

Astrodienst Ephemeris Tables for the year 2161

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 2161 00:00 UT

•																
Day	Sid.t	0	D	ğ	Ş	ď	4	ħ)ұ(卉	Р	S.	v	Ç	ķ	Day
T 1	6 43 52	10 3 48'33	29≈33	27°R30	23≈20	22 M 15	4 ₹ 154	19 M .51	19 る 53	27る20	2°R22	12°R21	11 ~ 8	4) (20	28≈49	T 1
F 2	6 47 48	11°49'42	11 米 25	27る25	23°58	22°54	5° 6	19°56	19°57	27°22	29521	12 √ 17	11° 5	4°27	28°52	F 2
S 3	6 51 45	12°50'52	23°17	27° 8	24°34	23°33	5°18	20° 1	20° 0	27°24	2°20	12°14	11° 2	4°33	28°56	S 3
S 4	6 55 42	13°52'01	5 Υ 12	26°39	25° 9	24°12	5°30	20° 7	20° 4	27°26	2°19	12°12	10°59	4°40	28°59	S 4
M 5	6 59 38	14°53'10	17°16	25°58	25°43	24°51	5°41	20°12	20° 8	27°28	2°17	12°D11	10°55	4°47	29° 2	M 5
T 6	7 3 3 5	15°54'19	29°33	25° 6	26°15	25°30	5°53	20°17	20°11	27°31	2°16	12°12	10°52	4°54	29° 6	T 6
W 7	7 7 3 1	16°55'27	12 8 8	24° 4	26°45	26° 8	6° 5	20°22	20°15	27°33	2°15	12°14	10°49	5° 0	29° 9	W 7
T 8	7 11 28	17°56'35	25° 6	22°55	27°14	26°47	6°16	20°27	20°18	27°35	2°14	12°15	10°46	5° 7	29°12	T 8
F 9	7 15 24	18°57'43	8 Ⅱ 30	21°39	27°41	27°26	6°28	20°32	20°22	27°37	2°13	12°R16	10°43	5°14	29°16	F 9
S 10	7 19 21	19°58'51	22°20	20°19	28° 7	28° 5	6°39	20°37	20°25	27°40	2°12	12°16	10°39	5°20	29°19	S 10
S 11	7 23 17	20°59'58	6936	18°59	28°30	28°44	6°50	20°41	20°29	27°42	2°10	12°14	10°36	5°27	29°23	S 11
M12	7 27 14	22° 1'05	21°14	17°40	28°52	29°23	7° 2	20°46	20°33	27°44	2° 9	12°10	10°33	5°34	29°26	M12
T 13	7 31 11	23° 2'12	6 N 7	16°24	29°12	0 x ⁷ 2	7°13	20°50	20°36	27°46	2° 8	12° 4	10°30	5°41	29°30	T 13
W14	7 35 7	24° 3'19	21° 7	15°15	29°29	0°41	7°24	20°55	20°40	27°49	2° 7	11°57	10°27	5°47	29°34	W14
T 15	7 39 4	25° 4'25	6Mp 4	14°14	29°45	1°20	7°35	20°59	20°43	27°51	2° 6	11°51	10°24	5°54	29°37	T 15
F 16	7 43 0	26° 5'31	20°51	13°21	29°58	1°59	7°46	21° 4	20°47	27°53	2° 5	11°45	10°20	6° 1	29°41	F 16
S 17	7 46 57	27° 6'37	5 ₾ 19	12°37	0 ∺ 10	2°38	7°57	21° 8	20°50	27°56	2° 4	11°41	10°17	6° 8	29°45	S 17
S 18	7 50 53	28° 7'43	19°27	12° 3	0°19	3°17	8° 7	21°12	20°54	27°58	2° 3	11°39	10°14	6°14	29°48	S 18
M19	7 54 50	29° 8'48	3 M .13	11°39	0°25	3°56	8°18	21°16	20°57	28° 0	2° 2	11°D38	10°11	6°21	29°52	M19
T 20	7 58 46	0≈ 9'54	16°38	11°24	0°30	4°35	8°29	21°20	21° 1	28° 2	2° 1	11°39	10° 8	6°28	29°56	T 20
W21	8 2 43	1°10'59	29°45	11°D18	0°R32	5°14	8°39	21°24	21° 5	28° 5	2° 0	11°41	10° 5	6°34	29°59	W21
T 22	8 6 40	2°12'04	12 × 35	11°20	0°31	5°53	8°50	21°28	21° 8	28° 7	1°59	11°R41	10° 1	6°41	0 ∺ 4	T 22
F 23	8 10 36	3°13'09	2 <u>5</u> °12	11°31	0°28	6°32	9° 0	21°32	21°12	28° 9	1°58	11°40	9°58	6°48	0° 7	F 23
S 24	8 14 33	4°14'13	7 궁 38	11°48	0°23	7°11	9°10	21°35	21°15	28°12	1°57	11°37	9°55	6°55	0°11	S 24
S 25	8 18 29	5°15'17	19°54	12°12	0°15	7°50	9°20	21°39	21°19	28°14	1°56	11°31	9°52	7° 1	0°15	S 25
M26	8 22 26	6°16'20	2≈ 4	12°42	0° 4	8°29	9°30	21°42	21°22	28°16	1°55	11°22	9°49	7° 8	0°19	M26
T 27	8 26 22	7°17'22	14° 7	13°18	29≈51	9° 8	9°40	21°46	21°26	28°18	1°54	11°12	9°45	7°15	0°23	T 27
W28	8 30 19	8°18'23	26° 4	13°59	29°36	9°47	9°50	21°49	21°29	28°21	1°53	11° 0	9°42	7°21	0°27	W28
T 29	8 34 15	9°19'24	7 ∺ 58	14°44	29°18	10°26	9°59	21°52	21°32	28°23	1°52	10°48	9°39	7°28	0°31	T 29
F 30	8 38 12	10°20'23	19°49	15°33	28°58	11° 5	10° 9	21°56	21°36	28°25	1°51	10°37	9°36	7°35	0°35	F 30
S 31	8 42 9	11≈21'22	1 Υ 40	16 ට 26	28≈35	11 ∡ 744	10 ∡ 18	21 M 59	21 る 39	28 궁 27	1950	10 ∡ 28	9 , ₹33	7 ∺ 42	0 ∺ 39	S 31

Day	0	D	ğ	Q	a	7	2	ŀ	ħ	ì.) _į	β(¥		В		n	v	Ç	Š.
	decl	decl lat	decl la	it decl l	at decl	lat	decl	lat	decl	lat	decl	lat	decl lat	t	decl lat		decl	decl	decl	decl lat
T 1 F 2 S 3	22 s59 22 53 22 48	2 27 5 13	20 14 (0n 8 13 s55 0 26 13 34 0 45 13 13	0s12 17s43 0 3 17 53 0n 7 18 3	0 37	20 s20 20 22 20 24	0 47	15 s34 15 35 15 37	2 12	22 s22 22 22 22 21	0 26	20 13 0	28	17n16 6 17 16 6 17 16 6	8 2		22 s 5 22 5 22 5	5s 9 5 6 5 4	6s27 5n46 6 27 5 46 6 26 5 46
S 4 M 5 T 6 W 7 T 8 F 9	22 28 22 21 22 13 22 5	10 43 4 16 14 37 3 32 17 57 2 37 20 31 1 32 22 2 0 21	19 25 19 17 19 12 19 8	1 43 12 10 2 1 11 50 2 19 11 30 2 35 11 10	0 17 18 14 0 27 18 24 0 37 18 33 0 48 18 43 0 59 18 53 1 10 19 2	0 35 0 35 0 34 0 34 0 33	20 26 20 28 20 30 20 32 20 34 20 36	0 47 0 47 0 47 0 47 0 47	15 42 15 43 15 44	2 12 2 12 2 13 2 13 2 13	22 21 22 20 22 20 22 19 22 19 22 18	0 26 0 26 0 26 0 26 0 26	20 12 0 20 11 0 20 11 0 20 10 0 20 10 0	0 28 0 28 0 28 0 28 0 28 0 28	17 16 6 17 16 6 17 16 6 17 16 6 17 16 6 17 16 6	8 2 8 2 8 2 8 2 8 2	22 14 22 14 22 14 22 15 22 15	22 3 22 3 22 2 22 2	5 1 4 59 4 56 4 54 4 51 4 49	6 25 5 45 6 24 5 45 6 23 5 45 6 22 5 44 6 22 5 44 6 21 5 44
S 10 S 11 M12 T 13 W14 T 15 F 16 S 17	21 56 21 47 21 37 21 27 21 17 21 6 20 55 20 43	21 7 2 8 18 31 3 16 14 41 4 11 9 53 4 49 4 31 5 7 1s 3 5 5	19 6 19 7 19 9 19 13 19 18 19 24	2 49 10 50 3 1 10 31 3 10 10 12 3 17 9 54 3 21 9 36 3 23 9 18 3 22 9 1 3 20 8 44	1 22 19 11 1 34 19 20 1 46 19 29 1 58 19 38 2 11 19 47 2 24 19 56 2 37 20 4 2 51 20 12	0 32 0 31 0 31 0 30 0 30 0 29	20 38 20 40 20 42 20 43 20 45 20 47 20 49 20 50	0 47 0 47 0 47 0 47 0 47 0 47	15 48 15 49 15 50	2 13 2 13 2 14 2 14 2 14 2 14	22 15 22 15	0 26 0 26 0 26 0 26 0 26 0 26	20 9 0 20 9 0 20 8 0 20 8 0 20 7 0 20 7 0	0 28 0 27 0 27 0 27 0 27 0 27 0 27	17 17 6 17 17 6 17 17 6 17 17 6 17 17 6 17 17 6 17 17 6 17 17 6 17 17 6	7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2	22 13 22 12 22 11 22 10	22 1 22 1 22 0 22 0	4 46 4 44 4 41 4 39 4 36 4 34 4 31 4 29	6 20 5 44 6 19 5 43 6 18 5 43 6 17 5 43 6 16 5 42 6 15 5 42 6 14 5 42 6 13 5 42
S 18 M19 T 20 W21 T 22 F 23 S 24	20 6 19 53 19 39 19 25	15 35 3 12 18 53 2 11 21 7 1 4 22 12 0n 5 22 8 1 12	19 45 19 53 20 1 20 10 20 18	3 16 8 28 3 10 8 13 3 4 7 58 2 56 7 44 2 47 7 31 2 38 7 18 2 28 7 6	3 5 20 20 3 19 20 28 3 33 20 36 3 47 20 44 4 1 20 51 4 16 20 59 4 31 21 6	0 27 0 27 0 26		0 47 0 47 0 47 0 47 0 47		2 15 2 15 2 15 2 15 2 15 2 15	22 13 22 13 22 12 22 12 22 11 22 11 22 10	0 26 0 26 0 26 0 26 0 26	20 6 0 20 5 0 20 5 0 20 4 0 20 4 0	0 27 0 27 0 27 0 27 0 27 0 27	17 18 6 17 18 6	6 2 6 2 6 2 6 2	22 10 22 10 22 10 22 10 22 10	21 58 21 57 21 57 21 56 21 56 21 55 21 55	4 26 4 24 4 21 4 19 4 16 4 14 4 11	6 12 5 42 6 10 5 41 6 9 5 41 6 8 5 41 6 7 5 41 6 6 5 40 6 5 5 40
S 25 M26 T 27 W28 T 29 F 30 S 31		15 51 3 56 12 15 4 31 8 12 4 54 3 53 5 3 0n34 5 0	20 41 2 20 48 20 55 21 1 21 6	2 18 6 55 2 8 6 45 1 57 6 36 1 47 6 27 1 36 6 20 1 26 6 14 1n15 6s 8	4 45 21 13 5 0 21 20 5 15 21 26 5 29 21 33 5 43 21 39 5 58 21 45 6n11 21 s51		21 5 21 6 21 7	0 47 0 47 0 47 0 47 0 47	16 1 16 1	2 16 2 16 2 16 2 17	22 9 22 8 22 8 22 7	0 26 0 26 0 26 0 26 0 26	20 3 0 20 2 0 20 2 0 20 1 0 20 1 0	0 27 0 27 0 27 0 27 0 27 0 27	17 18 6 17 19 6 17 19 6 17 19 6 17 19 6 17 19 6 17 19 6	6 2 5 2 5 2 5 2 5 2	22 6 22 4 22 3 22 1	21 55 21 54 21 54 21 53 21 53 21 52 21 s52	4 9 4 6 4 4 4 1 3 59 3 56 3 s54	6 4 5 40 6 2 5 40 6 1 5 40 6 0 5 40 5 59 5 39 5 58 5 39 5 s56 5 s39

Julian Day Number = 2510349.5, Delta T = 129.53 sec Ecliptic obliquity = 23°25'03, Nutation = 0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°59'24, Lahiri = 26°06'25

FEBRUARY 2161 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	v	Ω	Ç	ę,	Day
S 1	8 46 5	12≈22'19	13 Y 34	17る22	28°R11	12 × 23	10 ∡ 28	22 M 1	21 ට 43	28 궁 30	1°R49	10°R21	9 ∡ 730	7) (48	0)(43	S 1
M 2	8 50 2	13°23'15	25°36	18°21	27≈44	13° 2	10°37	22° 4	21°46	28°32	19548	10 × 17	9°26	7°55	0°47	M 2
T 3	8 53 58	14°24'10	7 8 48	19°23	27°15	13°41	10°46	22° 7	21°49	28°34	1°47	10°15	9°23	8° 2	0°51	T 3
W 4	8 57 55	15°25'03	20°17	20°28	26°44	14°20	10°55	22°10	21°53	28°36	1°47	10°D15	9°20	8° 9	0°56	W 4
T 5	9 1 51	16°25'55	3 II 8	21°34	26°12	14°59	11° 4	22°12	21°56	28°38	1°46	10°16	9°17	8°15	1° 0	T 5
F 6	9 5 48	17°26'46	16°24	22°43	25°38	15°38	11°13	22°15	21°59	28°41	1°45	10°R16	9°14	8°22	1° 4	F 6
S 7	9 9 44	18°27'36	099 9	23°54	25° 3	16°17	11°21	22°17	22° 3	28°43	1°44	10°14	9°11	8°29	1° 8	S 7
S 8	9 13 41	19°28'24	14°25	25° 7	24°27	16°56	11°30	22°19	22° 6	28°45	1°43	10°10	9° 7	8°35	1°12	S 8
M 9	9 17 38	20°29'11	29° 7	26°22	23°51	17°35	11°38	22°22	22° 9	28°47	1°43	10° 3	9° 4	8°42	1°16	M 9
T 10	9 21 34	21°29'56	14 Ω 12	27°38	23°13	18°14	11°47	22°24	22°13	28°49	1°42	9°54	9° 1	8°49	1°20	T 10
W11	9 25 31	22°30'40	29°30	28°55	22°36	18°52	11°55	22°26	22°16	28°51	1°41	9°44	8°58	8°56	1°25	W11
T 12	9 29 27	23°31'23	14 M)48	0≈14	21°59	19°31	12° 3	22°28	22°19	28°53	1°41	9°33	8°55	9° 2	1°29	T 12
F 13	9 33 24	24°32'04	29°56	1°35	21°22	20°10	12°11	22°29	22°22	28°56	1°40	9°23	8°51	9° 9	1°33	F 13
S 14	9 37 20	25°32'45	14 ≏ 45	2°56	20°45	20°49	12°18	22°31	22°25	28°58	1°39	9°15	8°48	9°16	1°37	S 14
S 15	9 41 17	26°33'24	29° 8	4°19	20° 9	21°28	12°26	22°33	22°28	29° 0	1°39	9°10	8°45	9°23	1°41	S 15
M16	9 45 13	27°34'02	13 M 4	5°43	19°35	22° 7	12°33	22°34	22°31	29° 2	1°38	9° 8	8°42	9°29	1°46	M16
T 17	9 49 10	28°34'40	26°32	7° 8	19° 2	22°46	12°41	22°35	22°35	29° 4	1°37	9°D 7	8°39	9°36	1°50	T 17
W18	9 53 7	29°35'16	9 ∡ ³35	8°34	18°30	23°25	12°48	22°37	22°38	29° 6	1°37	9°R 7	8°36	9°43	1°54	W18
T 19	9 57 3	0) 35′51	22°18	10° 1	17°59	24° 4	12°55	22°38	22°41	29° 8	1°36	9° 6	8°32	9°49	1°58	T 19
F 20	10 1 0	1°36'24	4 ⋜ 45	11°29	17°31	24°43	13° 2	22°39	22°44	29°10	1°36	9° 4	8°29	9°56	2° 2	F 20
S 21	10 4 56	2°36'57	16°59	12°58	17° 5	25°22	13° 9	22°40	22°47	29°12	1°35	8°59	8°26	10° 3	2° 7	S 21
S 22	10 8 53	3°37'28	29° 4	14°29	16°40	26° 1	13°15	22°41	22°49	29°14	1°35	8°51	8°23	10°10	2°11	S 22
M23	10 12 49	4°37'58	11≈ 4	16° 0	16°18	26°40	13°22	22°41	22°52	29°16	1°34	8°40	8°20	10°16	2°15	M23
T 24	10 16 46	5°38'26	22°59	17°32	15°59	27°19	13°28	22°42	22°55	29°18	1°34	8°27	8°17	10°23	2°19	T 24
W25	10 20 42	6°38'52	4) €52	19° 5	15°41	27°58	13°34	22°43	22°58	29°20	1°33	8°12	8°13	10°30	2°23	W25
T 26	10 24 39	7°39'17	16°44	20°39	15°26	28°36	13°40	22°43	23° 1	29°22	1°33	7°57	8°10	10°36	2°28	T 26
F 27	10 28 36	8°39'40	28°36	22°14	15°14	29°15	13°46	22°43	23° 4	29°23	1°33	7°43	8° 7	10°43	2°32	F 27
S 28	10 32 32	9) 40'02	10 Y 30	23≈50	15 ≈ 4	29 × 754	13 × 752	22 M 44	23 る 6	29 궁 25	19532	7 . ₹30	8 才 4	10 ∺ 50	2) 36	S 28

