

Astrodienst Ephemeris Tables for the year 2149

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 2149 00:00 UT

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Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	В	ស	ລ	Ç	Ŗ	Day
W 1	6 43 28	10 ට 42'40	0 ჲ 40	22°R49	29 × 751	4°R46	1 .7 17	7°R52	0 ∡ 139	2 る 0	19°R47	2 Ω 18	3 Ω 13	26 ♀ 3	25M22	W 1
T 2	6 47 24	11°43'48	12°36	22°D45	1පි 6	4∐41	1°28	7 Ⅱ 48	0°42	2° 2	19 Ⅱ 46	2°R18	3°10	26° 9	25°28	T 2
F 3	6 51 21	12°44'57	24°28	22 × 350	2°22	4°37	1°40	7°44	0°45	2° 5	19°45	2°17	3° 7	26°16	25°35	F 3
S 4	6 55 17	13°46'06	6M21	23° 4	3°37	4°33	1°51	7°41	0°48	2° 7	19°44	2°16	3° 4	26°23	25°41	S 4
S 5	6 59 14	14°47'16	18°20	23°25	4°53	4°30	2° 3	7°37	0°51	2° 9	19°43	2°14	3° 1	26°30	25°48	S 5
M 6	7 3 10	15°48'26	0 ∡ 27	23°54	6° 8	4°28	2°14	7°34	0°54	2°11	19°42	2°11	2°57	26°36	25°54	M 6
T 7	7 7 7	16°49'36	12°47	24°28	7°23	4°27	2°25	7°31	0°57	2°14	19°41	2° 9	2°54	26°43	26° 0	T 7
W 8	7 11 4	17°50'46	25°21	25° 9	8°39	4°D27	2°37	7°28	1° 0	2°16	19°40	2° 6	2°51	26°50	26° 7	W 8
T 9	7 15 0	18°51'56	8 ਰ 11	25°54	9°54	4°27	2°48	7°25	1° 3	2°18	19°39	2° 5	2°48	26°56	26°13	T 9
F 10	7 18 57	19°53'06	21°17	26°45	11°10	4°28	2°59	7°22	1° 6	2°20	19°38	2° 4	2°45	27° 3	26°19	F 10
S 11	7 22 53	20°54'16	4≈38	27°39	12°25	4°30	3°10	7°19	1° 8	2°22	19°37	2°D 4	2°42	27°10	26°25	S 11
S 12	7 26 50	21°55'25	18°12	28°37	13°41	4°33	3°20	7°16	1°11	2°25	19°36	2° 4	2°38	27°17	26°31	S 12
M13	7 30 46	22°56'34	1 ∺ 59	29°38	14°56	4°36	3°31	7°13	1°14	2°27	19°35	2° 5	2°35	27°23	26°37	M13
T 14	7 34 43	23°57'43	15°55	0 궁 42	16°12	4°40	3°42	7°11	1°16	2°29	19°34	2° 6	2°32	27°30	26°42	T 14
W15	7 38 40	24°58'51	29°58	1°48	17°27	4°45	3°52	7° 8	1°19	2°31	19°33	2° 6	2°29	27°37	26°48	W15
T 16	7 42 36	25°59'58	14 Y 6	2°57	18°43	4°51	4° 3	7° 6	1°21	2°33	19°32	2° 7	2°26	27°44	26°54	T 16
F 17	7 46 33	27° 1'05	28°17	4° 8	19°58	4°57	4°13	7° 3	1°24	2°35	19°31	2°R 7	2°22	27°50	26°59	F 17
S 18	7 50 29	28° 2'11	12828	5°21	21°13	5° 4	4°24	7° 1	1°26	2°37	19°30	2° 7	2°19	27°57	27° 5	S 18
S 19	7 54 26	29° 3'16	26°38	6°36	22°29	5°12	4°34	6°59	1°29	2°39	19°29	2° 6	2°16	28° 4	27°10	S 19
M20	7 58 22	0≈ 4'21	10 Ⅱ 44	7°52	23°44	5°20	4°44	6°57	1°31	2°41	19°28	2° 6	2°13	28°10	27°15	M20
T 21	8 2 19	1° 5'24	24°43	9°10	25° 0	5°29	4°54	6°55	1°34	2°44	19°28	2° 6	2°10	28°17	27°20	T 21
W22	8 6 15	2° 6'27	8932	10°29	26°15	5°38	5° 4	6°54	1°36	2°46	19°27	2°D 6	2° 7	28°24	27°26	W22
T 23	8 10 12	3° 7'30	22° 9	11°49	27°30	5°48	5°14	6°52	1°38	2°48	19°26	2° 6	2° 3	28°31	27°31	T 23
F 24	8 14 9	4° 8'31	5 Ω 31	13°10	28°46	5°59	5°23	6°50	1°40	2°50	19°25	2°R 6	2° 0	28°37	27°35	F 24
S 25	8 18 5	5° 9'32	18°37	14°33	0≈ 1	6°11	5°33	6°49	1°42	2°52	19°24	2° 6	1°57	28°44	27°40	S 25
S 26	8 22 2	6°10'32	1 m) 27	15°56	1°17	6°22	5°42	6°48	1°45	2°54	19°24	2° 6	1°54	28°51	27°45	S 26
M27	8 25 58	7°11'31	14° 0	17°21	2°32	6°35	5°52	6°46	1°47	2°56	19°23	2° 5	1°51	28°57	27°50	M27
T 28	8 29 55	8°12'30	26°18	18°46	3°47	6°48	6° 1	6°45	1°49	2°58	19°22	2° 4	1°48	29° 4	27°54	T 28
W29	8 33 51	9°13'28	8 ≏ 25	20°12	5° 3	7° 1	6°10	6°44	1°51	2°59	19°22	2° 3	1°44	29°11	27°59	W29
T 30	8 37 48	10°14'26	20°22	2 <u>1°</u> 39	6°18	7°16	6°19	6°43	1°53	3° 1	19°21	2° 3	1°41	29°18	28° 3	T 30
F 31	8 41 44	11≈15'22	2 M .15	23중 7	7≈33	7 Ⅲ 30	6 ₮ 28	6 Ⅱ 43	1 ₹ 54	3 る 3	19 Ⅱ 20	2 N 2	1 N 38	29 ≏ 24	28M 8	F 31

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W 1 T 2	22 s59 22 54	3n51 4n29 0s25 4 5		3n 3 23 s20 On 5 2 59 23 23 O 2		19s34 0n50 19 37 0 50	-		22 s16 1 n 8 22 16 1 8		19n38 19n25 19 38 19 26	5 s 17 5 20	
F 3 S 4	22 48 22 42		2 20 20 2		23 37 2 37	19 39 0 50 19 41 0 51	19 43 1 53	20 5 0 12	22 16 1 8 22 16 1 8	13 34 9 29	19 38 19 27 19 38 19 27	5 22 5 24	16 57 2 15
S 5 M 6				2 33 23 24 0 8	23 36 2 38	19 44 0 51 19 46 0 51	19 43 1 53 19 42 1 52		22 16 1 8 22 16 1 8		19 39 19 28 19 39 19 29	5 26 5 29	
T 7 W 8 T 9	22 14	20 11 3 9	9 21 3 2	2 17 23 21 0 12	23 36 2 38	19 48 0 51 19 50 0 51 19 52 0 51	19 42 1 52	20 8 0 12	22 16 1 8 22 16 1 8 22 16 1 8	13 34 9 29	19 40 19 30 19 40 19 30 19 41 19 31	5 31 5 33 5 36	17 2 2 17
	21 57 21 48					19 54 0 51 19 56 0 51			22 16 1 8 22 16 1 8		19 41 19 32 19 41 19 32	5 38 5 40	
S 12 M13 T 14	21 38 21 28 21 18		3 21 54 1	1 31 22 59 0 24			19 40 1 51			13 34 9 28	19 41 19 33 19 41 19 34 19 41 19 35	5 43 5 45 5 47	17 7 2 19
W15 T 16 F 17	21 7 20 56 20 44		2 22 20 1	1 13 22 46 0 29 1 3 22 38 0 31 0 54 22 29 0 33		20 6 0 51	19 40 1 50	20 13 0 12	22 16 1 8 22 16 1 8 22 16 1 8	13 35 9 27	19 40 19 35 19 40 19 36 19 40 19 37	5 49 5 52 5 54	17 10 2 21
S 18	20 32								22 16 1 8		19 40 19 38	5 56	
S 19 M20 T 21	19 54	17 57 4 8 20 6 3 13	3 22 44 0 3 22 47 0	0 28 21 59 0 40 0 19 21 48 0 42	23 45 2 37 23 46 2 37	20 12 0 51 20 14 0 51 20 15 0 51	19 39 1 49 19 39 1 49	20 15 0 12 20 15 0 12	22 16 1 8 22 15 1 8 22 15 1 8	13 35 9 27 13 35 9 26	19 40 19 38 19 40 19 39 19 40 19 40	6 3	17 13 2 23 17 13 2 23
W22 T 23 F 24	19 40 19 27 19 12	20 42 0 53	5 22 51 0	0 2 21 24 0 46	23 49 2 37	20 17 0 51 20 19 0 51 20 20 0 51	19 39 1 48	20 16 0 12	22 15 1 8 22 15 1 8 22 15 1 8	13 36 9 26	19 40 19 40 19 40 19 41 19 40 19 42		17 14 2 24 17 15 2 24 17 15 2 25
S 25	18 58								22 15 1 8		19 41 19 42	6 12	
S 26 M27 T 28	18 43 18 27 18 12		2 22 46 0	0 29 20 27 0 54	23 56 2 35	20 25 0 51	19 39 1 47	20 18 0 12	22 15 1 8 22 15 1 8 22 15 1 8	13 36 9 25	19 41 19 43 19 41 19 44 19 41 19 45	6 15 6 17 6 19	17 17 2 26
W29 T 30 F 31	17 56 17 40 17 s23	1 7 4 50 3 s 10 5 10	22 37 0 22 30 0	0 43 19 55 0 57 0 50 19 38 0 59	24 0 2 35 24 2 2 34	20 28 0 52 20 30 0 52	19 40 1 47 19 40 1 47	20 19 0 12 20 19 0 12	22 15 1 8 22 15 1 8 22 s15 1 n 8	13 36 9 25 13 36 9 25	19 41 19 45 19 41 19 46 19n41 19n47	6 22 6 24 6 s26	17 18 2 28

Julian Day Number = 2505966.5, Delta T = 120.98 sec Ecliptic obliquity = $23^{\circ}25'06$, Nutation = - $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}49'20$, Lahiri = $25^{\circ}56'21$

FEBRUARY 2149 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)ф(1 4	Р	V	v	Ç	Ŗ	Day
S 1	8 45 41	12≈16'19	14 M 8	24 궁 36	8≈49	7 Ⅱ 45	6 ₮ 37	6°R42	1 ∡ 756	3 ප 5	19°R20	2°D 2	1 Q 35	29 ॒ 31	28 M 12	S 1
S 2	8 49 38	13°17'14	26° 6	26° 5	10° 4	8° 1	6°46	6 Ⅱ 41	1°58	3° 7	19 II 19	2 0 2	1°32	29°38	28°16	S 2
M 3	8 53 34	14°18'09	8 ~ 13	27°35	11°20	8°17	6°54	6°41	2° 0	3° 9	19°18	2° 3	1°28	29°45	28°20	M 3
T 4	8 57 31	15°19'03	20°34	29° 6	12°35	8°33	7° 3	6°41	2° 1	3°11	19°18	2° 4	1°25	29°51	28°24	T 4
W 5	9 1 27	16°19'56	3 る 12	0≈38	13°50	8°50	7°11	6°40	2° 3	3°12	19°17	2° 5	1°22	29°58	28°28	W 5
T 6	9 5 24	17°20'49	16°10	2°10	15° 6	9°8	7°19	6°D40	2° 5	3°14	19°17	2° 7	1°19	OM 5	28°31	T 6
F 7	9 9 20	18°21'40	29°30	3°44	16°21	9°26	7°27	6°40	2° 6	3°16	19°16	2°R 7	1°16	0°11	28°35	F 7
S 8	9 13 17	19°22'31	13 ≈ 12	5°17	17°36	9°44	7°35	6°40	2° 8	3°18	19°16	2° 7	1°13	0°18	28°39	S 8
S 9	9 17 13	20°23'20	27°12	6°52	18°51	10° 3	7°43	6°41	2° 9	3°19	19°15	2° 6	1° 9	0°25	28°42	S 9
M10	9 21 10	21°24'08	11 米 28	8°28	20° 7	10°22	7°51	6°41	2°11	3°21	19°15	2° 3	1° 6	0°32	28°45	M10
T 11	9 25 7	22°24'54	25°54	10° 4	21°22	10°41	7°58	6°41	2°12	3°23	19°14	2° 1	1° 3	0°38	28°48	T 11
W12	9 29 3	23°25'39	10 Y 25	11°41	22°37	11° 1	8° 6	6°42	2°13	3°24	19°14	1°58	1° 0	0°45	28°52	W12
T 13	9 33 0	24°26'23	24°53	13°19	23°53	11°21	8°13	6°43	2°14	3°26	19°13	1°55	0°57	0°52	28°55	T 13
F 14	9 36 56	25°27'04	9 8 16	14°57	25° 8	11°42	8°20	6°43	2°16	3°27	19°13	1°53	0°54	0°59	28°57	F 14
S 15	9 40 53	26°27'45	23°29	16°37	26°23	12° 3	8°27	6°44	2°17	3°29	19°12	1°D52	0°50	1° 5	29° 0	S 15
S 16	9 44 49	27°28'23	7 Ⅲ 30	18°17	27°38	12°25	8°34	6°45	2°18	3°31	19°12	1°53	0°47	1°12	29° 3	S 16
M17	9 48 46	28°29'00	21°18	19°58	28°53	12°46	8°40	6°47	2°19	3°32	19°12	1°54	0°44	1°19	29° 6	M17
T 18	9 52 42	29°29'35	4953	21°40	0 米 9	13° 8	8°47	6°48	2°20	3°34	19°11	1°55	0°41	1°25	29° 8	T 18
W19	9 56 39	0 ∺ 30'09	18°15	23°23	1°24	13°31	8°53	6°49	2°21	3°35	19°11	1°57	0°38	1°32	29°10	W19
T 20	10 0 36	1°30'41	1 Ω 25	25° 7	2°39	13°53	8°59	6°51	2°21	3°36	19°11	1°R57	0°34	1°39	29°13	T 20
F 21	10 4 32	2°31'11	14°23	26°51	3°54	14°16	9° 5	6°52	2°22	3°38	19°11	1°57	0°31	1°46	29°15	F 21
S 22	10 8 29	3°31'39	27° 9	28°37	5° 9	14°40	9°11	6°54	2°23	3°39	19°10	1°54	0°28	1°52	29°17	S 22
S 23	10 12 25	4°32'06	9 m /44	0 ∺ 23	6°24	15° 3	9°17	6°56	2°24	3°41	19°10	1°50	0°25	1°59	29°19	S 23
M24	10 16 22	5°32'31	22° 7	2°11	7°39	15°27	9°23	6°58	2°24	3°42	19°10	1°45	0°22	2° 6	29°21	M24
T 25	10 20 18	6°32'55	4 ₾ 20	3°59	8°54	15°51	9°28	7° 0	2°25	3°43	19°10	1°39	0°19	2°12	29°22	T 25
W26	10 24 15	7°33'17	16°24	5°49	10°10	16°16	9°33	7° 2	2°25	3°44	19°10	1°32	0°15	2°19	29°24	W26
T 27	10 28 11	8°33'38	28°21	7°39	11°25	16°40	9°39	7° 4	2°26	<u>3°46</u>	19°10	1°26	0°12	2°26	29°26	T 27
F 28	10 32 8	9) 33'57	10 M 13	9) (30	12) (40	17 II 5	9 ~ 144	7 I I 6	2 ₹ 26	3 ⋜ 47	19 Ⅱ 10	$1\Omega 20$	oΩ 9	2 M .33	29 M 27	F 28

