	28°54	4°16	12°35	S 12
S 13	23 28 46	20°27'56	5 ≏ 27	11°35	14°50	6°35	15°10	21°39	1°23	6°19	24° 1	29°23	28°51	4°23	12°33	S 13
M14	23 32 42	21°26'17	20°22	13° 2	14°15	6°39	15°14	21°41	1°21	6°18	24° 2	29°13	28°47	4°29	12°32	M14
T 15	23 36 39	22°24'39	4 M .53	14°28	13°41	6°42	15°18	21°43	1°19	6°16	24° 3	29° 4	28°44	4°36	12°30	T 15
W16	23 40 35	23°23'04	18°56	15°52	13° 8	6°44	15°22	21°45	1°16	6°15	24° 4	28°59	28°41	4°43	12°28	W16
T 17	23 44 32	24°21'30	2 ~ 29	17°15	12°36	6°46	15°25	21°47	1°14	6°13	24° 5	28°55	28°38	4°50	12°27	T 17
F 18	23 48 29	25°19'57	15°34	18°37	12° 6	6°R46	15°28	21°49	1°11	6°12	24° 5	28°54	28°35	4°56	12°25	F 18
S 19	23 52 25	26°18'26	28°14	19°58	11°38	6°46	15°32	21°51	1° 9	6°10	24° 6	28°54	28°32	5° 3	12°23	S 19
S 20	23 56 22	27°16'57	10중35	21°17	11°11	6°44	15°34	21°52	1° 7	6° 9	24° 7	28°54	28°28	5°10	12°21	S 20
M21	0 0 18	28°15'29	22°41	22°35	10°47	6°42	15°37	21°54	1° 4	6° 7	24° 8	28°52	28°25	5°16	12°20	M21
T 22	0 4 15	29°14'03	4≈38	23°51	10°24	6°39	15°40	21°55	1° 2	6° 6	24° 9	28°49	28°22	5°23	12°18	T 22
W23	0 8 1 1	0 ₽ 12'39	16°30	25° 6	10° 4	6°35	15°42	21°57	0°59	6° 4	24°10	28°42	28°19	5°30	12°16	W23
T 24	0 12 8	1°11'16	28°20	26°19	9°46	6°30	15°44	21°58	0°57	6° 3	24°10	28°33	28°16	5°37	12°14	T 24
F 25	0 16 4	2° 9'56	10) € 12	27°30	9°31	6°25	15°46	21°59	0°55	6° 1	24°11	28°21	28°12	5°43	12°12	F 25
S 26	0 20 1	3° 8'36	22° 8	28°40	9°18	6°18	15°48	22° 0	0°52	6° 0	24°12	28° 8	28° 9	5°50	12°10	S 26
S 27	0 23 58	4° 7'19	4Υ 9	29°48	9° 7	6°11	15°50	22° 1	0°50	5°58	24°12	27°54	28° 6	5°57	12° 7	S 27
M28	0 27 54	5° 6'04	16°16	0 M .53	8°59	6° 2	15°51	22° 1	0°47	5°57	24°13	27°40	28° 3	6° 3	12° 5	M28
T 29	0 31 51	6° 4'51	28°31	1°57	8°54	5°53	15°52	22° 2	0°45	5°56	24°14	27°28	28° 0	6°10	12° 3	T 29
W30	0 35 47	7 ♀ 3'40	10 8 54	2M58	8 m 50	5 8 43	15 Ⅱ 53	22 II 2	0 Ƴ 43	5) (54	249514	27 × 18	27 ×7 57	6 ∺ 17	128 1	W30

Day	0	D	ğ	φ	♂	4	ħ)Å(卉	Р	w v	Ç	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1 W 2 T 3	8n15 7 53 7 31	16 0 4 19	2 59 0 46		9 35 3 48		21 33 1 35	0n 1 0s47 0s 0 0 47	9 44 0 42	21 21 0 2	23 s25 23 s25 23 25 23 25 23 25 23 25	6 2	14n39 1s 4 14 38 1 4 14 38 1 4
F 4 S 5	7 9 6 47	22 4 2 48	2 13 0 40 1 27 0 33 0 42 0 26	3 53 8 25	9 43 3 48		21 33 1 35 21 33 1 35 21 33 1 35	0 1 0 47 0 2 0 47 0 3 0 47	9 45 0 42 9 45 0 42 9 46 0 42	21 21 0 2	23 25 23 25 23 25 23 25 23 25 23 25	5 56	14 37 1 5 14 37 1 5
S 6 M 7 T 8	6 25 6 3 5 40	23 52 0 40 22 44 0s33 20 9 1 45	0s 4 0 19 0 48 0 11 1 33 0 4	3 35 8 34 3 24 8 37 3 12 8 40	9 50 3 48 9 54 3 48 9 57 3 47		21 33 1 35	0 4 0 47 0 4 0 47 0 5 0 47	9 46 0 43 9 47 0 43 9 48 0 43	21 20 0 2	23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25	5 48	14 36 1 5 14 36 1 5 14 35 1 5
W 9 T 10 F 11	5 18 4 55 4 32	11 13 3 51	2 17 0s 4 3 0 0 12 3 43 0 20	2 46 8 42	10 2 3 47	21 44 0 50	21 33 1 35 21 33 1 36 21 33 1 36	0 6 0 47 0 7 0 47 0 8 0 47	9 48 0 43 9 49 0 43 9 49 0 43	21 20 0 2 21 20 0 2	23 25 23 25 23 25 23 25 23 25 23 25	5 40	14 35 1 5 14 34 1 5 14 34 1 6
S 12 S 13 M14	4 9 3 46 3 24	0 s 4 2 4 5 7 6 4 4 4 5 9 1 2 1 7 4 4 1	5 49 0 44	2 0 8 38	10 9 3 45		21 33 1 36 21 34 1 36 21 34 1 36	0 9 0 47 0 10 0 47 0 11 0 47	9 50 0 43 9 51 0 43 9 51 0 43	21 19 0 2	23 25 23 25 23 25 23 25 23 25 23 25	5 32	14 33 1 6 14 33 1 6 14 32 1 6