Day	0	D	ğ	Ф	♂	4		ħ) ₁	(¥		Р		n	Ω	Ç	ď	
	decl	decl lat	decl lat	decl lat	decl lat	decl lat		decl	lat	decl	lat	decl l	at	decl	lat	decl	decl	decl	decl	lat
S 1	17s 4	9n16 4n15	21 s 13 1n 5	6s 4 6n25 2	s57 0n18	3 21 s13 Or	148 1 <i>6</i>	6s 3	2n17	22 s 6	0 s 2 6	20s 0	0n27	17n20	6s 5	21 s59	21 s51	3 s 5 1	5 s 5 5	5n39
M 2	16 47	13 13 3 34	21 16 0 55	6 1 6 38 2	3 0 18	3 21 14 0	48 16	6 4	2 17	22 5	0 26	19 59	0 27	17 20	6 5	21 58	21 51	3 49	5 54	5 39
T 3	16 30	16 41 2 44	21 17 0 45	5 59 6 51 2	8 0 17	7 21 15 0	48 16	6 4	2 17	22 5	0 26	19 59	0 27	17 20	6 5	21 58	21 50	3 46	5 53	5 39
W 4	16 12	19 29 1 44	21 17 0 35	5 58 7 3 2	14 0 10	5 21 16 0	48 16	6 4	2 18	22 4	0 26	19 59	0 27	17 20	6 4	21 58	21 50	3 44	5 51	5 38
T 5	15 54	21 23 0 38	3 21 17 0 25	5 57 7 14 2	19 0 13	5 21 18 0	48 16	6 5	2 18	22 4	0 26	19 58	0 27	17 20	6 4	21 58	21 49	3 41	5 50	5 38
F 6	15 35	22 11 0s33	21 15 0 16	5 58 7 25 2	24 0 15	5 21 19 0	48 16	6 5	2 18	22 3	0 26	19 58	0 27	17 20	6 4	21 58	21 49	3 39	5 49	5 38
S 7	15 17	21 41 1 44	21 12 0 7	6 0 7 35 2	29 0 14	1 21 20 0	48 16	6 6	2 18	22 3	0 26	19 57	0 27	17 20	6 4	21 58	21 48	3 36	5 47	5 38
S 8	14 58	19 49 2 51	21 8 0s 2	6 3 7 44 2	33 0 13	3 21 21 0	48 16	6 6	2 18	22 2	0 26	19 57	0 27	17 21	6 4	21 57	21 48	3 34	5 46	5 38
M 9	14 39	16 35 3 49	21 3 0 11	6 7 7 53 2	38 0 12	2 21 22 0	48 16	6 7	2 19	22 2	0 26	19 56	0 27	17 21	6 4	21 56	21 47	3 31	5 45	5 38
T 10	14 19	12 13 4 32	2 20 56 0 20	6 11 8 0 2	42 0 12	2 21 23 0	48 16	6 7	2 19	22 1	0 26	19 56	0 27	17 21	6 3	21 55	21 47	3 29	5 43	5 38
W11	14 0	7 0 4 57	20 49 0 28	6 17 8 7 2	46 0 1	21 24 0	48 16	6 7	2 19	22 1	0 26	19 56	0 27	17 21	6 3	21 53	21 46	3 26	5 42	5 38
T 12	13 40	1 22 5 0	20 40 0 36	6 23 8 13 2	50 0 10	21 25 0	48 16	6 7	2 19	22 0	0 26	19 55	0 27	17 21	6 3	21 52	21 46	3 24	5 41	5 38
F 13	13 20	4s18 4 42	2 20 30 0 43	6 30 8 18 2	54 0 9	21 26 0	48 16	6 8	2 19	22 0	0 26	19 55	0 27	17 21	6 3	21 50	21 45	3 21	5 39	5 37
S 14	13 0	9 35 4 6	20 19 0 51	6 37 8 22 2	58 0 8	3 21 27 0	48 16	6 8	2 20	21 59	0 26	19 54	0 27	17 22	6 3	21 49	21 45	3 19	5 38	5 37
S 15	12 39	14 11 3 15	20 6 0 58	6 46 8 25 2	1 0	21 28 0	48 16	6 8	2 20	21 59	0 26	19 54	0 27	17 22	6 3	21 48	21 44	3 17	5 36	5 37
M16	12 18	17 52 2 13	19 52 1 5	6 54 8 26 2	4 0	7 21 29 0	48 16	6 8	2 20	21 58	0 26	19 53	0 27	17 22	6 2	21 48	21 44	3 14	5 35	5 37
T 17	11 57	20 26 1 6	5 19 37 1 11	7 3 8 27 2	7 0 6	5 21 30 0	48 16	6 8	2 20	21 58	0 26	19 53	0 27	17 22	6 2	21 48	21 43	3 12	5 34	5 37
W18	11 36	21 50 On 2	2 19 21 1 17	7 13 8 28 2	10 0 3	5 21 31 0	48 16	6 8	2 21	21 57	0 26	19 53	0 27	17 22	6 2	21 48	21 43	3 9	5 32	5 37
T 19	11 15	22 3 1 9	19 3 1 23	7 22 8 27 2	13 0 4	1 21 32 0	48 16	6 9	2 21	21 57	0 26	19 52	0 27	17 23	6 2	21 48	21 42	3 7	5 31	5 37
F 20	10 54	21 9 2 11	18 45 1 29	7 32 8 25 2	16 0 3	3 21 32 0	48 16	6 9	2 21	21 56	0 26	19 52	0 27	17 23	6 2	21 47	21 42	3 4	5 29	5 37
S 21	10 32	19 16 3 6	5 18 25 1 34	7 42 8 23 2	18 0 2	2 21 33 0	49 16	6 9	2 21	21 56	0 26	19 51	0 27	17 23	6 2	21 47	21 41	3 2	5 28	5 37
S 22	10 10	16 33 3 51	18 3 1 39	7 52 8 19 2	20 0	21 34 0	49 16	6 9	2 21	21 55	0 26	19 51	0 27	17 23	6 1	21 45	21 41	2 59	5 26	5 37
M23	9 48	13 10 4 26	17 41 1 44	8 3 8 15 2	22 0 0	21 35 0	49 16	6 9	2 22	21 55	0 26	19 51	0 27	17 23	6 1	21 44	21 40	2 57	5 25	5 37
T 24	9 26	9 18 4 48	3 17 17 1 48	8 13 8 11 2	24 0s (21 35 0	49 16	6 9	2 22	21 54	0 26	19 50	0 27	17 23	6 1	21 42	21 40	2 54	5 24	5 37
W25	9 4	5 5 4 59	16 51 1 52	8 23 8 6 2	26 0	21 36 0	49 16	6 9	2 22	21 54	0 26	19 50	0 27	17 24	6 1	21 39	21 39	2 52	5 22	5 37
T 26	8 41	0 41 4 56	6 16 25 1 55	8 33 8 0 2	27 0 2	2 21 37 0	49 16	6 8	2 22	21 54	0 26	19 49	0 27	17 24	6 1	21 37	21 39	2 49	5 21	5 37
F 27	8 19	3n44 4 40	15 57 1 59	8 42 7 53 2	28 0 3	3 21 37 0	49 16	6 8		21 53	0 27	19 49	0 27	17 24	6 1	21 35	21 38	2 47	5 19	5 37
S 28	7 s56	8n 1 4n12	2 15 s28 2 s 1	8 s 5 2 7 n 4 6 2	s29 0s 4	1 21 s38 Or	149 16	6s 8	2n23	21 s53	0s27	19 s49	0n27	17n24	6s 0	21 s33	21 s38	2 s44	5 s 1 8	5n37

Julian Day Number = 2510380.5, Delta T = 129.59 sec Ecliptic obliquity = 23°25′03, Nutation = 0°00′18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°59′28, Lahiri = 26°06′29

MARCH 2161 00:00 UT

		_														
Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)∤(¥	Р	រា	ນ	Ç	ķ	Day
S 1	10 36 29	10) (40'21	22 Y 28	25≈27	14°R56	0 ට 33	13 × 757	22 M .44	23る 9	29る27	1°R32	7°R21	8 × 7 1	10) 57	2) (40	S 1
M 2	10 40 25	11°40'39	4 8 32	27° 6	14≈51	1°12	14° 3	22°R44	23°12	29°29	1932	7 ₹ 15	7°57	11° 3	2°44	M 2
T 3	10 44 22	12°40'55	16°46	28°45	14°48	1°51	14° 8	22°44	23°14	29°31	1°31	7°11	7°54	11°10	2°49	T 3
W 4	10 48 18	13°41'09	29°13	0 ∺ 25	14°D48	2°29	14°13	22°44	23°17	29°32	1°31	7°10	7°51	11°17	2°53	W 4
T 5	10 52 15	14°41'20	11 II 59	2° 6	14°50	3° 8	14°18	22°43	23°19	29°34	1°31	7°10	7°48	11°24	2°57	T 5
F 6	10 56 11	15°41'30	25° 8	3°48	14°54	3°47	14°22	22°43	23°22	29°36	1°31	7°10	7°45	11°30	3° 1	F 6
S 7	11 0 8	16°41'38	89643	5°31	15° 1	4°26	14°27	22°42	23°24	29°38	1°30	7° 8	7°42	11°37	3° 5	S 7
S 8	11 4 4	17°41'44	22°47	7°16	15°10	5° 5	14°31	22°42	23°27	29°39	1°30	7° 4	7°38	11°44	3° 9	S 8
M 9	11 8 1	18°41'47	$7\Omega_{20}$	9° 1	15°21	5°43	14°36	22°41	23°29	29°41	1°30	6°58	7°35	11°50	3°13	M 9
T 10	11 11 58	19°41'48	22°17	10°48	15°35	6°22	14°40	22°40	23°32	29°43	1°30	6°49	7°32	11°57	3°17	T 10
W11	11 15 54	20°41'48	7 m 32	12°35	15°50	7° 1	14°44	22°39	23°34	29°44	1°30	6°39	7°29	12° 4	3°21	W11
T 12	11 19 51	21°41'45	22°53	14°24	16° 7	7°39	14°47	22°38	23°36	29°46	1°30	6°28	7°26	12°11	3°26	T 12
F 13	11 23 47	22°41'40	8 亞 10	16°14	16°27	8°18	14°51	22°37	23°39	29°47	1°30	6°18	7°22	12°17	3°30	F 13
S 14	11 27 44	23°41'34	23°10	18° 5	16°48	8°57	14°54	22°36	23°41	29°49	1°30	6°10	7°19	12°24	3°34	S 14
S 15	11 31 40	24°41'26	7 M .46	19°57	17°11	9°35	14°57	22°35	23°43	29°50	1°D30	6° 4	7°16	12°31	3°38	S 15
M16	11 35 37	25°41'16	21°54	21°50	17°36	10°14	15° 0	22°34	23°45	29°52	1°30	6° 1	7°13	12°37	3°42	M16
T 17	11 39 33	26°41'04	5 ₹ 32	23°45	18° 2	10°53	15° 3	22°32	23°47	29°53	1°30	6°D 1	7°10	12°44	3°45	T 17
W18	11 43 30	27°40'51	18°42	25°40	18°31	11°31	15° 6	22°30	23°49	29°55	1°30	6° 1	7° 7	12°51	3°49	W18
T 19	11 47 27	28°40'37	1 云 28	27°36	19° 0	12°10	15° 8	22°29	23°51	29°56	1°30	6°R 1	7° 3	12°58	3°53	T 19
F 20	11 51 23	29°40'20	13°54	29°34	19°32	12°48	15°10	22°27	23°53	29°58	1°30	6° 0	7° 0	13° 4	3°57	F 20
S 21	11 55 20	0 Υ 40'02	26° 5	1 Y 32	20° 4	13°27	15°13	22°25	23°55	29°59	1°30	5°57	6°57	13°11	4° 1	S 21
S 22	11 59 16	1°39'42	8≈ 6	3°31	20°38	14° 5	15°14	22°23	23°57	0≈ 0	1°30	5°51	6°54	13°18	4° 5	S 22
M23	12 3 13	2°39'20	20° 1	5°31	21°14	14°44	15°16	22°21	23°59	0° 2	1°30	5°43	6°51	13°25	4° 9	M23
T 24	12 7 9	3°38'57	1 ₩52	7°32	21°51	15°22	15°18	22°19	24° 0	0° 3	1°30	5°33	6°48	13°31	4°13	T 24
W25	12 11 6	4°38'31	13°44	9°33	22°29	16° 1	15°19	22°17	24° 2	0° 4	1°31	5°21	6°44	13°38	4°16	W25
T 26	12 15 2	5°38'04	25°36	11°34	23° 8	16°39	15°20	22°14	24° 4	0° 5	1°31	5° 9	6°41	13°45	4°20	T 26
F 27	12 18 59	6°37'34	7 Υ 32	13°35	23°48	17°18	15°21	22°12	24° 6	0° 6	1°31	4°57	6°38	13°51	4°24	F 27
S 28	12 22 56	7°37'03	19°32	15°36	24°29	17°56	15°22	22°10	24° 7	0° 8	1°31	4°48	6°35	13°58	4°27	S 28
S 29	12 26 52	8°36'29	1838	17°37	25°12	18°34	15°23	22° 7	24° 9	0° 9	1°32	4°40	6°32	14° 5	4°31	S 29
M30	12 30 49	9°35'54	13°52	19°37	25°55	19°13	15°23	22° 4	24°10	0°10	1°32	4°36	6°28	14°12	4°35	M30
T 31	12 34 45	10 Y 35'16	26815	21 Y 35	26≈39	19 る 51	15 × ⁷ 23	22M 2	24 궁 12	0≈11	1932	4 ₹ 33	6 ₹ 25	14) (18	4) (38	T 31

Day	0	D	ğ	ç)	3	24	-	ħ	ì.)į	j(并		Р	n	v	Ç	ķ	
	decl	decl lat	decl la	at decl	lat decl	lat	decl	lat	decl	lat	decl	lat	decl lat	de	cl lat	decl	decl	decl	decl l	at
S 1 M 2		15 35 2 43	14 26	2s 4 9s 1 2 6 9 10	7n39 23 s30 7 31 23 31	0 6	21 s39 21 39	0n49 0 49	16 8	2 23	21 s52 21 52	0 27	19 48 0	27 17n2 27 17 2	24 6 0	21 s31 21 30	21 37	2 s42 2 39	5 15	5n37 5 37
T 3 W 4 T 5		18 31 1 46 20 39 0 42 21 47 0s26	13 20	2 8 9 18 2 9 9 27 2 10 9 34	7 23 23 32 7 15 23 32 7 6 23 32	0 8	21 40 21 40 21 41	0 49 0 49 0 49		2 23	21 51 21 51 21 51	0 27 0 27 0 27	19 47 0		25 6 0	21 29	21 36 21 36 21 35	2 37 2 34 2 32	5 13 5 12 5 10	5 37 5 37 5 37
F 6 S 7	5 38 5 15			2 10 9 42 2 10 9 49	6 57 23 32 6 48 23 32	0 10 0 11	21 41 21 42	0 49 0 49	16 7 16 6		21 50 21 50			27 17 2 27 17 2			21 35 21 34	2 29 2 27	5 9 5 7	5 37 5 37
S 8 M 9 T 10	4 52 4 28 4 5		10 10	2 10 9 55 2 9 10 1 2 8 10 6	6 38 23 32 6 29 23 31 6 19 23 30	0 14	21 42 21 42 21 43	0 49 0 50 0 50	16 6	2 24	21 49 21 49 21 49	0 27	19 45 0	27 17 2 27 17 2 27 17 2	26 5 59	21 27	21 34 21 33 21 33	2 24 2 22 2 20	5 6 5 4 5 3	5 37 5 37 5 37
W11 T 12 F 13	3 41 3 17 2 54	4 5 5 1 1 s 3 6 4 4 9 7 9 4 1 6	8 46 8 2	2 6 10 11 2 3 10 16 2 1 10 20	6 9 23 30 5 59 23 29 5 50 23 27	0 16 0 17	21 43 21 44 21 44	0 50 0 50 0 50	16 5 16 5	2 25 2 25	21 48	0 27	19 45 0 19 44 0	27 17 2 27 17 2 27 17 2 27 17 2	26 5 58 26 5 58		21 32 21 32	2 17 2 15 2 12	5 1 5 0 4 58	5 37 5 37 5 37
S 14 S 15 M16	2 6	16 21 2 24	5 43	1 57 10 23 1 54 10 26	5 40 23 26 5 30 23 24 5 30 23 23	0 20	21 44 21 45	0 50	16 3	2 26	21 47 21 47	0 27 0 27	19 43 0	27 17 2 27 17 2	27 5 58		21 30	2 10	4 57 4 55	5 37 5 37
T 17 W18 T 19	1 43 1 19 0 55 0 32	21 50 ln 7		1 49 10 28 1 44 10 29 1 39 10 30 1 33 10 31	5 20 23 23 5 10 23 21 5 0 23 19 4 50 23 17	0 24	21 45 21 45	0 50 0 50 0 50 0 50	16 2 16 1	2 26 2 26	21 46 21 46	0 27 0 27	19 43 0 19 42 0	27 17 2 27 17 2 27 17 2 27 17 2	27 5 57 27 5 57	21 17 21 17	21 29	2 5 2 2 2 0	4 54 4 53 4 51	5 37 5 37 5 37 5 37
F 20 S 21	0 8	19 36 3 7	1 30	1 33 10 31 1 27 10 31 1 20 10 30	4 50 23 17 4 40 23 14 4 30 23 12	0 26	21 45 21 46 21 46	0 50 0 50 0 50	16 0	2 27	21 45 21 45 21 45	0 27 0 27 0 27	19 42 0	27 17 2 27 17 2 27 17 2	28 5 57	21 17	21 28 21 28 21 27	1 57 1 55 1 52	4 48	5 38 5 38
S 22 M23 T 24	0 40 1 3 1 27	13 54 4 29 10 10 4 52 6 5 5 2	1 13	1 12 10 29 1 4 10 27 0 56 10 24	4 21 23 9 4 11 23 6 4 1 23 3	0 30	21 46 21 46 21 46	0 50		2 27	21 45 21 44 21 44	0 27	19 41 0	27 17 2 27 17 2 27 17 2	28 5 56		21 27 21 26 21 25	1 50 1 48 1 45	4 45 4 44 4 42	5 38 5 38 5 38
W25 T 26 F 27	1 51 2 14 2 38	1 47 5 0 2n36 4 44 6 55 4 16	4 0	0 46 10 21 0 37 10 17 0 27 10 13	3 52 23 0 3 42 22 56 3 33 22 53	0 34	21 46 21 46 21 46	0 51	15 56	2 28	21 44 21 43 21 43	0 27	19 40 0	27 17 2 27 17 2 27 17 2	29 5 56	21 8	21 25 21 24 21 24	1 43 1 40 1 38	4 41 4 39 4 38	5 38 5 38 5 38
S 28 S 29			6 49	0 16 10 8 0 6 10 3	3 24 22 49 3 15 22 45	0 38	21 46 21 46	0 51	15 54 15 54	2 28	21 43 21 43	0 27	19 39 0	27 17 2 27 17 2	29 5 55	21 3	21 23 21 23	1 35	4 36	5 38 5 39
M30 T 31		17 43 1 49 20n 1 0n44		0n 6 9 57 0n17 9s51	3 6 22 41 2n57 22 s37		21 46 21 s46		15 53 15 s52		21 42 21 s42			27 17 3 27 17n3			21 22 21 s22	1 30 1 s28	-	5 39 5n39