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s 6	11 s 8	5n10	22 s13	1 s 3	19s 3	1s 3	24n 6	2n33	20 s33	0n52	19n40	1 s46	20 s20	0n12	22 s15	1n 8	13n37	9 s24	19n41	19n47	6 s 2 9	17s19	2n29
S 2	16 49	14 34	4 49	22 3	1 9	18 44	1 4	24 8	2 33	20 34	0 52	19 40	1 46	20 20	0 12	22 15	1 8	13 37	9 24	19 41	19 48	6 31	17 20	2 29
M 3	16 31	17 27	4 16	21 51	1 15	18 25	1 6	24 11	2 32	20 35	0 52	19 40	1 46	20 21	0 12	22 15	1 8	13 37	9 24	19 41	19 49	6 33	17 20	2 30
T 4	16 14	19 35	3 30	21 38	1 21	18 6	1 7	24 13	2 32	20 37	0 52	19 41	1 45	20 21	0 12	22 15	1 8	13 37	9 24	19 41	19 50	6 35	17 20	2 31
W 5	15 56	20 50	2 33	21 24	1 26	17 45	1 9	24 15	2 31	20 38	0 52	19 41	1 45	20 21	0 12	22 15	1 8	13 37	9 23	19 41	19 50	6 38	17 21	2 31
T 6	15 37	21 0	1 27	21 8	1 31	17 25	1 10	24 17	2 31	20 39	0 52	19 41	1 45	20 22	0 12	22 15	1 8	13 38	9 23	19 40	19 51	6 40	17 21	2 32
F 7	15 19	20 0	0 14	20 51	1 36	17 4	1 12	24 19	2 30	20 41	0 52	19 41	1 45	20 22	0 12	22 14	1 8	13 38	9 23	19 40	19 52	6 42	17 21	2 32
S 8	15 0	17 49	1 s 1	20 33	1 40	16 42	1 13	24 22	2 30	20 42	0 52	19 42	1 44	20 22	0 12	22 14	1 8	13 38	9 23	19 40	19 52	6 45	17 21	2 33
S 9	14 41	14 32	2 14	20 13	1 44	16 20	1 14	24 24	2 29	20 43	0 52	19 42	1 44	20 22	0 12	22 14	1 8	13 38	9 23	19 41	19 53	6 47	17 22	2 33
M10	14 21	10 20	3 20	19 52	1 48	15 57	1 15	24 26	2 29	20 44	0 52	19 42	1 44	20 23	0 12	22 14	1 8	13 38	9 22	19 41	19 54	6 49	17 22	2 34
T 11	14 2	5 31	4 14	19 30	1 51	15 34	1 16	24 29	2 28	20 45	0 52	19 42	1 43	20 23	0 12	22 14	1 8	13 39	9 22	19 42	19 54	6 52	17 22	2 34
W12	13 42	0 22	4 53	19 6	1 55	15 11	1 17	24 31	2 28	20 46	0 53	19 43	1 43	20 23	0 12	22 14	1 8	13 39	9 22	19 42	19 55	6 54	17 22	2 35
T 13	13 22	4n47	5 12	18 41	1 57	14 47	1 18	24 33	2 27	20 48	0 53	19 43	1 43	20 23	0 12	22 14	1 8	13 39	9 22	19 43	19 56	6 56	17 22	2 36
F 14	13 2	9 38	5 12	18 15	2 0	14 23	1 19	24 36	2 27	20 49	0 53	19 44	1 43	20 24	0 12	22 14	1 8	13 39	9 21	19 43	19 57	6 58	17 22	2 36
S 15	12 41	13 54	4 52	17 47	2 2	13 58	1 20	24 38	2 26	20 50	0 53	19 44	1 42	20 24	0 12	22 14	1 8	13 39	9 21	19 44	19 57	7 1	17 22	2 37
S 16	12 20	17 20	4 16	17 18	2 4	13 33	1 21	24 40	2 26	20 51	0 53	19 44	1 42	20 24	0 12	22 14	1 8	13 40	9 21	19 44	19 58	7 3	17 22	2 37
M17	11 59	19 44	3 25	16 47	2 5	13 8	1 22	24 43	2 25	20 52	0 53	19 45	1 42	20 24	0 12	22 14	1 8	13 40	9 21	19 43	19 59	7 5	17 22	2 38
T 18	11 38	20 57	2 23	16 15	2 6	12 42	1 23	24 45	2 25	20 52	0 53	19 45	1 42	20 24	0 12	22 14	1 8	13 40	9 20	19 43	19 59	7 8	17 22	2 38
W19	11 17	20 57	1 14	15 42	2 7	12 16	1 23	24 47	2 24	20 53	0 53	19 46	1 41	20 25	0 12	22 14	1 8	13 40	9 20	19 43	20 0	7 10	17 22	2 39
T 20	10 56	19 47	0 3	15 8	2 7	11 50	1 24	24 49	2 24	20 54	0 53	19 46	1 41	20 25	0 12	22 14	1 9	13 40	9 20	19 42	20 1	7 12	17 22	2 39
F 21	10 34	17 35	1n 8	14 32	2 6	11 23	1 24	24 52	2 23	20 55	0 53	19 47	1 41	20 25	0 12	22 14	1 9	13 41	9 20	19 43	20 1	7 15	17 22	2 40
S 22	10 12	14 32	2 13	13 54	2 6	10 56	1 25	24 54	2 23	20 56	0 53	19 47	1 41	20 25	0 12	22 14	1 9	13 41	9 20	19 43	20 2	7 17	17 22	2 41
S 23	9 50	10 52	3 12	13 16	2 4	10 29	1 25	24 56	2 22	20 57	0 53	19 48	1 40	20 25	0 12	22 13		13 41	9 19	19 44	20 3		17 22	2 41
M24	9 28	6 48	4 0	12 36	2 3	10 1	1 26	24 58	2 21	20 57	0 53	19 49	1 40	20 25	0 12	22 13	1 9	13 41	9 19	19 45	20 3	7 21	17 22	2 42
T 25	9 6	2 30	4 36	11 55	2 1	9 33	1 26	25 0	2 21	20 58	0 54	19 49	1 40	20 25	0 12	22 13	1 9	13 42	9 19	19 47	20 4	7 24	17 21	2 42
W26	8 44	1 s50	5 0	11 12	1 58	9 5	1 26	25 2	2 20	20 59	0 54	19 50	1 40	20 26	0 12	22 13	1 9	13 42	9 19	19 48	20 5	7 26	17 21	2 43
T 27	8 21	6 3	5 10	10 28	1 55	8 37	1 26	25 4	2 20	21 0	0 54	19 50	1 39	20 26	0 12	22 13	1 9	13 42	9 18	19 49	20 5	7 28	17 21	2 44
F 28	7 s59	10 s 1	5n 7	9 s43	1 s 5 1	8s 8	1 s26	25n 6	2n19	21s 0	0n54	19n51	1 s39	20 s26	0n12	22 s 13	1n 9	13n42	9s18	19n51	20n 6	7 s 3 1	17s21	2n44

Julian Day Number = 2505997.5, Delta T = 121.04 sec Ecliptic obliquity = 23°25'07, Nutation = -0°00'14, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°49'25, Lahiri = 25°56'25

MARCH 2149 00:00 UT

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Day	Sid.t	0	D	ğ	·	ð	4	ħ)f(¥	В	u	Ω	Ç	ę,	Day
S 1	10 36 4	10) € 34'15	22 M 5	11 ∺ 22	13 ¥ 55	17 Ⅱ 30	9 ∡ 148	7 I 9	2 ₹ 27	3 云 48	19°R10	1°R17	0 Ω 6	2 M 39	29 M 28	S 1
S 2	10 40 1	11°34'31	4 √ 1	13°15	15°10	17°56	9°53	7°12	2°27	3°49	19 Ⅱ 10	1Ω15	0° 3	2°46	29°29	S 2
M 3	10 43 58	12°34'46	16° 5	15° 8	16°25	18°22	9°57	7°14	2°27	3°50	19°D 9	1°D14	299559	2°53	29°30	M 3
T 4	10 47 54	13°34'59	28°22	17° 3	17°40	18°47	10° 2	7°17	2°27	3°51	19° 9	1°15	29°56	3° 0	29°31	T 4
W 5	10 51 51	14°35'11	10중58	18°58	18°55	19°14	10° 6	7°20	2°28	3°52	19°10	1°17	29°53	3° 6	29°32	W 5
T 6	10 55 47	15°35'22	23°56	20°53	20°10	19°40	10°10	7°23	2°28	3°53	19°10	1°18	29°50	3°13	29°33	T 6
F 7	10 59 44	16°35'30	7 ≈ 19	22°49	21°25	20° 6	10°14	7°26	2°R28	3°54	19°10	1°R18	29°47	3°20	29°34	F 7
S 8	11 3 40	17°35'38	21°10	24°45	22°39	20°33	10°17	7°29	2°28	3°55	19°10	1°16	29°44	3°26	29°34	S 8
S 9	11 737	18°35'43	5 ∺ 26	26°41	23°54	21° 0	10°21	7°32	2°28	3°56	19°10	1°12	29°40	3°33	29°34	S 9
M10	11 11 33	19°35'47	20° 4	28°37	25° 9	21°27	10°24	7°36	2°27	3°57	19°10	1° 6	29°37	3°40	29°35	M10
T 11	11 15 30	20°35'48	4 Υ 56	0 Υ 32	26°24	21°55	10°27	7°39	2°27	3°58	19°10	0°59	29°34	3°47	29°35	T 11
W12	11 19 27	21°35'48	19°55	2°27	27°39	22°22	10°30	7°43	2°27	3°59	19°10	0°51	29°31	3°53	29°R35	W12
T 13	11 23 23	22°35'46	4850	4°21	28°54	22°50	10°32	7°46	2°27	4° 0	19°10	0°43	29°28	4° 0	29°35	T 13
F 14	11 27 20	23°35'41	19°34	6°13	oΥ 9	23°18	10°35	7°50	2°26	4° 0	19°11	0°37	29°25	4° 7	29°35	F 14
S 15	11 31 16	24°35'35	4 Ⅱ 0	8° 3	1°23	23°46	10°37	7°54	2°26	4° 1	19°11	0°33	29°21	4°13	29°34	S 15
S 16	11 35 13	25°35'26	18° 6	9°51	2°38	24°15	10°39	7°58	2°26	4° 2	19°11	0°31	29°18	4°20	29°34	S 16
M17	11 39 9	26°35'15	1950	11°36	3°53	24°43	10°41	8° 2	2°25	4° 2	19°12	0°D31	29°15	4°27	29°34	M17
T 18	11 43 6	27°35'02	15°15	13°18	5° 8	25°12	10°43	8° 6	2°25	4° 3	19°12	0°32	29°12	4°34	29°33	T 18
W19	11 47 2	28°34'47	28°21	14°57	6°22	25°41	10°45	8°10	2°24	4° 4	19°12	0°R32	29° 9	4°40	29°32	W19
T 20	11 50 59	29°34'29	$11\Omega12$	16°31	7°37	26°10	10°46	8°15	2°23	4° 4	19°13	0°32	29° 5	4°47	29°31	T 20
F 21	11 54 56	0 Ƴ 34'09	23°50	18° 0	8°52	26°39	10°47	8°19	2°23	4° 5	19°13	0°29	29° 2	4°54	29°31	F 21
S 22	11 58 52	1°33'47	6 m 18	19°24	10° 6	27° 8	10°48	8°24	2°22	4° 5	19°13	0°24	28°59	5° 1	29°30	S 22
S 23	12 2 49	2°33'23	18°37	20°43	11°21	27°38	10°49	8°28	2°21	4° 6	19°14	0°16	28°56	5° 7	29°28	S 23
M24	12 6 45	3°32'56	0 ჲ 48	21°55	12°35	28° 7	10°50	8°33	2°20	4° 6	19°14	0° 6	28°53	5°14	29°27	M24
T 25	12 10 42	4°32'28	12°52	23° 2	13°50	28°37	10°51	8°37	2°19	4° 6	19°15	299554	28°50	5°21	29°26	T 25
W26	12 14 38	5°31'57	24°51	24° 1	15° 4	29° 7	10°51	8°42	2°18	4° 7	19°15	29°41	28°46	5°27	29°24	W26
T 27	12 18 35	6°31'25	6 M .45	24°54	16°19	29°37	10°R51	8°47	2°17	4° 7	19°16	29°29	28°43	5°34	29°23	T 27
F 28	12 22 31	7°30'51	18°37	25°39	17°33	099 7	10°51	8°52	2°16	4° 7	19°16	29°18	28°40	5°41	29°21	F 28
S 29	12 26 28	8°30'15	0 ∡ 28	26°18	18°48	0°37	10°51	8°57	2°15	4° 8	19°17	29°10	28°37	5°48	29°20	S 29
S 30	12 30 24	9°29'37	12°23	26°48	20° 2	1°8	10°50	9° 2	2°14	4° 8	19°17	29° 4	28°34	5°54	29°18	S 30
M31	12 34 21	10 Y 28'58	24 × ⁷ 25	27 Υ 11	21 Y 17	19538	10 ₹ 50	9Ⅱ 8	2 ~ 13	4 る 8	19 Ⅱ 18	299 0	28931	6 M 1	29 IL 16	M31

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S 2	7 13	16 39	4 21	8 9	1 42	7 10	1 26	25 10	2 18	21	1 0	54	19 52	1 38	20 26	0 12	22 13	1 9	13 43	9 18	19 52	20 7	7 35	17 20	2 45
M 3	6 50	19 2	3 40	7 20	1 37	6 41	1 26		2 17		2 0	54	19 53	1 38	20 26		22 13	1 9	13 43		19 52		7 38	17 20	2 46
T 4		20 36	2 49	6 31	1 31	6 12	1 26		2 17		3 0		19 54		20 26							20 9		17 19	2 46
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T 11 W12	3 43 3 20	2 15 3n 8	4 36 5 1	0 18 0n37	0 33 0 23	2 42 2 12	1 23 1 23		2 13 2 12		6 0 6 0		19 59 20 0		20 26 20 26						19 55 19 57			17 16 17 15	2 51 2 51
T 13	2 56	-	5 6	1 33	0 12	1 41	1 22		2 12			55			20 26						19 59			17 15	2 52
F 14			4 50	2 27	0 0	1 11	1 21		2 11			55			20 26					9 15		20 15		17 14	2 52
S 15	-		4 16	3 22	0n11	0 40		25 27	2 11			55			20 26		22 12			9 14		20 16		17 14	2 53
S 16	1 45	19 27	3 27	4 16	0 24	0 10	1 19	25 27	2 10	21	7 0	55	20 3	1 35	20 26	0 12	22 12	1 9	13 46	9 14	20 1	20 17	8 7	17 13	2 54
M17	1 21	20 57	2 28	5 8	0 36	0n21	1 18	25 28	2 9	21	7 0	55	20 4	1 35	20 25	0 12	22 12	1 9	13 47	9 14	20 1	20 17	8 10	17 12	2 54
T 18		21 12	1 21	6 0	0 49	0 51	1 17				7 0		20 5		20 25					9 14		20 18		17 12	2 55
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S 22	-	15 28 11 57	2 1 2 59	8 24 9 8	1 27 1 40	2 23 2 53	1 14	25 30			8 0 8 0	56	20 8 20 9		20 25	-	22 12 22 12			9 13		20 20 20 21	8 19 8 21		2 50
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T 25	1 48	0 s 3 8		10 27	2 15	4 24	1 10				8 0		20 10		20 23					9 12		20 22	8 28		2 58
W26	2 12	4 56	,	11 35	2 26	4 54	1 7				8 0		20 11		20 24	0 12					20 9		8 30		2 59
T 27	2 35	9 2	5 0	12 3	2 36	5 24	1 5						20 13		20 24		22 12			-	20 15		8 33		3 0
F 28	2 59	12 46	4 45	12 29	2 46	5 54	1 4						20 14		20 24		22 12		13 50	9 11	20 17	20 25	8 35	17 3	3 0
S 29	3 22	16 1	4 19	12 50	2 54	6 24	1 2	25 28	2 3	21	7 0	56	20 15	1 32	20 24	0 12	22 12	1 10	13 50	9 11	20 19	20 25	8 37	17 2	3 1
S 30	3 46	18 37	3 41	13 8	3 1	6 54	1 0	25 27	2 2	21	7 0	56	20 16	1 32	20 23	0 12	22 12	1 10	13 50	9 11	20 20	20 26	8 39	17 2	3 2
M31	4n 9	20 s26	2n52	13n22	3n 7	7n23	0s59	25n26	2n 1	21 s	7 0n	56	20n17	1 s32	20 s23	0n12	22 s12	1n10	13n50	9s11	20n20	20n27	8 s42	17s 1	3n 2

Julian Day Number = 2506025.5, Delta T = 121.09 sec Ecliptic obliquity = $23^{\circ}25'07$, Nutation = - $0^{\circ}00'14$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}49'28$, Lahiri = $25^{\circ}56'29$

