

Astrodienst Ephemeris Tables for the year 2220

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 2220 00:00 UT

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Day	Sid.t	0	D	ğ	·	ð	4	ħ)Å(,	Р	r	v	Ç	ķ	Day
S 1	6 38 46	9 ට 27'21	5 M 12	29중 2	24≈41	19≈42	27 M 37	21 M 33	2 ≏ 42	7°R55	5 ≏ 34	10°R27	10 ♀ 5	4 M .46	7 Υ 30	S 1
S 2	6 42 43	10°28'30	17° 2	29°45	25°49	20°29	27°48	21°38	2°43	7 Ⅱ 53	5°34	10 ≏ 23	10° 2	4°53	7°30	S 2
M 3	6 46 39	11°29'40	29° 0	0≈19	26°57	21°16	28° 0	21°44	2°43	7°52	5°35	10°16	9°59	4°59	7°31	M 3
T 4	6 50 36	12°30'49	11 ×7 9	0°45	28° 5	22° 3	28°11	21°49	2°43	7°51	5°35	10° 6	9°56	5° 6	7°32	T 4
W 5	6 54 33	13°31'59	23°32	1° 2	29°12	22°50	28°22	21°55	2°43	7°49	5°35	9°54	9°53	5°13	7°33	W 5
T 6	6 58 29	14°33'09	6 ਰ 10	1°R 7	0 ∺ 20	23°37	28°33	22° 0	2°44	7°48	5°35	9°40	9°49	5°19	7°34	T 6
F 7	7 2 26	15°34'20	19° 3	1° 2	1°27	24°24	28°44	22° 5	2°44	7°47	5°35	9°26	9°46	5°26	7°35	F 7
S 8	7 6 22	16°35'30	2≈ 9	0°44	2°34	25°11	28°55	22°10	2°R44	7°46	5°R35	9°13	9°43	5°33	7°36	S 8
S 9	7 10 19	17°36'40	15°28	0°15	3°41	25°58	29° 6	22°15	2°44	7°44	5°35	9° 2	9°40	5°39	7°37	S 9
M10	7 14 15	18°37'50	28°56	29 る 34	4°48	26°45	29°16	22°20	2°44	7°43	5°35	8°54	9°37	5°46	7°38	M10
T 11	7 18 12	19°39'00	12) (34	28°42	5°54	27°32	29°27	22°25	2°43	7°42	5°35	8°49	9°34	5°53	7°39	T 11
W12	7 22 8	20°40'09	26°20	27°41	7° 1	28°19	29°38	22°30	2°43	7°41	5°35	8°46	9°30	5°59	7°40	W12
T 13	7 26 5	21°41'18	10 Y 13	26°31	8° 6	29° 6	29°48	22°35	2°43	7°40	5°35	8°D46	9°27	6° 6	7°42	T 13
F 14	7 30 2	22°42'26	24°13	25°15	9°12	29°53	29°58	22°40	2°43	7°39	5°35	8°R46	9°24	6°13	7°43	F 14
S 15	7 33 58	23°43'34	8 8 20	23°56	10°18	0) €41	0 ∡ 7 9	22°45	2°42	7°38	5°34	8°45	9°21	6°19	7°45	S 15
S 16	7 37 55	24°44'41	22°33	22°36	11°23	1°28	0°19	22°49	2°42	7°37	5°34	8°43	9°18	6°26	7°46	S 16
M17	7 41 51	25°45'48	6 Ⅱ 51	21°18	12°28	2°15	0°29	22°54	2°41	7°35	5°34	8°37	9°14	6°33	7°48	M17
T 18	7 45 48	26°46'54	21° 8	20° 3	13°32	3° 2	0°39	22°58	2°41	7°34	5°34	8°29	9°11	6°39	7°49	T 18
W19	7 49 44	27°48'00	59522	18°55	14°36	3°49	0°49	23° 2	2°40	7°34	5°33	8°19	9° 8	6°46	7°51	W19
T 20	7 53 41	28°49'05	19°26	17°53	15°40	4°36	0°58	23° 7	2°40	7°33	5°33	8° 7	9° 5	6°53	7°52	T 20
F 21	7 57 38	29°50'09	3 Ω 16	17° 1	16°44	5°23	1° 8	23°11	2°39	7°32	5°32	7°55	9° 2	6°59	7°54	F 21
S 22	8 1 34	0≈51'13	16°46	16°17	17°47	6°10	1°18	23°15	2°38	7°31	5°32	7°45	8°59	7° 6	7°56	S 22
S 23	8 5 31	1°52'17	29°56	15°43	18°50	6°57	1°27	23°19	2°37	7°30	5°31	7°37	8°55	7°13	7°58	S 23
M24	8 9 27	2°53'20	12 m /44	15°19	19°53	7°44	1°36	23°23	2°36	7°29	5°31	7°31	8°52	7°19	8° 0	M24
T 25	8 13 24	3°54'23	25°12	15° 3	20°55	8°31	1°46	23°27	2°36	7°28	5°30	7°28	8°49	7°26	8° 2	T 25
W26	8 17 20	4°55'25	7 ≏ 23	14°D57	21°57	9°18	1°55	23°31	2°35	7°28	5°30	7°D27	8°46	7°33	8° 4	W26
T 27	8 21 17	5°56'27	19°22	14°59	22°58	10° 5	2° 4	23°34	2°34	7°27	5°29	7°28	8°43	7°39	8° 6	T 27
F 28	8 25 13	6°57'28	1 M .13	15° 8	23°59	10°52	2°13	23°38	2°32	7°26	5°29	7°29	8°39	7°46	8° 8	F 28
S 29	8 29 10	7°58'29	13° 1	15°25	25° 0	11°39	2°21	23°41	2°31	7°25	5°28	7°R29	8°36	7°53	8°10	S 29
S 30	8 33 6	8°59'29	24°53	15°48	26° 0	12°26	2°30	23°45	2°30	7°25	5°27	7°27	8°33	7°59	8°12	S 30
M31	8 37 3	10≈ 0'29	6 ₹ 53	16 ਰ 17	26 米 59	13 米 12	2 ₹ 39	23 M 48	2 ₽ 29	7 Ⅱ 24	5 ≏ 26	7 ≙ 23	8 亞 30	8 M 6	8 Ƴ 14	M31

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S 1	23 s 4	11 s15 2	2n 7	21 s17	0s58	14s56	1 s46	16s 0	1 s 1 0	18 s43	0n54	16s 2	2n10	0 s23	0n45	19n59	1 s38	12n41	16n14	4 s 8	3 s59	11s 4	5n17	2n31
S 2	23 0	14 1 3	3 1	20 55	0 45	14 31	1 43	15 44	1 9	18 46	0 54	16 3	2 10	0 23	0 45	19 59	1 38	12 41	16 14	4 6	3 58	11 5	5 17	2 30
M 3				20 34	0 31	14 5		15 29	1 9		0 54		2 10	0 23			1 38		16 15			11 7	5 17	2 30
T 4 W 5	22 49 22 43	-	-	20 13 19 54	0 16 0n 0	13 38 13 12		15 13 14 57	1 8		0 54 0 54		2 10 2 10	0 23 0 23			1 38 1 38		16 15 16 16		3 56 3 54	11 8 11 10	5 17 5 17	2 30 2 30
T 6	22 43		-	19 34	0118	-		14 41	1 7		0 54		2 10	0 23			1 38			3 50		11 10	5 17	2 30
F 7	22 30			19 19	0 36			14 25	1 7		0 54		2 11	0 23			1 38			3 44		11 13	5 17	2 29
S 8	22 23	15 9 4	1 37	19 5	0 55	11 50	1 23	14 9	1 6	19 0	0 55	16 11	2 11	0 23	0 46	19 58	1 38	12 44	16 18	3 39	3 51	11 14	5 18	2 29
S 9	22 15	12 19 4	1 2	18 52	1 14	11 22	1 19	13 52	1 5	19 3	0 55	16 12	2 11	0 23	0 46	19 58	1 38	12 44	16 18	3 34	3 49	11 15	5 18	2 29
M10	22 7			18 42	1 33	10 55	-	13 36	1 5		0 55		2 11	0 23	0 46	19 58	1 38			3 31	3 48	11 17	5 18	2 29
T 11	21 58			18 34	1 52	10 26		13 19	1 4				2 11	0 23			1 38			3 29	-	11 18	5 19	2 29
W12	21 49			18 28	2 10	9 58		13 2	1 4	19 9			2 11	0 23			1 38			3 28		11 20	5 19	2 28
T 13 F 14	21 40 21 30			18 25 18 24	2 27 2 42	9 30 9 1		12 45 12 28		19 11 19 13	0 55 0 55		2 12 2 12	0 23 0 22		19 57 19 57	1 38 1 38			3 28 3 28		11 21 11 23	5 19 5 20	2 28 2 28
S 15				18 25	2 55	8 32		12 11		19 16		16 18	2 12	0 22		19 57	1 38			3 28		11 24	5 20	2 28
S 16	21 9	15 0 3	3 30	18 27	3 6	8 3	0.50	11 54	1 1	19 18	0.55	16 19	2 12	0 22	0 46	19 57	1 38	12 48	16 22	3 27	3 41	11 25	5 20	2 28
M17				18 31	3 15	7 34		11 36		19 20	0 55		2 12	0 22	0 46		1 38			3 25		11 27	5 21	2 27
T 18	20 46	18 19 4	4 48	18 36	3 21	7 5	0 40	11 19	1 0	19 22	0 55	16 21	2 12	0 22	0 46	19 57	1 37	12 50	16 23	3 22	3 38	11 28	5 21	2 27
W19	20 34			18 42	3 24	6 35	0 35			19 24		16 22	2 13	0 21	0 46		1 37			3 17		11 30	5 22	2 27
T 20	20 22			18 49	3 25	6 6		10 44		19 26		16 23	2 13	0 21	0 46							11 31	5 22	2 27
F 21 S 22	20 10 19 56		33 56	18 57 19 6	3 24 3 21	5 36 5 7	0 25	10 26 10 8		19 27 19 29	0 55	16 24 16 25	2 13 2 13	0 21 0 20	0 46			12 51 12 52		3 8 3 4		11 33 11 34	5 23 5 23	2 27 2 26
S 23 M24	19 43			19 14	3 16	4 37	0 14	9 50		19 31		16 26	2 13	0 20		19 56		12 53		3 1		11 35	5 24	
T 25	19 29 19 15	-	-	19 23 19 32	3 10 3 2	4 8 3 38	0 8 0 2	9 32 9 14		19 33 19 35		16 26 16 27	2 13 2 14	0 20 0 19			1 37 1 37			2 59 2 58		11 37 11 38	5 24 5 25	2 26 2 26
W26	19 13	2s56 0	-	19 41	2 54	3 8	0n 4	8 56		19 36		16 28	2 14	0 19		19 56	1 37	-		2 57		11 40	5 25	2 26
T 27	18 46		-	19 50	2 45	2 38	0 10	8 37		19 38		16 29	2 14	0 18		19 56	1 37			2 57		11 41	5 26	2 26
F 28	18 31			19 59	2 35	2 9	0 16	8 19		19 40		16 29	2 14	0 18		19 56	1 37			2 58		11 42	5 27	2 25
S 29	18 15	12 53 2	2 59	20 7	2 25	1 39	0 22	8 1	0 53	19 42	0 56	16 30	2 14	0 17	0 46	19 56	1 37	12 57	16 29	2 58	3 24	11 44	5 27	2 25
S 30	17 59	15 18 3	3 46	20 15	2 15	1 9	0 28	7 42	0 53	19 43	0 56	16 31	2 14	0 17	0 47	19 56	1 37	12 58	16 29	2 57	3 23	11 45	5 28	2 25
M31	17 s43	17 s 5 4	1n24	$20\mathrm{s}22$	2n 4	0 s40	0n35	7 s24	0s52	19 s45	0n56	16s31	2n15	0s16	0n47	19n56	1 s37	12n58	16n30	2 s 5 6	3 s22	11 s47	5n29	2n25