T 15 W16 T 17 F 18	3 1 2 37 2 14 1 51		6 29 0 52 7 10 1 0 7 49 1 8 8 28 1 16	1 10 8 26	10 14 3 43 10 15 3 42			0 12 0 47 0 13 0 47 0 14 0 47 0 15 0 47	9 52 0 43 9 52 0 43 9 53 0 43 9 53 0 43	21 19 0 3 21 19 0 3	23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25 23 25	5 23 5 21	14 31 1 6 14 31 1 6 14 30 1 6 14 30 1 7
S 19 S 20 M21	1 28 1 5 0 42	21 59 1n 1	9 6 1 24 9 43 1 32 10 19 1 40	0 1 7 58	10 18 3 40		21 34 1 36 21 34 1 37 21 34 1 37	0 16 0 47 0 17 0 47 0 18 0 47	9 54 0 43 9 55 0 43 9 55 0 43	21 19 0 3	23 25 23 24 23 25 23 24 23 25 23 24 23 25 23 24	5 12	14 29 1 7 14 28 1 7 14 28 1 7
T 22 W23 T 24	0 18 0s 5 0 28		10 55 1 48	0 32 7 41 1 0 49 7 31	10 18 3 37 10 18 3 36	21 48 0 51 21 48 0 51 21 48 0 51	21 34 1 37 21 34 1 37	0 19 0 47 0 20 0 47 0 20 0 47	9 56 0 43 9 56 0 43 9 57 0 43	21 19 0 3 21 19 0 3	23 25 23 24 23 25 23 24 23 24 23 24	5 7 5 4	14 27 1 7
F 25 S 26	0 52 1 15	3 20 4 45 1n27 4 58	13 8 2 18	1 35 7 0	10 17 3 33 10 17 3 31	21 48 0 51 21 49 0 51	21 33 1 37 21 33 1 37	0 21 0 47 0 22 0 47		21 18 0 3 21 18 0 3	23 24 23 24 23 24 23 24	4 56	14 25 1 7 14 24 1 8
S 27 M28 T 29 W30	1 38 2 1 2 25 2 s48	10 46 4 44 14 57 4 17	13 39 2 25 14 9 2 32 14 37 2 39 15s 5 2s46	1 49 6 49 1 2 2 6 38 1 2 15 6 26 1 2n27 6s14 1	10 15 3 28 10 14 3 26			0 23 0 47 0 24 0 47 0 25 0 47 0 s26 0 s47	9 59 0 43 9 59 0 43	21 18 0 3 21 18 0 3		4 50 4 48	14 23 1 8 14 22 1 8 14 22 1 8 14n21 1 s 8

Julian Day Number = 2516801.5, Delta T = 143.57 sec Ecliptic obliquity = $23^{\circ}24'58$, Nutation = $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}14'13$, Lahiri = $26^{\circ}21'14$

OCTOBER 2178 00:00 UT

•••															••••	
Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(¥	В	n	ß	Ç	ķ	Day
T 1	0 39 44	8₾ 2'31	23 8 27	3M56	8°D49	5°R33	15 Ⅱ 54	22 II 3	0°R40	5°R53	249915	27°R12	27 × 753	6) €24	11°R59	T 1
F 2	0 43 40	9° 1'25	6 I I11	4°52	8 m 51	5 8 21	15°54	22° 3	0 Υ 38	5) 52	24°16	27 ₹ 8	27°50	6°30	11856	F 2
S 3	0 47 37	10° 0'20	19° 9	5°45	8°55	5° 9	15°55	22° 3	0°36	5°50	24°16	27° 6	27°47	6°37	11°54	S 3
S 4	0 51 33	10°59'18	29524	6°35	9° 1	4°56	15°R55	22°R 3	0°33	5°49	24°17	27°D 6	27°44	6°44	11°52	S 4
M 5	0 55 30	11°58'19	15°59	7°21	9° 9	4°42	15°55	22° 3	0°31	5°48	24°17	27°R 6	27°41	6°50	11°49	M 5
T 6	0 59 27	12°57'21	29°54	8° 3	9°20	4°28	15°55	22° 3	0°28	5°46	24°18	27° 5	27°37	6°57	11°47	T 6
W 7	1 3 23	13°56'26	14 Ω 12	8°42	9°33	4°13	15°54	22° 3	0°26	5°45	24°18	27° 2	27°34	7° 4	11°44	W 7
T 8	1 7 20	14°55'34	28°50	9°15	9°48	3°57	15°54	22° 2	0°24	5°44	24°18	26°57	27°31	7°11	11°42	T 8
F 9	1 11 16	15°54'43	13 m 43	9°44	10° 4	3°41	15°53	22° 2	0°22	5°43	24°19	26°49	27°28	7°17	11°39	F 9
S 10	1 15 13	16°53'55	28°44	10° 8	10°23	3°24	15°52	22° 1	0°19	5°42	24°19	26°39	27°25	7°24	11°36	S 10
S 11	1 19 9	17°53'08	13 ≏ 44	10°26	10°44	3° 7	15°50	22° 1	0°17	5°41	24°20	26°28	27°22	7°31	11°34	S 11
M12	1 23 6	18°52'24	28°33	10°37	11° 7	2°49	15°49	22° 0	0°15	5°40	24°20	26°18	27°18	7°37	11°31	M12
T 13	1 27 2	19°51'42	13 M 2	10°R42	11°31	2°31	15°47	21°59	0°12	5°38	24°20	26°10	27°15	7°44	11°29	T 13
W14	1 30 59	20°51'02	27° 6	10°39	11°57	2°12	15°46	21°58	0°10	5°37	24°21	26° 4	27°12	7°51	11°26	W14
T 15	1 34 56	21°50'24	10 × ⁷ 43	10°29	12°25	1°53	15°43	21°57	0° 8	5°36	24°21	26° 1	27° 9	7°58	11°23	T 15