APRIL 2149 00:00 UT

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T 1	12 38 18	11 Y 28'17	6 ප 40	27 Y 27	22 Y 31	299 9	10°R49	9 Ц 13	2°R12	4 る 8	19 I I18	28°D59	28927	6M 8	29°R14	T 1
W 2	12 42 14	12°27'34	19°10	27°35	23°45	2°40	10 ∡ 748	9°18	2 ~ 10	4° 8	19°19	28959	28°24	6°14	29M12	W 2
T 3	12 46 11	13°26'49	2≈ 3	27°R36	25° 0	3°10	10°46	9°24	2° 9	4° 9	19°20	28°R59	28°21	6°21	29° 9	T 3
F 4	12 50 7	14°26'02	15°22	27°29	26°14	3°41	10°45	9°29	2° 8	4° 9	19°20	28°58	28°18	6°28	29° 7	F 4
S 5	12 54 4	15°25'14	29°10	27°16	27°28	4°13	10°44	9°35	2° 6	4°R 9	19°21	28°55	28°15	6°35	29° 5	S 5
S 6	12 58 0	16°24'24	13 ∺ 27	26°56	28°43	4°44	10°42	9°40	2° 5	4° 9	19°22	28°50	28°11	6°41	29° 2	S 6
M 7	13 1 57	17°23'32	28°12	26°31	29°57	5°15	10°40	9°46	2° 3	4° 9	19°22	28°41	28° 8	6°48	29° 0	M 7
T 8	13 5 53	18°22'38	13 Y 16	26° 0	1811	5°47	10°38	9°52	2° 2	4° 8	19°23	28°31	28° 5	6°55	28°57	T 8
W 9	13 9 50	19°21'42	28°32	25°25	2°25	6°18	10°35	9°58	2° 0	4° 8	19°24	28°20	28° 2	7° 2	28°54	W 9
T 10	13 13 47	20°20'44	13 8 47	24°46	3°40	6°50	10°33	10° 4	1°58	4° 8	19°25	28° 9	27°59	7° 8	28°51	T 10
F 11	13 17 43	21°19'44	28°51	24° 4	4°54	7°21	10°30	10°10	1°57	4° 8	19°26	28° 0	27°56	7°15	28°48	F 11
S 12	13 21 40	22°18'41	13 Ⅱ 34	23°20	6° 8	7°53	10°27	10°16	1°55	4° 8	19°26	27°54	27°52	7°22	28°45	S 12
S 13	13 25 36	23°17'37	27°53	22°34	7°22	8°25	10°24	10°22	1°53	4° 8	19°27	27°50	27°49	7°28	28°42	S 13
M14	13 29 33	24°16'30	119545	21°48	8°36	8°57	10°21	10°28	1°52	4° 7	19°28	27°48	27°46	7°35	28°39	M14
T 15	13 33 29	25°15'21	25°11	21° 3	9°50	9°29	10°18	10°34	1°50	4° 7	19°29	27°48	27°43	7°42	28°36	T 15
W16	13 37 26	26°14'10	8 N 13	20°18	11° 4	10° 2	10°14	10°41	1°48	4° 7	19°30	27°48	27°40	7°49	28°33	W16
T 17	13 41 22	27°12'56	20°56	19°36	12°18	10°34	10°10	10°47	1°46	4° 6	19°31	27°47	27°36	7°55	28°29	T 17
F 18	13 45 19	28°11'40	3 m 24	18°57	13°32	11° 6	10° 7	10°53	1°44	4° 6	19°32	27°43	27°33	8° 2	28°26	F 18
S 19	13 49 16	29°10'22	15°40	18°21	14°46	11°39	10° 3	11° 0	1°42	4° 6	19°33	27°37	27°30	8° 9	28°22	S 19
S 20	13 53 12	0 8 9'02	27°47	17°49	16° 0	12°11	9°58	11° 6	1°40	4° 5	19°34	27°28	27°27	8°15	28°19	S 20
M21	13 57 9	1° 7'39	9 ≏ 48	17°21	17°14	12°44	9°54	11°13	1°38	4° 5	19°34	27°16	27°24	8°22	28°15	M21
T 22	14 1 5	2° 6'15	21°45	16°58	18°28	13°17	9°49	11°19	1°36	4° 4	19°35	27° 3	27°21	8°29	28°11	T 22
W23	14 5 2	3° 4'49	3 M .39	16°39	19°41	13°49	9°45	11°26	1°34	4° 4	19°36	26°49	27°17	8°36	28° 7	W23
T 24	14 8 58	4° 3'20	15°32	16°26	20°55	14°22	9°40	11°33	1°32	4° 3	19°37	26°35	27°14	8°42	28° 4	T 24
F 25	14 12 55	5° 1'50	27°24	16°17	22° 9	14°55	9°35	11°40	1°30	4° 2	19°39	26°22	27°11	8°49	28° 0	F 25
S 26	14 16 51	6° 0'19	9 ∡ 18	16°D14	23°23	15°28	9°30	11°46	1°28	4° 2	19°40	26°12	27° 8	8°56	27°56	S 26
S 27	14 20 48	6°58'45	2 <u>1</u> °16	16°16	24°36	16° 1	9°24	11°53	1°25	4° 1	19°41	26° 5	27° 5	9° 3	27°52	S 27
M28	14 24 45	7°57'10	3 ਰ 21	16°22	25°50	16°34	9°19	12° 0	1°23	4° 0	19°42	26° 1	27° 2	9° 9	27°48	M28
T 29	14 28 41	8°55'33	1 <u>5</u> °36	16°34	27° 4	17° 8	9°14	12° 7	1°21	<u>4°</u> 0	19°43	25°59	26°58	9°16	27°44	T 29
W30	14 32 38	9 8 53'55	28 궁 7	16 Y 50	28817	179541	9 . ₹ 8	12 Ⅱ 14	1 ~ 19	3 る 59	19 ∏ 44	25°D59	26955	9 M 23	27 M 40	W30

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W 2	4 55	21 12	0 52	13 39	3 15	8 22	0 55	25 24	2 0	21	0 57	20 19	1 31	20 23	0 12	22 12	1 10	13 51	9 10	20 21	20 28	8 46	16 59	3 3
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F 4	5 41	17 35	1 26	13 39	3 18	9 20	0 51	25 21	1 59	21 6	0 57	20 21	1 31	20 22	0 12	22 11	1 10	13 51	9 10	20 21	20 29	8 51	16 57	3 4
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S 6	6 27	9 46	3 32	13 24	3 14	10 16	0 47	25 18	1 58	21 6		20 23	1 31	20 21	0 12	22 11	1 10	13 52	9 9	20 23	20 30	8 55	16 54	3 5
M 7	6 49	4 41	4 20	13 10	3 10	10 45	0 45	25 16	1 58	21 5	0 57	20 24	1 30	20 21	0 12	22 11	1 10	13 52	9 9	20 24	20 31	8 58	16 53	3 6
T 8	7 12	0n47	4 50	12 54	3 4	11 12	0 43	25 14	1 57	21 5	0 57	20 25	1 30	20 21	0 12	22 11	1 10	13 53	9 9	20 26	20 32	9 0	16 52	3 7
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S 12	8 41	18 55	3 31	11 18	2 25	13 1	0 34	25 6	1 55	21 3	0 57	20 30	1 29	20 20	0 12	22 11	1 10	13 54	9 8	20 34	20 34	9 9	16 48	3 9
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M14	9 24	21 31	1 24	10 18	1 58	13 53	0 30	25 0	1 54	21 2	0 57	20 32	1 29	20 19	0 12	22 11	1 10	13 54	9 8	20 35	20 35	9 14	16 45	3 10
T 15	9 46	20 51	0 14	9 47	1 43	14 19	0 27	24 58	1 53	21 2	0 57	20 33	1 29	20 19	0 12	22 11	1 10	13 54	9 7	20 35	20 36	9 16	16 44	3 10
W16	10 7	19 5	0n55	9 16	1 27	14 45	0 25	24 55	1 53	21	0 57	20 34	1 29	20 18	0 12	22 11	1 10	13 55	9 7	20 35	20 37	9 18	16 43	3 11
T 17	10 28	16 23	1 59	8 45	1 11	15 10	0 22	24 52	1 52	21	0 57	20 35	1 28	20 18	0 12	22 11	1 10	13 55	9 7	20 35	20 37	9 21	16 42	3 11
F 18	10 49	12 59	2 56	8 15	0 54	15 34	0 20	24 48	1 51	21 (0 57	20 36	1 28	20 17	0 12	22 11	1 10	13 55	9 7	20 36	20 38	9 23	16 41	3 12
S 19	11 10	9 5	3 44	7 46	0 37	15 58	0 18	24 45	1 51	20 59	0 57	20 37	1 28	20 17	0 12	22 11	1 10	13 55	9 7	20 37	20 39	9 25	16 39	3 12
S 20	11 31	4 52	4 21	7 18	0 20	16 22	0 15	24 42	1 50	20 59	0 58	20 38	1 28	20 17	0 12	22 11	1 10	13 56	9 6	20 39	20 39	9 27	16 38	3 13
M21	11 51	0 30	4 46	6 52	0 4	16 46	0 13	24 38	1 50	20 58	0 58	20 39	1 28	20 16	0 12	22 11	1 10	13 56	9 6	20 41	20 40	9 30	16 37	3 13
T 22	12 12	3 s 5 1	4 58	6 28	0s12	17 9	0 10	24 34	1 49	20 57	0 58	20 40	1 28	20 16	0 12	22 11	1 10	13 56	9 6	20 44	20 40	9 32	16 36	3 14
W23	12 32	8 3	4 57	6 6	0 28	17 31	0 8	24 30	1 49	20 57	0 58	20 41	1 27	20 15	0 12	22 11	1 10	13 57	9 6	20 47	20 41	9 34	16 34	3 14
T 24	12 52	11 57	4 44	5 47	0 43	17 53	0 5	24 26	1 48	20 56	0 58	20 42	1 27	20 15	0 12	22 11	1 10	13 57	9 6	20 49	20 42	9 36	16 33	3 15
F 25	13 11	15 23	4 17	5 30	0 58	18 15	0 3	24 22	1 48	20 55	0 58	20 43	1 27	20 15	0 12	22 11	1 10	13 57	9 5	20 52	20 42	9 39	16 32	3 15
S 26	13 31	18 12	3 40	5 16	1 12	18 36	0 0	24 18	1 47	20 54	0 58	20 45	1 27	20 14	0 12	22 11	1 10	13 57	9 5	20 53	20 43	9 41	16 30	3 15
S 27	13 50	20 16	2 53	5 4	1 26	18 57	0n 3	24 13	1 47	20 54	0 58	20 46	1 27	20 14	0 12	22 11	1 10	13 58	9 5	20 55	20 43	9 43	16 29	3 16
M28	14 9	21 26	1 57	4 55	1 38	19 17	0 5	24 9	1 46	20 53	0 58	20 47	1 27	20 13	0 12	22 11	1 10	13 58	9 5	20 56	20 44	9 46	16 28	3 16
T 29	14 28	21 36	0 55	4 49	1 50	19 37	0 8	24 4	1 46	20 52	0 58	20 48	1 27	20 13	0 12	22 11	1 10	13 58	9 5	20 56	20 45	9 48	16 26	3 17
W30	14n46	20 s42	0s11	4n45	2 s 1	19n56	0n10	23n59	1n45	20 s5	0n58	20n49	1 s26	20 s12	0n12	22 s11	1n11	13n58	9s 5	20n56	20n45	9s50	16 s25	3n17

Julian Day Number = 2506056.5, Delta T = 121.15 sec Ecliptic obliquity = 23°25'08, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°49'33, Lahiri = 25°56'33

MAY 2149 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)Å(¥	Р	ß	Ω	Ç	Ŷ,	Day
T 1	14 36 34	10852'15	10≈56	17 Y 11	29831	189914	9°R 2	12 II 21	1°R17	3°R58	19 Ⅱ 45	25°R59	26952	9 M 29	27°R35	T 1
F 2	14 40 31	11°50'34	24° 9	17°36	0 Ⅱ 44	18°48	8 ₮ 56	12°28	1 √ 14	3 る 57	19°46	25958	26°49	9°36	27 M 31	F 2
S 3	14 44 27	12°48'51	7 ∺ 50	18° 5	1°58	19°21	8°50	12°35	1°12	3°56	19°47	25°56	26°46	9°43	27°27	S 3
S 4	14 48 24	13°47'06	21°59	18°39	3°11	19°55	8°44	12°43	1°10	3°56	19°48	25°51	26°42	9°50	27°23	S 4
M 5	14 52 20	14°45'20	6 Y 35	19°16	4°25	20°28	8°38	12°50	1° 7	3°55	19°50	25°44	26°39	9°56	27°18	M 5
T 6	14 56 17	15°43'33	21°35	19°58	5°38	21° 2	8°31	12°57	1° 5	3°54	19°51	25°35	26°36	10° 3	27°14	T 6
W 7	15 0 14	16°41'44	6 8 50	20°43	6°52	21°36	8°25	13° 4	1° 2	3°53	19°52	25°25	26°33	10°10	27°10	W 7
T 8	15 4 10	17°39'53	22° 9	21°31	8° 5	22° 9	8°18	13°12	1° 0	3°52	19°53	25°16	26°30	10°16	27° 5	T 8
F 9	15 8 7	18°38'01	7Ⅲ20	22°23	9°18	22°43	8°11	13°19	0°58	3°51	19°54	25° 7	26°27	10°23	27° 1	F 9
S 10	15 12 3	19°36'07	22°15	23°18	10°32	23°17	8° 4	13°26	0°55	3°50	19°56	25° 1	26°23	10°30	26°57	S 10
S 11	15 16 0	20°34'12	6945	24°16	11°45	23°51	7°57	13°34	0°53	3°49	19°57	24°58	26°20	10°37	26°52	S 11
M12	15 19 56	21°32'14	20°46	25°17	12°58	24°25	7°50	13°41	0°50	3°48	19°58	24°D57	26°17	10°43	26°48	M12
T 13	15 23 53	22°30'15	$4\Omega 20$	26°21	14°11	24°59	7°43	13°49	0°48	3°47	19°59	24°57	26°14	10°50	26°43	T 13
W14	15 27 49	23°28'13	17°27	27°28	15°25	25°33	7°36	13°56	0°45	3°46	20° 1	24°R57	26°11	10°57	26°39	W14
T 15	15 31 46	24°26'10	0 m 11	28°38	16°38	26° 8	7°29	14° 3	0°43	3°44	20° 2	24°57	26° 8	11° 3	26°34	T 15
F 16	15 35 43	25°24'05	12°37	29°50	17°51	26°42	7°22	14°11	0°40	3°43	20° 3	24°56	26° 4	11°10	26°30	F 16
S 17	15 39 39	26°21'58	24°49	18 5	19° 4	27°16	7°14	14°19	0°38	3°42	20° 4	24°52	26° 1	11°17	26°25	S 17
S 18	15 43 36	27°19'49	6 ₽ 51	2°22	20°17	27°50	7° 7	14°26	0°35	3°41	20° 6	24°46	25°58	11°24	26°21	S 18
M19	15 47 32	28°17'39	18°47	3°42	21°30	28°25	7° 0	14°34	0°33	3°40	20° 7	24°38	25°55	11°30	26°16	M19
T 20	15 51 29	29°15'27	0 M 40	5° 4	22°43	28°59	6°52	14°41	0°30	3°38	20° 8	24°28	25°52	11°37	26°12	T 20
W21	15 55 25	0 Ⅲ 13'14	12°32	6°29	23°56	29°34	6°45	14°49	0°28	3°37	20°10	24°18	25°48	11°44	26° 7	W21
T 22	15 59 22	1°10'59	24°25	7°56	25° 9	0Ω 8	6°37	14°57	0°25	3°36	20°11	24° 8	25°45	11°51	26° 3	T 22
F 23	16 3 18	2° 8'43	6 ₹ 21	9°25	26°22	0°43	6°29	15° 4	0°23	3°34	20°12	23°59	25°42	11°57	25°58	F 23
S 24	16 7 15	3° 6'25	18°21	10°57	27°35	1°17	6°22	15°12	0°20	3°33	20°14	23°51	25°39	12° 4	25°54	S 24
S 25	16 11 12	4° 4'07	0る27	12°31	28°47	1°52	6°14	15°20	0°18	3°32	20°15	23°47	25°36	12°11	25°49	S 25
M26	16 15 8	5° 1'47	12°41	14° 7	0න 0	2°27	6° 7	15°27	0°15	3°30	20°16	23°44	25°33	12°17	25°45	M26
T 27	16 19 5	5°59'26	25° 5	15°45	1°13	3° 2	5°59	15°35	0°13	3°29	20°18	23°D43	25°29	12°24	25°41	T 27
W28	16 23 1	6°57'04	7≈42	17°26	2°26	3°36	5°51	15°43	0°10	3°28	20°19	23°44	25°26	12°31	25°36	W28
T 29	16 26 58	7°54'41	20°35	19° 9	3°38	4°11	5°44	15°51	0°8	3°26	20°20	23°45	25°23	12°38	25°32	T 29
F 30	16 30 54	8°52'17	3) (49	20°55	4°51	4°46	5°36	15°58	0° 5	3°25	20°22	23°R46	25°20	12°44	25°28	F 30
S 31	16 34 51	9∏49'52	17) (24	22842	695 4	5 Ω 21	5 ₹ 28	16 I I 6	0 x 3	3 る 23	20 Ⅲ 23	239546	25917	12 M 51	25 M 24	S 31