Julian Day Number = 2531897.5, Delta T = 183.87 sec Ecliptic obliquity = 23°24′29, Nutation = $0^\circ00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^\circ48'53$, Lahiri = $26^\circ55'54$

FEBRUARY 2220 00:00 UT

Day	Sid.t	0	D	ğ	·	ď	4	ħ)Å(并	Р	n	Ω	Ç	ę,	Day
T 1	8 41 0	11≈ 1'29	19 ∡ 6	16 ට 52	27) 59	13 米 59	2 , 747	23 M .51	2°R28	7°R24	5°R26	7°R17	8 ≏ 27	8 M .13	8 Υ 16	T 1
W 2	8 44 56	12° 2'27	1 궁 35	17°32	28°57	14°46	2°55	23°55	2 ₽ 26	7 Ⅱ 23	5 Ω 25	7 요 9	8°24	8°19	8°18	W 2
T 3	8 48 53	13° 3'25	14°23	18°16	29°56	15°33	3° 3	23°58	2°25	7°23	5°24	6°59	8°20	8°26	8°21	T 3
F 4	8 52 49	14° 4'22	27°31	19° 5	0 Υ 53	16°20	3°11	24° 1	2°24	7°22	5°23	6°49	8°17	8°33	8°23	F 4
S 5	8 56 46	15° 5'19	10≈57	19°57	1°51	17° 7	3°19	24° 3	2°22	7°22	5°22	6°40	8°14	8°39	8°26	S 5
S 6	9 0 42	16° 6'14	24°40	20°52	2°47	17°54	3°27	24° 6	2°21	7°21	5°21	6°32	8°11	8°46	8°28	S 6
M 7	9 4 39	17° 7'08	8 ₩35	21°51	3°43	18°40	3°35	24° 9	2°19	7°21	5°21	6°27	8° 8	8°53	8°30	M 7
T 8	9 8 3 5	18° 8'01	22°39	22°52	4°39	19°27	3°42	24°11	2°18	7°21	5°20	6°24	8° 5	8°59	8°33	T 8
W 9	9 12 32	19° 8'52	6 Ƴ 49	23°56	5°34	20°14	3°49	24°14	2°16	7°20	5°19	6°D23	8° 1	9° 6	8°36	W 9
T 10	9 16 29	20° 9'42	21° 0	25° 2	6°28	21° 1	3°57	24°16	2°14	7°20	5°18	6°23	7°58	9°13	8°38	T 10
F 11	9 20 25	21°10'31	5 8 11	26°11	7°21	21°47	4° 4	24°19	2°12	7°20	5°16	6°25	7°55	9°19	8°41	F 11
S 12	9 24 22	22°11'18	19°20	27°21	8°14	22°34	4°11	24°21	2°11	7°20	5°15	6°R25	7°52	9°26	8°43	S 12
S 13	9 28 18	23°12'04	3П26	28°33	9° 6	23°21	4°17	24°23	2° 9	7°19	5°14	6°25	7°49	9°33	8°46	S 13
M14	9 32 15	24°12'48	17°26	29°47	9°58	24° 7	4°24	24°25	2° 7	7°19	5°13	6°23	7°45	9°39	8°49	M14
T 15	9 36 11	25°13'31	19520	1≈ 3	10°48	24°54	4°30	24°27	2° 5	7°19	5°12	6°19	7°42	9°46	8°52	T 15
W16	9 40 8	26°14'12	15° 6	2°20	11°38	25°41	4°37	24°29	2° 3	7°19	5°11	6°13	7°39	9°53	8°54	W16
T 17	9 44 4	27°14'52	28°42	3°39	12°27	26°27	4°43	24°30	2° 1	7°D19	5°10	6° 6	7°36	9°59	8°57	T 17
F 18	9 48 1	28°15'30	12 N 4	4°59	13°15	27°14	4°49	24°32	1°59	7°19	5° 9	5°59	7°33	10° 6	9° 0	F 18
S 19	9 51 58	29°16'06	25°13	6°20	14° 2	28° 0	4°55	24°33	1°57	7°19	5° 7	5°53	7°30	10°13	9° 3	S 19
S 20	9 55 54	0) 16'41	8 m) 5	7°42	14°48	28°47	5° 0	24°35	1°55	7°19	5° 6	5°49	7°26	10°19	9° 6	S 20
M21	9 59 51	1°17'14	20°42	9° 6	15°33	29°33	5° 6	24°36	1°53	7°19	5° 5	5°46	7°23	10°26	9° 9	M21
T 22	10 3 47	2°17'46	3 ₾ 3	10°31	16°17	0 Υ 19	5°11	24°37	1°51	7°19	5° 3	5°D45	7°20	10°33	9°12	T 22
W23	10 7 44	3°18'17	15°11	11°57	17° 0	1° 6	5°17	24°38	1°49	7°20	5° 2	5°45	7°17	10°39	9°15	W23
T 24	10 11 40	4°18'47	27° 9	13°24	17°42	1°52	5°22	24°39	1°47	7°20	5° 1	5°47	7°14	10°46	9°18	T 24
F 25	10 15 37	5°19'15	9 M 1	14°52	18°23	2°38	5°27	24°40	1°44	7°20	4°59	5°48	7°11	10°53	9°21	F 25
S 26	10 19 33	6°19'41	20°50	16°21	19° 3	3°25	5°31	24°41	1°42	7°20	4°58	5°50	7° 7	10°59	9°24	S 26
S 27	10 23 30	7°20'07	2 ₹ 42	17°51	19°41	4°11	5°36	24°42	1°40	7°21	4°57	5°R51	7° 4	11° 6	9°27	S 27
M28	10 27 27	8°20'31	14°42	19°23	20°18	4°57	5°40	24°42	1°38	7°21	4°55	5°51	7° 1	11°13	9°31	M28
T 29	10 31 23	9 ∺ 20'54	26 ₹ 54	20≈55	20 Υ 54	5 Ƴ 43	5 ₹ 45	24M43	1 ≏ 35	7 Ⅱ 21	4 ≏ 54	5 ≙ 50	6 ≏ 58	11 M .19	9 Ƴ 34	T 29