Julian Day Number = 2510408.5, Delta T = 129.65 sec Ecliptic obliquity = 23°25'03, Nutation = $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}59'32$, Lahiri = $26^{\circ}06'33$

APRIL 2161 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	24	ħ)∤(卉	Р	n	v	Ç	ę,	Day
W 1	12 38 42	11 Y 34'36	8П50	23 Y 32	27≈25	20 궁 29	15°R23	21°R59	24 궁 13	0≈12	1933	4°D33	6 ₹ 22	14) 25	4) (42	W 1
T 2	12 42 38	12°33'54	21°40	25°27	28°11	21° 7	15 × 23	21 M 56	24°14	0°13	1°33	4 ₹ 34	6°19	14°32	4°45	T 2
F 3	12 46 35	13°33'09	49549	27°20	28°58	21°45	15°23	21°53	24°16	0°14	1°33	4°35	6°16	14°38	4°49	F 3
S 4	12 50 31	14°32'23	18°19	29°10	29°46	22°23	15°22	21°50	24°17	0°15	1°34	4°R35	6°13	14°45	4°52	S 4
S 5	12 54 28	15°31'33	2Ω13	0 8 57	0) €34	23° 2	15°21	21°47	24°18	0°16	1°34	4°34	6° 9	14°52	4°56	S 5
M 6	12 58 25	16°30'42	16°30	2°40	1°24	23°40	15°21	21°44	24°19	0°17	1°35	4°31	6° 6	14°59	4°59	M 6
T 7	13 221	17°29'48	1 m p 10	4°20	2°14	24°18	15°19	21°40	24°20	0°17	1°35	4°26	6° 3	15° 5	5° 3	T 7
W 8	13 6 18	18°28'52	16° 6	5°55	3° 4	24°55	15°18	21°37	24°21	0°18	1°36	4°19	6° 0	15°12	5° 6	W 8
T 9	13 10 14	19°27'53	1 ≏ 12	7°26	3°56	25°33	15°17	21°34	24°22	0°19	1°36	4°12	5°57	15°19	5° 9	T 9
F 10	13 14 11	20°26'53	16°17	8°52	4°48	26°11	15°15	21°30	24°23	0°20	1°37	4° 6	5°54	15°26	5°12	F 10
S 11	13 18 7	21°25'50	1 m 11	10°13	5°41	26°49	15°13	21°26	24°24	0°20	1°38	4° 1	5°50	15°32	5°16	S 11
S 12	13 22 4	22°24'46	15°48	11°29	6°34	27°27	15°11	21°23	24°25	0°21	1°38	3°57	5°47	15°39	5°19	S 12
M13	13 26 0	23°23'40	29°59	12°39	7°28	28° 5	15° 9	21°19	24°26	0°22	1°39	3°D56	5°44	15°46	5°22	M13
T 14	13 29 57	24°22'32	13 ~ 144	13°44	8°23	28°42	15° 7	21°16	24°27	0°22	1°39	3°56	5°41	15°52	5°25	T 14
W15	13 33 53	25°21'22	27° 2	14°43	9°18	29°20	15° 4	21°12	24°27	0°23	1°40	3°58	5°38	15°59	5°28	W15
T 16	13 37 50	26°20'10	9 궁 54	15°35	10°13	29°58	15° 1	21° 8	24°28	0°24	1°41	3°59	5°34	16° 6	5°31	T 16
F 17	13 41 47	27°18'57	22°25	16°22	11° 9	0≈35	14°58	21° 4	24°29	0°24	1°41	4°R 0	5°31	16°13	5°34	F 17
S 18	13 45 43	28°17'42	4≈40	17° 3	12° 6	1°13	14°55	21° 0	24°29	0°25	1°42	4° 0	5°28	16°19	5°37	S 18
S 19	13 49 40	29°16'25	16°42	17°37	13° 3	1°50	14°52	20°56	24°30	0°25	1°43	3°58	5°25	16°26	5°40	S 19
M20	13 53 36	0 8 15'07	28°37	18° 5	14° 0	2°28	14°49	20°52	24°30	0°25	1°44	3°55	5°22	16°33	5°43	M20
T 21	13 57 33	1°13'47	10) €28	18°27	14°58	3° 5	14°45	20°48	24°31	0°26	1°44	3°51	5°19	16°39	5°45	T 21
W22	14 1 29	2°12'25	22°20	18°43	15°57	3°42	14°41	20°44	24°31	0°26	1°45	3°46	5°15	16°46	5°48	W22
T 23	14 5 26	3°11'01	4 Υ 15	18°53	16°55	4°19	14°37	20°40	24°31	0°26	1°46	3°40	5°12	16°53	5°51	T 23
F 24	14 9 22	4° 9'36	16°16	18°R57	17°54	4°57	14°33	20°35	24°32	0°27	1°47	3°35	5° 9	17° 0	5°54	F 24
S 25	14 13 19	5° 8'09	28°25	18°55	18°54	5°34	14°29	20°31	24°32	0°27	1°48	3°30	5° 6	17° 6	5°56	S 25
S 26	14 17 16	6° 6'40	10843	18°47	19°54	6°11	14°24	20°27	24°32	0°27	1°49	3°27	5° 3	17°13	5°59	S 26
M27	14 21 12	7° 5'09	23°11	18°34	20°54	6°48	14°20	20°23	24°32	0°27	1°50	3°25	4°59	17°20	6° 1	M27
T 28	14 25 9	8° 3'36	5 Ⅱ 50	18°17	21°54	7°25	14°15	20°18	24°R32	0°28	1°50	3°D25	4°56	17°27	6° 4	T 28
W29	14 29 5	9° 2'01	18°42	17°54	22°55	8° 1	14°10	20°14	24°32	0°28	1°51	3°26	4°53	17°33	6° 6	W29
T 30	14 33 2	108 0'25	19548	17 8 28	23 米 56	8≈38	14 ₹ 5	20 M 9	24 る 32	0≈28	1952	3 ∡ 27	4 ₹ 50	17)(40	6 ∺ 8	T 30

Day	0	D		ğ		ρ		♂		2	ļ.	ŧ	1)į	β(4	(Е)	R	Ω	ţ	ď	
	decl	decl lat	d	lecl la	ıt	decl	at	lecl la	ıt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4n34	21n22 0	s23 91	n34	0n29	9 s44	2n48 22	s33	0 s42	21 s46	0n51	15 s 5 1	2n29	21 s42	0 s27	19s39	0n27	17n30	5 s 5 4	21 s 2	21 s21	1 s25	4 s 3 1	5n39
T 2	4 58	21 39 1	31 10	28	0 40	9 36	2 39 22	28	0 43	21 46	0 51	15 50	2 29	21 42	0 27	19 39	0 27	17 30	5 54	21 2	21 21	1 23	4 29	5 39
F 3	5 21	20 44 2	35 11	20	0 52	9 28	2 31 22	24	0 45	21 46	0 51	15 49	2 29	21 42	0 27	19 38	0 27	17 30	5 54	21 2	21 20	1 21	4 28	5 39
S 4	5 44	18 39 3	33 12	10	1 4	9 20	2 22 22	19	0 46	21 46	0 51	15 48	2 29	21 41	0 27	19 38	0 27	17 31	5 54	21 2	21 19	1 18	4 27	5 40
S 5	6 6	15 25 4	20 12	58	1 16	9 10	2 14 22	14	0 47	21 46	0 51	15 48	2 29	21 41	0 28	19 38	0 27	17 31	5 54	21 2	21 19	1 16	4 25	5 40
M 6	6 29	11 13 4	53 13	45	1 27	9 1	2 6 22	9 (0 49	21 46	0 51	15 47	2 29	21 41	0 28	19 38	0 27	17 31	5 54	21 1	21 18	1 13	4 24	5 40
T 7	6 52	6 15 5	7 14	29	1 38	8 51	1 57 22	4 (0 50	21 46	0 51	15 46	2 29	21 41	0 28	19 38	0 27	17 31	5 53	21 (21 18	1 11	4 22	5 40
W 8	7 14	0 51 5	1 15		1 49	8 40	1 49 21			21 45	0 51			21 41	0 28		0 27	17 31			21 17	1 8	4 21	5 40
T 9	7 37			-		8 29				21 45		15 44		21 41	0 28		0 27				21 17	1 6	4 20	5 40
F 10	7 59					8 17	1 34 21			21 45	0 51			21 40		19 37					21 16	1 3	4 18	5 41
S 11	8 21	14 30 2	48 17	3	2 18	8 5	1 26 21	42 (0 56	21 45	0 52	15 42	2 30	21 40	0 28	19 37	0 27	17 32	5 53	20 56	21 16	1 1	4 17	5 41
S 12	8 43		37 17		-	7 52	1 19 21			21 44		15 41		21 40		19 37					21 15	0 59	4 16	5 41
M13			21 18	-		7 39	1 11 21			21 44	0 52			21 40			0 27				21 15	0 56	4 14	5 41
T 14			n53 18		-	7 26				21 44	0 52			21 40			0 27				21 14	0 54	4 13	5 41
W15	9 48			-	-	7 12	0 57 21			21 44	0 52			21 40			0 27	17 32			21 13	0 51	4 12	5 42
T 16	10 9	20 0 0			2 50	6 57	0 50 21			21 43	0 52			21 40			0 27				21 13	0 49	4 10	5 42
F 17	10 30				2 54	6 43	0 43 21	-		21 43	0 52			21 40		19 36	0 27				21 12	0 46	4 9	5 42
S 18	10 52		32 19		2 57	6 27	0 37 20		1 7	21 42		15 34		21 40		19 36	0 27	17 33			21 12	0 44	4 8	5 42
S 19	11 12		58 19			6 12	0 30 20	-		21 42		15 33		21 40		19 36					21 11	0 41	4 7	5 43
M20	11 33		10 20	-		5 55	0 24 20			21 42		15 32		21 40		19 36	0 27				21 11	0 39	4 5	5 43
T 21	11 53	2 52 5		-	2 57	5 39	0 17 20			21 41		15 31		21 40		19 36	0 27				21 10		4 4	5 43
W22	12 14	-		-		5 22				21 41		15 30		21 39		19 36	0 27	17 34		20 53		0 34	4 3	5 43
T 23	12 34		29 20		2 51	5 5	0 5 20			21 40		15 29		21 39		19 36	0 27			20 52		0 32	4 2	5 43
F 24	12 54			-	2 46	4 47				21 40	0 52			21 39			0 27			20 51	-	0 29	4 1	5 44
S 25	13 13	13 42 3	0 19	59	2 39	4 29	0 7 20	9	1 19	21 39	0 52	15 26	2 31	21 39	0 28	19 35	0 27	17 34	5 50	20 50	21 8	0 27	3 59	5 44
S 26		16 57 2		-	2 31	4 11	0 12 20			21 39		15 25		21 39		19 35		17 34		20 50		0 25	3 58	5 44
M27			56 19			3 53	0 18 19			21 38	0 52			21 39			0 27			20 49		0 22	3 57	5 44
T 28	14 11		s13 19	22		3 34	0 23 19			21 38		15 23		21 39		19 35	0 27			20 49		0 20	3 56	5 45
W29			23 19	- 1	-	3 15				21 37		15 22		21 40		19 35	0 27	17 35		20 49	-	0 17	3 55	5 45
T 30	14n48	20n54 2	s30 181	n44	1n47	2 s 5 5	0s34 19	s31	1 s28	21 s37	0n52	15 s20	2n31	21 s40	0 s 2 8	19s35	0n27	17n35	5 s 5 0	20 s50	21 s 5	0s15	3 s54	5n45

Julian Day Number = 2510439.5, Delta T = 129.71 sec Ecliptic obliquity = $23^{\circ}25'03$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}59'37$, Lahiri = $26^{\circ}06'37$

MAY 2161 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	ស	Ω	Ç	ķ	Day
F 1	14 36 58	10858'46	1595 8	16°R57	24) 58	9≈15	14°R 0	20°R 5	24°R32	0≈28	1953	3 ₹ 29	4 ₹ 47	17) (47	6) (11	F 1
S 2	14 40 55	11°57'05	28°44	16824	26° 0	9°51	13 × 755	20 M 1	24 궁 32	0°R28	1°54	3°30	4°44	17°53	6°13	S 2
S 3	14 44 51	12°55'22	12Ω36	15°49	27° 2	10°28	13°49	19°56	24°32	0°28	1°55	3°R30	4°40	18° 0	6°15	S 3
M 4	14 48 48	13°53'37	26°45	15°12	28° 4	11° 4	13°44	19°52	24°31	0°28	1°56	3°30	4°37	18° 7	6°17	M 4
T 5	14 52 45	14°51'50	11 m) 7	14°34	29° 6	11°40	13°38	19°47	24°31	0°28	1°57	3°29	4°34	18°14	6°19	T 5
W 6	14 56 41	15°50'01	25°41	13°55	0Υ 9	12°16	13°32	19°43	24°31	0°28	1°58	3°27	4°31	18°20	6°21	W 6
T 7	15 0 38	16°48'09	10 ≏ 21	13°17	1°12	12°53	13°26	19°38	24°30	0°27	1°59	3°25	4°28	18°27	6°23	T 7
F 8	15 4 34	17°46'16	25° 1	12°40	2°15	13°29	13°20	19°34	24°30	0°27	2° 0	3°23	4°25	18°34	6°25	F 8
S 9	15 8 31	18°44'22	9 M .35	12° 5	3°19	14° 5	13°14	19°29	24°29	0°27	2° 2	3°21	4°21	18°40	6°27	S 9
S 10	15 12 27	19°42'25	23°55	11°31	4°23	14°40	13° 7	19°25	24°29	0°27	2° 3	3°20	4°18	18°47	6°29	S 10
M11	15 16 24	20°40'27	7 . ₹58	11° 1	5°27	15°16	13° 1	19°20	24°28	0°27	2° 4	3°D20	4°15	18°54	6°31	M11
T 12	15 20 20	21°38'28	21°39	10°34	6°31	15°52	12°54	19°16	24°28	0°26	2° 5	3°21	4°12	19° 1	6°33	T 12
W13	15 24 17	22°36'27	4 궁 57	10°10	7°35	16°27	12°48	19°11	24°27	0°26	2° 6	3°21	4° 9	19° 7	6°34	W13
T 14	15 28 14	23°34'24	17°52	9°51	8°40	17° 3	12°41	19° 7	24°26	0°26	2° 7	3°22	4° 5	19°14	6°36	T 14
F 15	15 32 10	24°32'21	0≈27	9°35	9°45	17°38	12°34	19° 2	24°25	0°25	2° 8	3°23	4° 2	19°21	6°38	F 15
S 16	15 36 7	25°30'16	12°45	9°24	10°50	18°13	12°27	18°58	24°25	0°25	2°10	3°24	3°59	19°27	6°39	S 16
S 17	15 40 3	26°28'09	24°51	9°18	11°55	18°48	12°20	18°53	24°24	0°24	2°11	3°R24	3°56	19°34	6°40	S 17
M18	15 44 0	27°26'02	6) €47	9°D16	13° 0	19°23	12°13	18°49	24°23	0°24	2°12	3°24	3°53	19°41	6°42	M18
T 19	15 47 56	28°23'53	18°40	9°18	14° 6	19°58	12° 6	18°44	24°22	0°23	2°13	3°24	3°50	19°48	6°43	T 19
W20	15 51 53	29°21'43	0 Υ 33	9°26	15°11	20°33	11°59	18°40	24°21	0°23	2°14	3°23	3°46	19°54	6°44	W20
T 21	15 55 49	0∏19'32	12°31	9°37	16°17	21° 7	11°51	18°36	24°20	0°22	2°16	3°23	3°43	20° 1	6°46	T 21
F 22	15 59 46	1°17'19	24°37	9°54	17°23	21°41	11°44	18°31	24°19	0°22	2°17	3°22	3°40	20° 8	6°47	F 22
S 23	16 3 43	2°15'06	6 8 54	10°14	18°29	22°16	11°36	18°27	24°17	0°21	2°18	3°22	3°37	20°14	6°48	S 23
S 24	16 7 39	3°12'51	19°24	10°39	19°36	22°50	11°29	18°23	24°16	0°20	2°20	3°D22	3°34	20°21	6°49	S 24
M25	16 11 36	4°10'35	2 II 9	11° 8	20°42	23°24	11°21	18°18	24°15	0°20	2°21	3°R22	3°31	20°28	6°50	M25
T 26	16 15 32	5° 8'18	15° 9	11°42	21°49	23°57	11°14	18°14	24°14	0°19	2°22	3°22	3°27	20°35	6°51	T 26
W27	16 19 29	6° 6'00	28°24	12°19	22°55	24°31	11° 6	18°10	24°12	0°18	2°23	3°22	3°24	20°41	6°52	W27
T 28	16 23 25	7° 3'40	11953	13° 0	24° 2	25° 4	10°59	18° 6	24°11	0°17	2°25	3°22	3°21	20°48	6°53	T 28
F 29	16 27 22	8° 1'18	25°35	13°45	25° 9	25°38	10°51	18° 2	24°10	0°16	2°26	3°21	3°18	20°55	6°53	F 29
S 30	16 31 18	8°58'56	9 Ω 28	14°33	26°16	26°11	10°44	17°58	24° 8	0°16	2°27	3°21	3°15	21° 2	6°54	S 30
S 31	16 35 15	9∏56'32	23 \O 30	15826	27 Y 23	26≈44	10 ∡ ³36	17 M .54	24궁 7	0≈15	29	3 ₹ 20	3 ₹ 11	21 米 8	6 ¥ 55	S 31