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	decl	decl lat	decl	lat	decl lat	decl l	at	decl	lat	decl	lat	decl	lat	decl la	at	decl lat	decl	decl	decl	decl	lat
T 1 F 2	15n 4 15 22	18s44 1s1 15 43 2 2						20 s50 20 49		20n50 20 51		20 s12 20 11					4 20n56 4 20 56			16 s 2 4 16 2 2	3n18 3 18
S 3	-	11 46 3 2				23 44		20 48		20 52		20 11					4 20 57			16 21	3 18
S 4	15 58	7 2 4 1						20 47		20 53		20 10					4 20 57			16 20	3 19
M 5	16 15 16 32	1 46 4 4 3n45 5	6 5 1 1 5 11	2 43 2 2 49 2	-	23 33 27		20 46 20 45		20 54 20 55		20 10 20 10				13 59 9 14 0 9	4 20 59	20 48	-	16 18 16 17	3 19 3 20
W 7	16 49	9 7 4 5	-	-		23 21		20 44		20 56	1 25					14 0 9		20 50	-	16 16	3 20
T 8	17 5	13 56 4 3					1 41	20 43		20 57	1 25	20 9			1 11	14 0 9	-	20 50		16 14	3 20
F 9 S 10	17 21 17 37				22 23 0 33 22 36 0 36			20 42		20 58	1 25 1 25				1 11 1 11	14 0 9 14 1 9		20 51 20 51			3 21
								20 41		20 59	_									-	3 21
S 11 M12		21 40 1 3 21 27 0 2			22 49 0 39 23 1 0 41			20 40 20 39	0 58 0 57		1 25 1 25				1 11 1 11	14 1 9 14 1 9	-	20 52 20 53			3 21 3 22
T 13		19 58 On5			23 12 0 44			20 38	0 57						1 11	14 1 9	-	20 53			3 22
W14		17 27 1 5		_		22 37		20 37	0 57		1 25				1 11	14 2 9		20 54			3 22
T 15 F 16	18 52 19 6	14 9 2 5 10 18 3 4	, ,		23 33 0 48 23 42 0 51	22 30 22 23		20 36 20 35	0 57		1 24 1 24				1 11 1 11	14 2 9 14 2 9		20 54	-	-	3 23 3 23
S 17	19 19	6 6 4 2						20 33 20 34	0 57 0 57		1 24					14 2 9 14 2 9		20 55			3 23
S 18	19 33	1 43 4 5	0 9 23	3 5 2	23 59 0 56	22 8	1 35	20 32	0 57	21 7	1 24	20 4	0 12	22 11	1 11	14 2 9	2 21 9	20 56	10 31	16 1	3 24
M19	19 46	-	3 9 53		24 7 0 58			20 31	0 57		1 24			22 11		14 3 9	2 21 11				3 24
T 20 W21	19 58 20 11		3 10 24 50 10 55		24 13 1 (24 19 1 3			20 30 20 29	0 57	21 9 21 10	1 24 1 24					14 3 9 14 3 9	2 21 12 2 21 14				3 24 3 24
T 22	20 23		4 11 28			21 37		20 28		21 11	1 24					14 3 9	2 21 16				3 25
F 23	20 34			2 44 2		21 29		20 27		21 12	1 24					14 3 9		20 59	-		3 25
S 24	20 46	19 57 2 5	8 12 35	2 39 2	24 33 1 9	21 21	1 32	20 25	0 57	21 13	1 23	20 0	0 12	22 11	1 11	14 4 9	1 21 19	21 0	10 44	15 53	3 25
S 25	20 57		2 13 10					20 24		21 14	1 23				1 11		1 21 20		10 47		3 25
M26 T 27	21 7 21 17		7 14 20	_		21 5		20 23 20 22		21 15 21 16		19 59 19 59				14 4 9 14 4 9	1 21 20	21 1	10 49 10 51		3 26 3 26
	21 27		5 14 56	_				20 22		21 17		19 58				14 4 9		21 2			3 26
1	21 37		20 15 32			20 39		20 19		21 18		19 58			1 11	14 5 9		21 3	10 56	15 47	3 26
	-		0 16 9			20 30		20 18		21 18		19 57			1 11	14 5 9	1 21 20		10 58		3 26
S 31	21n54	8 s 4 s 1	0 16n45	1 s44 2	24n40 In23	20n21	1n29	20s17	0n56	21n19	1 s23	19 s57	0n12	22 s11	1n11	14n 5 9s	1 21n20	21n 4	11s 0	15 s45	3n27

Julian Day Number = 2506086.5, Delta T = 121.20 sec Ecliptic obliquity = $23^{\circ}25'07$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}49'37$, Lahiri = $25^{\circ}56'37$

JUNE 2149 00:00 UT

Day	Sid.t	0	D	ğ	Q	ď	4	ħ)/(¥	Р	ß	Ω	Ç	ę,	Day
S 1	16 38 47	10∏47'26	1 Υ 24	24832	<i>7</i> 9 16	5 Ω 56	5°R21	16 I I14	0°R 0	3°R22	20∏24	23°R44	259914	12 M .58	25°R19	S 1
M 2	16 42 44	11°45'00	15°47	26°24	8°29	6°31	5 ₹ 13	16°22	29 M 58	3 ට 21	20°26	239541	25°10	13° 4	25 M 15	M 2
T 3	16 46 41	12°42'33	0 8 31	28°19	9°41	7° 6	5° 6	16°30	29°56	3°19	20°27	23°36	25° 7	13°11	25°11	T 3
W 4	16 50 37	13°40'04	15°30	0 Ⅱ 15	10°54	7°41	4°58	16°37	29°53	3°18	20°29	23°30	25° 4	13°18	25° 7	W 4
T 5	16 54 34	14°37'36	0П36	2°14	12° 6	8°16	4°51	16°45	29°51	3°16	20°30	23°25	25° 1	13°25	25° 3	T 5
F 6	16 58 30	15°35'06	15°39	4°14	13°18	8°52	4°43	16°53	29°48	3°15	20°31	23°20	24°58	13°31	24°59	F 6
S 7	17 2 27	16°32'35	0929	6°17	14°31	9°27	4°36	17° 1	29°46	3°13	20°33	23°16	24°54	13°38	24°55	S 7
S 8	17 623	17°30'03	15° 0	8°21	15°43	10° 2	4°29	17° 9	29°44	3°11	20°34	23°15	24°51	13°45	24°51	S 8
M 9	17 10 20	18°27'30	29° 6	10°27	16°55	10°38	4°21	17°16	29°41	3°10	20°36	23°D15	24°48	13°51	24°47	M 9
T 10	17 14 16	19°24'57	$12\Omega 45$	12°35	18° 8	11°13	4°14	17°24	29°39	3° 8	20°37	23°16	24°45	13°58	24°43	T 10
W11	17 18 13	20°22'21	25°59	14°44	19°20	11°48	4° 7	17°32	29°37	3° 7	20°38	23°17	24°42	14° 5	24°40	W11
T 12	17 22 10	21°19'45	8 Mp 48	16°54	20°32	12°24	4° 0	17°40	29°34	3° 5	20°40	23°18	24°39	14°12	24°36	T 12
F 13	17 26 6	22°17'08	21°17	19° 5	21°44	12°59	3°53	17°48	29°32	3° 4	20°41	23°R19	24°35	14°18	24°32	F 13
S 14	17 30 3	23°14'29	3 ₾ 30	21°17	22°56	13°35	3°46	17°55	29°30	3° 2	20°42	23°19	24°32	14°25	24°29	S 14
S 15	17 33 59	24°11'50	15°32	23°29	24° 8	14°10	3°39	18° 3	29°28	3° 0	20°44	23°17	24°29	14°32	24°25	S 15
M16	17 37 56	25° 9'10	27°27	25°41	25°20	14°46	3°33	18°11	29°26	2°59	20°45	23°14	24°26	14°38	24°22	M16
T 17	17 41 52	26° 6'29	9 M .19	27°53	26°32	15°22	3°26	18°19	29°23	2°57	20°47	23°10	24°23	14°45	24°18	T 17
W18	17 45 49	27° 3'47	21°12	095 4	27°44	15°57	3°20	18°27	29°21	2°56	20°48	23° 5	24°20	14°52	24°15	W18
T 19	17 49 45	28° 1'04	3 ∡ 7	2°15	28°56	16°33	3°13	18°34	29°19	2°54	20°49	23° 1	24°16	14°59	24°12	T 19
F 20	17 53 42	28°58'21	15° 9	4°25	0 Ω 8	17° 9	3° 7	18°42	29°17	2°52	20°51	22°57	24°13	15° 5	24° 9	F 20
S 21	17 57 39	29°55'37	27°18	6°33	1°19	17°45	3° 1	18°50	29°15	2°51	20°52	22°55	24°10	15°12	24° 6	S 21
S 22	18 1 35	0952'52	9 궁 36	8°40	2°31	18°20	2°55	18°57	29°13	2°49	20°54	22°53	24° 7	15°19	24° 3	S 22
M23	18 5 32	1°50'07	22° 4	10°46	3°43	18°56	2°49	19° 5	29°11	2°48	20°55	22°D52	24° 4	15°25	24° 0	M23
T 24	18 9 28	2°47'22	4≈44	12°50	4°54	19°32	2°43	19°13	29° 9	2°46	20°56	22°53	24° 0	15°32	23°57	T 24
W25	18 13 25	3°44'36	17°37	14°52	6° 6	20° 8	2°37	19°20	29° 7	2°44	20°58	22°54	23°57	15°39	23°54	W25
T 26	18 17 21	4°41'50	0) €44	16°52	7°17	20°44	2°32	19°28	29° 5	2°43	20°59	22°55	23°54	15°46	23°52	T 26
F 27	18 21 18	5°39'04	14° 7	18°51	8°29	21°20	2°26	19°36	29° 3	2°41	21° 0	22°56	23°51	15°52	23°49	F 27
S 28	18 25 14	6°36'18	27°47	20°47	9°40	21°56	2°21	19°43	29° 2	2°40	21° 2	22°57	23°48	15°59	23°46	S 28
S 29	18 29 11	7°33'32	11 Y 43	22°41	10°51	22°32	2°16	19°51	29° 0	2°38	21° 3	22°R57	23°45	16° 6	23°44	S 29
M30	18 33 8	8930'46	25 Y 55	24933	12 N 3	23 N 8	2 ~ 11	19 Ⅲ 59	28 M 58	2 ප 36	21 I I 4	22957	239541	16MJ2	23 M 42	M30

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 3	3 s49	4 s46	17n21	1 s35	24n38	1n25	20n12	1n28	20s16	0n56	21n20	1 s23	19 s 5 6	0n12	22 s12	1n11	14n 5	9s 1	21n20	21n 4	11s 2	15 s44	3n27
M 2	22 11	1n29		17 57	1 25			20 3		20 14		21 21		19 56		22 12	1 11	14 5		21 21		11 5		3 27
T 3	22 18	6 51		18 33	1 15		-	19 53		20 13		21 22		19 55		22 12	1 11	14 5		21 22		11 7	-	3 27
W 4	22 25	11 53		-, -	1 5	-		-		20 12		21 23	1 22				1 11	14 6		21 22		/		3 27
T 5	22 32	-		19 42	0 54	_	-			20 11		21 24		19 54	0 12		1 11	14 6		21 23		11 11		3 27
F 6			-	20 16		24 18		19 24		20 10		21 24		19 54		22 12	1 11	14 6		21 24			15 38	3 28
S 7	22 44	21 24	2 1	20 48	0 33	24 12	1 35	19 14	1 25	20 8	0 55	21 25	1 22	19 53	0 12	22 12	1 11	14 6	9 0	21 25	21 8	11 16	15 37	3 28
S 8	22 50	21 50	0 45	21 19	0 22	24 5	1 36	19 4	1 25	20 7	0 55	21 26	1 22	19 53	0 12	22 12	1 11	14 6	9 0	21 25	21 8	11 18	15 36	3 28
M 9	22 55	20 50	0n32	21 49	0 11	23 58	1 37	18 54	1 24	20 6	0 55	21 27	1 22	19 52	0 12	22 12	1 11	14 6	9 0	21 25	21 9	11 20	15 35	3 28
T 10	23 0	18 38	1 45	22 17	0 0	23 49	1 39	18 44	1 24	20 5	0 55	21 28	1 22	19 52	0 12	22 12	1 11	14 6	9 0	21 25	21 9	11 22	15 34	3 28
W11	23 4	15 30	2 49	22 43	0n11	23 41	1 40	18 34	1 23	20 4	0 54	21 28	1 22	19 51	0 12	22 12	1 11	14 7	9 0	21 25	21 10	11 25	15 33	3 28
T 12	23 8	11 43	3 43	23 7	0 21	23 31	1 41	18 23	1 23	20 2	0 54	21 29	1 22	19 51	0 12	22 12	1 11	14 7	9 0	21 25	21 11	11 27	15 32	3 28
F 13	23 12	7 31	4 25	23 29	0 31	23 21	1 42	18 13	1 22	20 1	0 54	21 30	1 22	19 51	0 12	22 12	1 11	14 7	9 0	21 24	21 11	11 29	15 31	3 28
S 14	23 15	3 7	4 54	23 49	0 41	23 10	1 43	18 2	1 22	20 0	0 54	21 31	1 22	19 50	0 12	22 12	1 11	14 7	9 0	21 24	21 12	11 31	15 30	3 29
S 15	23 18	1 s20	5 10	24 6	0 51	22 59	1 44	17 51	1 21	19 59	0 54	21 32	1 22	19 50	0 12	22 12	1 11	14 7	9 0	21 25	21 12	11 34	15 29	3 29
M16	23 20	5 42	5 12	24 20	1 0	22 46	1 45	17 40	1 20	19 58	0 54	21 32	1 22	19 49	0 12	22 12	1 11	14 7	9 0	21 25	21 13	11 36	15 28	3 29
T 17	23 22	9 50	5 1	24 32	1 8	_		17 29	1 20	19 57		21 33	1 22	19 49	0 12	22 12	1 11	14 7	9 0	21 26	21 13	11 38	15 27	3 29
W18	23 23	13 36	4 36	24 41	1 16	22 20	1 47	17 18	1 19	19 56		21 34	1 22	19 48	0 12	22 12	1 11	14 7		21 27				3 29
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F 20	23 25	19 24	3 13	24 50	1 30	21 52	1 48	16 56	1 18	19 54	0 53	21 35	1 22	19 47	0 12	22 12	1 11	14 8	9 0	21 28	21 15	11 45	15 25	3 29
S 21	23 25	21 7	2 16	24 51	1 35	21 36	1 48	16 44	1 18	19 53	0 53	21 36	1 21	19 47	0 12	22 12	1 11	14 8	9 0	21 28	21 16	11 47	15 24	3 29
S 22	23 25	21 52	1 12	24 48	1 41	21 21	1 49	16 33	1 17	19 52	0 52	21 36	1 21	19 47	0 12	22 12	1 11	14 8	9 0	21 29	21 16	11 49	15 23	3 29
M23	23 24	21 32	0 4	24 44	1 45	21 4	1 49	16 21	1 17	19 51	0 52	21 37	1 21	19 46	0 12	22 12	1 11	14 8	9 0	21 29	21 17	11 51	15 23	3 29
T 24	23 23	20 7	1 s 5	24 36	1 49	20 47	1 49	16 9	1 16	19 50	0 52	21 38	1 21	19 46	0 12	22 12	1 11	14 8	9 0	21 29	21 17	11 54	15 22	3 29
W25	23 22	17 38	2 12	24 26	1 51	20 30	1 49	15 57	1 16	19 49	0 52	21 38	1 21	19 45	0 12	22 12	1 11	14 8	9 0	21 29	21 18	11 56	15 21	3 29
T 26	23 20	14 13	3 14	24 14	1 54	20 12	1 50	15 46	1 15	19 48	0 52	21 39	1 21	19 45	0 12	22 12	1 11	14 8	9 0	21 28	21 18	11 58	15 21	3 29
F 27	23 18	10 2	4 6	24 0	1 55	19 53	1 50	15 34	1 15	19 47	0 51	21 40	1 21	19 45	0 12	22 12	1 11	14 8	9 0	21 28	21 19	12 0	15 20	3 29
S 28	23 15	5 15	4 46	23 43	1 56	19 34	1 49	15 21	1 14	19 47	0 51	21 40	1 21	19 44	0 12	22 13	1 11	14 8	9 0	21 28	21 20	12 2	15 19	3 29
S 29	23 12	0 8	5 10	23 25	1 56	19 15	1 49	15 9	1 14	19 46	0 51	21 41	1 21	19 44	0 12	22 13	1 11	14 8	9 0	21 28	21 20	12 5	15 19	3 29
M30	23n 9	5n 6	5s16	23n 5	1n55	18n55	1n49	14n57	1n13	19 s45	0n51	21n42	1 s21	19 s43	0n12	22 s13	1n11	14n 9	9s 0	21n28	21n21	12s 7	15 s 18	3n29

Julian Day Number = 2506117.5, Delta T = 121.26 sec Ecliptic obliquity = 23°25'07, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°49'41, Lahiri = 25°56'42