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T 1	17 s26	18 s 8 4r	n51 2	20 s28	1n53	0s10	0n42	7s 5	0s51	19 s46	0n56	16s32	2n15	0s16	0n47	19n56	1 s37	12n59	16n30	2 s53	3 s21	11 s48	5n29	2n25
W 2	17 10	18 20 5	4 2	20 34	1 43	0n19	0 48	6 46	0 51	19 48	0 56	16 33	2 15	0 15	0 47	19 55	1 37	13 0	16 31	2 50	3 19	11 49	5 30	2 24
T 3	16 52	17 36 5	3 2	20 39	1 32	0 49	0 55	6 28		19 49	0 56	16 33	2 15	0 15	0 47	19 55	1 37	-	16 31	2 46		11 51	5 31	2 24
F 4	16 35	15 57 4	46 2	20 43	1 21	1 18	1 2	6 9	0 49	19 51	0 56	16 34	2 15	0 14	0 47	19 55	1 37		16 32	2 42	3 17	11 52	5 32	2 24
S 5	16 17	13 24 4	13 2	20 46	1 10	1 47	1 9	5 50	0 49	19 52	0 56	16 34	2 16	0 14	0 47	19 55	1 37	13 2	16 32	2 39	3 16	11 54	5 33	2 24
S 6	15 59	10 3 3	25 2	20 48	1 0	2 17	1 16	5 31	0 48	19 53	0 57	16 35	2 16	0 13	0 47	19 55	1 36	13 3	16 33	2 36	3 14	11 55	5 33	2 24
M 7	15 41	6 7 2	24 2	20 49	0 50	2 46	1 24	5 12	0 47	19 55	0 57	16 35	2 16	0 12	0 47	19 55	1 36	13 4	16 33	2 33	3 13	11 56	5 34	2 24
T 8	15 23	1 47 1	13 2	20 49	0 40	3 14	1 31	4 53	0 47	19 56	0 57	16 36	2 16	0 12	0 47	19 55	1 36	13 5	16 34	2 32	3 12	11 58	5 35	2 23
W 9	15 4	-	s 2 2		0 30	3 43	1 39	4 34	0 46	19 57	0 57	16 36	2 16	0 11	0 47	19 55	1 36	13 5	16 34	2 32	3 11	11 59	5 36	2 23
T 10	14 45			20 46	0 20	4 11	1 46	4 15	0 45	19 59		16 36	2 17	0 10	0 47	19 55	1 36		16 35		3 9		5 37	2 23
F 11	-			20 43	0 10	4 40	1 54	3 56		20 0		16 37	2 17	0 10		19 55	1 36		16 35		3 8		5 38	2 23
S 12	14 6	14 9 3	31 2	20 39	0 1	5 8	2 2	3 37	0 44	20 1	0 57	16 37	2 17	0 9	0 47	19 55	1 36	13 8	16 35	2 33	3 7	12 3	5 39	2 23
S 13	13 46	16 33 4	20 2	20 33	0s 8	5 36	2 10	3 18	0 43	20 2	0 57	16 37	2 17	0 8	0 47	19 56	1 36	13 9	16 36	2 33	3 6	12 5	5 39	2 23
M14	13 26	17 57 4	53 2	20 26	0 16	6 3	2 18	2 59	0 43	20 3	0 57	16 38	2 17	0 7	0 47	19 56	1 36	13 9	16 36	-	3 4	12 6	5 40	2 22
T 15	13 6	18 15 5	9 2	20 18	0 25	6 31	2 26	2 40	0 42	20 4	0 57	16 38	2 18	0 7	0 47	19 56	1 36	13 10	16 37	2 30	3 3	12 7	5 41	2 22
W16	12 45	17 29 5	6 2	20 9	0 33	6 58	2 34	2 21	0 41	20 5	0 58	16 38	2 18	0 6	0 47	19 56	1 36	13 11	16 37	2 28	3 2	-	5 42	2 22
T 17	12 25	15 43 4	46 1	19 59	0 41	7 25	2 43	2 2	0 41	20 6	0 58	16 38	2 18	0 5	0 47	19 56	1 36	13 12	16 38	2 25	3 1	12 10	5 43	2 22
F 18	12 4	13 8 4	11 1	19 47	0 48	7 51	2 51	1 43	0 40	20 7	0 58	16 39	2 18	0 4	0 47	19 56	1 36	13 13	16 38	2 23	2 59	12 11	5 44	2 22
S 19	11 43	9 55 3	23 1	19 34	0 56	8 17	3 0	1 24	0 39	20 8	0 58	16 39	2 18	0 3	0 47	19 56	1 36	13 14	16 38	2 20	2 58	12 13	5 45	2 22
S 20	11 22	6 17 2	25 1	19 20	1 3	8 43	3 8	1 5	0 39	20 9	0 58	16 39	2 19	0 3	0 47	19 56	1 36	13 14	16 39	2 18	2 57	12 14	5 46	2 22
M21	11 0	2 26 1	21 1	19 4	1 9	9 9	3 17	0 46	0 38	20 10	0 58	16 39	2 19	0 2	0 47	19 56	1 36	13 15	16 39	2 17	2 56	12 16	5 47	2 21
T 22	10 39	1 s26 0	15 1	18 48	1 16	9 34	3 26	0 26	0 37	20 11	0 58	16 39	2 19	0 1	0 47	19 56	1 35	13 16	16 39	2 17	2 54	12 17	5 48	2 21
W23	10 17	5 11 Or	n52 1	18 30	1 22	9 58	3 35	0 7	0 37	20 12	0 58	16 39	2 19	0n 0	0 47	19 56	1 35	13 17	16 40	2 17	2 53	12 18	5 49	2 21
T 24	9 55	8 40 1	55 1	18 11	1 28	10 23	3 44	0n12	0 36	20 13	0 58	16 39	2 20	0 1	0 47	19 56	1 35	13 18	16 40	2 17	2 52	12 20	5 51	2 21
F 25	9 33	11 45 2	52 1	17 50	1 33	10 47	3 52	0 31	0 35	20 13	0 58	16 39	2 20	0 2	0 47	19 56	1 35	13 18	16 40	2 18	2 51	12 21	5 52	2 21
S 26	9 11	14 21 3	43 1	17 29	1 38	11 10	4 2	0 50	0 34	20 14	0 59	16 39	2 20	0 3	0 47	19 56	1 35	13 19	16 41	2 19	2 49	12 22	5 53	2 21
S 27	8 48	16 22 4	23 1	17 6	1 43	11 33	4 11	1 9	0 34	20 15	0 59	16 39	2 20	0 4	0 47	19 57	1 35	13 20	16 41	2 19	2 48	12 24	5 54	2 21
M28	8 26	17 40 4	53 1	16 41	1 47	11 56	4 20	1 28	0 33	20 16	0 59	16 39	2 20	0 5	0 47	19 57	1 35	13 21	16 41	2 19	2 47	12 25	5 55	2 20
T 29	8s 3	18 s12 5r	n11 1	16s16	1 s 5 1	12n18	4n29	1n46	0 s32	20s16	0n59	16s39	2n21	0n 6	0n47	19n57	1 s35	13n22	16n42	2 s 1 9	2 s46	12 s26	5n56	2n20

Julian Day Number = 2531928.5, Delta T = 183.96 sec Ecliptic obliquity = $23^{\circ}24'29$, Nutation = $0^{\circ}00'04$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}48'58$, Lahiri = $26^{\circ}55'58$

MARCH 2220 00:00 UT

Day	Sid.t	0	D	ğ	φ	ď	4	ħ)Å(并	Р	n	Ω	Ç	ķ	Day
W 1	10 35 20	10 米 21'15	9 ට 24	22≈28	21 Y 28	6 Υ 29	5 √ 49	24M43	1°R33	7∏22	4°R52	5°R47	6 ₽ 55	11 M 26	9 Υ 37	W 1
T 2	10 39 16	11°21'35	22°14	24° 3	22° 1	7°15	5°53	24°43	1 ≏ 30	7°22	4 ₽ 51	5 Ω 44	6°51	11°33	9°40	T 2
F 3	10 43 13	12°21'53	5≈27	25°38	22°33	8° 2	5°56	24°44	1°28	7°23	4°49	5°40	6°48	11°39	9°43	F 3
S 4	10 47 9	13°22'10	19° 3	27°14	23° 3	8°48	6° 0	24°R44	1°26	7°23	4°48	5°37	6°45	11°46	9°47	S 4
S 5	10 51 6	14°22'25	3 ∺ 2	28°52	23°31	9°34	6° 3	24°44	1°23	7°24	4°46	5°34	6°42	11°53	9°50	S 5
M 6	10 55 2	15°22'39	17°19	0 ∺ 30	23°58	10°19	6° 6	24°43	1°21	7°24	4°45	5°32	6°39	11°59	9°53	M 6
T 7	10 58 59	16°22'51	1 Ƴ 49	2° 9	24°23	11° 5	6° 9	24°43	1°18	7°25	4°43	5°D31	6°36	12° 6	9°57	T 7
W 8	11 2 56	17°23'00	16°27	3°50	24°46	11°51	6°12	24°43	1°16	7°26	4°42	5°31	6°32	12°13	10° 0	W 8
T 9	11 6 52	18°23'08	1 8 6	5°31	25° 7	12°37	6°15	24°42	1°13	7°26	4°40	5°32	6°29	12°19	10° 3	T 9
F 10	11 10 49	19°23'14	15°40	7°14	25°26	13°23	6°17	24°42	1°11	7°27	4°39	5°34	6°26	12°26	10° 7	F 10
S 11	11 14 45	20°23'18	0 Π 4	8°58	25°44	14° 9	6°20	24°41	1°8	7°28	4°37	5°35	6°23	12°33	10°10	S 11
S 12	11 18 42	21°23'19	14°16	10°43	25°59	14°54	6°22	24°40	1° 6	7°29	4°36	5°35	6°20	12°39	10°14	S 12
M13	11 22 38	22°23'18	28°14	12°28	26°12	15°40	6°24	24°40	1° 3	7°30	4°34	5°R35	6°17	12°46	10°17	M13
T 14	11 26 35	23°23'16	119556	14°16	26°23	16°26	6°25	24°39	1° 0	7°30	4°32	5°35	6°13	12°53	10°21	T 14
W15	11 30 31	24°23'11	25°24	16° 4	26°32	17°11	6°27	24°38	0°58	7°31	4°31	5°34	6°10	12°59	10°24	W15
T 16	11 34 28	25°23'03	8 Ω 36	17°53	26°38	17°57	6°28	24°36	0°55	7°32	4°29	5°32	6° 7	13° 6	10°28	T 16
F 17	11 38 24	26°22'54	21°34	19°44	26°42	18°42	6°29	24°35	0°53	7°33	4°27	5°31	6° 4	13°13	10°31	F 17
S 18	11 42 21	27°22'43	4 Mp 19	21°35	26°R44	19°28	6°30	24°34	0°50	7°34	4°26	5°30	6° 1	13°19	10°35	S 18
S 19	11 46 18	28°22'29	16°51	23°28	26°43	20°13	6°31	24°32	0°47	7°35	4°24	5°29	5°57	13°26	10°38	S 19
M20	11 50 14	29°22'13	29°12	25°22	26°40	20°58	6°32	24°31	0°45	7°36	4°23	5°29	5°54	13°33	10°42	M20
T 21	11 54 11	0 Υ 21'56	11 ≏ 22	27°17	26°34	21°44	6°32	24°29	0°42	7°37	4°21	5°D29	5°51	13°39	10°45	T 21
W22	11 58 7	1°21'36	23°23	29°13	26°26	22°29	6°33	24°27	0°40	7°38	4°19	5°29	5°48	13°46	10°49	W22
T 23	12 2 4	2°21'15	5 M .18	1 Υ 11	26°15	23°14	6°R33	24°26	0°37	7°39	4°18	5°29	5°45	13°53	10°52	T 23
F 24	12 6 0	3°20'52	17° 8	3° 9	26° 2	23°59	6°32	24°24	0°34	7°41	4°16	5°30	5°42	13°59	10°56	F 24
S 25	12 9 57	4°20'27	28°58	5° 8	25°46	24°45	6°32	24°22	0°32	7°42	4°14	5°30	5°38	14° 6	10°59	S 25
S 26	12 13 53	5°20'00	10 ∡ 51	7° 8	25°28	25°30	6°32	24°20	0°29	7°43	4°13	5°R30	5°35	14°13	11° 3	S 26
M27	12 17 50	6°19'31	22°50	9° 9	25° 8	26°15	6°31	24°17	0°27	7°44	4°11	5°30	5°32	14°19	11° 6	M27
T 28	12 21 47	7°19'01	5중 0	11°10	24°45	27° 0	6°30	24°15	0°24	7°46	4° 9	5°D30	5°29	14°26	11°10	T 28
W29	12 25 43	8°18'29	17°26	13°12	24°20	27°45	6°29	24°13	0°21	7°47	4° 8	5°30	5°26	14°33	11°14	W29
T 30	12 29 40	9°17'55	0≈13	15°14	23°53	28°30	6°28	24°10	0°19	7°48	4° 6	5°30	5°22	14°39	11°17	T 30
F 31	12 33 36	10 Y 17'20	13≈22	17 Y 15	23 Y 24	29 Υ 14	6 ₹ 126	24M 8	0 ჲ 16	7 Ⅱ 50	4 º 4	5 ₾ 30	5 ≏ 19	14 M .46	11 Y 21	F 31