Day	0	D	ğ	·	♂ ¹	4	ħ)Å(卉	В	w v	Ç	ę,
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
F 1 S 2	15n 6 15 24		18n22 1n33 17 59 1 18			21 s36		21 s40 0 s28 21 40 0 28			20 s50 21 s 4 20 50 21 4	0s12 0 10	3 s53 5n45 3 52 5 46
S 3 M 4 T 5	15 42 16 0 16 17	7 41 5 13 2 34 5 12	16 39 0 29	1 35 0 53 1 1 14 0 57 1	3 59 1 36 3 50 1 38	5 21 34 0 52 3 21 33 0 52	15 16 2 31 15 15 2 31	21 40 0 28 21 40 0 28	19 35 0 27 19 35 0 27	17 35 5 49 17 35 5 49	20 50 21 3 20 50 21 3 20 50 21 2	0 8 0 5 0 3	3 51 5 46 3 50 5 46 3 49 5 47
W 6 T 7 F 8 S 9	16 34 16 50 17 7 17 23	12 43 3 16	15 44 0s 5	0 32 1 6 1 0 10 1 10 1	3 34 1 42 3 25 1 44	2 21 32 0 52 2 21 31 0 52	15 12 2 31 15 11 2 31	21 40 0 28 21 40 0 29 21 40 0 29 21 40 0 29	19 35 0 27 19 35 0 27	17 36 5 49 17 36 5 48	20 49 21 1 20 49 21 1 20 49 21 0 20 48 21 0	0 0 0n 2 0 4 0 7	3 48 5 47 3 47 5 47 3 46 5 47 3 45 5 48
S 10 M11 T 12 W13 T 14	17 54 18 9 18 24	21 12 0n26 21 30 1 40 20 33 2 46		0 55 1 21 1 1 17 1 25 1 1 40 1 28 1	3 0 1 50 7 51 1 52 7 42 1 54	3 21 30 0 52 2 1 29 0 52 2 1 28 0 52 2 1 27 0 52 2 1 27 0 52 2 1 27 0 52 2 1 27 0 52	15 7 2 31 15 6 2 31 15 5 2 31	21 40 0 29 21 41 0 29	19 35 0 27 19 35 0 27 19 36 0 27	17 36 5 48 17 36 5 48 17 36 5 48	20 48 20 59 20 48 20 58 20 48 20 58 20 48 20 57 20 49 20 57	0 9 0 12 0 14 0 17 0 19	3 44 5 48 3 43 5 48 3 42 5 49 3 41 5 49 3 40 5 49
F 15 S 16	19 7	12 13 4 57		2 47 1 37 1	7 16 2 1		15 2 2 31		19 36 0 27	17 37 5 47	20 49 20 56 20 49 20 56	0 21 0 24	3 39 5 49 3 38 5 50
S 17 M18 T 19 W20 T 21 F 22 S 23	19 21 19 34 19 47 20 0 20 12 20 24 20 36	0n13 5 6 4 32 4 42 8 43 4 6 12 36 3 19	12 6 2 36 11 56 2 47 11 47 2 56 11 42 3 5 11 38 3 13 11 37 3 19 11 38 3 25	3 33 1 43 1 3 56 1 46 1 4 19 1 48 1 4 42 1 51 1 5 5 1 53 1	5 58 2 5 5 50 2 7 5 41 2 10 6 32 2 12 6 23 2 14	7 21 22 0 51 0 21 21 0 51 2 21 20 0 51 4 21 20 0 51	14 59 2 31 14 58 2 30 14 57 2 30 14 56 2 30 14 55 2 30	21 42 0 29 21 42 0 29 21 42 0 29 21 42 0 29 21 43 0 29	19 36 0 27 19 37 0 28	17 37 5 47 17 37 5 47 17 37 5 47 17 37 5 47 17 37 5 47	20 49 20 55 20 49 20 54 20 49 20 54 20 49 20 53 20 49 20 53 20 49 20 52 20 49 20 51	0 26 0 29 0 31 0 33 0 36 0 38 0 40	3 38 5 50 3 37 5 50 3 36 5 51 3 35 5 51 3 35 5 51 3 34 5 52 3 33 5 52
F 29 S 30	20 58 21 8 21 18 21 28	20 41 0 7 21 31 1s 5 21 10 2 14 19 36 3 18 16 54 4 11 13 12 4 50	11 42 3 29 11 47 3 33 11 55 3 35 12 4 3 37 12 16 3 38 12 29 3 38 12 44 3 37	6 14 1 59 1 6 37 2 1 1 7 0 2 3 1 7 23 2 4 1 7 47 2 6 1 8 10 2 7 1	5 56 2 21 5 47 2 24 5 38 2 26 5 29 2 28 5 20 2 31 5 11 2 33	21 17 0 51 21 16 0 51 521 15 0 51 8 21 14 0 51 21 13 0 51 8 21 12 0 50	14 52 2 30 14 51 2 30 14 50 2 30 14 49 2 29 14 48 2 29 14 47 2 29	21 43 0 29 21 44 0 29 21 44 0 29 21 44 0 29 21 44 0 29 21 45 0 29	19 37 0 28 19 38 0 28 19 38 0 28 19 38 0 028	17 38 5 46 17 38 5 46	20 49 20 51 20 49 20 50 20 49 20 50 20 49 20 49 20 48 20 48 20 48 20 47 20 48 20 47	0 43 0 45 0 48 0 50 0 52 0 55 0 57	3 33 5 52 3 32 5 52 3 31 5 53 3 31 5 53 3 30 5 53 3 30 5 54 3 29 5 54 3 \$28 5 554

Julian Day Number = 2510469.5, Delta T = 129.77 sec Ecliptic obliquity = $23^{\circ}25'02$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}59'41$, Lahiri = $26^{\circ}06'41$

JUNE 2161 00:00 UT

OUNE															00.0	0 0.
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	ស	ຄ	Ç	ę,	Day
M 1	16 39 12	10耳54'06	7 m 40	16821	28 Y 31	27≈16	10°R28	17°R50	24°R 5	0°R14	2930	3°D20	3 ∡ 7 8	21) 15	6 ¥ 55	M 1
T 2	16 43 8	11°51'39	21°54	17°20	29°38	27°49	10 × 21	17 M .46	24중 4	0≈13	2°31	3 ₹ 20	3° 5	21°22	6°56	T 2
W 3	16 47 5	12°49'10	6 ₽ 11	18°22	0 8 46	28°21	10°13	17°42	24° 2	0°12	2°33	3°21	3° 2	21°28	6°56	W 3
T 4	16 51 1	13°46'40	20°27	19°27	1°53	28°53	10° 5	17°38	24° 1	0°11	2°34	3°21	2°59	21°35	6°56	T 4
F 5	16 54 58	14°44'09	4MJ39	20°36	3° 1	29°25	9°58	17°34	23°59	0°10	2°36	3°22	2°56	21°42	6°57	F 5
S 6	16 58 54	15°41'37	18°45	21°47	4° 9	29°57	9°50	17°30	23°57	0° 9	2°37	3°23	2°52	21°49	6°57	S 6
S 7	17 251	16°39'04	2 √ 40	23° 2	5°17	0 ∺ 28	9°43	17°27	23°55	0° 8	2°38	3°R23	2°49	21°55	6°57	S 7
M 8	17 6 47	17°36'29	16°22	24°19	6°25	0°59	9°35	17°23	23°54	0° 7	2°40	3°23	2°46	22° 2	6°57	M 8
T 9	17 10 44	18°33'54	29°49	25°40	7°33	1°30	9°28	17°20	23°52	0° 6	2°41	3°22	2°43	22° 9	6°58	T 9
W10	17 14 41	19°31'18	12 る 57	27° 3	8°42	2° 1	9°20	17°16	23°50	0° 5	2°43	3°20	2°40	22°15	6°R58	W10
T 11	17 18 37	20°28'41	25°48	28°29	9°50	2°32	9°13	17°13	23°48	0° 4	2°44	3°18	2°37	22°22	6°58	T 11
F 12	17 22 34	21°26'04	8≈22	29°58	10°59	3° 2	9° 5	17° 9	23°46	0° 2	2°45	3°15	2°33	22°29	6°57	F 12
S 13	17 26 30	22°23'25	20°40	1∏30	12° 7	3°32	8°58	17° 6	23°44	0° 1	2°47	3°13	2°30	22°36	6°57	S 13
S 14	17 30 27	23°20'47	2) (46	3° 5	13°16	4° 2	8°51	17° 3	23°42	0° 0	2°48	3°11	2°27	22°42	6°57	S 14
M15	17 34 23	24°18'07	14°43	4°42	14°25	4°32	8°44	17° 0	23°40	29 궁 59	2°50	3° 9	2°24	22°49	6°57	M15
T 16	17 38 20	25°15'27	26°37	6°22	15°33	5° 1	8°37	16°57	23°38	29°58	2°51	3°D 9	2°21	22°56	6°56	T 16
W17	17 42 16	26°12'47	8 Υ 30	8° 5	16°42	5°30	8°30	16°54	23°36	29°56	2°53	3°10	2°17	23° 2	6°56	W17
T 18	17 46 13	27°10'07	20°29	9°51	17°51	5°58	8°23	16°51	23°34	29°55	2°54	3°11	2°14	23° 9	6°56	T 18
F 19	17 50 10	28° 7'26	2 8 37	11°39	19° 0	6°27	8°16	16°48	23°32	29°54	2°55	3°13	2°11	23°16	6°55	F 19
S 20	17 54 6	29° 4'45	14°59	13°30	20°10	6°55	8° 9	16°45	23°30	29°52	2°57	3°14	2° 8	23°23	6°54	S 20
S 21	17 58 3	0ණ 2'03	27°39	15°23	21°19	7°22	8° 2	16°43	23°28	29°51	2°58	3°R15	2° 5	23°29	6°54	S 21
M22	18 1 59	0°59'21	10耳37	17°19	22°28	7°50	7°56	16°40	23°26	29°50	3° 0	3°15	2° 2	23°36	6°53	M22
T 23	18 5 56	1°56'39	23°56	19°18	23°38	8°17	7°49	16°37	23°24	29°48	3° 1	3°14	1°58	23°43	6°52	T 23
W24	18 9 52	2°53'56	7935	21°18	24°47	8°43	7°43	16°35	23°22	29°47	3° 3	3°11	1°55	23°49	6°52	W24
T 25	18 13 49	3°51'13	21°31	23°21	25°57	9°10	7°37	16°33	23°19	29°46	3° 4	3° 7	1°52	23°56	6°51	T 25
F 26	18 17 46	4°48'30	5 Ω 40	25°25	27° 6	9°36	7°31	16°30	23°17	29°44	3° 6	3° 2	1°49	24° 3	6°50	F 26
S 27	18 21 42	5°45'45	19°58	27°31	28°16	10° 1	7°25	16°28	23°15	29°43	3° 7	2°58	1°46	24°10	6°49	S 27
S 28	18 25 39	6°43'00	4 Mp 20	29°39	29°26	10°26	7°19	16°26	23°13	29°41	3° 8	2°54	1°43	24°16	6°48	S 28
M29	18 29 35	7°40'15	18°41	19548	0耳36	10°51	7°13	16°24	23°10	29°40	3°10	2°51	1°39	24°23	6°47	M29
T 30	18 33 32	8937'29	2 ≏ 58	3958	1 Ⅱ 46	11) 15	7 .7 7	16M22	23중 8	29 궁 38	39511	2°D50	1 ∡ 736	24) (30	6) €46	T 30

Day	0	D		ζ	5	ç)	d	7	2	+	ŧ	ì);	f(4	(Е)	n	v	Ç	Š	
	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
M 1 T 2	22n 3 22 11	3n48 1 s23		13n18 13 38	3 s33 3 30	8n55 9 18		14 s53 14 44		21 s10 21 9		14 s 4 5 14 4 4		21 s45 21 45		19s38 19 38	0n28 0 28	17n38 17 38			20 s46 20 45	1n 2	3 s28 3 28	5n55 5 55
W 3	22 19			13 58	3 27			14 35	2 43			14 43		21 46		19 38	0 28		-		20 45	1 7	3 27	5 55
T 4	22 26	11 19	3 36	14 20	3 22	10 3	2 12	14 27	2 46	21 7	0 50	14 42	2 29	21 46	0 29	19 39	0 28	17 38	5 45	20 48	20 44	1 9	3 27	5 56
F 5		-	-	14 43	3 17			14 18	2 49		0 50			21 46		19 39	0 28	17 38	-		20 43	1 11	3 26	5 56
S 6	22 39	18 40	1 20	15 7	3 11	10 48	2 13	14 9	2 51	21 5	0 50	14 40	2 28	21 47	0 29	19 39	0 28	17 39	5 45	20 49	20 43	1 14	3 26	5 56
S 7	22 45		-	15 32		11 10	2 14	-	2 54			14 39		21 47		19 39	0 28		-		20 42	1 16	3 25	5 57
M 8		21 32		15 57				13 52	2 56		0 49			21 47		19 40	0 28				20 42	1 19	3 25	5 57
T 9 W10	22 56			16 23 16 50		11 54 12 16		13 43 13 34	2 59			14 38 14 37		21 48 21 48		19 40 19 40	0 28 0 28		-		20 41 20 40	1 21	3 25	5 57 5 57
T 11	-		-	16 30	-	12 16		13 26		21 1 21 0		14 37		21 48		19 40	0 28	17 39 17 39	-		20 40	1 23 1 26	3 25 3 24	5 58
F 12	23 8			17 45	2 26			13 18		20 59		14 35		21 49		19 40	0 28				20 40	1 28	3 24	5 58
S 13	23 12			18 13	-	13 20	2 14			20 58		14 35		21 49		19 41			-		20 39	1 30	3 24	5 58
S 14	23 15	5 35	5 15	18 41	2 7	13 41	2 14	13 1	3 13	20 57	0 49	14 34	2 27	21 49	0 30	19 41	0 28	17 39	5 44	20 46	20 38	1 33	3 24	5 59
M15	23 18	1 16	5 9	19 9	1 57	14 1	2 13	12 53	3 16	20 56	0 48	14 33	2 27	21 50	0 30	19 41	0 28	17 39	5 44	20 46	20 37	1 35	3 23	5 59
T 16	23 20	-		19 36	1 46			12 45		20 55	0 48	_		21 50			0 28		-		20 37	1 37	3 23	5 59
W17	23 22			20 4	1 36			12 37		20 55		14 32		21 51		19 42	0 28				20 36	1 40	3 23	6 0
T 18 F 19	23 23	-		20 31	1 25			12 29		20 54		14 31		21 51		19 42	0 28				20 35	1 42	3 23	6 0
S 20	23 24 23 25			20 57 21 22	1 14	15 21 15 40		12 21 12 13		20 53 20 52		14 31 14 30		21 51 21 52		19 42 19 43	0 28 0 28				20 35 20 34	1 44 1 47	3 23 3 23	6 0
																						·		
S 21 M22	23 25 23 25			21 46 22 10	0 51 0 39			12 5 11 58		20 51 20 50		14 29 14 29		21 52 21 52		19 43 19 43	0 28 0 27		-		20 33 20 33	1 49 1 51	3 23 3 23	6 1
T 23	23 24			22 10	0 39		-	11 50		20 30		14 29		21 52		19 43	0 27		-		20 33	1 54	3 23	6 1
W24	23 23	-	-	22 51		16 54		11 43		20 49		14 28		21 53			0 27				20 32	1 56	3 23	6 2
T 25				23 10		17 12	-	11 36		20 48	0 47	-		21 54		19 44	0 27				20 31	1 59	3 23	6 2
F 26	23 20			23 26		17 29		11 29		20 47		14 27		21 54		19 44	0 27		-		20 30	2 1	3 23	6 2
S 27	23 17	10 0	5 4	23 40	0 17	17 46	2 2	11 22		20 46	0 46	14 27	2 24	21 54	0 30	19 45	0 27	17 39	5 44	20 44	20 30	2 3	3 23	6 3
S 28	23 15	5 4	5 11	23 52	0 27			11 16		20 45	0 46	14 26		21 55		19 45	0 27	17 39			20 29	2 6	3 23	6 3
M29	23 12		5 0		0 37			11 9		20 44		14 26		21 55		19 45					20 28	2 8	3 23	6 3
T 30	23n 8	5 s 1 8	4s30	24n 8	0n47	18n34	1 s58	11 s 3	4s 1	20 s44	0n46	14s26	2n23	21 s56	0s30	19 s46	0n27	17n39	5 s44	20 s42	$20 \mathrm{s} 28$	2n10	3 s23	6n 3

Julian Day Number = 2510500.5, Delta T = 129.84 sec Ecliptic obliquity = $23^{\circ}25'01$, Nutation = $0^{\circ}00'15$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}59'45$, Lahiri = $26^{\circ}06'45$