JULY 2149 00:00 UT

Day	Sid.t	\odot	D	ğ	φ	♂	4	ħ)ұ(¥	Р	ß	Ω	Ç	ę,	Day
T 1	18 37 4	99528'00	10822	269523	13 Ω 14	23 Ω 45	2°R 6	20耳 6	28°R56	2°R35	21 I 6	22°R56	23938	16 M .19	23°R39	T 1
W 2	18 41 1	10°25'14	24°59	28°11	14°25	24°21	2 ₹ 2	20°14	28M55	2 る 33	21° 7	22954	23°35	16°26	23 M 37	W 2
T 3	18 44 57	11°22'29	9∏41	29°57	15°36	24°57	1°57	20°21	28°53	2°31	21° 8	22°53	23°32	16°33	23°35	T 3
F 4	18 48 54	12°19'43	24°22	1 Ω 41	16°47	25°33	1°53	20°29	28°52	2°30	21°10	22°52	23°29	16°39	23°33	F 4
S 5	18 52 50	13°16'57	8954	3°22	17°58	26°10	1°49	20°36	28°50	2°28	21°11	22°51	23°26	16°46	23°31	S 5
S 6	18 56 47	14°14'12	23°13	5° 1	19° 9	26°46	1°45	20°43	28°48	2°27	21°12	22°D51	23°22	16°53	23°30	S 6
M 7	19 0 44	15°11'26	$7\Omega 12$	6°38	20°20	27°22	1°41	20°51	28°47	2°25	21°14	22°51	23°19	16°59	23°28	M 7
T 8	19 4 40	16° 8'40	20°49	8°13	21°31	27°59	1°37	20°58	28°46	2°24	21°15	22°51	23°16	17° 6	23°26	T 8
W 9	19 8 37	17° 5'54	4MD 3	9°46	22°42	28°35	1°33	21° 5	28°44	2°22	21°16	22°52	23°13	17°13	23°25	W 9
T 10	19 12 33	18° 3'07	16°55	11°17	23°52	29°12	1°30	21°13	28°43	2°20	21°18	22°53	23°10	17°20	23°23	T 10
F 11	19 16 30	19° 0'21	29°27	12°45	25° 3	29°48	1°27	21°20	28°41	2°19	21°19	22°53	23° 6	17°26	23°22	F 11
S 12	19 20 26	19°57'34	11 ≏ 43	14°11	26°13	0 m 25	1°24	21°27	28°40	2°17	21°20	22°53	23° 3	17°33	23°21	S 12
S 13	19 24 23	20°54'47	23°46	15°35	27°24	1° 1	1°21	21°34	28°39	2°16	21°21	22°R53	23° 0	17°40	23°20	S 13
M14	19 28 19	21°52'00	5 M .42	16°57	28°34	1°38	1°18	21°41	28°38	2°14	21°23	22°53	22°57	17°46	23°19	M14
T 15	19 32 16	22°49'13	17°35	18°16	29°45	2°15	1°16	21°49	28°37	2°13	21°24	22°D53	22°54	17°53	23°18	T 15
W16	19 36 13	23°46'26	29°28	19°33	0 m 55	2°51	1°13	21°56	28°36	2°11	21°25	22°53	22°51	18° 0	23°17	W16
T 17	19 40 9	24°43'40	11 × 727	20°47	2° 5	3°28	1°11	22° 3	28°35	2°10	21°26	22°53	22°47	18° 7	23°16	T 17
F 18	19 44 6	25°40'53	23°34	21°59	3°15	4° 5	1° 9	22°10	28°34	2°8	21°27	22°54	22°44	18°13	23°16	F 18
S 19	19 48 2	26°38'07	5 궁 53	23° 8	4°25	4°42	1° 7	22°17	28°33	2° 7	21°29	22°54	22°41	18°20	23°15	S 19
S 20	19 51 59	27°35'21	18°24	24°15	5°35	5°19	1° 6	22°23	28°32	2° 6	21°30	22°R54	22°38	18°27	23°15	S 20
M21	19 55 55	28°32'35	1≈10	25°19	6°45	5°56	1° 4	22°30	28°31	2° 4	21°31	22°54	22°35	18°33	23°15	M21
T 22	19 59 52	29°29'49	14°11	26°20	7°55	6°32	1° 3	22°37	28°30	2° 3	21°32	22°54	22°31	18°40	23°14	T 22
W23	20 3 48	$0\Omega 27'05$	27°27	27°19	9° 5	7° 9	1° 2	22°44	28°29	2° 1	21°33	22°53	22°28	18°47	23°D14	W23
T 24	20 7 45	1°24'20	10 米 57	28°14	10°14	7°46	1° 1	22°51	28°29	2° 0	21°34	22°52	22°25	18°53	23°14	T 24
F 25	20 11 42	2°21'37	24°39	29° 6	11°24	8°23	1° 0	22°57	28°28	1°59	21°35	22°51	22°22	19° 0	23°14	F 25
S 26	20 15 38	3°18'54	8 Ƴ 33	29°55	12°33	9° 0	1° 0	23° 4	28°27	1°57	21°36	22°50	22°19	19° 7	23°15	S 26
S 27	20 19 35	4°16'12	22°36	0 Mp 40	13°43	9°38	1° 0	23°10	28°27	1°56	21°38	22°49	22°16	19°14	23°15	S 27
M28	20 23 31	5°13'31	6 8 46	1°22	14°52	10°15	0°D59	23°17	28°26	1°55	21°39	22°D49	22°12	19°20	23°15	M28
T 29	20 27 28	6°10'51	21° 1	2° 0	16° 1	10°52	0°59	23°23	28°26	1°53	21°40	22°49	22° 9	19°27	23°16	T 29
W30	20 31 24	7° 8'12	5 ∐ 18	2°34	17°10	11°29	1° 0	23°30	28°25	<u>1°52</u>	21°41	22°50	22° 6	19°34	23°17	W30
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T 3 F 4 S 5	22 51	20 47 2 3	1 21 29	1 49 17 52 1 45 17 30 1 41 17 7	1 48 14 19 1 47 14 7 1 47 13 54	1 11 1	19 42 0 50	21 44 1 21	19 42 0 11	22 13 1 11 22 13 1 11 22 13 1 11	14 9 9 0	21 29 21 21 29 21 21 29 21	23 12 16	15 16 3 29
S 6 M 7 T 8	22 40 22 33	21 27 On 19 44 1 1	2 20 33 9 20 4	1 37 16 44	1 46 13 41 1 45 13 28 1 44 13 15	1 10 1 1 10 1	19 41 0 50	21 45 1 21 21 45 1 21	19 41 0 11 19 41 0 11	22 13 1 11 22 13 1 11 22 13 1 11	14 9 9 0 14 9 9 0	21 29 21 21 29 21 21 29 21	24 12 20 24 12 22	15 15 3 29 15 15 3 29
F 11	22 20 22 12 22 4 21 56	9 6 4 1 4 40 4 5	7 18 33 1 18 1	1 13 15 9 1 5 14 44	1 43 13 2 1 42 12 49 1 41 12 35 1 39 12 22	1 8 1 1 8 1	19 39 0 49 19 38 0 48	21 47 1 21	19 40 0 11 19 40 0 11	22 13 1 11 22 13 1 11 22 13 1 11 22 13 1 11	14 9 9 0 14 9 9 0	21 29 21 21 29 21 21 29 21 21 29 21	26 12 29 27 12 31	15 14 3 29 15 14 3 29
M14 T 15 W16 T 17 F 18	21 10 20 59	8 33 5 12 27 4 4 15 52 4 1 18 40 3 3 20 40 2 3	9 16 24 8 15 51 5 15 18 0 14 45 6 14 12	0 49 13 54 0 41 13 28 0 32 13 2 0 22 12 35 0 12 12 9 0 2 11 42	1 38 12 8 1 36 11 55 1 35 11 41 1 33 11 28 1 31 11 14 1 29 11 0	1 6 1 1 6 1 1 5 1 1 5 1 1 4 1	19 37 0 48 19 37 0 48 19 37 0 47 19 37 0 47 19 36 0 47	21 49 1 21 21 49 1 21 21 50 1 21 21 50 1 21 21 50 1 21	19 39 0 11 19 39 0 11 19 39 0 11 19 39 0 11 19 38 0 11	22 13 1 11 22 13 1 11 22 13 1 11	14 9 9 0 14 9 9 0 14 9 9 0 14 9 9 0 14 9 9 1	21 29 21 21 29 21 21 29 21 21 29 21 21 29 21 21 29 21	28 12 38 29 12 40 29 12 42 30 12 44 30 12 46	15 13 3 29 15 13 3 29 15 13 3 28 15 13 3 28 15 13 3 28
S 19 S 20 M21 T 22 W23 T 24 F 25 S 26	-	21 45 0 2 20 37 0s4 18 24 1 5 15 10 3 11 5 3 5 6 23 4 3	15 13 7 66 12 35 15 12 4 0 11 33 16 11 3 9 10 33	0 19 10 47 0 31 10 19	1 28 10 46 1 25 10 32 1 23 10 18 1 21 10 4 1 19 9 50 1 16 9 35 1 14 9 21 1 11 9 7	1 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19 36	21 51 1 21 21 52 1 21 21 52 1 21 21 52 1 21 21 52 1 21 21 53 1 21 21 53 1 21	19 38 0 11 19 38 0 11 19 38 0 11 19 38 0 11 19 37 0 11 19 37 0 11	22 13 1 11 22 14 1 10 22 14 1 10 22 14 1 10	14 9 9 1 14 9 9 1	21 29 21 21 29 21	31 12 51 32 12 53 32 12 55 33 12 57 33 12 59 34 13 2	15 13 3 28 15 13 3 28 15 13 3 28 15 13 3 28
S 27 M28 T 29 W30 T 31		13 30 4 3 17 20 3 5	7 9 10 9 8 45 4 8 21	1 43 7 28 1 56 6 58 2 9 6 29 2 22 5 59 2 s35 5n30	1 9 8 52 1 6 8 38 1 3 8 23 1 0 8 9 0n57 7n54	0 59 19 0 58 19 0 58 19	19 37 0 45 19 37 0 44 19 37 0 44	21 54 1 21 21 54 1 21 21 55 1 21	19 37 0 11 19 37 0 11 19 37 0 11	22 14 1 10 22 14 1 10	14 9 9 1 14 9 9 1 14 9 9 1	21 29 21 21 29 21 21 29 21 21 29 21 21n29 21	35 13 8 36 13 10 36 13 12	15 14 3 27

Julian Day Number = 2506147.5, Delta T = 121.32 sec Ecliptic obliquity = $23^{\circ}25'07$, Nutation = $-0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}49'45$, Lahiri = $25^{\circ}56'46$

AUGUST 2149 00:00 UT

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F 1	20 39 17	9 Ω 2'57	39549	3 m 30	19 m 28	12 m 44	1 🗷 1	23 II 42	28°R25	1°R50	21 II 43	22952	229 0	19 M .47	23 M .18	F 1
S 2	20 43 14	10° 0'21	17°56	3°51	20°37	13°21	1° 1	23°49	28 M 24	1 る 49	21°44	22°R53	21°57	19°54	23°19	S 2
S 3	20 47 11	10°57'46	1 0 51	4° 8	21°46	13°58	1° 2	23°55	28°24	1°47	21°45	22°53	21°53	20° 1	23°20	S 3
M 4	20 51 7	11°55'12	15°33	4°20	22°54	14°36	1° 3	24° 1	28°24	1°46	21°46	22°52	21°50	20° 7	23°21	M 4
T 5	20 55 4	12°52'39	28°58	4°27	24° 3	15°13	1° 5	24° 7	28°24	1°45	21°47	22°50	21°47	20°14	23°23	T 5
W 6	20 59 0	13°50'06	12 Mp 5	4°R29	25°11	15°51	1° 6	24°13	28°24	1°44	21°48	22°47	21°44	20°21	23°24	W 6
T 7	21 2 57	14°47'34	24°54	4°26	26°19	16°28	1° 8	24°19	28°D24	1°43	21°48	22°44	21°41	20°27	23°25	T 7
F 8	21 6 53	15°45'03	7 ≏ 25	4°18	27°28	17° 6	1°10	24°25	28°24	1°42	21°49	22°40	21°37	20°34	23°27	F 8
S 9	21 10 50	16°42'33	19°40	4° 4	28°36	17°43	1°12	24°31	28°24	1°41	21°50	22°37	21°34	20°41	23°29	S 9
S 10	21 14 46	17°40'03	1 M .44	3°45	29°44	18°21	1°14	24°36	28°24	1°40	21°51	22°35	21°31	20°47	23°30	S 10
M11	21 18 43	18°37'35	13°40	3°21	0 ჲ 51	18°59	1°16	24°42	28°24	1°39	21°52	22°D34	21°28	20°54	23°32	M11
T 12	21 22 40	19°35'07	25°32	2°52	1°59	19°36	1°19	24°48	28°25	1°38	21°53	22°34	21°25	21° 1	23°34	T 12
W13	21 26 36	20°32'40	7 . ₹26	2°18	3° 7	20°14	1°22	24°53	28°25	1°37	21°54	22°35	21°22	21° 8	23°36	W13
T 14	21 30 33	21°30'13	19°26	1°39	4°14	20°52	1°24	24°59	28°25	1°36	21°54	22°37	21°18	21°14	23°38	T 14
F 15	21 34 29	22°27'48	1 る 36	0°57	5°21	21°30	1°28	25° 4	28°26	1°35	21°55	22°39	21°15	21°21	23°41	F 15
S 16	21 38 26	23°25'24	14° 1	0°12	6°28	22° 8	1°31	25° 9	28°26	1°34	21°56	22°40	21°12	21°28	23°43	S 16
S 17	21 42 22	24°23'01	26°44	29№23	7°35	22°45	1°34	25°15	28°27	1°33	21°57	22°R40	21° 9	21°34	23°45	S 17
M18	21 46 19	25°20'39	9 ≈ 46	28°34	8°42	23°23	1°38	25°20	28°27	1°33	21°57	22°39	21° 6	21°41	23°48	M18
T 19	21 50 15	26°18'18	23° 8	27°43	9°49	24° 1	1°42	25°25	28°28	1°32	21°58	22°36	21° 3	21°48	23°51	T 19
W20	21 54 12	27°15'58	6 ∺ 49	26°52	10°56	24°39	1°46	25°30	28°29	1°31	21°59	22°32	20°59	21°55	23°53	W20
T 21	21 58 9	28°13'39	20°46	26° 2	12° 2	25°17	1°50	25°35	28°29	1°30	21°59	22°27	20°56	22° 1	23°56	T 21
F 22	22 2 5	29°11'22	4 Υ 55	25°15	13° 8	25°55	1°54	25°40	28°30	1°30	22° 0	22°21	20°53	22° 8	23°59	F 22
S 23	22 6 2	0 m) 9'07	19°12	24°30	14°14	26°34	1°58	25°45	28°31	1°29	22° 1	22°16	20°50	22°15	24° 2	S 23
S 24	22 9 58	1° 6'53	3 8 31	23°50	15°20	27°12	2° 3	25°49	28°32	1°28	22° 1	22°12	20°47	22°21	24° 5	S 24
M25	22 13 55	2° 4'40	17°49	23°14	16°26	27°50	2° 8	25°54	28°33	1°28	22° 2	22° 9	20°43	22°28	24° 8	M25
T 26	22 17 51	3° 2'30	2 II 3	22°44	17°32	28°28	2°12	25°58	28°34	1°27	22° 3	22°D 9	20°40	22°35	24°12	T 26
W27	22 21 48	4° 0'21	16° 9	22°21	18°37	29° 6	2°18	26° 3	28°35	1°27	22° 3	22° 9	20°37	22°41	24°15	W27
T 28	22 25 44	4°58'15	0න 8	22° 5	19°42	29°45	2°23	26° 7	28°36	1°26	22° 4	22°10	20°34	22°48	24°19	T 28
F 29	22 29 41	5°56'10	13°58	21°56	20°47	0 ჲ 23	2°28	26°12	28°37	1°26	22° 4	22°11	20°31	22°55	24°22	F 29
S 30	22 33 37	6°54'06	27°39	21°D55	21°52	1° 2	2°34	26°16	28°38	1°25	22° 5	22°R12	20°28	23° 2	24°26	S 30
S 31	22 37 34	7 m 52'05	11 0 9	22 N 2	22 £ 57	1 ≏ 40	2 ₹ 39	26∏20	28 M 39	1 3 25	22 II 5	22510	20924	23M 8	24MJ30	S 31