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W 1 T 2 F 3	7 s41 7 18 6 55	16 37 5 2 14 28 4 33	15 21 1 14 52 2	1 58 13 0 2 1 13 21	4n38 2n 5 4 47 2 24 4 57 2 43	0 31 0 30	20 18	0n59 0 59 0 59	16 39 16 39	2n21 2 21 2 21	0n 7 0 7 0 8		19n57 1 s3 19 57 1 3 19 57 1 3	5 13 23 16 42 5 13 24 16 42	2 16 2 2 15	2 43 2 42	12 30	5n57 2n20 5 58 2 20 6 0 2 20
S 4 S 5 M 6 T 7 W 8	6 32 6 9 5 45 5 22 4 59	3 29 1 39	13 50 2 13 17 2 12 42 2	2 6 14 0 2 8 14 18 2 9 14 36	5 6 3 2 5 15 3 20 5 24 3 39 5 34 3 58 5 43 4 16	0 29 0 28 0 27	20 18 20 19 20 19 20 20 20 20	0 59 0 59 1 0 1 0	16 38 16 38 16 38	2 21 2 22 2 22 2 22 2 22	0 9 0 10 0 11 0 12 0 13	0 47 0 47 0 47	19 57 1 3 19 57 1 3 19 58 1 3 19 58 1 3 19 58 1 3	5 13 26 16 43 5 13 27 16 43 5 13 27 16 43	3 2 12 3 2 12 3 2 11	2 41 2 39 2 38 2 37 2 36	12 34 12 36	6 1 2 20 6 2 2 20 6 3 2 20 6 4 2 20 6 6 2 19
W 8 T 9 F 10 S 11	4 35 4 12	9 42 2 17 13 15 3 24	11 30 2 10 52 2 10 13 2	2 11 15 10 2 11 15 25 2 11 15 40	5 52 4 35 6 1 4 53 6 10 5 11 6 19 5 30	0 26 0 25 0 25	20 20 20 20 20 21 20 21 20 21	1 0 1 0 1 0 1 0	16 37 16 37 16 36	2 22 2 22 2 23 2 23 2 23	0 13 0 14 0 15 0 16	0 47 0 47 0 47	19 58 1 3 19 58 1 3	5 13 29 16 44 4 13 30 16 44 4 13 31 16 44	2 12 2 12 2 13	2 34 2 33 2 32 2 31	12 38 12 40	6 6 2 19 6 7 2 19 6 8 2 19 6 9 2 19 6 11 2 19
M13 T 14 W15 T 16 F 17	3 1 2 37 2 14 1 50 1 26	18 10 5 14 17 39 5 15 16 9 4 58 13 48 4 26 10 49 3 40	8 51 2 8 9 2 7 25 2 6 40 2 5 54 1	2 9 16 7 2 7 16 19 2 5 16 29 2 2 16 39 1 59 16 48	6 27 5 48 6 36 6 6 6 44 6 24 6 52 6 42 7 0 7 0	0 23 0 23 0 22 0 21 0 20	20 22 20 22 20 22 20 22 20 22 20 22	1 0 1 0 1 0 1 1 1 1	16 36 16 35 16 35 16 34 16 34	2 23 2 23 2 24 2 24 2 24	0 18 0 20 0 21 0 22 0 23	0 47 0 47 0 47 0 47 0 47	19 59 1 3 19 59 1 3 19 59 1 3 19 59 1 3 20 0 1 3	4 13 32 16 43 4 13 33 16 43 4 13 34 16 43 4 13 35 16 43 4 13 35 16 43	5 2 13 5 2 13 5 2 12 5 2 12 5 2 11	2 29 2 28 2 27 2 26 2 24	12 44 12 45 12 46 12 48 12 49	6 12 2 19 6 13 2 19 6 14 2 19 6 16 2 19 6 17 2 18
S 18 S 19 M20 T 21 W22 T 23 F 24 S 25	1 2 0 39 0 15 0n 9 0 32 0 56 1 20 1 43	7 21 2 45 3 37 1 42 0s13 0 35 3 59 0n33 7 33 1 38 10 47 2 38 13 33 3 31 15 45 4 16	4 18 1 3 28 1 2 38 1 1 47 1 0 54 1 0 1 1	1 52 17 2 1 47 17 8 1 42 17 12 1 36 17 14 1 30 17 15 1 23 17 15	7 8 7 18 7 15 7 36 7 22 7 53 7 28 8 11 7 35 8 29 7 40 8 46 7 45 9 3 7 50 9 20	0 19 0 18 0 18 0 17 0 16 0 16	20 22 20 22 20 22 20 22 20 22 20 22 20 22 20 22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	16 33 16 32 16 32 16 31 16 30 16 30 16 29	2 24 2 24 2 25 2 25 2 25 2 25 2 25 2 25	0 24 0 25 0 26 0 27 0 28 0 29 0 30 0 31	0 47 0 47 0 47 0 47 0 47	20 0 1 3 20 0 1 3 20 0 1 3 20 1 1 3	4 13 37 16 43 4 13 37 16 43 4 13 38 16 40 4 13 39 16 40 4 13 40 16 40 4 13 40 16 40	5 2 11 5 2 10 6 2 10 6 2 11 6 2 11 6 2 11	2 22 2 21 2 19 2 18 2 17 2 15	12 54 12 55 12 57	6 18 2 18 6 19 2 18 6 21 2 18 6 22 2 18 6 23 2 18 6 25 2 18 6 26 2 18 6 27 2 18
S 26 M27 T 28 W29 T 30 F 31	2 7 2 31 2 54 3 17 3 41 4n 4		2 43 0 3 38 0 4 34 0 5 30 0	0 59 17 6 0 50 17 0 0 41 16 52 0 31 16 43	7 54 9 38 7 57 9 55 8 0 10 11 8 2 10 28 8 3 10 45 8n 3 11n 1	0 14 0 13 0 12 0 11	20 22 20 21 20 21 20 21 20 20 20 s20	1 2 1 2 1 2 1 2 1 2 1 2	16 28 16 27 16 26 16 26	2 25 2 26 2 26 2 26 2 26 2 26 2 n26	0 32 0 33 0 34 0 35 0 36 0n37	0 47 0 47 0 47 0 47	20 2 1 3 20 3 1 3 20n 3 1 s3	4 13 42 16 46 4 13 43 16 46 3 13 44 16 46 3 13 44 16 46	5 2 11 5 2 11 5 2 11 5 2 11	2 13 2 12 2 10 2 9 2 8 2s 7	13 2 13 3	6 29 2 18 6 30 2 18 6 31 2 18 6 33 2 17 6 34 2 17 6n35 2n17

Julian Day Number = 2531957.5, Delta T = 184.05 sec Ecliptic obliquity = $23^{\circ}24'29$, Nutation = $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}49'02$, Lahiri = $26^{\circ}56'02$