F 16	1 38 52	22°49'47	23°52	10°11	12°54	1°34	15°41	21°55	0° 6	5°35	24°21	26°D 0	27° 6	8° 4	11°20	F 16
S 17	1 42 49	23°49'13	6 ප 36	9°45	13°25	1°15	15°39	21°54	0° 4	5°34	24°21	26° 0	27° 3	8°11	11°18	S 17
S 18	1 46 45	24°48'40	19° 0	9°10	13°57	0°55	15°36	21°53	0° 2	5°34	24°21	26°R 1	26°59	8°18	11°15	S 18
M19	1 50 42	25°48'09	1≈ 8	8°26	14°31	0°36	15°33	21°51	29 米 59	5°33	24°22	26° 1	26°56	8°24	11°12	M19
T 20	1 54 38	26°47'39	13° 5	7°35	15° 6	0°16	15°30	21°49	29°57	5°32	24°22	25°59	26°53	8°31	11° 9	T 20
W21	1 58 35	27°47'11	24°57	6°36	15°42	29 Y 57	15°27	21°48	29°55	5°31	24°22	25°55	26°50	8°38	11° 6	W21
T 22	2 2 31	28°46'45	6) 48	5°31	16°20	29°37	15°24	21°46	29°53	5°30	24°22	25°49	26°47	8°45	11° 4	T 22
F 23	2 6 28	29°46'21	18°42	4°21	16°59	29°17	15°20	21°44	29°51	5°29	24°22	25°41	26°43	8°51	11° 1	F 23
S 24	2 10 25	0 M .45'59	0 Υ 42	3° 7	17°39	28°58	15°16	21°42	29°49	5°28	24°22	25°31	26°40	8°58	10°58	S 24
S 25	2 14 21	1°45'38	12°51	1°52	18°21	28°39	15°12	21°39	29°47	5°28	24°R22	25°21	26°37	9° 5	10°55	S 25
M26	2 18 18	2°45'20	25° 9	0°38	19° 3	28°20	15° 8	21°37	29°46	5°27	24°22	25°11	26°34	9°11	10°52	M26
T 27	2 22 14	3°45'03	7 8 38	29 ≏ 26	19°46	28° 1	15° 4	21°35	29°44	5°26	24°22	25° 2	26°31	9°18	10°49	T 27
W28	2 26 11	4°44'48	20°18	28°20	20°31	27°43	14°59	21°32	29°42	5°26	24°22	24°55	26°28	9°25	10°46	W28
T 29	2 30 7	5°44'36	3 I 8	27°22	21°17	27°25	14°55	21°30	29°40	5°25	24°22	24°50	26°24	9°32	10°43	T 29
F 30	2 34 4	6°44'26	16°10	26°32	22° 3	27° 7	14°50	21°27	29°38	5°24	24°22	24°48	26°21	9°38	10°40	F 30
S 31	2 38 0	7 M 44'17	29∏24	25 ≏ 52	22 Mp 51	26 Y 50	14 Ⅱ 45	21 II 24	29 米 37	5) €24	249522	24°D48	26 ₹ 18	9) (45	10 8 37	S 31

Day	0	D	ğ	ρ	ď	4	ħ)Å(¥	Р	w v	€ &
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl decl lat
T 1 F 2 S 3	3 34	23 6 1 48	15 s 31 2 s 52 15 55 2 58 16 18 3 3	8 2 49 5 51	10 9 3 20	21 49 0 52	21n33 1s38 21 33 1 38 21 33 1 38	0 28 0 47	10 1 0 43	21 18 0 4	23 s23 23 s24 23 23 23 24 23 23 23 24	4s42 14n20 1s 8 4 39 14 19 1 8 4 37 14 18 1 8
S 4 M 5 T 6 W 7 T 8 F 9	4 21 4 44 5 7 5 30 5 53 6 15	20 50 1 38 17 28 2 45 13 0 3 42 7 42 4 27	17 17 3 17 17 33 3 21	3 3 16 5 15 7 3 23 5 2 1 3 30 4 50 4 3 35 4 38	10 3 3 13 10 0 3 10 9 58 3 8 9 55 3 5	21 49 0 52 21 49 0 52 21 49 0 52 21 49 0 52	21 33 1 38 21 33 1 38 21 33 1 38 21 33 1 38 21 32 1 38 21 32 1 38 21 32 1 38	0 31 0 47 0 32 0 47 0 33 0 47 0 34 0 47	10 2 0 43 10 3 0 43 10 3 0 43 10 4 0 43	21 18 0 4 21 18 0 4 21 18 0 4 21 18 0 4	23 23 23 24 23 23 23 24	4 34 14 17 1 9 4 31 14 17 1 9 4 28 14 16 1 9 4 26 14 15 1 9 4 23 14 14 1 9 4 20 14 13 1 9
S 10 S 11 M12 T 13	6 38 7 1 7 23 7 46	4s 7 5 2 9 50 4 49 14 56 4 16 19 2 3 28	18 7 3 27 18 13 3 28 18 16 3 27 18 16 3 26	7 3 44 4 15 8 3 47 4 3 7 3 49 3 52 6 3 51 3 40	9 50 2 59 9 47 2 56 9 44 2 53 9 40 2 50	21 48 0 52 21 48 0 52 21 48 0 52 21 48 0 52	21 32 1 39 21 32 1 39 21 32 1 39 21 32 1 39	0 35 0 47 0 36 0 47 0 37 0 47 0 38 0 47	10 4 0 43 10 5 0 43 10 5 0 42 10 6 0 42	21 18 0 4 21 18 0 4 21 18 0 4 21 18 0 4	23 22 23 23 23 22 23 23 23 22 23 23 23 22 23 23	4 17 14 12 1 9 4 15 14 11 1 9 4 12 14 10 1 9 4 9 14 9 1 10