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S 3 M 4 T 5 W 6 T 7 F 8	17 28 17 12 16 56 16 40 16 23 16 6	18 6 2 1 14 44 3 6 10 42 3 5 6 17 4 3 1 42 5	2 6 44 3 2 6 6 30 3 3 3 9 6 19 3 4 8 6 10 3 5 3 6 3 4	5 3 30 0 44 7 2 59 0 41 8 2 29 0 37 9 1 59 0 34 9 1 28 0 30	6 55 0 55 6 40 0 55 6 25 0 54 6 10 0 54 5 55 0 53	19 39 0 43 19 40 0 43 19 40 0 43 19 41 0 42 19 41 0 42	21 56 1 21 21 56 1 21 21 56 1 21 21 56 1 21 21 57 1 21 21 57 1 21	19 37 0 11 19 37 0 11 19 37 0 11 19 37 0 11 19 37 0 11	22 14 1 10 22 14 1 10 22 14 1 10 22 14 1 10	14 9 9 2 14 9 9 2 14 9 9 2 14 9 9 2 14 9 9 2 14 9 9 2	21 29 2 21 29 2 21 30 2 21 30 2 21 31 2	21 39 13 21 39 13 21 40 13 21 41 13 21 41 13	21 15 15 3 27 23 15 16 3 27 25 15 16 3 27 27 15 16 3 26 30 15 17 3 26 32 15 17 3 26
S 9 S 10 M11 T 12 W13 T 14 F 15 S 16		7 13 5 10 11 16 4 5 14 52 4 24 17 52 3 4	0 5 58 4 2 8 6 0 4 3 4 6 5 4 4 8 6 12 4 4 2 6 23 4 4 8 6 36 4 5	7 0 27 0 23 4 0s 3 0 19 0 0 34 0 15 5 1 4 0 11 8 1 35 0 7 0 2 5 0 2	5 24 0 52 5 9 0 52 4 54 0 51 4 38 0 51 4 23 0 50 4 8 0 50	19 43 0 42 19 43 0 41 19 44 0 41 19 45 0 41 19 46 0 40	21 57 1 21 21 57 1 21 21 58 1 21 21 58 1 21 21 58 1 22 21 58 1 22	19 37 0 11 19 37 0 11	22 15 1 10 22 15 1 10 22 15 1 10	14 8 9 3 14 8 9 3	21 32 2 21 32 2 21 32 2 21 32 2 21 31 2 21 31 2	21 42 13 21 43 13 21 43 13 21 43 13 21 44 13 21 44 13	34 15 18 3 26 36 15 18 3 26 38 15 19 3 26 40 15 20 3 26 43 15 20 3 26 45 15 21 3 26 47 15 22 3 25 49 15 22 3 25
S 17 M18 T 19 W20 T 21 F 22 S 23	13 23 13 4 12 44 12 25 12 5 11 45 11 25	21 9 0 s 2: 19 16 1 3: 16 17 2 3: 12 22 3 3: 7 42 4 2:	2 7 10 4 4 4 2 7 31 4 4 4 9 7 53 4 3 7 8 17 4 3 4 8 43 4 2 5 9 9 4 1	8 3 6 0 6 5 3 37 0 11 9 4 7 0 15 1 4 37 0 20 2 5 7 0 24 1 5 37 0 29	3 37 0 48 3 21 0 48 3 6 0 47 2 50 0 47 2 35 0 46 2 19 0 46	19 48 0 40 19 49 0 40 19 50 0 40 19 51 0 39 19 52 0 39 19 53 0 39	21 58 1 22 21 59 1 22	19 37 0 11 19 38 0 11 19 38 0 11 19 38 0 11 19 38 0 11	22 15 1 10 22 15 1 10 22 15 1 10 22 15 1 10 22 15 1 9 22 15 1 9	14 8 9 4 14 8 9 4 14 8 9 4 14 8 9 4 14 7 9 4 14 7 9 4	21 31 2 21 31 2 21 32 2 21 32 2 21 33 2 21 34 2	21 45 13 21 46 13 21 46 13	51 15 23 3 25 53 15 24 3 25 55 15 24 3 25 57 15 25 3 25 0 15 26 3 25 2 15 27 3 25
S 24 M25 T 26 W27 T 28 F 29 S 30	11 4 10 44 10 23 10 2 9 41 9 20 8 58	7 54 5 4 12 39 4 44 16 39 3 5 19 40 3 2 21 29 1 5 21 57 0 4 21 6 0n2	4 10 2 3 4 0 10 28 3 2 3 10 53 3 1 3 11 17 2 5 7 11 39 2 3 4 11 59 2 1 9 12 17 2	4 6 37 0 38 9 7 7 0 43 3 7 37 0 48 5 8 6 0 53 8 8 35 0 58	1 48 0 45 1 32 0 44 1 17 0 44 1 1 0 43 0 45 0 43 0 29 0 42 0 14 0 42	19 55 0 39 19 57 0 38 19 58 0 38 19 59 0 38 20 0 0 38 20 1 0 38 20 3 0 37	21 59 1 22 21 59 1 22 21 59 1 22 21 59 1 22 21 59 1 22 22 0 1 22 22 0 1 22 22 0 1 22	19 39 0 11 19 39 0 10 19 39 0 10 19 39 0 10 19 40 0 10 19 40 0 10	22 15 1 9 22 16 1 9	14 7 9 5 14 7 9 5 14 7 9 5 14 7 9 5 14 7 9 5 14 7 9 5 14 7 9 5 14 6 9 5	21 36 2 21 36 2 21 36 2 21 36 2 21 36 2 21 36 2 21 36 2	21 49 14 21 49 14 21 50 14 21 50 14 21 51 14 21 51 14 21 52 14	

Julian Day Number = 2506178.5, Delta T = 121.37 sec

Ecliptic obliquity = $23^{\circ}25'08$, Nutation = - $0^{\circ}00'15$, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = $26^{\circ}49'50$, Lahiri = $25^{\circ}56'50$

SEPTEMBER 2149 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ)វ(¥	Р	ß	Ω	Ç	ķ	Day
M 1	22 41 31	8 m 50'05	24 Ω 28	22 Ω 17	24 ♀ 1	2 ₽ 19	2 ₹ 45	26∏24	28 M 41	1°R25	22 I 6	22°R 6	209521	23 M .15	24M34	M 1
T 2	22 45 27	9°48'07	7 m 34	22°41	25° 6	2°57	2°51	26°28	28°42	1 ਰ 24	22° 6	2295 0	20°18	23°22	24°37	T 2
W 3	22 49 24	10°46'10	20°26	23°13	26°10	3°36	2°57	26°32	28°43	1°24	22° 6	21°52	20°15	23°28	24°42	W 3
T 4	22 53 20	11°44'15	3 ₾ 5	23°53	27°14	4°14	3° 4	26°36	28°45	1°24	22° 7	21°43	20°12	23°35	24°46	T 4
F 5	22 57 17	12°42'21	15°30	24°40	28°17	4°53	3°10	26°39	28°46	1°23	22° 7	21°34	20° 9	23°42	24°50	F 5
S 6	23 1 13	13°40'29	27°42	25°35	29°21	5°32	3°17	26°43	28°48	1°23	22° 8	21°26	20° 5	23°48	24°54	S 6
S 7	23 5 10	14°38'38	9 M .43	26°38	0 M 24	6°10	3°23	26°46	28°49	1°23	22° 8	21°19	20° 2	23°55	24°58	S 7
M 8	23 9 6	15°36'49	21°37	27°47	1°27	6°49	3°30	26°50	28°51	1°23	22° 8	21°13	19°59	24° 2	25° 3	M 8
T 9	23 13 3	16°35'02	3 ₹ 28	29° 2	2°29	7°28	3°37	26°53	28°53	1°23	22° 8	21°10	19°56	24° 9	25° 7	T 9
W10	23 17 0	17°33'16	15°19	0 m 24	3°32	8° 7	3°44	26°56	28°55	1°22	22° 9	21°D 9	19°53	24°15	25°12	W10
T 11	23 20 56	18°31'31	2 <u>7</u> °17	1°50	4°34	8°46	3°52	26°59	28°56	1°22	22° 9	21°10	19°49	24°22	25°17	T 11
F 12	23 24 53	19°29'48	9 궁 27	3°21	5°36	9°25	3°59	27° 2	28°58	1°22	22° 9	21°10	19°46	24°29	25°21	F 12
S 13	23 28 49	20°28'07	21°53	4°57	6°37	10° 4	4° 7	27° 5	29° 0	1°D22	22° 9	21°R11	19°43	24°35	25°26	S 13
S 14	23 32 46	21°26'27	4≈40	6°36	7°38	10°43	4°14	27° 8	29° 2	1°22	22°10	21°10	19°40	24°42	25°31	S 14
M15	23 36 42	22°24'48	17°51	8°18	8°39	11°22	4°22	27°11	29° 4	1°22	22°10	21° 7	19°37	24°49	25°36	M15
T 16	23 40 39	23°23'12	1 ∺ 28	10° 3	9°40	12° 1	4°30	27°13	29° 6	1°23	22°10	21° 2	19°34	24°55	25°41	T 16
W17	23 44 35	24°21'37	15°29	11°50	10°40	12°40	4°38	27°16	29° 8	1°23	22°10	20°54	19°30	25° 2	25°46	W17
T 18	23 48 32	25°20'03	29°51	13°39	11°40	13°19	4°46	27°18	29°10	1°23	22°10	20°45	19°27	25° 9	25°52	T 18
F 19	23 52 29	26°18'32	14 Y 27	15°28	12°40	13°58	4°55	27°21	29°12	1°23	22°10	20°35	19°24	25°16	25°57	F 19
S 20	23 56 25	27°17'03	29°11	17°19	13°39	14°38	5° 3	27°23	29°14	1°23	22°10	20°25	19°21	25°22	26° 2	S 20
S 21	0 0 22	28°15'35	13 8 54	19°11	14°38	15°17	5°12	27°25	29°16	1°23	22°10	20°17	19°18	25°29	26° 8	S 21
M22	0 4 18	29°14'10	28°30	21° 3	15°36	15°56	5°20	27°27	29°19	1°24	22°R10	20°11	19°14	25°36	26°13	M22
T 23	0 8 15	0 ≏ 12'47	12 Ⅱ 53	22°55	16°34	16°36	5°29	27°29	29°21	1°24	22°10	20° 8	19°11	25°42	26°19	T 23
W24	0 12 11	1°11'27	27° 1	24°46	17°32	17°15	5°38	27°31	29°23	1°24	22°10	20°D 7	19° 8	25°49	26°24	W24
T 25	0 16 8	2°10'09	10953	26°38	18°29	17°55	5°47	27°32	29°26	1°25	22°10	20° 7	19° 5	25°56	26°30	T 25
F 26	0 20 4	3° 8'53	24°29	28°29	19°26	18°34	5°56	27°34	29°28	1°25	22°10	20°R 7	19° 2	26° 2	26°36	F 26
S 27	0 24 1	4° 7'39	7 Ω 50	0 ჲ 20	20°22	19°14	6° 6	27°35	29°31	1°26	22°10	20° 6	18°59	26° 9	26°42	S 27
S 28	0 27 58	5° 6'27	20°59	2°10	21°18	19°54	6°15	27°37	29°33	1°26	22°10	20° 2	18°55	26°16	26°48	S 28
M29	0 31 54	6° 5'18	3 m 56	3°59	22°13	20°33	6°25	27°38	29°36	1°27	22°10	19°56	18°52	26°22	26°54	M29
T 30	0 35 51	7 요 4'10	16 M 42	5 ≏ 48	23M 8	21 ≏ 13	6 ₮ 34	27 Ⅲ 39	29 M 38	1 る 27	22 II 9	199547	189549	26M29	27 ™ 0	T 30

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	decl	decl lat	decl la	at decl	lat d	ecl lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	8n15	15n57 2n45	12n45	1 s24 10 s31	1s18 0	s18 0n40	20s 5	0n37	22n 0	1 s22	19 s41	0n10	22 s16	1n 9	14n 6	9s 6	21n36	21n53	14 s23	15 s36	3n24
T 2	7 53	12 7 3 40	12 54	1 6 10 59	1 23 0	34 0 40	20 7	0 37	22 0	1 23	19 41	0 10	22 16	1 9	14 6	9 6	21 37	21 53	14 25	15 37	3 23
W 3	7 31	7 48 4 22	13 0	0 48 11 28	1 28 0	49 0 39	20 8	0 37	22 0	1 23	19 41	0 10	22 16	1 9	14 6	9 6	21 39	21 54	14 27	15 38	3 23
T 4	7 9	3 13 4 50	13 3	0 31 11 56	1 33 1	5 0 39		0 36	-	1 23				1 9	14 6	9 6			14 29		3 23
F 5	6 47	1 s25 5 4	13 3	0 15 12 23	1 39 1	21 0 38	20 11	0 36	-	1 23	19 42	0 10	22 16	1 9	14 6	9 6	21 42	21 55	14 31	15 40	3 23
S 6	6 25	5 54 5 4	12 59	0n 0 12 51	1 44 1	37 0 38	20 12	0 36	22 0	1 23	19 42	0 10	22 16	1 9	14 6	9 6	21 43	21 55	14 33	15 41	3 23
S 7	6 3	10 7 4 51	12 52	0 15 13 18	1 49 1	53 0 37	20 14	0 36	22 0	1 23	19 43	0 10	22 16	1 9	14 5	9 7	21 44	21 56	14 35	15 43	3 23
M 8	5 40	13 54 4 25	12 41	0 28 13 45	1 54 2	9 0 37	20 15	0 36	22 0	1 23	19 43	0 10	22 16	1 9	14 5	9 7	21 45	21 56	14 38	15 44	3 23
T 9	5 17	17 7 3 47	12 26	0 41 14 12	2 0 2	24 0 36	20 17	0 35	22 0	1 23	19 44	0 10	22 16	1 9	14 5	9 7	21 45	21 56	14 40	15 45	3 23
W10	4 55	19 38 3 (12 9	0 53 14 39	-		20 18	0 35	-	1 23	19 44			1 9	14 5	9 7			14 42		3 23
T 11	4 32	21 19 2 4	11 48	1 3 15 5	2 10 2	56 0 35	20 20	0 35	22 0	1 23	19 44	0 10	22 16	1 9	14 5	9 7	21 45	21 57	14 44	15 47	3 23
F 12	4 9	22 3 1 2	11 23	1 12 15 31	2 16 3	12 0 35	20 21	0 35	22 0	1 23	19 45	0 10	22 16	1 9	14 5	9 7	21 45	21 58	14 46	15 48	3 23
S 13	3 46	21 42 0s 4	10 56	1 21 15 56	2 21 3	28 0 34	20 23	0 35	22 0	1 23	19 45	0 10	22 16	1 8	14 5	9 8	21 45	21 58	14 48	15 50	3 23
S 14	3 23	20 14 1 11	10 26	1 28 16 21	2 27 3	43 0 33	20 25	0 34	22 0	1 23	19 46	0 10	22 16	1 8	14 4	9 8	21 45	21 59	14 50	15 51	3 22
M15	3 0	17 39 2 17	9 54	1 34 16 46	2 32 3	59 0 33	20 26	0 34	22 0	1 23	19 46	0 10	22 16	1 8	14 4	9 8	21 46	21 59	14 52	15 52	3 22
T 16	2 37	14 1 3 17	9 19	1 39 17 11	2 37 4	15 0 32	20 28	0 34	22 0	1 23	19 47	0 10	22 16	1 8	14 4	9 8	21 47	22 0	14 54	15 53	3 22
W17	2 14	9 31 4 7	8 42	1 43 17 35	2 43 4		20 30	0 34	-	1 24	19 47	0 10		1 8	14 4	9 8	21 48	22 0		15 55	3 22
T 18	1 51	4 23 4 43	8 3	1 46 17 59	2 48 4	46 0 31	20 31	0 34	-	1 24	19 47	0 10	22 16	1 8	14 4	9 8	21 49	22 1	14 58	15 56	3 22
F 19	1 28	1n 4 5 1		1 48 18 23				0 33	-		19 48			1 8	14 4		21 51			15 57	3 22
S 20	1 5	6 30 4 59	6 41	1 49 18 46	2 59 5	18 0 30	20 35	0 33	22 0	1 24	19 48	0 10	22 17	1 8	14 4	9 9	21 52	22 1	15 3	15 58	3 22
S 21	0 41	11 35 4 38	5 58	1 50 19 9	3 4 5	34 0 30	20 36	0 33	22 0	1 24	19 49	0 10	22 17	1 8	14 3	9 9	21 53	22 2	15 5	16 0	3 22
M22	0 18	15 56 3 58	5 14	1 50 19 31	3 10 5	49 0 29	20 38	0 33	22 0	1 24	19 49	0 10	22 17	1 8	14 3	9 9	21 54	22 2	15 7	16 1	3 22
T 23	0s 5	19 17 3 4	4 29	1 49 19 53	3 15 6	5 0 29	20 40	0 33	22 0	1 24	19 50	0 10	22 17	1 8	14 3	9 9	21 55	22 3	15 9	16 2	3 22
W24	0 28	21 24 1 59	3 43	1 47 20 15	3 20 6	20 0 28	20 41	0 33	22 0	1 24	19 50	0 10	22 17	1 8	14 3	9 9	21 55	22 3	15 11	16 4	3 22
T 25	0 52	22 10 0 49	2 57	1 45 20 36	3 25 6	36 0 27	20 43	0 32	22 0	1 24	19 51	0 10	22 17	1 8	14 3	9 9	21 55	22 4	15 13	16 5	3 22
F 26	1 15	21 35 0n23	2 10	1 42 20 57	3 31 6	52 0 27	20 45	0 32	22 0	1 24	19 52	0 10	22 17	1 8	14 3	9 10	21 55	22 4	15 15	16 6	3 22
S 27	1 38	19 47 1 32	1 23	1 39 21 17	3 36 7	7 0 26	20 47	0 32	22 0	1 24	19 52	0 10	22 17	1 8	14 2	9 10	21 55	22 5	15 17	16 8	3 22
S 28	2 2	16 57 2 36	0 36	1 35 21 37	3 41 7	23 0 26	20 49	0 32	22 0	1 24	19 53	0 10	22 17	1 8	14 2	9 10	21 55	22 5	15 19	16 9	3 22
M29	2 25	13 19 3 30	0s11	1 31 21 57	3 46 7	38 0 25	20 50	0 32	21 59	1 24	19 53	0 10	22 17	1 8	14 2	9 10	21 56	22 6	15 21	16 10	3 22
T 30	2 s48	9n 7 4n12	0s58	1n27 22s16	3 s 5 1 7	s53 0n25	20 s52	0n32	21n59	1 s24	19 s54	0n10	22 s17	1n 8	14n 2	9s10	21n58	22n 6	15 s23	16s12	3n22

Julian Day Number = 2506209.5, Delta T = 121.43 sec Ecliptic obliquity = 23°25'09, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 26°49'54, Lahiri = 25°56'54