APRIL 2220 00:00 UT

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Day	Sid.t	0)	ğ	φ	ď	4	ħ)∤(¥	В	n	v	Ç	ķ	Day
S 1	12 37 33	11 Y 16'42	26≈57	19 Y 17	22°R53	29 Y 59	6°R25	24°R 5	0°R14	7 Ⅱ 51	4°R 3	5 ₾ 31	5 ₽ 16	14 M 53	11 Y 24	S 1
S 2	12 41 29	12°16'03	10 ¥ 59	21°18	22 Y 21	0 8 44	6 ₹ 123	24M 2	0 ჲ 11	7°52	4 ♀ 1	5°32	5°13	14°59	11°28	S 2
M 3	12 45 26	13°15'22	25°24	23°18	21°47	1°29	6°21	24° 0	0° 9	7°54	4° 0	5°32	5°10	15° 6	11°32	M 3
T 4	12 49 22	14°14'39	10 Υ 10	25°17	21°12	2°13	6°19	23°57	0° 6	7°55	3°58	5°R32	5° 7	15°13	11°35	T 4
W 5	12 53 19	15°13'54	25° 8	27°15	20°36	2°58	6°16	23°54	0° 4	7°57	3°56	5°32	5° 3	15°19	11°39	W 5
T 6	12 57 16	16°13'07	10811	29°10	19°59	3°43	6°14	23°51	0° 1	7°58	3°55	5°31	5° 0	15°26	11°42	T 6
F 7	13 1 12	17°12'18	25°10	18 3	19°22	4°27	6°11	23°48	29 m 59	8° 0	3°53	5°29	4°57	15°33	11°46	F 7
S 8	13 5 9	18°11'27	9 Ⅱ 57	2°53	18°44	5°12	6° 8	23°44	29°56	8° 1	3°52	5°28	4°54	15°39	11°49	S 8
S 9	13 9 5	19°10'33	24°25	4°41	18° 7	5°56	6° 5	23°41	29°54	8° 3	3°50	5°27	4°51	15°46	11°53	S 9
M10	13 13 2	20° 9'37	8932	6°24	17°29	6°41	6° 2	23°38	29°51	8° 5	3°48	5°26	4°48	15°53	11°57	M10
T 11	13 16 58	21° 8'39	22°15	8° 4	16°52	7°25	5°58	23°34	29°49	8° 6	3°47	5°D25	4°44	16° 0	12° 0	T 11
W12	13 20 55	22° 7'38	5 Ω 36	9°40	16°15	8° 9	5°55	23°31	29°47	8° 8	3°45	5°26	4°41	16° 6	12° 4	W12
T 13	13 24 51	23° 6'35	18°36	11°11	15°40	8°53	5°51	23°27	29°44	8°10	3°44	5°27	4°38	16°13	12° 7	T 13
F 14	13 28 48	24° 5'30	1 m 19	12°37	15° 5	9°38	5°47	23°24	29°42	8°11	3°42	5°28	4°35	16°20	12°11	F 14
S 15	13 32 44	25° 4'22	13°46	13°59	14°32	10°22	5°43	23°20	29°40	8°13	3°41	5°30	4°32	16°26	12°14	S 15
S 16	13 36 41	26° 3'13	26° 2	15°15	14° 1	11° 6	5°39	23°17	29°37	8°15	3°39	5°31	4°28	16°33	12°18	S 16
M17	13 40 38	27° 2'01	8 亚 8	16°26	13°31	11°50	5°34	23°13	29°35	8°17	3°38	5°R31	4°25	16°40	12°21	M17
T 18	13 44 34	28° 0'47	20° 7	17°32	13° 3	12°34	5°30	23° 9	29°33	8°18	3°36	5°30	4°22	16°46	12°25	T 18
W19	13 48 31	28°59'31	2 m 1	18°31	12°37	13°18	5°25	23° 5	29°31	8°20	3°35	5°28	4°19	16°53	12°28	W19
T 20	13 52 27	29°58'14	13°52	19°25	12°13	14° 2	5°20	23° 1	29°29	8°22	3°33	5°25	4°16	17° 0	12°32	T 20
F 21	13 56 24	0 8 56'54	25°43	20°14	11°52	14°45	5°15	22°57	29°26	8°24	3°32	5°21	4°13	17° 6	12°35	F 21
S 22	14 0 20	1°55'33	7 . ₹34	20°56	11°33	15°29	5°10	22°53	29°24	8°26	3°31	5°17	4° 9	17°13	12°39	S 22
S 23	14 4 17	2°54'09	19°29	21°32	11°16	16°13	5° 5	22°49	29°22	8°28	3°29	5°12	4° 6	17°20	12°42	S 23
M24	14 8 13	3°52'45	1 궁 30	22° 2	11° 1	16°57	4°59	22°45	29°20	8°30	3°28	5° 8	4° 3	17°26	12°45	M24
T 25	14 12 10	4°51'18	13°41	22°27	10°49	17°40	4°54	22°41	29°18	8°31	3°26	5° 5	4° 0	17°33	12°49	T 25
W26	14 16 7	5°49'50	26° 5	22°45	10°40	18°24	4°48	22°37	29°16	8°33	3°25	5° 3	3°57	17°40	12°52	W26
T 27	14 20 3	6°48'20	8 ≈ 47	22°57	10°33	19° 7	4°42	22°32	29°14	8°35	3°24	5°D 3	3°53	17°46	12°55	T 27
F 28	14 24 0	7°46'49	21°50	23° 3	10°28	19°51	4°36	22°28	29°13	8°37	3°22	5° 3	3°50	17°53	12°59	F 28
S 29	14 27 56	8°45'15	5) 17	23°R 4	10°D26	20°34	4°30	22°24	29°11	8°39	3°21	5° 5	3°47	18° 0	13° 2	S 29
S 30	14 31 53	9843'41	19 米 11	22 8 59	10 Y 26	21818	4 ₹ 24	22 M 20	29M) 9	8 Ⅱ 41	3 ₾ 20	5 ₾ 6	3 ₾ 44	18 M 6	13 Y 5	S 30

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	decl	decl la	at	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl l	lat	decl	decl	decl	decl	lat
S 1	4n27	9 s24	3n18	7n23	0s10	16n21	8n 3	11n18	0s10	20 s20	1n 2	16 s24	2n26	0n38	0n47	20n 3	1 s33	13n46	16n46	2 s11	2s 5	13 s 8	6n37	2n17
S 2	4 51		2 12	8 18	0n 0					20 19			2 27	0 39						2 12	2 4	/	6 38	2 17
M 3 T 4	5 14 5 37		0 56 0s26	9 13 10 8	0 12 0 23				0 9		1 2		2 27 2 27	0 40 0 41	0 47 0 47		1 33	13 47 13 47	-	2 12 2 12	2 3 2		6 39 6 41	2 17 2 17
W 5	5 59			10 8	0 25			-	0 8		1 3		2 27	0 41			1 33	13 48	-	2 12	2 0		6 42	2 17
T 6	6 22		,	11 53	0 46				0 7		1 3		2 27	0 43			1 33	13 49		2 11	1 59		6 43	2 17
F 7	6 45	15 7	-	12 44	0 58				0 6		1 3		2 27	0 44			1 33	13 49	-	2 11	1 58		6 45	2 17
S 8	7 7	17 12	4 46	13 33	1 10	14 20	7 35	13 9	0 5	20 16	1 3	16 18	2 27	0 45	0 47	20 5	1 33	13 50	16 45	2 10	1 57	13 17	6 46	2 17
S 9	7 30	18 7	5 11	14 20	1 21	13 59	7 27	13 25	0 5	20 16	1 3	16 17	2 28	0 46	0 47	20 6	1 33	13 50	16 45	2 10	1 55	13 18	6 47	2 17
M10			-	15 5	1 32	13 36		-	0 4	20 15	1 3	-	2 28	0 47			1 33		16 45	2 9	1 54		6 49	2 17
T 11	-		-	15 48	1 43	13 14			0 3		1 3	-	2 28	0 48		20 6	1 33		16 45	2 9	1 53	_	6 50	2 17
W12				16 28	1 53			-	0 3	-	1 3		2 28	0 49			1 33	13 52		2 9		13 22	6 51	2 17
T 13 F 14	8 58 9 20	-		17 6 17 42	2 3 2 12				0 2 0 1	20 13 20 12	1 3		2 28 2 28	0 50 0 50			1 33 1 33	13 52 13 53		2 10 2 10	1 50 1 49		6 53 6 54	2 17 2 17
S 15	9 42			18 15	2 20			14 54		20 12	1 3		2 28	0 50	0 47		1 33	13 53		2 10		13 26	6 56	2 17
S 16	10 3	0 47	0 52	18 45	2 28	11 16	6 15	15 8	0n 0	20 11	1 3	16 10	2 28	0 52	0 47	20 8	1 33	13 54	16 44	2 11	1 47	13 27	6 57	2 16
M17	10 24	3 s 0	0n14	19 12	2 35	10 53	6 2	15 23	0 1	20 10	1 3	16 9	2 28	0 53	0 47	20 8	1 33	13 54	16 44	2 11	1 45	13 28	6 58	2 16
T 18	10 45		-	19 36	2 41	10 30			0 1	20 9	1 3		2 28	0 54			1 33	13 54	-	2 11		13 30	7 0	2 16
W19	11 6			19 58	2 46	10 8			0 2		1 3	-	2 29	0 55				13 55		2 10	1 43		7 1	2 16
T 20		-	-	20 17	2 50	9 46	-	-	0 3		1 3		2 29	0 56			1 32	13 55		2 9	1 42		7 2	2 16
F 21 S 22		-		20 33	2 52	9 25	-	-	0 3		1 4		2 29	0 56			1 32	13 56	-	2 7	1 40		7 3	2 16
	12 8	16 59	4 38	20 46	2 54	9 4	4 54	16 31	0 4	20 5	1 4	16 4	2 29	0 57	0 4/	20 10	1 32	13 56	16 43	2 6	1 39	13 34	7 5	2 16
S 23	-	-, -,	-	20 56	2 55	8 45	-	-	0 5		1 4	-	2 29	0 58		20 10	1 32	13 56	-	2 4	1 38		7 6	2 16
M24	-	-		21 4	2 54	8 26	-		0 5		1 4	-	2 29	0 59			1 32	13 57	-	2 2	1 36		7 7	2 16
T 25			-	21 8	2 52	8 8		-	0 6		1 4	-	2 29	1 0		20 11	1 32	13 57	-	2 1	1 35		7 9	2 16
W26 T 27			-	21 10	2 49	7 51			0 7	20 1	1 4		2 29	1 0		20 11	1 32	13 57	-	2 0	1 34		7 10	2 16
F 28			4 21 3 35	21 9 21 5	2 45 2 39	7 36 7 21			0 7 0 8		1 4		2 29 2 29	1 1		20 11 20 12	1 32 1 32		-	2 0 2 0	1 33	13 41 13 42	7 11 7 13	2 16 2 16
S 29	14 24			20 58	2 39	7 8	3 16		0 8			15 58	2 29	1 2		20 12	1 32			2 1		13 42	7 14	2 16
S 30				20 38 20n49	2 32 2n24			18n12		19 56 19 s57		15 s55		1 2 1n 3		20 12 20n12		13 38 13n58				13 s44	7n15	
3 30	141143	2831	11120	201149	21124	01133	J11 Z	101112	011 9	1753/	111 4	13833	21129	111 3	0114 /	201112	1 532	131136	101141	25 1	1 529	13544	/1113	21110

Julian Day Number = 2531988.5, Delta T = 184.14 sec Ecliptic obliquity = 23°24'30, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}49'06$, Lahiri = $26^{\circ}56'06$