W14 T 15 F 16 S 17		23 28 0 11 22 19 0n56	18 6 3 19 17 55 3 13 17 39 3 6	9 3 51 3 18 3 3 50 3 7 6 3 48 2 56	9 27 2 36	21 47 0 52 21 47 0 52 21 47 0 52	21 31 1 39 21 31 1 39 21 31 1 39	0 39 0 47 0 40 0 47 0 41 0 47 0 41 0 47	10 6 0 42 10 7 0 42 10 7 0 42	21 18 0 4 21 18 0 4 21 18 0 5	23 21 23 23 23 21 23 23 23 21 23 23	4 6 14 8 1 10 4 4 14 7 1 10 4 1 14 7 1 10 3 58 14 6 1 10
M19 T 20 W21 T 22 F 23 S 24	9 36 9 58 10 19 10 41 11 2 11 23 11 44	17 1 2 56 13 17 3 44 9 4 4 22 4 32 4 49 0n11 5 3	16 27 2 34 15 54 2 19 15 17 2 3	5 3 43 2 35 4 3 39 2 24 9 3 34 2 14 3 3 29 2 4 5 3 23 1 54	9 21 2 29 9 17 2 25 9 14 2 21 9 11 2 18 9 7 2 14	21 46 0 52 21 46 0 52 21 45 0 52 21 45 0 52 21 44 0 52	21 31 1 39	0 42 0 47 0 43 0 47 0 44 0 47 0 45 0 47 0 46 0 47 0 47 0 47	10 8 0 42 10 8 0 42 10 8 0 42 10 8 0 42 10 9 0 42 10 9 0 42	21 18 0 5 21 18 0 5	23 21 23 23 23 20 23 22	3 56 14 5 1 10 3 53 14 4 1 10 3 50 14 3 1 10 3 47 14 2 1 10 3 45 14 1 1 11 3 42 14 0 1 11 3 39 13 59 1 11
S 25 M26 T 27 W28 T 29 F 30 S 31	12 4 12 25 12 45 13 5 13 25 13 45 14s 5	17 36 3 46 20 36 2 55 22 38 1 54	12 24 0 46 11 40 0 26 10 57 0 5 10 18 0n15 9 42 0 34	5 3 1 1 26 5 2 52 1 17 5 2 43 1 8 5 2 33 0 59 4 2 22 0 51	8 58 2 2 8 55 1 58 8 53 1 54 8 50 1 50 8 47 1 46	21 43 0 53 21 43 0 53 21 42 0 53 21 42 0 53 21 41 0 53	21 30 1 40 21 29 1 40	0 48 0 47 0 48 0 47 0 49 0 47 0 50 0 46 0 51 0 46 0 51 0 46 0 52 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 0 42 10 11 0 42	21 18 0 5 21 18 0 5 21 19 0 5 21 19 0 5 21 19 0 5	23 19 23 22	3 36 13 58 1 11 3 34 13 57 1 11 3 31 13 56 1 11 3 28 13 55 1 11 3 25 13 54 1 11 3 23 13 53 1 11 3 820 13n52 1 811

Julian Day Number = 2516831.5, Delta T = 143.64 sec Ecliptic obliquity = 23°24'58, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°14'17, Lahiri = 26°21'18

NOVEMBER 2178 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	ß	Ω	ţ	, k	Day
S 1	2 41 57	8 M .44'11	12950	25°R23	23 m/39	26°R33	14°R39	21°R21	29°R35	5°R23	24°R22	24 × ⁷ 49	26 × 15	9 米 52	10°R34	S 1
M 2	2 45 54	9°44'07	26°29	25 ♀ 6	24°28	26 Y 17	14 Ⅱ 34	21 I I18	29) 33	5 ¥ 23	249521	24°50	26°12	9°58	10831	M 2
T 3	2 49 50	10°44'05	10₽22	25°D 0	25°18	26° 2	14°28	21°15	29°31	5°22	24°21	24°R50	26° 9	10° 5	10°28	T 3
W 4	2 53 47	11°44'06	24°29	25° 6	26° 9	25°47	14°23	21°12	29°30	5°22	24°21	24°50	26° 5	10°12	10°25	W 4
T 5	2 57 43	12°44'08	8 m 49	25°22	27° 0	25°32	14°17	21° 9	29°28	5°22	24°21	24°47	26° 2	10°19	10°23	T 5
F 6	3 1 40	13°44'13	23°19	25°48	27°53	25°19	14°11	21° 6	29°27	5°21	24°20	24°43	25°59	10°25	10°20	F 6
S 7	3 5 36	14°44'20	7 ≙ 54	26°24	28°46	25° 6	14° 5	21° 2	29°25	5°21	24°20	24°37	25°56	10°32	10°17	S 7
S 8	3 9 33	15°44'29	22°29	27° 8	29°40	24°53	13°58	20°59	29°24	5°21	24°20	24°31	25°53	10°39	10°14	S 8
M 9	3 13 29	16°44'39	6 M .56	27°59	0 ჲ 34	24°42	13°52	20°55	29°22	5°20	24°19	24°25	25°49	10°45	10°11	M 9
T 10	3 17 26	17°44'52	21° 9	28°57	1°29	24°31	13°45	20°51	29°21	5°20	24°19	24°20	25°46	10°52	10° 8	T 10
W11	3 21 22	18°45'07	5 ₹ 2	OM 1	2°25	24°21	13°39	20°48	29°20	5°20	24°19	24°16	25°43	10°59	10° 5	W11
T 12	3 25 19	19°45'23	18°34	1°10	3°21	24°11	13°32	20°44	29°18	5°20	24°18	24°D15	25°40	11° 6	10° 2	T 12
F 13	3 29 16	20°45'41	1 云 42	2°23	4°18	24° 3	13°25	20°40	29°17	5°20	24°18	24°15	25°37	11°12	9°59	F 13
S 14	3 33 12	21°46'00	14°28	3°40	5°15	23°55	13°18	20°36	29°16	5°19	24°17	24°16	25°34	11°19	9°56	S 14