JULY 2161 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(¥	Р	n	Ω	Ç	ķ	Day
W 1	18 37 28	9934'42	17 ♀ 7	695 8	2 I I56	11) 39	7°R 2	16°R20	23°R 6	29°R37	39913	2 × 750	1 × ⁷ 33	24) (36	6°R44	W 1
T 2	18 41 25	10°31'55	1/11 / 1M 8	8°19	4° 6	12° 3	6 × 757	16 K20	23 K 6 23 G 3	29 K37 29 石 35	3°14	2°51	1°30	24×36 24°43	6)(43	T 2
F 3	18 45 21	11°29'08	14°59	10°30	5°16	12°26	6°51	16°17	23° 1	29°34	3°16	2°52	1°27	24°50	6°42	F 3
S 4	18 49 18	12°26'20	28°39	12°41	6°26	12°49	6°46	16°16	22°59	29°32	3°17	2°R53	1°23	24°57	6°40	S 4
S 5	18 53 15	13°23'32	12 🗷 9	14°51	7°36	13°11	6°42	16°14	22°56	29°31	3°19	2°53	1°20	25° 3	6°39	S 5
M 6	18 57 11	14°20'44	25°27	17° 1	8°46	13°33	6°37	16°13	22°54	29°29	3°20	2°51	1°17	25°10	6°38	M 6
T 7 W 8	19 1 8 19 5 4	15°17'55	8 국 32	19°10 21°17	9°57 11° 7	13°54 14°15	6°32 6°28	16°11 16°10	22°52 22°49	29°28 29°26	3°21	2°47 2°41	1°14	25°17 25°23	6°36 6°34	T 7 W 8
W 8	19 5 4 19 9 1	16°15'07 17°12'18	21°25 4 ≈ 4	21°17 23°24	11° / 12°18	14°15 14°35	6°28 6°23	16°10 16° 9	22°49 22°47	29°26 29°25	3°23 3°24	2°33	1°11 1° 8	25°23 25°30	6°34 6°33	W 8 T 9
F 10	19 9 1	17 12 18 18° 9'29	4≈ 4 16°30	25°29	12 18 13°28	14°55	6°19	16° 8	22°44	29°23	3°26	2°25	1° 4	25°37	6°31	F 10
S 11	19 12 37	19° 6'41	28°44	23°29 27°32	13 28 14°39	15°14	6°15	16° 7	22°42	29°21	3°27	2°17	1° 1	25°44	6°29	S 11
			-			_				-						
S 12	19 20 50	20° 3'53	10 米 47	29°34	15°49	15°33	6°12	16° 6	22°40	29°20	3°28	2°10	0°58	25°50	6°28	S 12
M13	19 24 47	21° 1'05	22°43	1 Ω 34	17° 0	15°51	6° 8	16° 6	22°37	29°18	3°30	2° 5	0°55	25°57	6°26	M13
T 14	19 28 44	21°58'18	4 Υ35	3°33	18°11	16° 8	6° 4	16° 5	22°35	29°17	3°31	2° 1	0°52	26° 4	6°24	T 14
W15	19 32 40	22°55'31	16°27	5°29	19°22	16°25	6° 1	16° 5	22°32	29°15	3°33	1°59	0°49	26°10	6°22	W15
T 16	19 36 37	23°52'45	28°25	7°24	20°33	16°42	5°58	16° 4	22°30	29°13	3°34	1°D59	0°45	26°17	6°20	T 16
F 17	19 40 33	24°49'59	10832	9°17	21°44	16°57	5°55	16° 4	22°27	29°12	3°35	2° 0	0°42	26°24	6°18	F 17
S 18	19 44 30	25°47'14	22°55	11°8	22°55	17°13	5°52	16° 4	22°25	29°10	3°37	2° 1	0°39	26°30	6°16	S 18
S 19	19 48 26	26°44'29	5 Ⅱ 37	12°57	24° 6	17°27	5°50	16° 4	22°23	29° 8	3°38	2°R 1	0°36	26°37	6°14	S 19
M20	19 52 23	27°41'46	18°43	14°45	25°17	17°41	5°47	16°D 4	22°20	29° 7	3°39	2° 0	0°33	26°44	6°12	M20
T 21	19 56 19	28°39'02	29514	16°30	26°28	17°54	5°45	16° 4	22°18	29° 5	3°41	1°56	0°29	26°51	6°10	T 21
W22	20 0 16	29°36'19	16°10	18°14	27°39	18° 7	5°43	16° 4	22°15	29° 4	3°42	1°51	0°26	26°57	6° 7	W22
T 23	20 4 13	0 Ω 33'37	$0\Omega 29$	19°56	28°51	18°19	5°41	16° 4	22°13	29° 2	3°43	1°43	0°23	27° 4	6° 5	T 23
F 24	20 8 9	1°30'55	15° 4	21°35	09 2	18°30	5°39	16° 4	22°11	29° 0	3°45	1°34	0°20	27°11	6° 3	F 24
S 25	20 12 6	2°28'14	29°49	23°14	1°14	18°40	5°38	16° 5	22° 8	28°59	3°46	1°25	0°17	27°17	6° 1	S 25
S 26	20 16 2	3°25'33	14 m 35	24°50	2°25	18°50	5°36	16° 5	22° 6	28°57	3°47	1°17	0°14	27°24	5°58	S 26
M27	20 19 59	4°22'52	29°16	26°24	3°37	18°59	5°35	16° 6	22° 4	28°55	3°49	1°11	0°10	27°31	5°56	M27
T 28	20 23 55	5°20'12	13 ≏ 44	27°57	4°48	19° 7	5°34	16° 7	22° 1	28°54	3°50	1° 7	0° 7	27°38	5°53	T 28
W29	20 27 52	6°17'32	27°57	29°27	6° 0	19°14	5°33	16° 8	21°59	28°52	3°51	1° 5	0° 4	27°44	5°51	W29
T 30	20 31 48	7°14'52	11 M 54	0 m 56	7°12	19°21	5°33	16° 9	2 <u>1°</u> 57	2 <u>8</u> °51	3°52	1°D 5	0° 1	27°51	5°48	T 30
F 31	20 35 45	8 Ω 12'13	25 M 33	2 m 23	8923	19 米 27	5 ₹ 32	16 M .10	21 る 54	28 궁 49	3954	1°R 5	29 TL 58	27 米 58	5) (46	F 31

Day	0	J)	ζ	5	ς	2	ď	•	2	ļ-	ħ	<u>ι</u>)į	ξ(Ä	Ţ	Е)	រា	v	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
W 1	23n 4	10s 9	3 s43	24n12	0n56	18n50	1 s56	10 s56	4s 4	20 s43	0n46	14 s25	2n23	21 s56	0s30	19 s46	0n27	17n39	5 s43	20 s42	20 s27	2n13	3 s24	6n 4
T 2	23 0	14 25	2 44	24 13	1 4	19 4	1 54	10 50	4 7	20 42	0 45	14 25	2 23	21 56	0 30	19 46	0 27	17 39	5 43		20 26	2 15	3 24	6 4
F 3		17 51	1 36		1 12			10 44		20 42		14 25		21 57		19 47		17 39	5 43		20 26	2 17	3 24	6 4
S 4	22 50	20 13	0 23	24 8	1 19	19 33	1 51	10 38	4 13	20 41	0 45	14 25	2 22	21 57	0 30	19 47	0 27	17 39	5 43	20 43	20 25	2 20	3 24	6 4
S 5	22 45	21 24	0n50	24 1	1 26	19 46	1 49	10 33	4 16	20 40	0 45	14 25	2 22	21 58	0 30	19 47	0 27	17 39	5 43	20 43	20 25	2 22	3 24	6 5
M 6	22 39	21 21	1 59	23 51	1 31	19 59	1 47	10 27	4 20	20 40	0 45	14 24	2 22	21 58	0 30	19 48	0 27	17 39	5 43	20 43	20 24	2 24	3 25	6 5
T 7	22 32	20 8	3 1	23 38	1 36	20 12	1 45	10 22		20 39	0 44	14 24		21 58		19 48	0 27	17 39	5 43		20 23	2 26	3 25	6 5
W 8	-	17 54		23 23	1 41	20 24	-	10 17		20 39	0 44			21 59		19 48	0 27				20 23	2 29	3 25	6 6
T 9		14 50	4 31		1 44			10 12		20 38	0 44			21 59		19 49	0 27				20 22	2 31	3 26	6 6
F 10		11 10		22 46	1 47		1 38			20 38		14 24	2 21			19 49	0 27				20 21	2 33	3 26	6 6
S 11	22 3	7 6	5 7	22 25	1 49	20 57	1 36	10 3	4 36	20 37	0 43	14 24	2 21	22 0	0 30	19 49	0 27	17 39	5 43	20 36	20 21	2 36	3 27	6 6
S 12	21 55	2 49	5 4	22 1	1 50	21 7	1 34	9 59	4 39	20 37	0 43	14 24	2 20	22 0	0 30	19 50	0 27	17 39	5 43	20 35	20 20	2 38	3 27	6 6
M13	21 47	1n31	4 48	21 35	1 50	21 16	1 31	9 55	4 42	20 36	0 43	14 24	2 20	22 1	0 30	19 50	0 27	17 39	5 43		20 19	2 40	3 27	6 7
T 14	21 38	5 47	4 20	-	1 50	-	1 29	9 51		20 36	0 43		2 20			19 50	0 27		5 43		20 19	2 43	3 28	6 7
W15	21 28	9 51	-	20 39	1 50		1 26	9 47		20 35	0 43		2 20			19 51	0 27		5 43		20 18	2 45	3 28	6 7
T 16	21 19		2 51		1 48	21 41	1 24	9 44		20 35	0 42		2 19			19 51	0 27		5 43		20 17	2 47	3 29	6 7
F 17	21 8			19 37	1 46	-	1 21	9 41		20 35	0 42	-	2 19			19 51	0 27		5 43		20 17	2 50	3 29	6 8
S 18	20 58	19 16	0 49	19 4	1 43	21 55	1 19	9 38	4 59	20 35	0 42	14 25	2 19	22 3	0 30	19 52	0 27	17 39	5 43	20 33	20 16	2 52	3 30	6 8
S 19	20 47	20 54	0s19	18 30	1 40	22 1	1 16	9 35	5 2	20 34	0 42	14 25	2 18	22 3	0 30	19 52	0 27	17 39	5 43	20 33	20 15	2 54	3 31	6 8
M20		21 28	1 28	17 56	1 36	-	1 14	9 33		20 34	0 42	14 25			0 30	19 52	0 27		5 43		20 15	2 57	3 31	6 8
T 21		20 49		17 20	1 32		1 11	9 31		20 34	0 41	14 26	2 18			19 53	0 27		5 43		20 14		3 32	6 8
W22		18 54		16 44	1 27	22 16	1 8	9 29		20 34	0 41	-	2 18			19 53	0 27		5 43		20 13		3 32	6 9
T 23		15 47	4 20		1 22	-	1 6	9 27		20 34	0 41	-	2 17	-		19 53	0 27		5 43		20 13	3 3	3 33	6 9
F 24		11 39		15 29	1 16		1 3	9 26		20 34		14 27	2 17			19 54		17 39	5 43		20 12	3 6	3 34	6 9
S 25	19 35	6 47	5 4	14 51	1 9	22 25	1 0	9 24	5 22	20 34	0 40	14 27	2 17	22 6	0 30	19 54	0 27	17 39	5 43	20 26	20 11	3 8	3 34	6 9
S 26	19 22	1 31	4 56	14 13		-	0 57	9 24	5 25	20 34	0 40	14 27	2 17		0 30	19 54	0 27	17 39	5 43		20 11	3 10	3 35	6 9
M27	19 9	3 s49	-	13 35		22 28	0 54	9 23		20 34		14 28	2 16			19 55		17 39	5 43		20 10		3 36	6 9
T 28	18 55	8 52		12 56			0 52	9 23		20 34	0 40		2 16			19 55		17 39	5 43			3 15	3 37	6 9
W29	18 41	13 20		12 17	0 41	-	0 49	9 22		20 34	0 40		2 16			19 55		17 39	5 43			3 17	3 37	6 10
T 30		16 59		11 38	0 32		0 46	9 23		20 34		14 29	2 16			19 56		17 38		20 21		3 19	3 38	6 10
F 31	18n12	19s36	0 s29	10n59	0n24	22n26	0 s43	9 s23	5 s40	20 s34	0n39	14s30	2n15	22 s 8	0s30	19s56	0n27	17n38	5 s43	20 s21	20 s 7	3n22	3 s 3 9	6n10

Julian Day Number = 2510530.5, Delta T = 129.90 sec Ecliptic obliquity = 23°25'01, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^\circ59'49$, Lahiri = $26^\circ06'50$

AUGUST 2161 00:00 UT

		-														
Day	Sid.t	0	D	ğ	ρ	ď	4	ħ)Å(并	В	N.	v	Ç	ķ	Day
S 1	20 39 42	9 N 9'35	8 ∡ 756	3 Mp 48	9935	19 ∺ 32	5°R32	16 M .11	21°R52	28°R47	3955	1°R 5	29 M 55	28 米 4	5°R43	S 1
S 2	20 43 38	10° 6'57	22° 6	5°11	10°47	19°37	5°D32	16°12	21 궁 50	28 3 46	3°56	1 ~ 3	29°51	28°11	5) (41	S 2
M 3	20 47 35	11° 4'19	5 る 2	6°32	11°59	19°40	5 ₹ 32	16°14	21°48	28°44	3°57	0°59	29°48	28°18	5°38	M 3
T 4	20 51 31	12° 1'42	17°48	7°51	13°11	19°43	5°32	16°15	21°45	28°43	3°58	0°52	29°45	28°24	5°35	T 4
W 5	20 55 28	12°59'06	0≈23	9° 8	14°23	19°45	5°33	16°16	21°43	28°41	4° 0	0°43	29°42	28°31	5°33	W 5
T 6	20 59 24	13°56'31	12°47	10°23	15°35	19°47	5°34	16°18	21°41	28°40	4° 1	0°31	29°39	28°38	5°30	T 6
F 7	21 3 21	14°53'56	25° 3	11°35	16°47	19°R47	5°34	16°20	21°39	28°38	4° 2	0°18	29°35	28°45	5°27	F 7
S 8	21 7 17	15°51'23	7 ∺ 9	12°45	17°59	19°47	5°35	16°22	21°37	28°37	4° 3	0° 5	29°32	28°51	5°24	S 8
S 9	21 11 14	16°48'50	19° 8	13°53	19°11	19°46	5°37	16°24	21°35	28°35	4° 4	29 M 54	29°29	28°58	5°22	S 9
M10	21 15 11	17°46'19	1 Υ 0	14°59	20°24	19°44	5°38	16°26	21°32	28°33	4° 5	29°44	29°26	29° 5	5°19	M10
T 11	21 19 7	18°43'49	12°50	16° 2	21°36	19°41	5°40	16°28	21°30	28°32	4° 6	29°37	29°23	29°11	5°16	T 11
W12	21 23 4	19°41'20	24°41	17° 3	22°48	19°38	5°41	16°30	21°28	28°30	4° 7	29°32	29°20	29°18	5°13	W12
T 13	21 27 0	20°38'53	6 8 36	18° 0	24° 1	19°33	5°43	16°32	21°26	28°29	4° 9	29°30	29°16	29°25	5°10	T 13
F 14	21 30 57	21°36'27	18°42	18°55	25°13	19°28	5°45	16°34	21°24	28°28	4°10	29°D29	29°13	29°32	5° 7	F 14
S 15	21 34 53	22°34'02	1 II 2	19°47	26°26	19°22	5°48	16°37	21°22	28°26	4°11	29°R29	29°10	29°38	5° 4	S 15
S 16	21 38 50	23°31'39	13°42	20°36	27°39	19°16	5°50	16°40	21°20	28°25	4°12	29°29	29° 7	29°45	5° 1	S 16
M17	21 42 46	24°29'17	26°48	21°21	28°51	19°8	5°53	16°42	21°19	28°23	4°13	29°27	29° 4	29°52	4°58	M17
T 18	21 46 43	25°26'57	109521	22° 3	0Ω 4	19° 0	5°56	16°45	21°17	28°22	4°14	29°22	29° 0	29°58	4°56	T 18
W19	21 50 40	26°24'38	24°24	22°41	1°17	18°51	5°59	16°48	21°15	28°20	4°15	29°15	28°57	0 Υ 5	4°53	W19
T 20	21 54 36	27°22'21	8 £ 53	23°15	2°30	18°41	6° 2	16°51	21°13	28°19	4°16	29° 6	28°54	0°12	4°50	T 20
F 21	21 58 33	28°20'05	23°45	23°45	3°42	18°31	6° 5	16°54	21°11	28°18	4°16	28°55	28°51	0°18	4°47	F 21
S 22	22 2 29	29°17'50	8 m 50	24°11	4°55	18°20	6° 9	16°57	21°10	28°16	4°17	28°44	28°48	0°25	4°44	S 22
S 23	22 6 26	0 Mp 15'37	23°58	24°32	6° 8	18° 9	6°12	17° 0	21° 8	28°15	4°18	28°34	28°45	0°32	4°41	S 23
M24	22 10 22	1°13'25	8 ₾ 59	24°49	7°21	17°57	6°16	17° 3	21° 6	28°14	4°19	28°26	28°41	0°39	4°38	M24
T 25	22 14 19	2°11'14	23°45	25° 0	8°34	17°44	6°20	17° 6	21° 5	28°12	4°20	28°20	28°38	0°45	4°35	T 25
W26	22 18 15	3° 9'04	8 M .10	25° 5	9°47	17°31	6°24	17°10	21° 3	28°11	4°21	28°17	28°35	0°52	4°32	W26
T 27	22 22 12	4° 6'55	22°11	25°R 6	11° 1	17°17	6°29	17°13	21° 1	28°10	4°22	28°17	28°32	0°59	4°29	T 27
F 28	22 26 9	5° 4'48	5 ₹ 750	25° 0	12°14	17° 3	6°33	17°17	21° 0	28° 9	4°22	28°17	28°29	1° 5	4°26	F 28
S 29	22 30 5	6° 2'42	19° 7	24°49	13°27	16°48	6°38	17°21	20°58	28° 8	4°23	28°16	28°26	1°12	4°23	S 29
S 30	22 34 2	7° 0'37	2 절 6	24°31	14°40	16°34	6°43	17°24	2 <u>0</u> °57	2 <u>8°</u> 6	4°24	28°14	28°22	1°19	4°20	S 30
M31	22 37 58	7 m 58'33	14 궁 49	24Mp 8	15 Ω 54	16 ∺ 18	6 才 48	17 M 28	20 궁 56	28중 5	4925	28 M .10	28 IL 19	1 Υ 25	4 ∺ 17	M31