MAY 2220 00:00 UT

Day	Sid.t	\odot	D	φ	φ	♂	4	ħ)∤(卉	Р	r	Ω	Ç	, k	Day
M 1	14 35 49	10842'05	3 Υ 32	22°R49	10 Υ 29	228 1	4°R17	22°R15	29°R 7	8 Ⅱ 43	3°R19	5°R 7	3 ≏ 41	18 M .13	13 Y 9	M 1
T 2	14 39 46	11°40'27	18°17	22 8 34	10°34	22°44	4 ₹ 11	22 M 11	29 Mp 5	8°45	3 ≏ 17	5 º 6	3°38	18°20	13°12	T 2
W 3	14 43 42	12°38'47	3 8 21	22°14	10°41	23°28	4° 4	22° 6	29° 4	8°47	3°16	5° 4	3°34	18°26	13°15	W 3
T 4	14 47 39	13°37'06	18°35	21°50	10°50	24°11	3°58	22° 2	29° 2	8°50	3°15	5° 0	3°31	18°33	13°18	T 4
F 5	14 51 36	14°35'23	3 Ⅱ 49	21°23	11° 2	24°54	3°51	21°58	29° 1	8°52	3°14	4°54	3°28	18°40	13°22	F 5
S 6	14 55 32	15°33'38	18°54	20°52	11°15	25°37	3°44	21°53	28°59	8°54	3°13	4°48	3°25	18°47	13°25	S 6
S 7	14 59 29	16°31'52	3939	20°18	11°31	26°20	3°37	21°49	28°58	8°56	3°12	4°43	3°22	18°53	13°28	S 7
M 8	15 3 25	17°30'03	17°58	19°43	11°48	27° 3	3°30	21°44	28°56	8°58	3°11	4°38	3°19	19° 0	13°31	M 8
T 9	15 7 22	18°28'13	1 Q 50	19° 6	12° 7	27°46	3°23	21°40	28°55	9° 0	3°10	4°35	3°15	19° 7	13°34	T 9
W10	15 11 18	19°26'20	15°14	18°28	12°29	28°29	3°16	21°35	28°53	9° 2	3° 9	4°D34	3°12	19°13	13°37	W10
T 11	15 15 15	20°24'26	28°12	17°51	12°51	29°12	3° 9	21°31	28°52	9° 4	3° 8	4°34	3° 9	19°20	13°40	T 11
F 12	15 19 11	21°22'29	10 m /48	17°14	13°16	29°55	3° 1	21°26	28°51	9° 6	3° 7	4°35	3° 6	19°27	13°43	F 12
S 13	15 23 8	22°20'31	23° 7	16°39	13°42	0 Ⅲ 37	2°54	21°22	28°49	9° 9	3° 6	4°36	3° 3	19°33	13°46	S 13
S 14	15 27 5	23°18'30	5 <u>Ω</u> 13	16° 5	14°10	1°20	2°46	21°17	28°48	9°11	3° 5	4°R37	2°59	19°40	13°49	S 14
M15	15 31 1	24°16'28	17°11	15°34	14°39	2° 3	2°39	21°13	28°47	9°13	3° 4	4°36	2°56	19°47	13°52	M15
T 16	15 34 58	25°14'25	29° 3	15° 6	15°10	2°45	2°32	21° 8	28°46	9°15	3° 3	4°33	2°53	19°53	13°55	T 16
W17	15 38 54	26°12'19	10 M 53	14°41	15°42	3°28	2°24	21° 4	28°45	9°17	3° 2	4°28	2°50	20° 0	13°58	W17
T 18	15 42 51	27°10'12	22°42	14°20	16°16	4°10	2°16	20°59	28°44	9°20	3° 1	4°20	2°47	20° 7	14° 0	T 18
F 19	15 46 47	28° 8'04	4 ₹ 34	14° 2	16°51	4°53	2° 9	20°55	28°43	9°22	3° 0	4°11	2°44	20°13	14° 3	F 19
S 20	15 50 44	29° 5'54	16°30	13°49	17°27	5°35	2° 1	20°50	28°42	9°24	3° 0	4° 1	2°40	20°20	14° 6	S 20
S 21	15 54 40	0 Ⅱ 3'43	28°31	13°41	18° 4	6°17	1°54	20°46	28°41	9°26	2°59	3°50	2°37	20°27	14° 9	S 21
M22	15 58 37	1° 1'30	10 궁 39	13°D36	18°43	7° 0	1°46	20°41	28°41	9°28	2°58	3°41	2°34	20°34	14°11	M22
T 23	16 2 34	1°59'17	22°56	13°37	19°22	7°42	1°38	20°37	28°40	9°31	2°58	3°33	2°31	20°40	14°14	T 23
W24	16 6 30	2°57'02	5≈24	13°42	20° 3	8°24	1°31	20°33	28°39	9°33	2°57	3°27	2°28	20°47	14°17	W24
T 25	16 10 27	3°54'46	18° 7	13°51	20°45	9° 6	1°23	20°28	28°38	9°35	2°56	3°24	2°25	20°54	14°19	T 25
F 26	16 14 23	4°52'29	1) (7	14° 5	21°27	9°48	1°15	20°24	28°38	9°37	2°56	3°D22	2°21	21° 0	14°22	F 26
S 27	16 18 20	5°50'11	14°27	14°23	22°11	10°30	1° 8	20°20	28°37	9°40	2°55	3°23	2°18	21° 7	14°24	S 27
S 28	16 22 16	6°47'51	28°11	14°46	22°56	11°12	1° 0	20°15	28°37	9°42	2°55	3°R23	2°15	21°14	14°27	S 28
M29	16 26 13	7°45'31	12 Y 20	15°13	23°41	11°54	0°53	20°11	28°36	9°44	2°54	3°23	2°12	21°20	14°29	M29
T 30	16 30 9	8°43'10	26°54	15°44	24°27	12°36	0°45	20° 7	28°36	9°46	2°54	3°21	2° 9	21°27	14°32	T 30
W31	16 34 6	9 Ⅱ 40'48	11848	16820	25 Y 14	13 II 18	0 ∡ 38	20 M 3	28 M 36	9∏49	2 ≏ 53	3 ≏ 17	2 ₾ 5	21 M 34	14 Y 34	W31

Day	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	n	v t	, K
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
M 1	15n 1		20n37 2n14		-		15 s54 2n29			13n58 16n41	2 s 2	1 s28 13 s45	7n16 2n16
T 2	15 19	6 4 1s11	20 23 2 3			19 55 1 4	15 53 2 29	1 4 0 47	20 13 1 32		2 2	1 26 13 47	7 18 2 16
W 3						19 53 1 4		1 5 0 47				1 25 13 48	7 19 2 16
T 4	15 54		19 47 1 38			19 52 1 4		1 6 0 47			1 59	1 24 13 49	
F 5	-	16 32 4 26				19 51 1 4			20 14 1 32		1 57	1 23 13 50	
S 6	16 29	17 59 4 58	19 3 1 9	6 4 1 45	19 21 0 13	19 50 1 4	15 49 2 29	1 7 0 47	20 14 1 32	13 59 16 39	1 54	1 21 13 51	7 23 2 16
S 7	16 45	18 12 5 10	18 39 0 53	5 59 1 33	19 32 0 14	19 48 1 4	15 48 2 29	1 7 0 46	20 15 1 32	13 59 16 39	1 52	1 20 13 53	7 24 2 16
M 8	17 2	17 13 5 2	18 13 0 36	5 55 1 22	19 42 0 14	19 47 1 4	15 46 2 29	1 8 0 46	20 15 1 32	14 0 16 39	1 50	1 19 13 54	7 25 2 16
T 9	17 18	15 14 4 36	17 47 0 19	5 52 1 10	19 53 0 15	19 46 1 4	15 45 2 29	1 9 0 46	20 15 1 32	14 0 16 38	1 49	1 18 13 55	7 26 2 16
W10	17 34	12 30 3 56	17 20 0 2	5 50 0 59	20 3 0 15	19 44 1 4	15 44 2 29	1 9 0 46	20 16 1 32	14 0 16 38	1 49	1 16 13 56	7 27 2 16
T 11	17 50	9 12 3 4	16 53 0s16	5 49 0 49	20 13 0 16	19 43 1 4	15 43 2 29	1 10 0 46	20 16 1 32	14 0 16 38	1 49	1 15 13 57	7 29 2 16
F 12	18 5	5 34 2 5	16 26 0 33	5 49 0 38	20 23 0 17	19 42 1 3	15 42 2 29	1 10 0 46	20 16 1 32	14 0 16 37	1 49	1 14 13 59	7 30 2 16
S 13	18 20	1 47 1 2	15 59 0 50	5 50 0 28	20 32 0 17	19 40 1 3	15 41 2 29	1 10 0 46	20 17 1 32	14 0 16 37	1 50	1 13 14 0	7 31 2 16
S 14	18 35	2s 1 0n 3	15 33 1 7	5 52 0 18	20 41 0 18	19 39 1 3	15 40 2 29	1 11 0 46	20 17 1 32	14 0 16 37	1 50	1 11 14 1	7 32 2 16
M15	18 49	5 42 1 7	15 9 1 24	5 54 0 9	20 51 0 18	19 38 1 3	15 39 2 29	1 11 0 46	20 17 1 32	14 0 16 36	1 49	1 10 14 2	7 33 2 16
T 16	19 3	9 8 2 8	14 45 1 40	5 57 0s 1	21 0 0 19	19 36 1 3	15 37 2 29	1 12 0 46	20 18 1 32	14 0 16 36	1 48	1 9 14 3	7 34 2 16
W17	19 17	12 11 3 2	14 24 1 55	6 2 0 10	21 8 0 20	19 35 1 3	15 36 2 29	1 12 0 46	20 18 1 32	14 0 16 36	1 46	1 7 14 5	7 36 2 16
T 18	19 30	14 44 3 49	14 4 2 9	6 6 0 18	21 17 0 20	19 33 1 3	15 35 2 29	1 12 0 46	20 19 1 32	14 0 16 35	1 43	1 6 14 6	7 37 2 16
F 19	19 43	16 40 4 26	13 46 2 22	6 12 0 27	21 25 0 21	19 32 1 3	15 34 2 29	1 13 0 46	20 19 1 32	14 0 16 35	1 40	1 5 14 7	7 38 2 16
S 20	19 56	17 54 4 51	13 30 2 35	6 18 0 35	21 33 0 21	19 31 1 3	15 33 2 29	1 13 0 46	20 19 1 32	14 0 16 34	1 36	1 4 14 8	7 39 2 16
S 21	20 8	18 20 5 4	13 17 2 46	6 25 0 43	21 41 0 22	19 29 1 3	15 32 2 29	1 13 0 46	20 20 1 32	14 0 16 34	1 31	1 2 14 9	7 40 2 16
M22	20 20	17 57 5 3	13 6 2 56	6 33 0 50	21 49 0 23	19 28 1 3	15 31 2 28	1 14 0 46	20 20 1 32	14 0 16 34	1 28	1 1 14 10	7 41 2 16
T 23	20 32	16 44 4 48	12 57 3 5	6 41 0 57	21 57 0 23	19 26 1 3	15 30 2 28	1 14 0 46	20 20 1 32	13 59 16 33	1 24	1 0 14 12	7 42 2 16
W24	20 43	14 42 4 19	12 51 3 14	6 50 1 4	22 4 0 24	19 25 1 3	15 29 2 28	1 14 0 46	20 21 1 32	13 59 16 33	1 22	0 59 14 13	7 43 2 16
T 25	20 54	11 56 3 37	12 47 3 21	6 59 1 11	22 11 0 24	19 23 1 3	15 28 2 28	1 14 0 46	20 21 1 32	13 59 16 32	1 21	0 57 14 14	7 44 2 16
F 26	21 5	8 31 2 43	12 45 3 27	7 9 1 18	22 18 0 25	19 22 1 2	15 27 2 28	1 15 0 46	20 21 1 32	13 59 16 32	1 20	0 56 14 15	7 45 2 16
S 27	21 15	4 35 1 39	12 45 3 32	7 20 1 24	22 25 0 25	19 21 1 2	15 26 2 28	1 15 0 46	20 22 1 32	13 59 16 31	1 20	0 55 14 16	7 46 2 16
S 28	21 25	0 18 0 28	12 48 3 36	7 31 1 30	22 31 0 26	19 19 1 2	15 25 2 28	1 15 0 46	20 22 1 32	13 59 16 31	1 21	0 54 14 17	7 47 2 16
M29	21 34	4n 8 0s48	12 53 3 39	7 42 1 36	22 37 0 27		15 24 2 28	1 15 0 46	20 22 1 32	13 58 16 30	1 21	0 52 14 19	7 48 2 16
T 30	21 44	8 27 2 2	13 0 3 41	7 54 1 41	22 44 0 27	19 16 1 2	15 23 2 28	1 15 0 46	20 23 1 32	13 58 16 30	1 20	0 51 14 20	7 49 2 16
W31	21n52	12n21 3s 9	13n 8 3 s 43	8n 6 1s47	22n49 0n28	19s15 1n 2	15 s22 2n27	1n15 0n46	20n23 1 s32	13n58 16n30	1 s18	0s50 14s21	7n50 2n16