S 15	3 37 9	22°46'21	26°54	5° 1	6°13	23°48	13°11	20°32	29°15	5°19	24°17	24°18	25°30	11°26	9°53	S 15
M16	3 41 5	23°46'43	9≈ 5	6°23	7°11	23°42	13° 3	20°28	29°14	5°D19	24°16	24°20	25°27	11°32	9°50	M16
T 17	3 45 2	24°47'06	21° 5	7°48	8°10	23°37	12°56	20°24	29°13	5°19	24°16	24°R21	25°24	11°39	9°48	T 17
W18	3 48 58	25°47'31	2) (58	9°15	9° 9	23°32	12°49	20°20	29°12	5°19	24°15	24°20	25°21	11°46	9°45	W18
T 19	3 52 55	26°47'57	14°50	10°44	10° 9	23°29	12°41	20°15	29°11	5°19	24°15	24°19	25°18	11°53	9°42	T 19
F 20	3 56 52	27°48'25	26°46	12°14	11° 9	23°26	12°33	20°11	29°10	5°20	24°14	24°16	25°15	11°59	9°39	F 20
S 21	4 0 48	28°48'54	8 Ƴ 49	13°44	12°10	23°24	12°26	20° 7	29° 9	5°20	24°13	24°13	25°11	12° 6	9°36	S 21
S 22	4 4 4 5	29°49'24	21° 3	15°16	13°11	23°23	12°18	20° 2	29° 8	5°20	24°13	24° 8	25° 8	12°13	9°34	S 22
M23	4 8 41	0 ₮ 49'56	3 8 30	16°48	14°13	23°D22	12°10	19°58	29° 7	5°20	24°12	24° 4	25° 5	12°20	9°31	M23
T 24	4 12 38	1°50'29	16°12	18°21	15°15	23°23	12° 2	19°53	29° 7	5°20	24°11	24° 1	25° 2	12°26	9°28	T 24
W25	4 16 34	2°51'03	29° 9	19°54	16°17	23°24	11°54	19°49	29° 6	5°21	24°11	23°58	24°59	12°33	9°26	W25
T 26	4 20 31	3°51'39	12 Ⅲ 22	21°28	17°20	23°26	11°46	19°44	29° 5	5°21	24°10	23°57	24°55	12°40	9°23	T 26
F 27	4 24 27	4°52'16	25°48	23° 1	18°23	23°29	11°38	19°39	29° 5	5°21	24° 9	23°D56	24°52	12°46	9°20	F 27
S 28	4 28 24	5°52'55	9927	24°35	19°26	23°32	11°30	19°35	29° 4	5°22	24° 8	23°57	24°49	12°53	9°18	S 28
S 29	4 32 21	6°53'36	23°16	26° 9	20°30	23°37	11°22	19°30	29° 4	5°22	24° 8	23°58	24°46	13° 0	9°15	S 29
M30	4 36 17	7 .₹ 54'18	7 Ω 14	27 M 43	21 ≏ 34	23 Y 42	11 Ⅱ 14	19 Ⅲ 25	29 米 3	5) €22	2495 7	23 × 759	24 × 743	13) 7	9 8 13	M30

Day	0	D	ğ	Q	♂ [™]		4	ħ	1);	j(并		Р		n	Ω	Ç	, k	
	decl	decl lat	decl lat	decl lat	decl lat	decl	lat	decl	lat	decl	lat	decl lat		decl lat		decl	decl	decl	decl	lat
S 1	14 s24	21n12 1s3	66 8s46 1n	7 1n59 0s35	8n43 1 s	38 21n40	0 s53	21n28	1 s40	0 s53	0 s46	10s11 0s	42 2	1n19 (n 5	23 s19	23 s22	3 s 1 7	13n51	1 s12
M 2	14 43			21 1 47 0 27		34 21 39		21 28	1 40	0 53	0 46			1 19 (23 19			13 50	1 12
T 3	15 2	14 4 3 4	8 13 1 3			30 21 39		21 28	1 40	0 54	0 46	-	42 2			23 19			13 49	1 12
W 4	15 20	9 8 4 2		45 1 21 0 11		26 21 38			1 40	0 54	0 46	10 11 0	42 2	1 19 (23 19		3 9	13 48	1 12
T 5	15 39		-	54 1 8 0 4		22 21 37			1 40	0 55	0 46	-	42 2			23 19		3 6		1 12
F 6	15 57		9 8 5 2	1 0 53 0n 3		18 21 37		21 27	1 40	0 56				1 19 (23 19			13 46	1 12
S 7	16 15	7 45 5	1 8 13 2	6 0 39 0 10	8 33 1	14 21 36	0 52	21 27	1 40	0 56	0 46	10 12 0	42 2	1 20 () 6	23 18	23 21	3 1	13 45	1 12
S 8	16 32	12 58 4 3	8 25 2 1	11 0 24 0 17	8 33 1	0 21 35	0 52	21 26	1 41	0 57	0 46	10 12 0	42 2	1 20 () 6	23 18	23 21	2 58	13 44	1 12
M 9	16 49	17 25 3 4	9 8 40 2 1	13 0 8 0 24	8 32 1	6 21 35	0 52	21 26	1 41	0 57	0 46	10 12 0	42 2	1 20 () 6	23 18	23 21	2 55	13 43	1 12
T 10	17 6	20 46 2 5	50 8 59 2 1	15 0s 8 0 30	8 32 1	2 21 34	0 52	21 26	1 41	0 58	0 46	10 12 0	42 2	1 20 () 6	23 18	23 21	2 53	13 42	1 12
W11	17 23	22 48 1 4	9 21 2 1	15 0 24 0 36	8 31 0	58 21 33	0 52	21 25	1 41	0 58	0 46	10 12 0	42 2	1 20 () 6	23 18	23 21	2 50	13 41	1 12
T 12	17 39	23 26 0 3	9 46 2 1	15 0 41 0 42		55 21 32			1 41	0 59	0 46			1 20 (23 17		2 47	13 40	1 12