Day	0	D		ζ	5	Ŷ		ď	и	2	+	ħ	l.)	f(, ‡	(E	2	n	Ω	Ç	Ł	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	17n57	21 s 5	0n42	10n21	0n15	22n24	0 s40	9 s24	5 s43	20 s34	0n39	14 s 30	2n15	22 s 8	0s30	19s56	0n27	17n38	5 s43	20 s21	20 s 7	3n24	3 s40	6n10
S 2	17 42	21 22	1 49	9 42	0 6	22 22	0 37	9 25	5 46	20 34	0 39	14 31	2 15	22 9	0 30	19 57	0 27	17 38	5 43	20 21	20 6	3 26	3 41	6 10
M 3	17 26	20 30	2 50	9 3	0s 3	22 18	0 34	9 26	5 49	20 35	0 38	14 32	2 15	22 9	0 30	19 57	0 27	17 38	5 43	20 20	20 5	3 29	3 41	6 10
T 4	17 10	18 35	3 41	8 25	0 13	22 15	0 31	9 27	5 52	20 35	0 38	14 32	2 14	22 9	0 30	19 57	0 27	17 38	5 43	20 19	20 5	3 31	3 42	6 10
W 5	16 54		4 20	7 47	0 23		0 29	9 29		20 35	0 38		2 14				0 27	17 38		20 17		3 33	3 43	6 10
T 6	16 38		4 47	7 10	0 33		0 26	9 31			0 38			22 10			0 27	17 38		20 14		3 35	3 44	6 11
F 7	16 21		5 0	6 33		21 59	0 23	9 33		20 36		14 34		22 10			0 27	17 38		20 12		3 38	3 45	6 11
S 8	16 4	4 15	4 59	5 57	0 53	21 53	0 20	9 35	6 2	20 36	0 37	14 35	2 13	22 11	0 30	19 59	0 27	17 38	5 44	20 9	20 2	3 40	3 46	6 11
S 9	15 47	0n 4	4 44	5 21	1 4	21 46	0 17	9 38	6 4	20 37	0 37	14 36	2 13	22 11	0 30	19 59	0 27	17 38	5 44	20 7	20 1	3 42	3 47	6 11
M10	15 30	4 21	4 18	4 46	1 14	21 38	0 14	9 41	6 7	20 37	0 37	14 37	2 13	22 11	0 30	19 59	0 27	17 38	5 44	20 4	20 1	3 44	3 48	6 11
T 11	15 12	8 27	3 40	4 12	1 25	21 30	0 11	9 44	6 9	20 38	0 37	14 38	2 12	22 12	0 30	20 0	0 27	17 38	5 44	20 3	20 0	3 47	3 49	6 11
W12	14 54	12 14	2 53	3 38	1 36	21 21	0 8	9 47	6 11	20 38	0 37	14 38	2 12	22 12	0 30	20 0	0 27	17 38	5 44	20 2	19 59	3 49	3 50	6 11
T 13	14 36	15 34	1 58	3 6	1 47	21 12	0 6	9 51	6 13	20 39	0 36	14 39	2 12	22 12	0 30	20 0	0 27	17 38	5 44	20 1	19 59	3 51	3 51	6 11
F 14	14 17	18 17	0 57	2 34	1 58	21 2	0 3	9 55	6 15	20 39	0 36	14 40	2 12	22 13	0 30	20 1	0 27	17 37	5 44	20 1	19 58	3 53	3 52	6 11
S 15	13 59	20 13	0 s 8	2 4	2 9	20 51	0n 0	9 59	6 17	20 40	0 36	14 41	2 11	22 13	0 30	20 1	0 27	17 37	5 44	20 1	19 57	3 56	3 53	6 11
S 16	13 40	21 11	1 15	1 34	2 20	20 40	0 3	10 3	6 19	20 40	0 36	14 42	2 11	22 13	0 30	20 1	0 27	17 37	5 44	20 1	19 56	3 58	3 54	6 11
M17	13 21	21 4	2 19	1 7	2 31	20 28	0 6	10 7	6 20	20 41	0 35	14 43	2 11	22 13	0 30	20 2	0 27	17 37	5 44	20 1	19 56	4 0	3 55	6 11
T 18	13 2	19 43	3 18	0 40	2 42	20 15	0 8	10 12	6 22	20 42	0 35	14 44	2 11	22 14	0 30	20 2	0 27	17 37	5 44	20 0	19 55	4 2	3 56	6 11
W19	12 42	17 10	4 7	0 15	2 53	20 2	0 11	10 16	6 23	20 43	0 35	14 45	2 10	22 14	0 30	20 2	0 27	17 37	5 44	19 58	19 54	4 5	3 57	6 11
T 20	12 22	13 29	4 42	0s 8	3 3	19 49	0 14	10 21	6 24	20 43	0 35	14 46	2 10	22 14	0 30	20 2	0 27	17 37	5 44	19 56	19 54	4 7	3 58	6 11
F 21	12 3	8 53	4 59	0 29	3 14	19 34	0 16	10 26	6 25	20 44	0 35	14 47	2 10	22 15	0 30	20 3	0 27	17 37	5 44	19 54	19 53	4 9	3 59	6 11
S 22	11 42	3 41	4 56	0 49	3 24	19 20	0 19	10 31	6 26	20 45	0 34	14 48	2 10	22 15	0 30	20 3	0 27	17 37	5 44	19 52	19 52	4 11	4 0	6 11
S 23	11 22	1 s46	4 32	1 6	3 34	19 4	0 22	10 36	6 26	20 46	0 34	14 50	2 9	22 15	0 30	20 3	0 27	17 37	5 44	19 49	19 52	4 14	4 1	6 11
M24	11 2	7 4	3 49	1 21	3 43	18 48	0 24	10 42	6 27	20 47	0 34	14 51	2 9	22 15	0 30	20 4	0 27	17 37	5 44	19 47	19 51	4 16	4 2	6 11
T 25	10 41	11 52	2 52	1 33	3 52	18 32	0 27	10 47	6 27	20 47	0 34	14 52	2 9	22 16	0 30	20 4	0 27	17 37	5 44	19 46	19 50	4 18	4 4	6 11
W26	10 20	15 51	1 44	1 43	4 0	18 15	0 29	10 52	6 27	20 48	0 34	14 53	2 9	22 16	0 30	20 4	0 27	17 36	5 44	19 46	19 50	4 20	4 5	6 11
T 27	9 59	18 49	0 32	1 50	4 7	17 58	0 32	10 57	6 27	20 49	0 33	14 54	2 9	22 16	0 30	20 4	0 27	17 36	5 45	19 45	19 49	4 23	4 6	6 11
F 28	9 38	20 36	0n40	1 54	4 14	17 40	0 34	11 3	6 27	20 50	0 33	14 55	2 8	22 16	0 30	20 5	0 27	17 36	5 45	19 45	19 48	4 25	4 7	6 11
S 29	9 17	21 11	1 48	1 55	4 20	17 21	0 37	11 8	6 27	20 51	0 33	14 57	2 8	22 16	0 30	20 5	0 27	17 36	5 45	19 45	19 47	4 27	4 8	6 11
S 30	8 56	20 35	2 49	1 52	4 24	17 2	0 39	11 13	6 26	20 52	0 33	14 58	2 8	22 17	0 30	20 5	0 27	17 36	5 45	19 45	19 47	4 29	4 9	6 11
M31	8n34	18s57	3n40	1 s46	4 s28	16n43	0n41	11 s19	6 s 2 5	20 s53	0n33	14 s 5 9	2n 8	22 s17	0 s 3 0	20s 5	0n27	17n36	5 s45	19 s44	19 s46	4n31	4s10	6n11

Julian Day Number = 2510561.5, Delta T = 129.96 sec Ecliptic obliquity = 23°25'01, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°59'53, Lahiri = 26°06'54

SEPTEMBER 2161 00:00 UT

JLI	LINDLIN	2101													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(卉	В	V	v	Ç	ķ	Day
T 1	22 41 55	8 m 56'31	27る20	23°R39	17 Ω 7	16°R 3	6 ₹ 53	17 M 32	20°R54	28°R 4	49526	28°R 3	28 M .16	1 Υ 32	4°R14	T 1
W 2	22 45 51	9°54'30	9≈40	23 mg 3	18°20	15) (47	6°58	17°36	20 궁 53	28 궁 3	4°26	27 M 53	28°13	1°39	4) (11	W 2
T 3	22 49 48	10°52'31	21°52	22°23	19°34	15°31	7° 4	17°40	20°52	28° 2	4°27	27°41	28°10	1°46	4° 8	T 3
F 4	22 53 44	11°50'33	3 ∺ 56	21°37	20°47	15°15	7° 9	17°44	20°50	28° 1	4°28	27°27	28° 6	1°52	4° 5	F 4
S 5	22 57 41	12°48'36	15°55	20°47	22° 1	14°59	7°15	17°49	20°49	28° 0	4°28	27°14	28° 3	1°59	4° 2	S 5
S 6	23 1 37	13°46'41	27°49	19°53	23°14	14°43	7°21	17°53	20°48	27°59	4°29	27° 2	28° 0	2° 6	3°59	S 6
M 7	23 5 34	14°44'48	9Υ39	18°56	24°28	14°27	7°27	17°57	20°47	27°58	4°30	26°52	27°57	2°12	3°56	M 7
T 8	23 9 31	15°42'57	21°29	17°58	25°42	14°11	7°33	18° 2	20°46	27°57	4°30	26°44	27°54	2°19	3°53	T 8
W 9	23 13 27	16°41'08	3 8 20	16°59	26°55	13°55	7°40	18° 6	20°45	27°56	4°31	26°39	27°51	2°26	3°50	W 9
T 10	23 17 24	17°39'20	15°16	16° 1	28° 9	13°39	7°46	18°11	20°44	27°55	4°31	26°36	27°47	2°32	3°47	T 10
F 11	23 21 20	18°37'35	27°21	15° 5	29°23	13°23	7°53	18°15	20°43	27°54	4°32	26°D36	27°44	2°39	3°44	F 11
S 12	23 25 17	19°35'52	9П39	14°12	0 m 37	13° 8	8° 0	18°20	20°42	27°53	4°32	26°36	27°41	2°46	3°41	S 12
S 13	23 29 13	20°34'10	22°17	13°25	1°51	12°52	8° 7	18°25	20°41	27°52	4°33	26°R36	27°38	2°53	3°38	S 13
M14	23 33 10	21°32'31	59918	12°43	3° 5	12°37	8°14	18°30	20°40	27°52	4°33	26°36	27°35	2°59	3°36	M14
T 15	23 37 6	22°30'54	18°46	12° 8	4°19	12°23	8°21	18°35	20°40	27°51	4°34	26°33	27°32	3° 6	3°33	T 15
W16	23 41 3	23°29'19	2 Ω 44	11°41	5°33	12° 9	8°29	18°40	20°39	27°50	4°34	26°28	27°28	3°13	3°30	W16
T 17	23 45 0	24°27'46	17°11	11°22	6°47	11°55	8°36	18°45	20°38	27°49	4°35	26°20	27°25	3°19	3°27	T 17
F 18	23 48 56	25°26'16	2 Mg 3	11°13	8° 1	11°42	8°44	18°50	20°38	27°49	4°35	26°12	27°22	3°26	3°25	F 18
S 19	23 52 53	26°24'47	17°13	11°D13	9°15	11°29	8°52	18°55	20°37	27°48	4°35	26° 3	27°19	3°33	3°22	S 19
S 20	23 56 49	27°23'20	2 ჲ 30	11°22	10°29	11°17	8°59	19° 0	20°37	27°47	4°36	25°54	27°16	3°39	3°19	S 20
M21	0 0 46	28°21'55	17°45	11°41	11°44	11° 5	9° 7	19° 6	20°36	27°47	4°36	25°47	27°12	3°46	3°17	M21
T 22	0 4 42	29°20'31	2 M .45	12° 9	12°58	10°54	9°16	19°11	20°36	27°46	4°36	25°43	27° 9	3°53	3°14	T 22
W23	0 8 39	0 ჲ 19'10	17°24	12°47	14°12	10°43	9°24	19°17	20°35	27°46	4°36	25°41	27° 6	3°59	3°11	W23
T 24	0 12 35	1°17'50	1 ∡ 737	13°32	15°26	10°34	9°32	19°22	20°35	27°45	4°37	25°D41	27° 3	4° 6	3° 9	T 24
F 25	0 16 32	2°16'32	15°24	14°26	16°41	10°25	9°41	19°28	20°35	27°45	4°37	25°42	27° 0	4°13	3° 6	F 25
S 26	0 20 29	3°15'16	28°45	15°28	17°55	10°16	9°50	19°33	20°35	27°44	4°37	25°R43	26°57	4°20	3° 4	S 26
S 27	0 24 25	4°14'01	11 る 42	16°36	19°10	10° 9	9°58	19°39	20°35	27°44	4°37	25°42	26°53	4°26	3° 1	S 27
M28	0 28 22	5°12'48	24°21	17°51	20°24	10° 2	10° 7	19°45	20°34	27°43	4°37	25°40	26°50	4°33	2°59	M28
T 29	0 32 18	6°11'37	6≈44	19°11	21°38	9°56	10°16	19°51	20°34	27°43	4°38	25°36	26°47	4°40	2°57	T 29
W30	0 36 15	7 ≙ 10'27	18 ≈ 56	20 m 37	22 m 53	9) 51	10 × 25	19 M .56	20°D34	27 云 43	4938	25M30	26 M 44	4 Υ 46	2) (54	W30

Day	0	D	ğ	Q	ð	4	ħ)Å(卉	Р	v v	ţ	ķ
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1 W 2	8n13 7 51	16s26 4n19 13 13 4 46	1 s 3 6 4 s 3 6 1 2 3 4 3 6			20 s54 0n32 20 55 0 32			20s 6 0n27 20 6 0 27		19 s42 19 s45 19 40 19 45	-	4s11 6n11 4 13 6 10
T 3	7 29	9 29 4 59	1 6 4 29	9 15 42 0 48		20 57 0 32		22 17 0 30	20 6 0 27		19 37 19 44		4 14 6 10
F 4 S 5	7 7	5 25 4 59	0 45 4 20			20 58 0 32					19 34 19 43	-	4 15 6 10
	6 45	1 10 4 45	0 21 4 23	1		20 59 0 32					19 31 19 43		4 16 6 10
S 6 M 7	6 22	3n 6 4 19 7 13 3 42	0n 6 4 1:	5 14 37 0 54 6 14 14 0 56	11 48 6 16 11 52 6 14						19 29 19 42 19 26 19 41	4 45	4 17 6 10
T 8	6 0 5 38	7 13 3 42 11 4 2 55	1 8 3 5		11 52 6 14					-,	19 26 19 41		4 18 6 10 4 20 6 10
W 9	5 15										19 23 19 40		4 21 6 10
T 10	4 52		2 17 3 30								19 23 19 39	-	4 22 6 9
F 11 S 12	4 30	19 29 0s 4 20 44 1 9	2 53 3 14 3 29 2 5			21 6 0 31 21 7 0 30		22 19 0 30 22 19 0 30			19 23 19 38 19 23 19 38		4 23 6 9 4 24 6 9
S 13 M14	3 44 3 21	20 59 2 12 20 8 3 11	4 4 2 39 4 37 2 20		12 14 5 58 12 17 5 55	21 9 0 30 21 10 0 30					19 23 19 37 19 23 19 36		4 25 6 9 4 27 6 9
T 15	2 58		5 9 2	1 11 1 1 10	12 17 0 00	21 11 0 30					19 22 19 35	-	4 28 6 9
W16	2 35	15 0 4 39	5 37 1 4	1 10 35 1 12	12 21 5 48	21 13 0 30	15 22 2 4	22 19 0 30	20 9 0 26	17 35 5 46	19 21 19 35	5 7	4 29 6 8
T 17	2 12		6 2 1 2			21 14 0 29					19 19 19 34		4 30 6 8
F 18 S 19	1 49 1 25	6 1 5 3 0 41 4 44	6 24 1 2	-		21 15 0 29 21 17 0 29					19 17 19 33 19 15 19 32	-	4 31 6 8 4 32 6 8
	-												
S 20 M21	1 2 0 39	4s45 4 5 9 52 3 9		5 8 49 1 17 7 8 22 1 18		21 18 0 29 21 19 0 29			20 9 0 26 20 10 0 26		19 13 19 32 19 11 19 31		4 34 6 8 4 35 6 7
T 22	0 16					21 21 0 29			20 10 0 26				4 36 6 7
W23	0 s 8					21 22 0 28			20 10 0 26		19 10 19 30		4 37 6 7
T 24		19 57 0n32	7 4 0 39			21 24 0 28			20 10 0 26			-	4 38 6 7
F 25 S 26		20 54 1 44 20 37 2 48	6 55 0 52			21 25 0 28 21 27 0 28			20 10 0 26 20 10 0 26		19 10 19 28 19 10 19 27		4 39 6 6 4 40 6 6
S 27													
M28	1 41 2 4	19 13 3 42 16 55 4 23	6 25 1 14		-	21 28 0 28 21 30 0 28			20 10 0 26 20 10 0 26		19 10 19 27 19 10 19 26		4 41 6 6 4 43 6 6
T 29	2 27	13 52 4 51	5 40 1 3			21 31 0 27							4 44 6 5
W30	2 s 5 1	10s17 5n 5	5n13 1n3	7 4n 8 1n26	12 s18 4 s47	21 s32 0n27	15 s 45 2n 2	22 s20 0 s29	20s11 0n26	17n33 5s47	19s 7 19s24	5n37	4s45 6n 5