Julian Day Number = 2532018.5, Delta T = 184.24 sec Ecliptic obliquity = 23°24′29, Nutation = -0°00′00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°49′10, Lahiri = 26°56′11

JUNE 2220 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)Å(¥	Р	u	Ω	Ç	ę,	Day
T 1	16 38 3	10 Ⅲ 38'25	26 8 57	16 8 59	26 Y 2	14 I I 0	0°R30	19°R59	28°R35	9 Ⅱ 51	2°R53	3°R10	2 º 2	21 M 40	14 Y 36	T 1
F 2	16 41 59	11°36'02	12 I I10	17°42	26°51	14°42	0 ∡ 23	19 M 55	28 m /35	9°53	2 ₾ 53	3 ₾ 1	1°59	21°47	14°39	F 2
S 3	16 45 56	12°33'37	27°18	18°29	27°40	15°24	0°15	19°51	28°35	9°55	2°52	2°51	1°56	21°54	14°41	S 3
S 4	16 49 52	13°31'10	129 9	19°19	28°30	16° 5	0° 8	19°47	28°35	9°58	2°52	2°41	1°53	22° 1	14°43	S 4
M 5	16 53 49	14°28'43	26°37	20°13	29°21	16°47	0° 1	19°43	28°35	10° 0	2°52	2°32	1°50	22° 7	14°45	M 5
T 6	16 57 45	15°26'14	10Ω36	21°11	0812	17°28	29M-54	19°39	28°D35	10° 2	2°51	2°26	1°46	22°14	14°47	T 6
W 7	17 1 42	16°23'44	24° 6	22°12	1° 4	18°10	29°47	19°35	28°35	10° 4	2°51	2°22	1°43	22°21	14°50	W 7
T 8	17 5 38	17°21'13	7 mp 7	23°16	1°57	18°52	29°40	19°32	28°35	10° 7	2°51	2°20	1°40	22°27	14°52	T 8
F 9	17 9 35	18°18'40	19°45	24°23	2°50	19°33	29°33	19°28	28°35	10° 9	2°51	2°D20	1°37	22°34	14°54	F 9
S 10	17 13 32	19°16'06	2 ♀ 2	25°33	3°44	20°14	29°26	19°24	28°35	10°11	2°51	2°R20	1°34	22°41	14°55	S 10
S 11	17 17 28	20°13'31	14° 6	26°47	4°38	20°56	29°19	19°21	28°36	10°13	2°51	2°19	1°31	22°47	14°57	S 11
M12	17 21 25	21°10'55	26° 0	28° 4	5°33	21°37	29°12	19°17	28°36	10°15	2°51	2°17	1°27	22°54	14°59	M12
T 13	17 25 21	22° 8'18	7 M _50	29°23	6°28	22°18	29° 6	19°14	28°36	10°18	2°D51	2°13	1°24	23° 1	15° 1	T 13
W14	17 29 18	23° 5'40	19°39	0Д46	7°23	22°59	28°59	19°11	28°37	10°20	2°51	2° 6	1°21	23° 7	15° 3	W14
T 15	17 33 14	24° 3'01	1 ₹ 31	2°11	8°20	23°41	28°53	19° 7	28°37	10°22	2°51	1°56	1°18	23°14	15° 5	T 15
F 16	17 37 11	25° 0'22	13°27	3°40	9°16	24°22	28°47	19° 4	28°38	10°24	2°51	1°44	1°15	23°21	15° 6	F 16
S 17	17 41 7	25°57'41	25°30	5°11	10°13	25° 3	28°41	19° 1	28°38	10°26	2°51	1°31	1°11	23°28	15° 8	S 17
S 18	17 45 4	26°55'00	7 궁 41	6°46	11°11	25°44	28°35	18°58	28°39	10°29	2°51	1°17	1°8	23°34	15° 9	S 18
M19	17 49 1	27°52'18	20° 0	8°23	12° 8	26°25	28°29	18°55	28°40	10°31	2°51	1° 5	1° 5	23°41	15°11	M19
T 20	17 52 57	28°49'36	2≈29	10° 3	13° 7	27° 6	28°23	18°52	28°40	10°33	2°52	0°54	1° 2	23°48	15°12	T 20
W21	17 56 54	29°46'53	15° 9	11°45	14° 5	27°47	28°17	18°49	28°41	10°35	2°52	0°46	0°59	23°54	15°14	W21
T 22	18 0 50	09544'10	28° 0	13°31	15° 4	28°28	28°12	18°46	28°42	10°37	2°52	0°41	0°56	24° 1	15°15	T 22
F 23	18 4 47	1°41'26	11 米 5	15°19	16° 4	29° 8	28° 7	18°44	28°43	10°39	2°52	0°38	0°52	24° 8	15°17	F 23
S 24	18 8 43	2°38'42	24°27	17°10	17° 3	29°49	28° 1	18°41	28°44	10°41	2°53	0°38	0°49	24°14	15°18	S 24
S 25	18 12 40	3°35'59	8 Υ 6	19° 4	18° 3	0930	27°56	18°38	28°45	10°44	2°53	0°37	0°46	24°21	15°19	S 25
M26	18 16 36	4°33'14	22° 5	21° 0	19° 4	1°11	27°51	18°36	28°46	10°46	2°53	0°37	0°43	24°28	15°20	M26
T 27	18 20 33	5°30'30	6 8 25	22°58	20° 5	1°51	27°47	18°34	28°47	10°48	2°54	0°35	0°40	24°34	15°22	T 27
W28	18 24 30	6°27'46	21° 2	24°59	21° 6	2°32	27°42	18°31	28°48	10°50	2°54	0°30	0°37	24°41	15°23	W28
T 29	18 28 26	7°25'02	5 Ⅱ 53	27° 2	22° 7	3°13	27°37	18°29	28°49	10°52	2°55	0°22	0°33	24°48	15°24	T 29
F 30	18 32 23	89522'18	20耳50	29 I 7	23 8 8	3 95 53	27 m 33	18 M 27	28 m 51	10 Ⅲ 54	2 ჲ 55	0 ≏ 13	0 ჲ 30	24ML55	15 Y 25	F 30