F 13	17 56	22 44 0n4	1 10 12 2 1	13 0 58 0 48		51 21 31			1 41	0 59	0 46	10 12 0	42 2	1 20 (23 17		2 44	13 39	1 12
S 14	18 11	20 50 1 4	8 10 41 2 1	11 1 15 0 54	8 32 0	17 21 31	0 52	21 25	1 41	1 0	0 46	10 12 0	42 2	1 20 () 6	23 18	23 20	2 42	13 38	1 13
S 15	18 27	17 59 2 4	9 11 10 2	8 1 33 1 0	8 33 0	14 21 30	0 52	21 24	1 41	1 0	0 46	10 12 0	42 2	1 21 (6	23 18	23 20	2 39	13 37	1 13
M16	18 42	14 25 3 4	1 11 41 2	4 1 51 1 5	8 34 0	10 21 29		21 24	1 41	1 0	0 46	10 12 0	42 2	1 21 () 6	23 18	23 20	2 36	13 36	1 13
T 17	18 57	10 19 4 2	2 12 13 2	0 2 10 1 10	8 36 0	37 21 28	0 52	21 24	1 41	1 1	0 46	10 12 0	42 2	1 21 () 7	23 18	23 20	2 34	13 35	1 13
W18	19 11	5 52 4 5	52 12 45 1 5	55 2 28 1 15	8 37 0 3	33 21 27		21 23	1 41	1 1	0 46	10 12 0	42 2	1 21 (23 20	2 31	13 34	1 13
T 19	19 25		9 13 17 1 5	50 2 47 1 20		30 21 26		21 23	1 41	1 2			42 2	1 21 (23 18			13 33	1 13
F 20	19 39	3n30 5 1	3 13 50 1 4	14 3 6 1 25	8 41 0 3	26 21 25	0 52	21 23	1 41	1 2	0 46	10 12 0	42 2	1 21 () 7	23 18	23 20	2 25	13 32	1 13
S 21	19 53	8 8 5	3 14 23 1 3	38 3 26 1 29	8 43 0	23 21 25	0 52	21 22	1 41	1 2	0 46	10 12 0	42 2	1 22 () 7	23 17	23 20	2 23	13 31	1 13
S 22	20 6	12 31 4 4	10 14 56 1 3	32 3 46 1 34	8 46 0 3	20 21 24	0 52	21 22	1 41	1 3	0 46	10 12 0	42 2	1 22 () 7	23 17	23 20	2 20	13 30	1 13
M23	20 18	16 28 4	3 15 28 1 2	26 4 6 1 38	8 49 0	7 21 23	0 52	21 22	1 41	1 3	0 46	10 12 0	42 2	1 22 () 7	23 17	23 19	2 17	13 29	1 13
T 24	20 31	19 45 3 1	3 16 0 1 1	19 4 26 1 42	8 52 0	4 21 22	0 51	21 22	1 41	1 3	0 46	10 12 0	42 2	1 22 () 7	23 17	23 19	2 15	13 29	1 13
W25	20 43	22 6 2 1	2 16 32 1 1	13 4 46 1 46	8 55 0	1 21 21	0 51	21 21	1 41	1 3	0 46	10 12 0	42 2	1 22 () 7	23 17	23 19	2 12	13 28	1 13
	20 54	23 18 1	3 17 3 1	6 5 7 1 50		8 21 20		21 21	1 41	1 4	0 46	10 12 0	42 2	1 23 (23 17		2 9	13 27	1 13
F 27	21 5	23 11 0s1	0 17 33 0 5	59 5 27 1 53		5 21 19		21 21	1 40	1 4	0 45	10 11 0	42 2	1 23 (23 17		2 6	13 26	1 13
S 28	21 16	21 40 1 2	25 18 3 0 5	52 5 48 1 56	9 6 0	2 21 18	0 51	21 20	1 40	1 4	0 45	10 11 0	42 2	1 23 () 7	23 17	23 19	2 4	13 25	1 13
S 29	21 26	18 52 2 3	5 18 32 0 4	45 6 9 2 0	9 10 On	1 21 17	0 51	21 20	1 40	1 4	0 45	10 11 0	42 2	1 23 () 7	23 17	23 19	2 1	13 24	1 13
M30	21 s36	14n57 3 s3	7 19s 1 0n3	38 6s30 2n 3	9n14 0n	3 21n16	0 s 5 1	21n20	1 s40	1 s 4	0 s45	10s11 0s	42 2	1n23	n 7	23 s17	23 s19	1 s58	13n23	1 s13

Julian Day Number = 2516862.5, Delta T = 143.71 sec Ecliptic obliquity = $23^{\circ}24'57$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}14'22$, Lahiri = $26^{\circ}21'22$

DECEMBER 2178 00:00 UT

Day	Sid.t	0	D	ğ	ρ	o ⁷	4	ħ)∤(¥	В	n	Ω	Ç	ķ	Day
-					22 <u>0</u> 38	23 Y 47						24×7 0	24×740	-		T 1
T 1 W 2	4 40 14 4 44 10	8 ∡ 55'01 9°55'46	21 Ω 18 5 m 27	29M18 0×752	22 32 38 23°43	23°54	11°R 5 10 Ⅱ 57	19°R20 19 Ⅱ 16	29°R 3 29 ∺ 2	5 ∺ 23 5°23	24°R 6 249 5	24× 0 24°R 1	24×'40 24°36	13 米 13 13°20	9°R10 9 と 8	W 2
T 3	4 44 10	10°56'33	19°39	2°26	23 43 24°48	23° 34 24° 1	10 11 37	19 1 10	29X 2 29° 2	5°24	24° 4	24 K 1	24°33	13°27	9° 5	T 3
F 4	4 52 3	10°57'21	3 ₽ 51	4° 0	25°53	24° 9	10°49	19° 6	29° 2	5°25	24° 3	24° 0	24°30	13°33	9° 3	F 4
S 5	4 56 0	12°58'10	18° 1	5°34	26°59	24°17	10°33	19° 1	29° 2	5°25	24° 2	23°59	24°27	13°40	9° 1	S 5
								-	-				_		, .	