OCTOBER 2149 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)ţ(¥	В	R	Ω	Ç	ķ	Day
W 1	0 39 47	8₾ 3'05	29 m 17	7 Ω 36	24M 3	21 ≏ 53	6 × 744	27 I I40	29 M 41	1る28	22°R 9	19°R35	18946	26M36	27 M 6	W 1
T 2	0 43 44	9° 2'02	11 <u>2</u> 42	9°23	24°56	22°33	6°54	27°41	29°43	1°29	22 I 9	199522	18°43	26°43	27°12	T 2
F 3	0 47 40	10° 1'01	23°56	11° 9	25°50	23°13	7° 4	27°42	29°46	1°29	22° 9	19° 8	18°40	26°49	27°18	F 3
S 4	0 51 37	11° 0'01	6M 2	12°54	26°42	23°52	7°14	27°43	29°49	1°30	22° 8	18°55	18°36	26°56	27°24	S 4
S 5	0 55 33	11°59'04	17°59	14°38	27°34	24°32	7°24	27°43	29°52	1°31	22° 8	18°43	18°33	27° 3	27°31	S 5
M 6	0 59 30	12°58'08	29°50	16°22	28°26	25°12	7°34	27°44	29°54	1°31	22° 8	18°34	18°30	27° 9	27°37	M 6
T 7	1 3 26	13°57'15	11 ∡ 38	18° 5	29°16	25°52	7°44	27°44	29°57	1°32	22° 8	18°28	18°27	27°16	27°44	T 7
W 8	1 7 23	14°56'23	23°27	19°47	0 x ⁷ 6	26°33	7°55	27°44	0 🗷 0	1°33	22° 7	18°25	18°24	27°23	27°50	W 8
T 9	1 11 20	15°55'33	5 云 22	21°28	0°56	27°13	8° 5	27°44	0° 3	1°34	22° 7	18°23	18°20	27°29	27°57	T 9
F 10	1 15 16	16°54'45	17°29	23° 8	1°44	27°53	8°16	27°R44	0° 6	1°35	22° 6	18°23	18°17	27°36	28° 3	F 10
S 11	1 19 13	17°53'59	29°51	24°48	2°32	28°33	8°26	27°44	0° 9	1°36	22° 6	18°23	18°14	27°43	28°10	S 11
S 12	1 23 9	18°53'14	12≈36	26°27	3°19	29°13	8°37	27°44	0°12	1°36	22° 6	18°22	18°11	27°49	28°17	S 12
M13	1 27 6	19°52'31	25°47	28° 5	4° 5	29°54	8°48	27°44	0°15	1°37	22° 5	18°18	18° 8	27°56	28°23	M13
T 14	1 31 2	20°51'50	9 ∺ 26	29°42	4°50	0 M .34	8°59	27°43	0°18	1°38	22° 5	18°12	18° 5	28° 3	28°30	T 14
W15	1 34 59	21°51'10	23°35	1 M .18	5°34	1°15	9°10	27°43	0°21	1°39	22° 4	18° 4	18° 1	28°10	28°37	W15
T 16	1 38 55	22°50'33	8 Υ 10	2°54	6°18	1°55	9°21	27°42	0°24	1°41	22° 4	17°53	17°58	28°16	28°44	T 16
F 17	1 42 52	23°49'57	23° 5	4°29	7° 0	2°36	9°32	27°41	0°27	1°42	22° 3	17°42	17°55	28°23	28°51	F 17
S 18	1 46 49	24°49'24	8811	6° 4	7°41	3°16	9°44	27°41	0°30	1°43	22° 3	17°30	17°52	28°30	28°58	S 18
S 19	1 50 45	25°48'52	23°18	7°38	8°21	3°57	9°55	27°40	0°34	1°44	22° 2	17°21	17°49	28°36	29° 5	S 19
M20	1 54 42	26°48'23	8 I I16	9°11	9° 0	4°37	10° 6	27°39	0°37	1°45	22° 2	17°14	17°45	28°43	29°12	M20
T 21	1 58 38	27°47'56	22°57	10°43	9°38	5°18	10°18	27°37	0°40	1°46	22° 1	17°10	17°42	28°50	29°19	T 21
W22	2 2 3 5	28°47'32	79517	12°15	10°15	5°59	10°30	27°36	0°43	1°48	22° 0	17° 8	17°39	28°56	29°26	W22
T 23	2 6 31	29°47'10	21°13	13°46	10°50	6°40	10°41	27°35	0°47	1°49	22° 0	17°D 8	17°36	29° 3	29°33	T 23
F 24	2 10 28	0M46'50	4 Ω 48	15°17	11°24	7°20	10°53	27°33	0°50	1°50	21°59	17°R 8	17°33	29°10	29°40	F 24
S 25	2 14 24	1°46'32	18° 2	16°47	11°57	8° 1	11° 5	27°32	0°53	1°51	21°58	17° 7	17°30	29°16	29°48	S 25
S 26	2 18 21	2°46'16	0 m /58	18°17	12°28	8°42	11°17	27°30	0°57	1°53	21°58	17° 4	17°26	29°23	29°55	S 26
M27	2 22 18	3°46'03	13°40	19°46	12°58	9°23	11°29	27°28	1° 0	1°54	21°57	16°58	17°23	29°30	0 x 2	M27
T 28	2 26 14	4°45'52	26°10	21°14	13°26	10° 4	11°41	27°26	1° 4	1°56	21°56	16°50	17°20	29°36	0° 9	T 28
W29	2 30 11	5°45'43	8₾30	22°41	13°53	10°45	11°53	27°24	1° 7	1°57	21°56	16°38	17°17	29°43	0°17	W29
T 30	2 34 7	6°45'36	20°41	24° 8	14°18	11°27	12° 5	27°22	1°10	1°58	21°55	16°26	17°14	29°50	0°24	T 30
F 31	2 38 4	7 M .45'31	2 M .45	25 M 35	14 ∡ 142	12 M 8	12 ,7 17	27 Ⅱ 20	1 √ 14	2중 0	21 II 54	169612	179911	29 IL 57	0 ∡ 32	F 31

Day	0	D		ģ	Q	1	ď	7	2	+	ħ	<u> </u>)	j (4	7	E	2	n	u	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
W 1 T 2 F 3 S 4	3 s11 3 35 3 58 4 21	4n36 4n4 0s 3 4 5 4 39 4 5 9 0 4 4	7 2 32 9 3 18	1 17	7 22 53 2 23 10	3 s 5 6 4 1 4 6 4 11	8s 9 8 24 8 39 8 55	0 23 0 23	20 s54 20 56 20 58 20 59	0 31 0 31	21n59 21 59 21 59 21 59	1 25 1 25	19 s 5 4 19 5 5 19 5 5 19 5 6	0 10 0 10	22 s17 22 17 22 17 22 17	1n 8 1 8 1 8 1 7	14 2 14 1	9s10 9 10 9 11 9 11	22 3	22 7	15 27 15 29	16s13 16 15 16 16 16 17	3n22 3 22 3 22 3 22
S 5 M 6 T 7 W 8 T 9	4 44 5 7 5 30 5 53	-		0 54 0 48 0 42	23 45 4 24 1 8 24 17 2 24 32	4 15 4 20 4 24 4 29 4 33	9 10 9 25 9 40 9 55 10 10	0 22	21 1 21 3 21 5 21 7	0 31 0 31 0 30 0 30	21 59 21 59 21 59 21 59 21 59	1 25 1 25 1 25 1 25	19 57 19 57 19 58 19 59 19 59	0 10 0 10 0 10 0 10	22 17 22 17	1 7 1 7 1 7 1 7 1 7	14 1 14 1 14 1	9 11	22 7 22 8 22 9 22 9	22 8 22 9 22 9 22 9	15 33 15 35 15 37	16 19 16 20 16 22 16 23	3 22 3 22 3 22 3 22 3 22
F 10 S 11 S 12	6 38	22 12 0 21 9 1s	5 8 33	0 28	25 1 2 25 15	4 33 4 37 4 42 4 46	10 25 10 40	0 19 0 18	21 10 21 12 21 14	0 30 0 30	21 59 21 59 21 59 21 59	1 25 1 25 1 25 1 25	20 0 20 0	0 10 0 10	22 17 22 17 22 17 22 17	1 7 1 7 1 7	14 0 14 0	9 12 9 12	22 9 22 10	22 10 22 11	15 43 15 45 15 47	16 26 16 27	3 22 3 22 3 22 3 22
M13 T 14 W15 T 16 F 17	8 8 8 30 8 53 9 15	11 39 3 5 6 44 4 3 1 18 4 5 4n20 4 5	4 12 0 6 12 40 9 13 19	0 0 1 0 0s 6 0 0 13 0 0 20	1 25 53 6 26 5 8 26 16 0 26 27	4 50 4 53 4 57 5 0 5 4	11 9 11 24 11 39 11 53 12 8	0 17 0 17 0 16 0 16 0 15	21 16 21 18 21 19 21 21 21 23	0 30 0 29 0 29 0 29 0 29	21 59 21 58 21 58 21 58	1 25 1 25 1 26 1 26 1 26	20 2 20 2 20 3 20 4 20 4	0 10 0 10 0 10 0 10 0 10	22 17 22 17 22 18 22 18 22 18		14 0 13 59 13 59 13 59	9 12 9 12 9 12 9 13	22 12 22 14 22 15	22 12 22 12 22 13 22 13	15 52 15 54 15 56 15 58	16 33 16 35 16 36	3 22 3 22 3 22 3 22 3 22
S 18 S 19 M20 T 21 W22 T 23 F 24 S 25	10 20 10 41 11 2 11 23 11 44	14 39 4 18 32 3 1 21 10 2 22 21 0 5 22 6 0n2 20 32 1 3	2 16 55	0 33 0 40 0 47 0 54 1 0 1 7	7 27 4 1 27 12	5 10 5 13 5 15 5 18 5 20 5 22	12 51 13 5	0 14 0 13 0 13 0 12 0 12 0 11	21 25 21 27 21 28 21 30 21 32 21 34 21 36 21 37	0 29 0 29 0 28 0 28 0 28 0 28		1 26 1 26 1 26 1 26	20 6 20 6 20 7 20 8 20 8	0 10 0 10 0 10 0 10 0 10 0 10	22 18 22 18 22 18 22 18 22 18 22 18 22 18 22 18 22 18	1 7 1 7 1 7 1 7 1 7 1 7	13 59 13 58 13 58	9 13 9 13 9 13 9 13 9 13 9 13	22 18 22 19 22 19 22 19 22 19 22 19 22 19	22 14 22 15 22 15 22 15 22 16 22 16	16 4 16 6	16 39 16 41 16 42 16 43 16 45 16 46	3 22 3 22 3 22 3 22 3 22 3 22 3 22 3 22
S 26 M27 T 28 W29 T 30 F 31	12 25 12 46 13 6 13 26 13 46 14s 5	10 18 4 1 5 50 4 4 1 12 4 5 3 s 2 6 5	0 18 32 3 19 3 2 19 32 8 20 1 1 20 28 9 20 s55	1 26 1 32 1 38 1 44	27 44 2 27 48	5 26 5 27 5 28	14 41 14 55 15 8	0 9 0 9 0 8 0 7	21 39 21 41 21 43 21 44 21 46 21 s48	0 28 0 28 0 27 0 27	21 58 21 57 21 57 21 57 21 57 21 57 21n57	1 26 1 26 1 26 1 26	20 11 20 11 20 12 20 13 20 13 20 s14	0 9 0 9 0 9 0 9	22 18 22 18 22 18 22 18 22 18 22 18 22 s18	1 7 1 6 1 6 1 6	13 57 13 57	9 14 9 14 9 14 9 14	22 21 22 22 22 23 22 25	22 17 22 18 22 18 22 19	16 15 16 17 16 19 16 21 16 23 16s25	16 51 16 52 16 54	3 22 3 22 3 22 3 22 3 23 3n23

Julian Day Number = 2506239.5, Delta T = 121.49 sec Ecliptic obliquity = $23^{\circ}25'09$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}49'58$, Lahiri = $25^{\circ}56'58$

NOVEMBER 2149 00:00 UT

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Day	Sid.t	0	D	ğ	φ	♂ [™]	4	ħ)∤(¥	Р	R	v	Ç	Š	Day
S 1	2 42 0	8ML45'27	14M43	27 M 0	15 ×7 3	12 M 49	12 × 29	27°R17	1 7 17	2පි 1	21°R53	15°R59	1795 7	0 水 3	0 ₮ 39	S 1
S 2	2 45 57	9°45'26	26°35	28°25	15°23	13°30	12°42	27 II 15	1°21	2° 3	21 II 52	159548	17° 4	0°10	0°47	S 2
M 3	2 49 53	10°45'27	8 ~ 124	29°50	15°41	14°12	12°54	27°12	1°24	2° 5	21°52	15°40	17° 1	0°17	0°54	M 3
T 4	2 53 50	11°45'30	20°12	1 √ 13	15°56	14°53	13° 7	27°10	1°28	2° 6	21°51	15°34	16°58	0°23	1° 2	T 4
W 5	2 57 47	12°45'34	2ਰ 1	2°35	16°10	15°34	13°19	27° 7	1°31	2° 8	21°50	15°30	16°55	0°30	1° 9	W 5
T 6	3 1 43	13°45'40	13°56	3°57	16°22	16°16	13°32	27° 4	1°35	2° 9	21°49	15°D29	16°51	0°37	1°17	T 6
F 7	3 5 40	14°45'47	26° 1	5°18	16°31	16°57	13°44	27° 1	1°39	2°11	21°48	15°30	16°48	0°43	1°24	F 7
S 8	3 9 36	15°45'56	8≈21	6°37	16°39	17°39	13°57	26°58	1°42	2°13	21°47	15°30	16°45	0°50	1°32	S 8
S 9	3 13 33	16°46'07	21° 0	7°55	16°44	18°21	14°10	26°55	1°46	2°14	21°46	15°R31	16°42	0°57	1°40	S 9
M10	3 17 29	17°46'19	4 光 5	9°12	16°46	19° 2	14°22	26°52	1°49	2°16	21°45	15°29	16°39	1° 3	1°47	M10
T 11	3 21 26	18°46'32	17°37	10°28	16°R47	19°44	14°35	26°49	1°53	2°18	21°44	15°26	16°36	1°10	1°55	T 11
W12	3 25 22	19°46'47	1 Υ 40	11°42	16°44	20°26	14°48	26°45	1°57	2°20	21°43	15°20	16°32	1°17	2° 3	W12
T 13	3 29 19	20°47'03	16°12	12°54	16°40	21° 8	15° 1	26°42	2° 0	2°21	21°43	15°12	16°29	1°23	2°10	T 13
F 14	3 33 16	21°47'21	18 9	14° 4	16°33	21°49	15°14	26°38	2° 4	2°23	21°42	15° 4	16°26	1°30	2°18	F 14
S 15	3 37 12	22°47'41	16°22	15°12	16°23	22°31	15°27	26°35	2° 8	2°25	21°41	14°56	16°23	1°37	2°26	S 15
S 16	3 41 9	23°48'02	1 Ⅱ 40	16°17	16°11	23°13	15°40	26°31	2°11	2°27	21°40	14°49	16°20	1°44	2°33	S 16
M17	3 45 5	24°48'25	16°54	17°19	15°57	23°55	15°53	26°27	2°15	2°29	21°39	14°44	16°17	1°50	2°41	M17
T 18	3 49 2	25°48'50	1953	18°18	15°40	24°37	16° 6	26°23	2°19	2°31	21°38	14°41	16°13	1°57	2°49	T 18
W19	3 52 58	26°49'16	16°29	19°14	15°21	25°19	16°19	26°19	2°23	2°33	21°36	14°D40	16°10	2° 4	2°57	W19
T 20	3 56 55	27°49'45	0 Ω 40	20° 5	15° 0	26° 2	16°32	26°15	2°26	2°35	21°35	14°41	16° 7	2°10	3° 5	T 20
F 21	4 0 51	28°50'15	14°23	20°51	14°36	26°44	16°46	26°11	2°30	2°37	21°34	14°42	16° 4	2°17	3°12	F 21
S 22	4 4 48	29°50'47	27°41	21°33	14°10	27°26	16°59	26° 7	2°34	2°39	21°33	14°R43	16° 1	2°24	3°20	S 22
S 23	4 8 45	0 ₹ 51'20	10 m /37	22° 8	13°43	28° 8	17°12	26° 3	2°37	2°40	21°32	14°42	15°57	2°30	3°28	S 23
M24	4 12 41	1°51'56	23°14	22°37	13°13	28°51	17°25	25°59	2°41	2°42	21°31	14°40	15°54	2°37	3°36	M24
T 25	4 16 38	2°52'33	5 ≏ 35	22°58	12°42	29°33	17°39	25°55	2°45	2°45	21°30	14°36	15°51	2°44	3°43	T 25
W26	4 20 34	3°53'12	17°45	23°11	12°10	0 ₮ 16	17°52	25°50	2°49	2°47	21°29	14°30	15°48	2°50	3°51	W26
T 27	4 24 31	4°53'52	29°47	23°R15	11°36	0°58	18° 5	25°46	2°52	2°49	21°28	14°22	15°45	2°57	3°59	T 27
F 28	4 28 27	5°54'34	11 M 42	23° 9	11° 2	1°41	18°19	25°41	2°56	2°51	21°27	14°15	15°42	3° 4	4° 7	F 28
S 29	4 32 24	6°55'17	23°34	22°54	10°26	2°23	18°32	25°37	3° 0	2°53	21°26	14° 7	15°38	3°10	4°14	S 29
S 30	4 36 20	7 ₹ 756'02	5 ₹ 24	22 × 127	9 ∡ 750	3 ₹ 6	18 ×7 46	25Ⅲ32	3 ∡ 3	2 ප් 55	21 Ⅱ 25	1495 1	15935	3 ∡ 17	4 ₹ 22	S 30