 $\label{eq:Julian Day Number = 2510592.5, Delta T = 130.03 sec} \\ Ecliptic obliquity = 23°25'01, Nutation = 0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°59'58, Lahiri = 26°06'58 \\$

OCTOBER 2161 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)∤(卉	Р	S.	S	Ç	ķ	Day
T 1	0 40 11	8₽ 9'19	0 ∺ 59	22 Mp 6	24 m) 7	9°R46	10 ∡ ³35	20 m 2	20중34	27°R42	4938	25°R22	26 M 41	4 Υ 53	2°R52	T 1
F 2	0 44 8	9° 8'13	12°56	23°39	25°22	9) (43	10°44	20° 8	20°35	27 る 42	4°38	25 M .14	26°37	5° 0	2 米 50	F 2
S 3	0 48 4	10° 7'09	24°49	25°16	26°37	9°40	10°54	20°14	20°35	27°42	4°38	25° 5	26°34	5° 6	2°48	S 3
S 4	0 52 1	11° 6'07	6 Υ40	26°55	27°51	9°38	11° 3	20°20	20°35	27°42	4°R38	24°57	26°31	5°13	2°45	S 4
M 5	0 55 57	12° 5'06	18°31	28°35	29° 6	9°36	11°13	20°26	20°35	27°42	4°38	24°50	26°28	5°20	2°43	M 5
T 6	0 59 54	13° 4'08	0 8 23	0 ჲ 18	0 ჲ 21	9°D36	11°23	20°32	20°35	27°41	4°38	24°45	26°25	5°27	2°41	T 6
W 7	1 3 51	14° 3'12	12°19	2° 2	1°35	9°36	11°33	20°39	20°36	27°41	4°38	24°42	26°22	5°33	2°39	W 7
T 8	1 7 47	15° 2'18	24°21	3°47	2°50	9°37	11°43	20°45	20°36	27°41	4°38	24°D41	26°18	5°40	2°37	T 8
F 9	1 11 44	16° 1'27	6 Ⅲ 31	5°32	4° 5	9°39	11°53	20°51	20°37	27°D41	4°38	24°42	26°15	5°47	2°35	F 9
S 10	1 15 40	17° 0'37	18°54	7°18	5°20	9°41	12° 3	20°57	20°37	27°41	4°38	24°43	26°12	5°53	2°33	S 10
S 11	1 19 37	17°59'50	1933	9° 4	6°34	9°45	12°13	21° 4	20°38	27°41	4°37	24°45	26° 9	6° 0	2°32	S 11
M12	1 23 33	18°59'06	14°32	10°50	7°49	9°49	12°24	21°10	20°38	27°41	4°37	24°R46	26° 6	6° 7	2°30	M12
T 13	1 27 30	19°58'23	27°54	12°36	9° 4	9°54	12°34	21°17	20°39	27°41	4°37	24°46	26° 3	6°13	2°28	T 13
W14	1 31 26	20°57'43	$11\Omega 42$	14°22	10°19	9°59	12°45	21°23	20°40	27°42	4°37	24°44	25°59	6°20	2°26	W14
T 15	1 35 23	21°57'05	25°56	16° 7	11°34	10° 6	12°55	21°30	20°41	27°42	4°37	24°41	25°56	6°27	2°25	T 15
F 16	1 39 20	22°56'30	10 m 35	17°52	12°49	10°13	13° 6	21°36	20°41	27°42	4°36	24°37	25°53	6°33	2°23	F 16
S 17	1 43 16	23°55'57	25°33	19°37	14° 4	10°21	13°17	21°43	20°42	27°42	4°36	24°32	25°50	6°40	2°22	S 17
S 18	1 47 13	24°55'25	10 ≏ 43	21°21	15°19	10°30	13°28	21°49	20°43	27°42	4°36	24°28	25°47	6°47	2°20	S 18
M19	151 9	25°54'57	25°54	23° 4	16°34	10°39	13°39	21°56	20°44	27°43	4°36	24°25	25°43	6°53	2°19	M19
T 20	1 55 6	26°54'30	10 M 58	24°47	17°49	10°49	13°50	22° 3	20°45	27°43	4°35	24°23	25°40	7° 0	2°17	T 20
W21	1 59 2	27°54'05	25°44	26°29	19° 4	11° 0	14° 1	22° 9	20°46	27°43	4°35	24°D22	25°37	7° 7	2°16	W21
T 22	2 2 59	28°53'42	10 才 7	28°11	20°19	11°11	14°13	22°16	20°47	27°44	4°34	24°23	25°34	7°14	2°15	T 22
F 23	2 6 5 5	29°53'20	24° 3	29°52	21°34	11°23	14°24	22°23	20°48	27°44	4°34	24°24	25°31	7°20	2°14	F 23
S 24	2 10 52	0 M .53'01	7 る 33	1 M .32	22°49	11°36	14°35	22°30	20°50	27°45	4°34	24°26	25°28	7°27	2°12	S 24
S 25	2 14 49	1°52'43	20°36	3°12	24° 4	11°50	14°47	22°37	20°51	27°45	4°33	24°27	25°24	7°34	2°11	S 25
M26	2 18 45	2°52'27	3≈18	4°51	25°19	12° 4	14°59	22°43	20°52	27°46	4°33	24°R28	25°21	7°40	2°10	M26
T 27	2 22 42	3°52'13	15°41	6°30	26°34	12°19	15°10	22°50	20°54	27°46	4°32	24°27	25°18	7°47	2° 9	T 27
W28	2 26 38	4°52'00	27°50	8° 8	27°50	12°34	15°22	22°57	20°55	27°47	4°32	24°26	25°15	7°54	2° 8	W28
T 29	2 30 35	5°51'49	9)(49	9°45	29° 5	12°50	15°34	23° 4	20°56	27°48	4°31	24°23	25°12	8° 0	2° 8	T 29
F 30	2 34 31	6°51'39	21°42	11°22	0 M 20	13° 7	15°46	23°11	20°58	27°48	4°31	24°21	25° 9	8° 7	2° 7	F 30
S 31	2 38 28	7 M 51'32	3 Ƴ 32	12 M 59	1 M 35	13) 24	15 ₹ 58	23 M 18	20 궁 59	27 る 49	4930	24 M .18	25M 5	8 Υ 14	2 米 6	S 31

Day	0	D		ğ	i	φ)	ď	1	2	+	ħ	<u></u>);	j(4		Е)	R	U	Ç	Ł	;
	decl	decl la	nt	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	3 s14		5n 6	4n42	1n43	3n39	-	12 s15		21 s34				22 s20		20 s11	0n26			19s 5		5n39	4 s 4 6	
F 2 S 3	3 37 4 0		4 53 4 28	4 9 3 34	1 47 1 51	3 10 2 41	1 27 1 27	12 12 12 9		21 35 21 37	0 27 0 27	15 49 15 50	2 1 2 1	22 20 22 20		20 11 20 11	0 26 0 26		5 47 5 47		19 23 19 22	5 41 5 44	4 47 4 48	6 4
S 4	4 23	6 10	3 50	2 57	1 53	2 11	1 27	12 5	4 28	21 38	0 27	15 52	2 1	22 20	0 29	20 11	0 26	17 33	5 47	18 59	19 21	5 46	4 49	6 4
M 5	4 46	10 4	3 3	2 18	1 54	1 42	1 28	12 1	4 23	21 40	0 26	15 54	2 1	22 19	0 29	20 11	0 26	17 33	5 47	18 57	19 21	5 48	4 50	6 4
T 6	5 9	13 36	2 8	1 38	1 55	1 12	-	11 57		21 41		15 56	2 1	22 19		20 11	0 26				19 20	5 50	4 51	6 3
W 7			1 7	0 56	1 54	0 43		11 52		21 43		15 57		22 19		20 11	0 26				19 19	5 52	4 52	6 3
T 8			0 2	0 14	1 53	0 13		11 47		21 44		15 59		22 19		20 11	0 26				19 19	5 54	4 53	6 3
F 9			1 s 4	0s29	1 52	0s16		11 42		21 46	0 26			22 19		20 11	0 26				19 18	5 56	4 54	6 2
S 10	6 41	20 49	2 8	1 13	1 49	0 46	1 28	11 37	3 59	21 47	0 26	16 3		22 19	0 29	20 11	0 26	17 32	5 48	18 56	19 17	5 59	4 55	6 2
S 11			3 8	1 58	1 46	1 16	1 28	_		21 49	0 26			22 19		20 11	0 26				19 16	6 1	4 56	6 2
M12			3 59	2 42	1 43	1 46		11 25		21 50	0 25	16 6	2 0	/		20 11	0 26				19 16	6 3	4 57	6 1
T 13	7 48		4 39	3 27	1 39	2 15		11 19		21 52	0 25	16 8	2 0	-		20 11	0 26			18 56		6 5	4 58	6 1
W14			5 5	4 12	1 35	2 45		11 12		21 53	0 25	16 10		22 19		20 11	0 26	17 32			19 14	6 7	4 59	6 1
T 15	8 33		5 12	4 57	1 30	3 15		11 5		21 55	0 25	16 12		22 18		20 11	0 26	17 32			19 13	6 9	5 0	6 0
F 16	8 55		5 1	5 41	1 25	3 44		10 58		21 56	0 25			22 18		20 11	0 26				19 13	6 11	5 1	6 0
S 17	9 17	2 s20	4 28	6 26	1 20	4 14	1 25	10 51	3 26	21 58	0 25	16 15	1 59	22 18	0 29	20 11	0 26	17 32	5 48	18 53	19 12	6 13	5 1	6 0
S 18	9 38	7 34	3 37	7 10	1 15	4 43	1 25	10 43	3 21	21 59	0 25	16 17	1 59	22 18	0 29	20 11	0 25	17 32	5 49	18 52	19 11	6 16	5 2	5 59
M19	10 0	12 20	2 30	7 54	1 9	5 13	1 24	10 36	3 16		0 24	16 19	1 59	22 18	0 29	20 11	0 25	17 32	5 49	18 51	19 10	6 18	5 3	5 59
T 20			1 13	8 37	1 3	5 42		10 28	3 12		0 24	-		22 18		20 11	0 25	17 32			19 10	6 20	5 4	5 58
W21			0n 7	9 20	0 57	6 11		10 19		22 4	0 24			22 18		20 11	0 25			18 51		6 22	5 5	5 58
T 22			-	10 2	0 51	6 40		10 11		22 5	0 24	-		22 17		20 11	0 25			18 51		6 24	5 6	5 58
F 23	-	-		10 43	0 44	7 9		10 2	2 59		0 24			22 17		20 11		17 32		18 51		6 26	5 6	5 57
S 24	11 46	19 37	3 36	11 24	0 38	7 38	1 20	9 53	2 54	22 8	0 24	16 28	1 59	22 17	0 29	20 11	0 25	17 32	5 49	18 52	19 7	6 28	5 7	5 57
S 25				12 5	0 31	8 7	1 19	9 44		22 10		16 30		22 17		20 11	0 25			18 52		6 30	5 8	5 57
M26			-	12 45	0 25	8 35	1 17	9 35		22 11	0 23			22 16			0 25			18 52		6 32	5 9	5 56
T 27	-		-	13 24	0 18	9 3	1 16	9 25		22 12	0 23			22 16			0 25		5 49			6 35	5 9	5 56
W28	13 8		-	14 2	0 11	9 31	1 15	9 16		22 14	0 23			22 16			0 25		5 49			6 37	5 10	5 55
T 29	13 28	_	-	14 39	0 4	9 59	1 14	9 6		22 15		16 37		22 16		20 10	0 25		5 49		-	6 39	5 11	5 55
F 30	13 48	-	-	15 16	0s 2		1 12	8 56		22 17		16 39		22 16		20 10	0 25			18 50		6 41	5 11	5 55
S 31	14s 7	5n 9	4n 5	15 s52	0s 9	10s54	1n11	8 s45	2 s 2 5	22 s 18	0n23	16s41	In58	22 s15	0s29	20s10	0n25	17n31	5 s49	18 s50	19s 1	6n43	5 s 1 2	5n54

Julian Day Number = 2510622.5, Delta T = 130.09 sec Ecliptic obliquity = 23°25'01, Nutation = 0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°00'02, Lahiri = 26°07'02

NOVEMBER 2161 00:00 UT

.1012	DEN E	U _													00.0	0 0.
Day	Sid.t	0)	ğ	φ	♂	4	ħ)મ(卉	В	S.	Ω	Ç	ķ	Day
S 1	2 42 24	8ML51'26	15 Y 23	14 M _35	2M50	13) (42	16 × 10	23 M 25	21중 1	27 る 50	4°R29	24°R15	25 M 2	8 Υ 20	2°R 5	S 1
M 2	2 46 21	9°51'22	27°17	16°10	4° 5	14° 0	16°22	23°32	21° 3	27°51	49529	24 M 13	24°59	8°27	2 ∺ 5	M 2
T 3	2 50 18	10°51'20	9 8 15	17°45	5°21	14°19	16°34	23°39	21° 4	27°51	4°28	24°12	24°56	8°34	2° 4	T 3
W 4	2 54 14	11°51'19	21°21	19°19	6°36	14°38	16°46	23°46	21° 6	27°52	4°28	24°D12	24°53	8°40	2° 4	W 4
T 5	2 58 11	12°51'21	3 Ⅱ 35	20°53	7°51	14°58	16°59	23°53	21° 8	27°53	4°27	24°12	24°49	8°47	2° 3	T 5
F 6	3 2 7	13°51'25	15°59	22°27	9° 6	15°18	17°11	24° 0	21°10	27°54	4°26	24°12	24°46	8°54	2° 3	F 6
S 7	3 6 4	14°51'30	28°35	24° 0	10°22	15°39	17°23	24° 7	21°12	27°55	4°26	24°13	24°43	9° 1	2° 3	S 7
S 8	3 10 0	15°51'38	119525	25°33	11°37	16° 1	17°36	24°15	21°14	27°56	4°25	24°14	24°40	9° 7	2° 2	S 8
M 9	3 13 57	16°51'48	24°31	27° 6	12°52	16°22	17°48	24°22	21°16	27°57	4°24	24°15	24°37	9°14	2° 2	M 9
T 10	3 17 53	17°52'00	7 Ω 54	28°38	14° 8	16°45	18° 1	24°29	21°18	27°58	4°23	24°15	24°34	9°21	2° 2	T 10
W11	3 21 50	18°52'13	21°36	0 才 9	15°23	17° 7	18°13	24°36	21°20	27°59	4°23	24°R15	24°30	9°27	2° 2	W11
T 12	3 25 47	19°52'29	5 m 38	1°41	16°38	17°30	18°26	24°43	21°22	28° 0	4°22	24°15	24°27	9°34	2°D 2	T 12
F 13	3 29 43	20°52'47	19°58	3°12	17°53	17°54	18°39	24°50	21°24	28° 1	4°21	24°15	24°24	9°41	2° 2	F 13
S 14	3 33 40	21°53'07	4 ₾ 34	4°42	19° 9	18°18	18°52	24°57	21°26	28° 2	4°20	24°15	24°21	9°47	2° 2	S 14
S 15	3 37 36	22°53'28	19°21	6°12	20°24	18°42	19° 5	25° 5	21°28	28° 3	4°19	24°14	24°18	9°54	2° 2	S 15
M16	3 41 33	23°53'52	4 m .12	7°42	21°40	19° 7	19°17	25°12	21°30	28° 5	4°18	24°D14	24°14	10° 1	2° 3	M16
T 17	3 45 29	24°54'17	19° 1	9°12	22°55	19°32	19°30	25°19	21°33	28° 6	4°18	24°R14	24°11	10° 7	2° 3	T 17
W18	3 49 26	25°54'45	3 ∡7 40	10°41	24°10	19°57	19°43	25°26	21°35	28° 7	4°17	24°14	24° 8	10°14	2° 3	W18
T 19	3 53 22	26°55'13	1 <u>8</u> ° 1	12°10	25°26	20°23	19°56	25°33	21°37	28° 9	4°16	24°14	24° 5	10°21	2° 4	T 19
F 20	3 57 19	27°55'44	2ਰ 1	13°38	26°41	20°49	20° 9	25°40	21°40	28°10	4°15	24°14	24° 2	10°27	2° 4	F 20
S 21	4 1 16	28°56'15	15°36	15° 6	27°57	21°16	20°22	25°47	21°42	28°11	4°14	24°13	23°59	10°34	2° 5	S 21
S 22	4 5 12	29°56'48	28°46	16°33	29°12	21°43	20°36	25°55	21°45	28°13	4°13	24°13	23°55	10°41	2° 5	S 22
M23	4 9 9	0 ₮ 57'22	11 ≈ 33	18° 0	0 ∡ 127	22°10	20°49	26° 2	21°47	28°14	4°12	24°12	23°52	10°47	2° 6	M23
T 24	4 13 5	1°57'58	24° 0	19°26	1°43	22°38	21° 2	26° 9	21°50	28°15	4°11	24°12	23°49	10°54	2° 7	T 24
W25	4 17 2	2°58'34	6 ∺ 11	20°51	2°58	23° 6	21°15	26°16	21°52	28°17	4°10	24°D12	23°46	11° 1	2° 8	W25
T 26	4 20 58	3°59'12	18°10	22°16	4°14	23°34	21°29	26°23	21°55	28°18	4° 9	24°12	23°43	11° 8	2° 9	T 26
F 27	4 24 55	4°59'50	oΥ 2	23°40	5°29	24° 2	21°42	26°30	21°58	28°20	4° 8	24°13	23°40	11°14	2° 9	F 27
S 28	4 28 51	6° 0'30	11°51	25° 3	6°44	24°31	21°55	26°37	22° 1	28°21	4° 7	24°14	23°36	11°21	2°10	S 28
S 29	4 32 48	7° 1'11	23°43	26°24	8° 0	25° 0	22° 9	26°44	2 <u>2</u> ° 3	2 <u>8</u> °23	4° 6	24°15	23°33	11°28	2°12	S 29
M30	4 36 45	8 .7 1'54	5 8 40	27 × 745	9 ∡ 15	25 米 29	22 × 22	26M52	22 궁 6	28 궁 25	499 5	24MJ16	23 M .30	11 ° 34	2) 13	M30