S 6	4 59 56	13°59'01	2M 6	7° 8	28° 5	24°27	10°25	18°56	29° 2	5°26	24° 2	23°58	24°24	13°47	8°58	S 6
M 7	5 3 53	14°59'54	16° 3	8°42	29°11	24°37	10°16	18°51	29° 1	5°27	24° 1	23°56	24°20	13°54	8°56	M 7
T 8 W 9	5 7 50 5 11 46	16° 0'47 17° 1'42	29°49 13 7 20	10°17 11°51	0 M .17 1°24	24°47 24°58	10° 8 10° 0	18°46 18°41	29°D 1 29° 1	5°27 5°28	24° 0 23°59	23°55 23°55	24°17 24°14	14° 0 14° 7	8°54 8°52	T 8 W 9
T 10	5 11 46	1/° 142 18° 2'38	26°36	13°25	2°31	24°38 25°10	9°52	18°36	29° 1	5°29	23°58	23°D55	24°14 24°11	14° /	8°52 8°50	W 9
F 11	5 19 39	19° 3'35	20 30 9 궁 34	13°23	3°38	25°23	9°44	18°31	29° 2	5°30	23°57	23°55	24° 11	14°21	8°48	F 11
S 12	5 23 36	20° 4'33	22°15	16°33	4°45	25°36	9°36	18°26	29° 2	5°30	23°56	23°55	24° 5	14°27	8°45	S 12
														-		
S 13	5 27 32	21° 5'31	4 ≈ 40	18° 7	5°53	25°49	9°28	18°22	29° 2	5°31	23°55	23°56	24° 1	14°34	8°43	S 13
M14	5 31 29 5 35 25	22° 6'30 23° 7'30	16°51	19°41 21°15	7° 1 8° 8	26° 4 26°19	9°21 9°13	18°17 18°12	29° 2 29° 3	5°32 5°33	23°54 23°53	23°56 23°56	23°58 23°55	14°41 14°47	8°42 8°40	M14 T 15
T 15 W16	5 39 22	24° 8'30	28°52 10 ¥ 46	21°13 22°50	9°17	26°34	9° 13	18° 12	29° 3	5°34	23°53 23°51	23°R56	23°52	14°47	8°38	W16
T 17	5 43 19	25° 9'31	22°38	24°24	10°25	26°50	8°58	18° 2	29° 3	5°35	23°50	23°D56	23°49	15° 1	8°36	T 17
F 18	5 47 15	26°10'32	$4\mathbf{Y}_{33}$	25°58	10°23	20° 50° 6	8°50	17°57	29° 4	5°36	23°49	23°56	23°46	15° 8	8°34	F 18
S 19	5 51 12	20°10'32 27°11'34	16°35	27°33	12°42	27°23	8°43	17°52	29° 4	5°37	23°48	23°56	23°42	15°14	8°32	S 19
									-							
S 20	5 55 8	28°12'36	28°49	29° 7	13°51	27°41	8°35	17°47	29° 5	5°38	23°47	23°57	23°39	15°21	8°31	S 20
M21	5 59 5 6 3 1	29°13'39	11 8 19 24° 7	0 궁 42 2°17	15° 0 16° 9	27°59 28°17	8°28	17°43 17°38	29° 6 29° 6	5°40 5°41	23°46 23°45	23°57 23°58	23°36 23°33	15°28	8°29	M21 T 22
T 22 W23	6 3 1 6 6 58	0 궁 14'42 1°15'46	24° / 7 Ⅱ 17	3°52	17°18	28°36	8°21 8°14	17°38	29° 6 29° 7	5°41	23°45 23°44	23°58 23°59	23°33 23°30	15°34 15°41	8°28 8°26	W23
T 24	6 10 54	2°16'50	20°47	5°28	18°28	28°55	8° 7	17°28	29° 8	5°43	23°42	23°R59	23°27	15°48	8°25	T 24
F 25	6 14 51	3°17'54	4937	7° 3	19°37	29°15	8° 1	17°24	29° 9	5°44	23°41	23°59	23°23	15°55	8°23	F 25
S 26	6 18 48	4°18'59	18°44	8°39	20°47	29°36	7°54	17°19	29°10	5°46	23°40	23°58	23°20	16° 1	8°22	S 26
														_		
S 27	6 22 44	5°20'04	3 Ω 4	10°15	21°57	29°56	7°48	17°15	29°11	5°47	23°39	23°57	23°17	16° 8	8°21	S 27
M28	6 26 41	6°21'10	17°30	11°51 13°27	23° 7	0 8 17 0°39	7°41	17°10 17° 6	29°12 29°13	5°48 5°50	23°38	23°55 23°54	23°14 23°11	16°15	8°19 8°18	M28 T 29
T 29 W30	6 30 37 6 34 34	7°22'17 8°23'24	1 Mp 58 16°23	15° 4	24°17 25°28	1° 0	7°35 7°29	17° 6	29°13 29°14	5°51	23°36 23°35	23°54 23°52	23° 7	16°22 16°28	8°17	W30
T 31	6 38 30	8 23 24 9 궁 24'31	10 23 0 Ω 41	15 4 16 云 41	25 28 26 M 38	1823	7 Ⅱ 23	16 I I57	29 14 29) 15	5) 53	23 934	23 32 23 7 51	23 7 4	16 28 16) 35	8 8 16	T 31

Day	0	D	ζ	5	φ	♂	24	ŀ	ħ	1);	β(并		Р	n	Ω	Ç	ķ	
	decl	decl lat	decl	lat dec	l lat c	ecl lat	decl	lat	decl	lat	decl	lat	decl lat	de	cl lat	decl	decl	decl	decl	lat
T 1 W 2	21 s46 21 55	4 51 5 (19 s 28 19 55	0 24 7 1	2 2 8 9	24 0 9	21n15 21 14	0 51	21n19 21 19	1 s40 1 40	1 s 4 1 4	0 45	10 10 0	12 21n 12 21	24 0 8	7 23 s17 3 23 17	23 18	1 53	13n23 13 22	1 s14 1 14