Day	0	J)	ζ	5	ç	2	С	7	2	4	ŧ)	ţ(4		Е	2	r	S	Ç	Ł	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
S 1	14 s24	12 s 1	4n25	21 s21	1 s55	28 s 1	5 s28	15 s34	0n 6	21 s50	0n27	21n57	1 s26	20 s15	0n 9	22 s 18	1n 6	13n57	9s14	22n28	22n19	16 s27	16 s 5 8	3n23
S 2	14 44	15 39	3 50	21 45	2 1	28 3	5 28	15 47	0 6	21 51	0 27	21 57	1 26	20 16	0 9	22 18	1 6	13 57	9 14	22 29	22 20	16 29	16 59	3 23
M 3	-	18 39	-	22 8	2 6	-	5 27			21 53		21 57		20 16		22 18		13 57		22 30				3 23
T 4	-	20 53		22 31	2 10			16 13		21 55		21 57		20 17		22 18		13 56		22 31				3 23
W 5	15 39	_		22 52	2 15	-	-	16 26		21 56		21 57		20 18		22 18				22 31				3 23
T 6 F 7		22 33 21 51		23 12 23 31	2 19 2 23		5 21	16 38 16 51		21 58 22 0		21 57 21 57		20 19 20 19		22 18 22 18		13 56 13 56		22 31 22 31				3 23 3 23
S 8	16 33	-		23 48		27 59	5 15			22 0		21 56		20 19		22 18		13 56		22 31				3 23
S 9	16 50	17 18	2 58	24 5	2 30	27 55	5 12	17 15		22 3		21 56	1 27	20 21		22 18		13 56		22 31				3 24
M10		13 35		24 20	2 33		-	17 27	0 1	22 5	0 26			20 21		22 18	1 6			22 31				3 24
T 11	17 24	9 3		24 34	2 36		-	17 39	0 0	22 6		21 56		20 22		22 18	1 6			22 32	-			3 24
W12	17 40	3 53	4 58	24 46	2 38	27 42	4 57	17 51	0s 0	22 8	0 26	21 56	1 27	20 23	0 9	22 18	1 6	13 55	9 15	22 32	22 24	16 49	17 13	3 24
T 13	17 56	1n39	5 6	24 57	2 39	27 35	4 52	18 2	0 1	22 9	0 26	21 56	1 27	20 24	0 9	22 18	1 6	13 55	9 15	22 33	22 24	16 51	17 14	3 24
F 14	18 12	7 16	4 54			27 28		18 14		22 11		21 56		20 24		22 18		13 55		22 34				3 24
S 15	18 27	12 32	4 22	25 15	2 41	27 20	4 38	18 25	0 2	22 12	0 25	21 56	1 27	20 25	0 9	22 18	1 6	13 55	9 15	22 35	22 25	16 55	17 17	3 24
S 16	18 42	17 3	3 30	25 22	2 40	27 11	4 31	18 36	0 3	22 14	0 25	21 56	1 27	20 26	0 9	22 18	1 6	13 55	9 16	22 36	22 25	16 57	17 18	3 25
M17	18 57	-		25 28	2 40		-	18 47		22 15		21 56		20 27		22 18				22 36				3 25
T 18	19 12	-	-	25 32	2 38			18 58		22 17		21 55		20 27		22 18	1 6			22 37			17 21	3 25
W19	19 26	_		25 34	2 36		4 4			22 18		21 55		20 28		22 18	1 6			22 37			17 22	3 25
T 20 F 21	19 40 19 53	_		25 35 25 34	2 32 2 28			19 19 19 30		22 20 22 21		21 55 21 55		20 29 20 30		22 18 22 18	1 6 1 6			22 37 22 37			17 24 17 25	3 25 3 26
S 22		15 34	-	25 32	2 23		-	19 40		22 21		21 55		20 30		22 18	1 6			22 36			17 26	3 26
S 23	20 19			25 27		25 45		19 50		22 24		21 55		20 31		22 18		13 54		22 37				3 26
M24	20 19	7 6	4 48		2 10		3 8			22 24		21 55		20 31		22 18	1 6			22 37	-			3 26
T 25	20 43	2 28	-	25 14			-	20 10		22 27		21 55		20 32		22 18		13 54		22 37				3 26
W26	20 55	2 s 1 2		25 4	1 50			20 20		22 28		21 55		20 33		22 18				22 38				3 27
T 27	21 6	6 43	4 59	24 53	1 38	24 36		20 29		22 29		21 54		20 34		22 18		13 54		22 39				3 27
F 28	21 16	10 58	4 35	24 40	1 25	24 17	2 13	20 38	0 10	22 30	0 24	21 54	1 27	20 35	0 9	22 18	1 5	13 54	9 16	22 39	22 30	17 20	17 34	3 27
S 29	21 27	14 46	4 0	24 24	1 11	23 57	1 59	20 47	0 10	22 32	0 24	21 54	1 27	20 35	0 9	22 18	1 5	13 54	9 16	22 40	22 30	17 21	17 35	3 27
S 30	21 s37	18s 0	3n14	24s 7	0s55	23 s37	1 s44	20 s56	0s11	22 s33	0n24	21n54	1 s27	20 s36	0n 9	22 s 18	1n 5	13n54	9s16	22n41	22n31	17 s23	17s36	3n27

Julian Day Number = 2506270.5, Delta T = 121.55 sec Ecliptic obliquity = $23^{\circ}25'09$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}50'02$, Lahiri = $25^{\circ}57'03$

DECEMBER 2149 00:00 UT

Day	Sid.t	0	D	ğ	Q	ð	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
M 1	4 40 17	8 √ 56'49	17 × 13	21°R49	9°R14	3 √ 49	18 ∡ 759	25°R28	3 √ 7	2 る 57	21°R23	13°R56	15932	3 ∡ 124	4 ₹ 30	M 1
T 2	4 44 14	9°57'36	29° 4	21 🗷 1	8 ₹ 38	4°31	19°13	25耳23	3°11	2°59	21 II 22	13953	15°29	3°30	4°38	T 2
W 3	4 48 10	10°58'25	10 る 58	20° 2	8° 1	5°14	19°26	25°18	3°14	3° 1	21°21	13°D52	15°26	3°37	4°46	W 3
T 4	4 52 7	11°59'14	22°59	18°55	7°26	5°57	19°40	25°13	3°18	3° 3	21°20	13°52	15°23	3°44	4°53	T 4
F 5	4 56 3	13° 0'05	5≈ 9	17°40	6°51	6°40	19°53	25° 9	3°22	3° 5	21°19	13°54	15°19	3°50	5° 1	F 5
S 6	5 0 0	14° 0'56	17°32	16°20	6°17	7°23	20° 7	25° 4	3°26	3° 8	21°18	13°55	15°16	3°57	5° 9	S 6
S 7	5 3 56	15° 1'49	0 ∺ 12	14°57	5°43	8° 6	20°20	24°59	3°29	3°10	21°17	13°57	15°13	4° 4	5°16	S 7
M 8	5 7 53	16° 2'42	13°12	13°35	5°12	8°49	20°34	24°54	3°33	3°12	21°15	13°R58	15°10	4°11	5°24	M 8
T 9	5 11 49	17° 3'36	26°36	12°15	4°42	9°32	20°47	24°49	3°36	3°14	21°14	13°57	15° 7	4°17	5°32	T 9
W10	5 15 46	18° 4'30	10 Υ 27	11° 1	4°13	10°15	21° 1	24°44	3°40	3°16	21°13	13°56	15° 3	4°24	5°39	W10
T 11	5 19 43	19° 5'25	24°43	9°55	3°47	10°58	21°15	24°40	3°44	3°19	21°12	13°53	15° 0	4°31	5°47	T 11
F 12	5 23 39	20° 6'21	9825	8°59	3°22	11°42	21°28	24°35	3°47	3°21	21°11	13°50	14°57	4°37	5°55	F 12
S 13	5 27 36	21° 7'18	24°25	8°12	3° 0	12°25	21°42	24°30	3°51	3°23	21°10	13°47	14°54	4°44	6° 2	S 13
S 14	5 31 32	22° 8'15	9∏36	7°37	2°40	13° 8	21°55	24°25	3°55	3°25	21° 8	13°44	14°51	4°51	6°10	S 14
M15	5 35 29	23° 9'14	24°49	7°14	2°22	13°51	22° 9	24°20	3°58	3°28	21° 7	13°42	14°48	4°57	6°17	M15
T 16	5 39 25	24°10'13	9953	7° 1	2° 7	14°35	22°23	24°15	4° 2	3°30	21° 6	13°D41	14°44	5° 4	6°25	T 16
W17	5 43 22	25°11'13	24°39	6°D59	1°54	15°18	22°36	24°10	4° 5	3°32	21° 5	13°41	14°41	5°11	6°32	W17
T 18	5 47 19	26°12'14	9Ω 3	7° 7	1°44	16° 2	22°50	24° 5	4° 9	3°34	21° 4	13°42	14°38	5°17	6°40	T 18
F 19	5 51 15	27°13'15	22°59	7°24	1°36	16°45	23° 4	24° 0	4°12	3°37	21° 3	13°44	14°35	5°24	6°47	F 19
S 20	5 55 12	28°14'18	6Mp27	7°49	1°30	17°29	23°17	23°55	4°16	3°39	21° 2	13°45	14°32	5°31	6°55	S 20
S 21	5 59 8	29°15'21	19°30	8°22	1°27	18°13	23°31	23°50	4°19	3°41	21° 0	13°46	14°29	5°37	7° 2	S 21
M22	6 3 5	0 궁 16'26	2 ≏ 11	9° 1	1°D27	18°56	23°44	23°45	4°23	3°43	20°59	13°R46	14°25	5°44	7° 9	M22
T 23	6 7 1	1°17'31	14°32	9°46	1°29	19°40	23°58	23°40	4°26	3°46	20°58	13°46	14°22	5°51	7°17	T 23
W24	6 10 58	2°18'37	26°39	10°37	1°34	20°24	24°11	23°35	4°29	3°48	20°57	13°45	14°19	5°57	7°24	W24
T 25	6 14 54	3°19'44	8 M .37	11°32	1°41	21° 8	24°25	23°30	4°33	3°50	20°56	13°43	14°16	6° 4	7°31	T 25
F 26	6 18 51	4°20'51	20°28	12°31	1°50	21°52	24°39	23°26	4°36	3°52	20°55	13°42	14°13	6°11	7°39	F 26
S 27	6 22 47	5°21'59	2 √ 17	13°34	2° 1	22°36	24°52	23°21	4°40	3°55	20°54	13°40	14° 9	6°17	7°46	S 27
S 28	6 26 44	6°23'08	14° 6	14°40	2°15	23°20	25° 6	23°16	4°43	3°57	20°52	13°39	14° 6	6°24	7°53	S 28
M29	6 30 41	7°24'17	25°58	15°48	2°30	24° 4	25°19	23°11	4°46	3°59	20°51	13°39	14° 3	6°31	8° 0	M29
T 30	6 34 37	8°25'26	7 조 56	16°59	2°48	24°48	25°33	23° 7	4°49	4° 1	20°50	13°D38	14° 0	6°37	8° 7	T 30
W31	6 38 34	9 පි 26'36	20중 0	18 × 13	3 ≯ 8	25 ₹ 32	25 ∡ 46	23 II 2	4 ₹ 53	4ਰ 4	20∏49	13938	13957	6 ₹ 144	8 才 14	W31

Day	0	D	ζ	5	φ	♂	2	+	ŧ	<u>ι</u>);	j (并		В	n	v	Ç	, k	
	decl	decl lat	decl	lat dec	l lat de	el lat	decl	lat	decl	lat	decl	lat	decl l	at	decl lat	decl	decl	decl	decl	lat
M 1 T 2	21 s46 21 55	22 5 1 20	23 s47 23 25	0 s 37 2 3 s 1 0 19 22 5	5 1 13 21	4 0 12	2 22 s34 2 22 35	0 24	21n54 21 54	1 26	20 s37 20 38	0 9	22 s18 22 18	1n 5	13 53 9 1	6 22n41	22 31		17 38	3n28 3 28
W 3 T 4 F 5	22 20	22 42 0 16 22 17 0 s 50 20 48 1 54	22 36 22 9	0n 1 22 3 0 21 22 1 0 42 21 5	3 0 42 21 3 2 0 26 21 3	0 0 13 8 0 14	22 36 3 22 38 4 22 39	0 23 0 23	21 54 21 54 21 54	1 26 1 26	20 38 20 39 20 40	0 9 0 9	22 18 22 18 22 18	1 5 1 5 1 5	13 53 9 1 13 53 9 1	6 22 42 6 22 42 6 22 42	22 32 22 32	17 31 17 33	17 41 17 42	3 28 3 28 3 29
S 6 S 7 M 8 T 9 W10 T 11	22 28 22 35 22 41 22 47 22 53 22 58	14 56 3 48 10 45 4 31 5 57 5 0 0 41 5 14	21 42 3 21 14 20 46 0 20 20 1 19 56 0 19 34	1 2 21 3 1 21 21 1 1 39 20 5 1 56 20 2 2 10 20 1 2 23 19 5	0 0n 5 21 3 0 0 20 22 9 0 35 22 0 0 49 22	3 0 15 1 0 16 8 0 16 5 0 17	5 22 40 5 22 41 5 22 42 6 22 43 7 22 44 8 22 45	0 23 0 23 0 23 0 23	21 53 21 53 21 53 21 53 21 53 21 53	1 26 1 26 1 26 1 26	20 40 20 41 20 42 20 43 20 43 20 44	0 9 0 9 0 9 0 9	22 18 22 18 22 18 22 18 22 18 22 17	1 5 1 5 1 5 1 5 1 5	13 53 9 1 13 53 9 1 13 53 9 1 13 53 9 1	6 22 42 6 22 41 6 22 41 6 22 41 6 22 41 6 22 42	22 33 22 33 22 34 22 34	17 37 17 38 17 40 17 42	17 44 17 45 17 46 17 47	3 29 3 29 3 29 3 30 3 30 3 30
F 12 S 13 S 14		10 7 4 44 14 59 3 59	19 16	2 32 19 3 2 40 19 1 2 46 18 5	5 1 31 22 3	8 0 18 4 0 19	3 22 46 22 47 22 48	0 23 0 23	21 53 21 53 21 52	1 26	20 45 20 45 20 46	0 9 0 9	22 17 22 17 22 17	1 5 1 5 1 5	13 53 9 1	6 22 42 6 22 42 6 22 43	22 35	17 46 17 48	17 49 17 50	3 31 3 31 3 31
M15 T16 W17 T18 F 19 S 20	23 15 23 17 23 20	21 37 1 42 22 42 0 21 22 10 1n 0 20 10 2 16 17 0 3 21	18 43 18 40 18 39 5 18 42	2 49 18 4 2 51 18 2 2 50 18 1 2 49 18 2 46 17 4	3 1 57 22 4 8 2 9 22 3 4 2 20 22 3 1 2 31 23 9 2 42 23	6 0 20 2 0 21 8 0 21 3 0 22 8 0 22	22 49	0 22 0 22 0 22 0 22 0 22	21 52 21 52	1 26 1 25 1 25 1 25 1 25		0 9 0 9 0 9 0 9 0 9	22 17 22 17 22 17 22 17 22 17 22 17 22 17 22 17	1 5 1 5 1 5 1 5 1 5	13 53 9 1 13 53 9 1 13 53 9 1 13 53 9 1 13 53 9 1	6 22 43 6 22 43 5 22 43 5 22 43 5 22 43 5 22 43	22 36 22 36 22 37 22 37 22 37	17 51 17 53 17 55 17 57 17 59	17 52 17 53 17 54 17 55	3 32 3 32 3 32 3 32 3 32 3 33 3 33
S 21 M22 T 23 W24 T 25 F 26 S 27	23 25 23 25 23 25 23 24 23 23 23 21 23 19	3 53 5 10 0s51 5 17 5 28 5 9 9 49 4 48 13 46 4 14	19 17	2 25 17 1 2 18 17 2 11 16 5 2 4 16 5	0 3 10 23 2 2 3 19 23 3 5 3 27 23 3 9 3 34 23 3 4 3 41 23 3	2 0 24 6 0 25 0 0 25 3 0 26 7 0 27	22 54 22 54 5 22 55 5 22 56 5 22 56 7 22 57 7 22 58	0 22 0 22 0 22 0 22 0 22		1 25 1 25 1 25 1 24 1 24	20 51 20 51 20 52 20 52 20 53 20 54 20 54	0 9 0 9 0 9 0 9 0 9	22 17 22 17 22 17 22 17 22 17 22 17 22 17 22 17	1 5 1 5 1 5 1 5 1 5	13 53 9 1 13 53 9 1 13 53 9 1 13 53 9 1 13 53 9 1	5 22 43 5 22 42 5 22 43 5 22 43 5 22 43 5 22 43 5 22 43	22 38 22 39 22 39 22 39 22 40	18 4 18 6 18 8 18 10 18 12	18 2	3 33 3 34 3 34 3 35 3 35 3 35 3 36
T 30	23 13	21 45 1 37 22 39 0 32	20 45 21 1 21 16 21 s31	1 48 16 4 1 40 16 4 1 31 16 4 1n23 16s4	4 3 59 23 4 2 4 4 23 4	5 0 28 8 0 29	3 22 58 3 22 59 9 22 59 9 23 s 0	0 21 0 21	21 51 21 51 21 51 21 51 21n51	1 24 1 24	20 55 20 56 20 56 20 s57	0 9 0 9	22 17 22 17 22 17 22 17 22 s16	1 5 1 5	13 53 9 1 13 53 9 1	5 22 43 5 22 43 4 22 43 4 22n43	22 41 22 41	18 17 18 19	18 4 18 5	3 36 3 36 3 37 3n37

Julian Day Number = 2506300.5, Delta T = 121.60 sec Ecliptic obliquity = $23^{\circ}25'08$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $26^{\circ}50'06$, Lahiri = $25^{\circ}57'07$