Day	0	D	Š	Į .	Ф		ď	7	2	+	ħ	l.)į	β (4	7	Е	<u>-</u>	n	Ω	Ç	Š	
	decl	decl lat	decl	lat	decl l	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14 s26	-	19 16s27			1n10	8 s35		22 s 19				22 s15		20 s10					19s 0	6n45	5 s 1 2	5n54
M 2	14 45		24 17 1		-	1 8	8 24		22 21	0 23			22 15		20 10				18 49		6 47	5 13	5 53
T 3 W 4	15 4		22 17 35 16 18 7			1 7	8 13		22 22	0 22			22 14		20 10	0 25				18 59	6 49	5 14	5 53
T 5			16 18 7 52 18 39	0 30 1	12 41 13 7	1 5	8 2 7 51		22 23 22 25	0 22 0 22			22 14 22 14		20 10	0 25 0 25			18 48	18 58	6 51 6 53	5 14 5 15	5 53 5 52
F 6	15 59				13 33	1 2	7 40			0 22			22 14			0 25			18 48		6 55	5 15	5 52
S 7		20 25 3	0 19 39		13 58	1 0	7 29		22 27		16 53		22 13				17 31			18 56	6 57	5 16	5 51
S 8	16 34	19 3 3	53 20 8	1 2 1	14 23	0 58	7 17	1 55	22 29	0 22	16 55	1 57	22 13	0 29	20 9	0 25	17 31	5 50	18 49	18 55	6 59	5 16	5 51
M 9	16 51	16 40 4	36 20 36	1 8 1	14 48	0 56	7 6	1 52	22 30	0 22	16 57	1 57	22 13	0 29	20 9	0 25	17 31	5 50	18 49	18 54	7 2	5 17	5 51
T 10	17 8	13 22 5	5 21 2	1 14 1	15 12	0 54	6 54	1 49	22 31	0 22	16 59	1 57	22 12	0 29	20 9	0 25	17 31	5 50	18 49	18 54	7 4	5 17	5 50
W11	17 25	9 17 5	17 21 28	1 20 1	15 36	0 53	6 42	1 45	22 32	0 21	17 0	1 57	22 12	0 29	20 8	0 25	17 31	5 50	18 49	18 53	7 6	5 17	5 50
T 12	17 41	4 36 5	11 21 53		15 59	0 51	6 30		22 34	0 21			22 12			0 25	17 31			18 52	7 8	5 18	5 49
F 13	17 58		46 22 16	-	-	0 49	6 18		22 35	0 21			22 11	0 29		0 25				18 51	7 10	5 18	5 49
S 14	18 13	5 31 4	2 22 39	1 37 1	16 45	0 47	6 5	1 35	22 36	0 21	17 6	1 57	22 11	0 29	20 8	0 25	17 31	5 50	18 49	18 50	7 12	5 19	5 49
S 15	18 29	-	2 23 0	1 42 1	17 7	0 45	5 53		22 37	0 21	17 7		22 11	0 29	20 8	0 25	17 31			18 50	7 14	5 19	5 48
M16	-		49 23 20			0 43	5 40		22 38	0 21	17 9		22 10			0 25				18 49	7 16	5 19	5 48
T 17			29 23 39		17 50	0 40	5 28		22 39	0 21			22 10			0 25				18 48	7 18	5 19	5 47
W18	19 13		152 23 57		-	0 38	5 15		22 41		17 13	1 57				0 25			18 49		7 20	5 20	5 47
T 19			8 24 14			0 36	5 2		22 42		17 14	1 57				0 25				18 46	7 22	5 20	5 46
F 20	19 41		15 24 29			0 34	4 49		22 43		17 16	1 57				0 25				18 46	7 24	5 20	5 46
S 21	19 54	18 24 4	8 24 43	2 9 1	19 10	0 32	4 36	1 14	22 44	0 20	17 18	1 57	22 8	0 29	20 6	0 25	17 31	5 50	18 49	18 45	7 26	5 20	5 46
		-	47 24 56		-	0 29	4 23		22 45		17 19	1 57				0 25				18 44	7 28	5 20	5 45
_	20 20		10 25 8	-		0 27	4 9		22 46	0 20		1 57				0 25	17 31			18 43	7 30	5 21	5 45
	20 32		17 25 18		-	0 25	3 56		,	0 20		1 57				0 25	17 31			18 43	7 32	5 21	5 44
1	20 44		11 25 27		-	0 23	3 42		-	0 20		1 57				0 25	17 31			18 42	7 34	5 21	5 44
-	20 56		50 25 35			0 20	3 29		22 49	0 20		1 57	-	-		0 25	17 31		18 48	-	7 36	5 21	5 44
	21 7		18 25 41	2 25 2		0 18	3 15		22 50	0 20		1 57	-	-		0 25				18 40	7 38	5 21	5 43
S 28	21 17	7 58 3	34 25 46	2 26 2	21 9	0 16	3 1	0 55	22 51	0 20	17 29	1 57	22 5	0 28	20 4	0 25	17 31	5 51	18 49	18 39	7 40	5 21	5 43
S 29	21 28	11 42 2	41 25 49	2 27 2	21 24	0 13	2 47	0 53	22 52	0 20	17 31	1 57	22 5	0 28	20 4	0 24	17 31	5 51	18 49	18 39	7 42	5 21	5 42
M30	21 s38	15n 0 1n	41 25 s 5 1	2 s28 2	21 s38	0n11	2 s34	0s50	22 s52	0n19	17 s33	1n57	22 s 4	0 s28	20 s 4	0n24	17n31	5 s 5 1	18 s49	18 s38	7n44	5 s 2 1	5n42

 $\label{eq:Julian Day Number = 2510653.5, Delta T = 130.15 sec} \\ Ecliptic obliquity = 23°25'01, Nutation = 0°00'13, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°00'06, Lahiri = 26°07'07 \\$

DECEMBER 2161 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	24	ħ)ұ(¥	Р	R	ດ	Ç	ķ	Day
T 1	4 40 41	9 x ¹ 2'37	17847	29 🗗 4	10 7 31	25) 59	22 × 35	26ML59	₂₂ ප් 9	28 ප් 26	4°R 4	24 M ₁ 7	23 M 27	11 ° 41	2) 14	T 1
W 2	4 44 38	10° 3'22	0Π 4	ිසි21	11°46	26°29	22°49	27° 6	22°12	28°28	499 3	24°R17	23°24	11°48	2°15	W 2
T 3	4 48 34	11° 4'07	12°34	1°36	13° 1	26°59	23° 2	27°13	22°15	28°30	4° 2	24°16	23°20	11°54	2°16	T 3
F 4	4 52 31	12° 4'54	25°18	2°50	14°17	27°29	23°16	27°20	22°17	28°31	4° 1	24°14	23°17	12° 1	2°18	F 4
S 5	4 56 27	13° 5'43	8915	4° 0	15°32	28° 0	23°29	27°27	22°20	28°33	3°59	24°12	23°14	12° 8	2°19	S 5
S 6	5 0 24	14° 6'32	21°27	5° 8	16°48	28°31	23°43	27°34	22°23	28°35	3°58	24° 9	23°11	12°14	2°21	S 6
M 7	5 4 20	15° 7'23	4 Ω 51	6°12	18° 3	29° 2	23°56	27°41	22°26	28°36	3°57	24° 6	23° 8	12°21	2°22	M 7
T 8	5 8 17	16° 8'15	18°27	7°13	19°19	29°33	24°10	27°48	22°29	28°38	3°56	24° 3	23° 5	12°28	2°24	T 8
W 9	5 12 14	17° 9'09	2 m 15	8° 9	20°34	0 Υ 4	24°23	27°54	22°32	28°40	3°55	24° 1	23° 1	12°34	2°25	W 9
T 10	5 16 10	18°10'03	16°14	9° 0	21°49	0°36	24°37	28° 1	22°35	28°42	3°54	24°D 1	22°58	12°41	2°27	T 10
F 11	5 20 7	19°10'59	0 ჲ 21	9°45	23° 5	1° 8	24°51	28° 8	22°39	28°44	3°53	24° 1	22°55	12°48	2°29	F 11
S 12	5 24 3	20°11'56	14°36	10°24	24°20	1°40	25° 4	28°15	22°42	28°46	3°51	24° 2	22°52	12°54	2°31	S 12
S 13	5 28 0	21°12'55	28°57	10°56	25°36	2°12	25°18	28°22	22°45	28°47	3°50	24° 4	22°49	13° 1	2°33	S 13
M14	5 31 56	22°13'54	13 M 20	11°19	26°51	2°44	25°32	28°29	22°48	28°49	3°49	24° 5	22°46	13° 8	2°34	M14
T 15	5 35 53	23°14'55	27°42	11°33	28° 7	3°17	25°45	28°35	22°51	28°51	3°48	24°R 5	22°42	13°14	2°36	T 15
W16	5 39 49	24°15'57	11 ∡ 758	11°R38	29°22	3°50	25°59	28°42	22°54	28°53	3°47	24° 4	22°39	13°21	2°38	W16
T 17	5 43 46	25°17'00	26° 3	11°31	0 궁 38	4°23	26°13	28°49	22°58	28°55	3°46	24° 1	22°36	13°28	2°41	T 17
F 18	5 47 43	26°18'03	9 궁 53	11°14	1°53	4°56	26°26	28°55	23° 1	28°57	3°44	23°57	22°33	13°34	2°43	F 18
S 19	5 51 39	27°19'07	23°24	10°45	3° 9	5°29	26°40	29° 2	23° 4	28°59	3°43	23°51	22°30	13°41	2°45	S 19
S 20	5 55 36	28°20'11	6≈33	10° 4	4°24	6° 3	26°54	29° 9	23° 7	29° 1	3°42	23°45	22°26	13°48	2°47	S 20
M21	5 59 32	2 <u>9</u> °21'16	19°22	9°12	5°40	6°36	27° 7	29°15	23°11	29° 3	3°41	23°40	22°23	13°54	2°49	M21
T 22	6 3 29	0පි22'21	1 ₩52	8°10	6°55	7°10	27°21	29°22	23°14	29° 5	3°40	23°35	22°20	14° 1	2°52	T 22
W23	6 7 25	1°23'27	14° 4	6°59	8°10	7°44	27°35	29°28	23°17	29° 7	3°38	23°31	22°17	14° 8	2°54	W23
T 24	6 11 22	2°24'33	26° 4	5°42	9°26	8°18	27°48	29°35	23°21	29° 9	3°37	23°30	22°14	14°15	2°57	T 24
F 25	6 15 18	3°25'39	7 Υ 56	4°21	10°41	8°52	28° 2	29°41	23°24	29°11	3°36	23°D29	22°11	14°21	2°59	F 25
S 26	6 19 15	4°26'45	19°46	2°58	11°57	9°27	28°15	29°47	23°28	29°14	3°35	23°31	22° 7	14°28	3° 2	S 26
S 27	6 23 12	5°27'51	1 8 37	1°37	13°12	10° 1	28°29	29°54	23°31	29°16	3°34	23°32	22° 4	14°35	3° 4	S 27
M28	6 27 8	6°28'58	13°36	0°20	14°28	10°36	28°43	29°59	23°34	29°18	3°32	23°34	22° 1	14°41	3° 7	M28
T 29	6 31 5	7°30'05	25°47	29 × 9	15°43	11°10	28°56	0 √ 6	23°38	29°20	3°31	23°R34	21°58	14°48	3°10	T 29
W30	6 35 1	8°31'12	8 Ⅱ 14	28° 6	16°58	11°45	29°10	0°12	23°41	29°22	3°30	23°33	21°55	14°55	3°12	W30
T 31	6 38 58	9 ට 32'19	20∏58	27 × 12	18 궁 14	12 Y 20	29 × 124	0 才 18	23 궁 45	29 궁 24	3929	23 M 30	21 M 52	15 Y 1	3 ∺ 15	T 31

Day	0	D	ğ	·	ď	4	ħ)Å(并	Р	& U	Ç	ķ
	decl	decl lat	decl lat	t decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
T 1 W 2	21 s47 21 56			2 s27 21 s52 On 8 2 26 22 5 O 6		22 s53 0n19 22 54 0 19	17 s34 1n57 17 36 1 57		20s 3 0n24 20 3 0 24		18 s 49 18 s 37 18 49 18 36	7n46 7 48	5 s 2 1 5 n 4 2 5 2 1 5 4 1
T 3 F 4 S 5	-	20 37 2 43	25 46 2	2 25 22 17 0 4 2 23 22 28 0 1 2 20 22 39 0s 1	1 37 0 41	22 56 0 19	17 37 1 57 17 39 1 57 17 41 1 57	22 2 0 28	20 2 0 24	17 31 5 51	18 49 18 35 18 49 18 35 18 48 18 34	7 50 7 52 7 54	-
S 6 M 7 T 8 W 9		17 20 4 25 14 13 4 57 10 18 5 13 5 48 5 12	25 28 2 25 19 2	2 16 22 49 0 3 2 12 22 59 0 6 2 6 23 7 0 8 2 0 23 16 0 11	0 54 0 34 0 40 0 32	22 58 0 19 22 59 0 19	17 42 1 57 17 44 1 57 17 45 1 57 17 47 1 57	22 1 0 28 22 1 0 28	20 1 0 24 20 1 0 24	17 31 5 51 17 31 5 51	18 47 18 33 18 47 18 32 18 46 18 31 18 46 18 31	7 56 7 58 8 0 8 2	5 20 5 39
T 10 F 11 S 12	22 53 22 59 23 3	0 57 4 52 4s 1 4 14 8 50 3 20	2 24 59 1 4 24 47 1 0 24 34 1	1 52 23 23 0 13 1 44 23 30 0 15 1 34 23 36 0 18	0 11 0 28 0n 3 0 26 0 18 0 24	23 0 0 18 23 1 0 18 23 1 0 18	17 48 1 57 17 50 1 57 17 51 1 57	22 0 0 28 21 59 0 28 21 58 0 28	20 0 0 24 20 0 0 24 20 0 0 24	17 31 5 51 17 31 5 51 17 31 5 51	18 45 18 30 18 45 18 29 18 46 18 28	8 4 8 6 8 8	5 20 5 38 5 19 5 38 5 19 5 37
T 15 W16 T 17 F 18	23 15 23 18 23 20	16 46 0 59 19 18 0n20 20 37 1 37 20 35 2 46 19 19 3 45	24 6 1 0 23 51 0 7 23 36 0 5 23 20 0 5 23 4 0	1 23 23 41 0 20 1 10 23 45 0 23 0 56 23 49 0 25 0 41 23 52 0 27 0 25 23 54 0 29 0 7 23 56 0 32 0n11 23 57 0 34	0 47 0 20 1 2 0 18 1 17 0 16 1 32 0 14 1 46 0 12	23 2 0 18 23 3 0 18 23 3 0 18 23 4 0 18 23 4 0 18	17 54 1 57 17 55 1 57 17 57 1 57 17 58 1 57 18 0 1 57	21 57 0 28 21 57 0 28 21 56 0 28 21 56 0 28 21 56 0 28 21 55 0 28	19 58 0 24 19 58 0 24 19 57 0 24	17 31 5 50 17 31 5 50 17 31 5 50 17 32 5 50 17 32 5 50	18 46 18 27 18 46 18 27 18 47 18 26 18 46 18 25 18 46 18 24 18 45 18 23 18 43 18 23	8 10 8 12 8 14 8 16 8 18 8 20 8 22	5 18 5 37 5 18 5 36 5 18 5 36 5 17 5 35 5 17 5 35
M21 T 22 W23 T 24 F 25	23 24 23 25 23 25 23 25 23 24 23 22 23 21	10 5 5 11 6 0 5 8 1 46 4 52 2n28 4 23	22 16 0 3 22 0 1 2 21 44 1 3 21 29 1 3 21 14 2	0 31 23 57 0 36 0 50 23 56 0 38 1 10 23 55 0 41 1 30 23 53 0 43 1 49 23 50 0 45 2 6 23 46 0 47 2 22 23 42 0 49	2 31 0 7 2 46 0 5 3 1 0 3 3 16 0 2 3 31 0 0	23 6 0 17 23 6 0 17 23 7 0 17 23 7 0 17	18 4 1 57 18 5 1 57 18 6 1 57 18 8 1 57 18 9 1 57	21 54 0 28 21 53 0 28 21 52 0 28 21 52 0 28 21 51 0 28	19 56 0 24 19 55 0 24 19 55 0 24	17 32 5 50 17 32 5 50 17 32 5 50 17 32 5 50 17 32 5 50	18 42 18 22 18 40 18 21 18 39 18 20 18 38 18 19 18 38 18 19 18 38 18 18 18 38 18 17	8 24 8 26 8 28 8 30 8 32 8 34 8 36	5 15 5 34 5 14 5 33 5 14 5 33 5 13 5 33
T 29 W30	23 18 23 15 23 12 23 9 23 s 4	16 46 0 54 19 0 0s12 20 22 1 19	20 38 2 2 20 29 2 2 20 22 3	2 36 23 37 0 51 2 47 23 31 0 53 2 56 23 24 0 55 3 2 23 17 0 57 3n 6 23 8 9 0 s59	4 16 0 4 4 30 0 6 4 45 0 7	23 8 0 17 23 8 0 17 23 8 0 17	18 13 1 58 18 14 1 58 18 15 1 58	21 50 0 28 21 49 0 28 21 48 0 28	19 54 0 24 19 53 0 24 19 53 0 24 19 52 0 24 19 52 0n24	17 32 5 50 17 32 5 50 17 33 5 50	18 38 18 16 18 39 18 15 18 39 18 14 18 39 18 14 18 s38 18 s13	8 40 8 42 8 44	5 11 5 32 5 11 5 31 5 10 5 31

Julian Day Number = 2510683.5, Delta T = 130.21 sec Ecliptic obliquity = $23^{\circ}25'00$, Nutation = $0^{\circ}00'13$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}00'10$, Lahiri = $26^{\circ}07'11$