T 3 F 4 S 5	22 4 22 12 22 20	6 18 5 12	20 21 20 46 21 10		5 2 13 9	34 0 14	21 13 21 12 5 21 11	0 50	21 19 21 18 21 18	1 40 1 40 1 40	1 4 1 5 1 5		10 10 0	12 21 12 21 12 21	24 0 8	3 23 17 3 23 17 3 23 17	23 18	1 47	13 21 13 20 13 19	1 14 1 14 1 14
S 6 M 7 T 8 W 9	22 41	19 44 3 15 22 12 2 10	21 33 5 21 55 0 22 15 8 22 35	0 11 8 5 0 17 9 2	9 2 20 9 1 2 22 9	51 0 21 57 0 23	21 8	0 50 0 50	21 18 21 17 21 17 21 17	1 40 1 40 1 40 1 40	1 5 1 5 1 5 1 5	0 45 0 45	10 9 0 10 9 0		25 0 8 25 0 8	3 23 17 3 23 17 3 23 17 3 23 17	23 18	1 39 1 37	13 19 13 18 13 17 13 16	1 14 1 14 1 14 1 14
T 10 F 11 S 12	22 53 22 58 23 3	23 7 0n15 21 39 1 26 19 6 2 31	5 22 54 5 23 11 23 27	0 31 10 4 0 37 10 2 0 43 10 4	4 2 25 10 5 2 27 10 6 2 28 10	9 0 27 16 0 29 22 0 31	21 6 21 5 21 4	0 49 0 49 0 49	21 16 21 16 21 16	1 40 1 40 1 40	1 4 1 4 1 4	0 45 0 45 0 45	10 8 0 10 8 0 10 8 0	12 21 12 21 12 21	26 0 8 26 0 8 26 0 8	3 23 17 3 23 17 3 23 17	23 17 23 17 23 17 23 17	1 31 1 28 1 26	13 16 13 15 13 14	1 14 1 14 1 14
S 13 M14 T 15 W16 T 17 F 18 S 19	23 7 23 11 23 14 23 17 23 20 23 22 23 23	1n56 5 17 6 35 5 12	23 56		2 31 10 2 32 10 1 2 32 10 2 2 33 11	36 0 35 43 0 37 50 0 39 58 0 41 5 0 42	21 2 21 1 21 0	0 49 0 49 0 48 0 48 0 48	21 15 21 15 21 15 21 14 21 14 21 14 21 13	1 39 1 39 1 39 1 39 1 39 1 39	1 4 1 4 1 4 1 3 1 3 1 3	0 45 0 45 0 45 0 45 0 45	10 7 0 10 7 0 10 6 0 10 6 0 10 6 0	12 21 12 21 12 21	27 0 8 27 0 8 27 0 8 27 0 8 27 0 9 28 0 9	3 23 17 3 23 17 3 23 17 3 23 17 9 23 17 9 23 17 9 23 17	23 17 23 17 23 16 23 16 23 16	1 20 1 18 1 15 1 12 1 10	13 14 13 13 13 12 13 12 13 11 13 10 13 10	1 14 1 14 1 14 1 14 1 14 1 14 1 14
S 20 M21 T 22 W23 T 24 F 25 S 26	23 25 23 25 23 24 23 22	18 37 3 35 21 20 2 38 23 0 1 31	25 3 25 4 25 3	1 28 13 3. 1 33 13 5. 1 37 14 1. 1 42 14 3. 1 46 14 5 1 49 15 1. 1 53 15 2.	2 2 34 11 2 2 34 11 2 2 33 11 1 2 33 12 0 2 33 12	29 0 47 37 0 49 45 0 50 53 0 52 2 0 53	5 20 56 7 20 55 9 20 54 9 20 53 2 20 52 3 20 51 4 20 50	0 47 0 47 0 47 0 47 0 47	21 13 21 13 21 12 21 12 21 12 21 12 21 11	1 39 1 39 1 38 1 38 1 38 1 38	1 3 1 2 1 2 1 2 1 1 1 1 1 1	0 45 0 44	10 4 0 10 4 0 10 3 0 10 3 0 10 2 0	12 21 1 12 21 1 12 21 1 12 21 1 12 21 1 12 21 1 12 21 1	28 0 9 29 0 9 29 0 9 29 0 9 29 0 9	23 17 23 17 23 17 23 17 23 17 23 17 23 17 23 17	23 16 23 16 23 15 23 15 23 15 23 15	1 4 1 1 0 59 0 56 0 53 0 51 0 48	13 8 13 7 13 7	1 14 1 14 1 14 1 14 1 14 1 14 1 14
S 27 M28 T 29 W30 T 31	23 18 23 16 23 13 23 9 23 s 5	11 32 4 15 6 11 4 53 0 33 5 13	24 57 5 24 52 6 24 45 6 24 37 1 24s27	1 56 15 4 1 59 16 6 2 2 16 2 2 4 16 4 2s 6 16s5	5 2 31 12 4 2 30 12 1 2 30 12	27 0 57 36 0 58 45 1 0	5 20 50 7 20 49 8 20 48 0 20 47 20n46	0 46 0 46 0 46	21 11 21 11 21 10 21 10 21n10	1 38 1 38 1 37 1 37 1 s37	1 0 1 0 0 59 0 59 0 s58	0 44 0 44 0 44	10 1 0 10 1 0 10 0 0		30 0 9 30 0 9 31 0 9	23 17 23 17 23 16 23 16 23 16 23 16 23 16	23 15 23 14	0 45 0 43 0 40 0 37 0s35	13 5 13 5	1 14 1 14 1 14 1 14 1 s14

Julian Day Number = 2516892.5, Delta T = 143.78 sec Ecliptic obliquity = $23^{\circ}24'56$, Nutation = $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}14'26$, Lahiri = $26^{\circ}21'26$