Day	0	D	ğ	Q	♂ [™]	4	ħ)Å(¥	Р	n	v t	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
T 1 F 2 S 3	22n 1 22 9 22 16	17 33 4 43	13n19 3s4 13 31 3 4 13 46 3 4	8 32 1 56	23 0 0 29	19 12 1 2	15 s21 2n27 15 20 2 27 15 19 2 27	1 15 0 45	20n23 1 s32 20 24 1 32 20 24 1 32		1 12	0s49 14s22 0 47 14 23 0 46 14 24	7n51 2n17 7 52 2 17 7 53 2 17
S 4 M 5 T 6 W 7 T 8	22 24 22 30 22 37 22 43 22 48	13 44 3 59 10 31 3 8		36 9 12 2 10 33 9 27 2 14 28 9 41 2 17		19 8 1 1 19 7 1 1 19 5 1 1		1 15 0 45 1 15 0 45 1 15 0 45	20 24 1 32 20 25 1 32 20 25 1 32 20 25 1 32 20 26 1 32	13 56 16 27 13 56 16 27 13 56 16 26	1 0 0 58 0 56	0 45 14 25 0 44 14 27 0 42 14 28 0 41 14 29 0 40 14 30	7 54 2 17 7 54 2 17 7 55 2 17 7 56 2 17 7 57 2 17
F 9 S 10	22 54 22 58		15 39 3 1 16 1 3 1		23 32 0 33 23 36 0 33		15 14 2 26 15 13 2 26		20 26 1 32 20 26 1 32			0 38 14 31 0 37 14 32	7 58 2 17 7 59 2 17
S 11 M12 T 13 W14 T 15 F 16 S 17	23 14 23 16 23 19	8 8 2 2 11 19 2 56 14 3 3 43 16 12 4 19 17 40 4 45	16 49 2 5 17 14 2 4 17 40 2 4 18 5 2 3 18 31 2 2	57 10 57 2 33 49 11 12 2 36 41 11 28 2 38 32 11 44 2 40 23 12 0 2 43	23 48 0 35 23 51 0 36 23 53 0 36	18 59 1 0	15 9 2 25 15 8 2 25	1 15 0 45 1 14 0 45 1 14 0 45 1 14 0 45 1 14 0 45	20 27 1 32 20 27 1 32 20 27 1 32 20 27 1 32 20 28 1 32 20 28 1 32 20 28 1 32	13 54 16 24 13 53 16 23 13 53 16 23 13 52 16 23	0 55 0 53 0 50 0 46 0 41	0 36 14 33 0 35 14 34 0 33 14 36 0 32 14 37 0 31 14 38 0 30 14 39 0 28 14 40	8 0 2 17 8 1 2 17 8 2 2 17 8 2 2 17 8 3 2 17
S 18 M19 T 20 W21 T 22 F 23 S 24	23 22 23 23 23 24 23 24 23 24 23 24 23 23	17 14 4 44 15 25 4 16 12 50 3 36 9 36 2 43 5 50 1 41		52 12 48 2 48 42 13 4 2 49 81 13 20 2 50 19 13 36 2 51 8 13 52 2 52	23 59 0 38 24 1 0 38 24 2 0 39 24 3 0 39 24 4 0 40	18 52 0 59 18 50 0 59 18 49 0 58 18 48 0 58 18 47 0 58 18 46 0 58 18 45 0 58	15 7 2 24 15 6 2 24 15 5 2 24 15 5 2 24 15 4 2 23	1 13 0 45 1 13 0 45 1 12 0 45 1 12 0 45 1 11 0 45	20 29 1 32 20 29 1 32 20 29 1 32 20 30 1 32 20 30 1 32 20 30 1 32 20 30 1 32	13 50 16 20 13 49 16 20 13 49 16 19 13 48 16 19	0 26 0 21 0 18 0 16 0 15	0 27 14 41 0 26 14 42 0 25 14 43 0 23 14 44 0 22 14 45 0 21 14 47 0 20 14 48	8 4 2 17 8 5 2 17 8 6 2 17 8 6 2 17 8 7 2 17 8 7 2 18 8 8 2 18
	23 22 23 20 23 18 23 15 23 12 23n 9	6 53 1 51 10 51 2 57 14 15 3 53 16 46 4 34	22 33 0 3 22 52 0 2 23 8 0 1 23 23 0n	22 14 56 2 55 10 15 12 2 55	24 5 0 41 24 5 0 42 24 5 0 42 24 5 0 43	18 44 0 57 18 43 0 57 18 42 0 57 18 41 0 57	15 3 2 23 15 2 2 23 15 2 2 22	1 10 0 44 1 10 0 44 1 9 0 44 1 9 0 44	20 31 1 32 20 31 1 32 20 32 1 32 20 32 1 32	13 46 16 17 13 45 16 16	0 15 0 14 0 12 0 9	0 18 14 49 0 17 14 50 0 16 14 51 0 15 14 52 0 13 14 53 0s12 14s54	

Julian Day Number = 2532049.5, Delta T = 184.33 sec Ecliptic obliquity = 23°24'28, Nutation = -0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°49'14, Lahiri = 26°56'15

JULY 2220 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)Å(¥	Р	₽.	v	Ç	Ŷ,	Day
S 1	18 36 19	9919'33	5945	19913	24810	4934	27°R29	18°R25	28 m 52	10 П 56	2 ჲ 56	0°R 2	0 ჲ 27	25 M 1	15 Y 26	S 1
S 2	18 40 16	10°16'48	20°28	3°21	25°12	5°14	27 M 25	18 M 23	28°53	10°58	2°57	29 m 51	0°24	25° 8	15°27	S 2
M 3	18 44 12	11°14'03	4€52	5°30	26°15	5°54	27°21	18°21	28°55	11° 0	2°57	29°42	0°21	25°15	15°27	M 3
T 4	18 48 9	12°11'18	18°51	7°39	27°17	6°35	27°17	18°19	28°56	11° 2	2°58	29°34	0°17	25°21	15°28	T 4
W 5	18 52 5	13° 8'32	2 Mp 22	9°50	28°20	7°15	27°14	18°18	28°58	11° 4	2°59	29°29	0°14	25°28	15°29	W 5
T 6	18 56 2	14° 5'46	15°26	12° 1	29°23	7°55	27°11	18°16	28°59	11° 6	2°59	29°27	0°11	25°35	15°30	T 6
F 7	18 59 59	15° 2'59	28° 6	14°11	0 Ⅲ 27	8°36	27° 7	18°15	29° 1	11° 8	3° 0	29°D26	0° 8	25°41	15°30	F 7
S 8	19 3 55	16° 0'12	10 ≏ 26	16°22	1°30	9°16	27° 4	18°13	29° 3	11°10	3° 1	29°R26	0° 5	25°48	15°31	S 8
S 9	19 7 52	16°57'25	22°31	18°32	2°34	9°56	27° 2	18°12	29° 4	11°12	3° 2	29°26	0° 2	25°55	15°31	S 9
M10	19 11 48	17°54'38	4ML26	20°41	3°38	10°36	26°59	18°11	29° 6	11°14	3° 3	29°25	29 m 58	26° 2	15°32	M10
T 11	19 15 45	18°51'50	16°16	22°49	4°42	11°16	26°57	18°10	29° 8	11°15	3° 3	29°22	29°55	26° 8	15°32	T 11
W12	19 19 41	19°49'03	28° 7	24°56	5°46	11°56	26°54	18° 9	29°10	11°17	3° 4	29°16	29°52	26°15	15°33	W12
T 13	19 23 38	20°46'15	10 × 2	27° 2	6°51	12°36	26°52	18° 8	29°11	11°19	3° 5	29° 8	29°49	26°22	15°33	T 13
F 14	19 27 34	21°43'27	2 <u>2</u> ° 4	29° 7	7°56	13°16	26°50	18° 7	29°13	11°21	3° 6	28°58	29°46	26°28	15°33	F 14
S 15	19 31 31	22°40'39	4 궁 16	1 N 9	9° 1	13°56	26°48	18° 6	29°15	11°23	3° 7	28°46	29°42	26°35	15°34	S 15
S 16	19 35 28	23°37'52	16°38	3°11	10° 6	14°36	26°47	18° 5	29°17	11°25	3° 8	28°35	29°39	26°42	15°34	S 16
M17	19 39 24	24°35'04	29°13	5°10	11°11	15°16	26°45	18° 5	29°19	11°26	3° 9	28°24	29°36	26°48	15°34	M17
T 18	19 43 21	25°32'17	11≈58	7° 8	12°17	15°56	26°44	18° 4	29°22	11°28	3°11	28°15	29°33	26°55	15°34	T 18
W19	19 47 17	26°29'30	24°56	9° 4	13°23	16°36	26°43	18° 4	29°24	11°30	3°12	28° 8	29°30	27° 2	15°R34	W19
T 20	19 51 14	27°26'44	8 ∀ 5	10°58	14°28	17°15	26°42	18° 4	29°26	11°31	3°13	28° 4	29°27	27° 9	15°34	T 20
F 21	19 55 10	28°23'58	21°25	12°51	15°35	17°55	26°42	18° 4	29°28	11°33	3°14	28° 2	29°23	27°15	15°34	F 21
S 22	19 59 7	29°21'13	4 Ƴ 57	14°41	16°41	18°35	26°41	18°D 4	29°30	11°35	3°15	28°D 2	29°20	27°22	15°34	S 22
S 23	20 3 3	$0\Omega 18'28$	18°42	16°30	17°47	19°14	26°41	18° 4	29°33	11°36	3°16	28° 3	29°17	27°29	15°33	S 23
M24	20 7 0	1°15'44	2 8 39	18°17	18°54	19°54	26°D41	18° 4	29°35	11°38	3°18	28°R 4	29°14	27°35	15°33	M24
T 25	20 10 57	2°13'01	16°50	20° 2	20° 0	20°33	26°41	18° 4	29°38	11°40	3°19	28° 3	29°11	27°42	15°33	T 25
W26	20 14 53	3°10'19	1 I I11	21°45	21° 7	21°13	26°41	18° 4	29°40	11°41	3°20	28° 0	29° 8	27°49	15°32	W26
T 27	20 18 50	4° 7'38	15°41	23°27	22°14	21°53	26°42	18° 5	29°43	11°43	3°22	27°55	29° 4	27°55	15°32	T 27
F 28	20 22 46	5° 4'58	09୍ତ14	25° 6	23°21	22°32	26°42	18° 5	29°45	11°44	3°23	27°48	29° 1	28° 2	15°32	F 28
S 29	20 26 43	6° 2'18	14°45	26°44	24°29	23°11	26°43	18° 6	29°48	11°46	3°24	27°40	28°58	28° 9	15°31	S 29
S 30	20 30 39	6°59'39	29° 7	28°20	25°36	23°51	26°44	18° 7	29°50	11°47	3°26	27°32	28°55	28°16	15°31	S 30
M31	20 34 36	7Ω 57'01	13 Ω 13	29 Ω 55	26∏44	24930	26M45	18 M 7	29 m 53	11 Ⅱ 49	3 ≏ 27	27 m 25	28 m 52	28 M 22	15 Y 30	M31

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S 1	23n 5	18n18 4s	59 23n47	0n22 15n58	2 s 5 5 24n 3	0n43	18 s40	0n56	15 s 1	2n22	1n 8	0n44	20n32 1	s32	13n43 16n15	0 s 1	0s11	14s55	8n11	2n18
S 2	23 1	17 12 4 4	42 23 55	0 33 16 13	2 54 24 2	0 44	18 39	0 56	15 1	2 21	1 7	0 44	20 33 1	32	13 43 16 14	0n 4	0 9	14 56	8 12	2 18
M 3	22 56	15 2 4			2 54 24 1	0 44	18 38	0 56	15 0	2 21	1 6	0 44	20 33 1	32	13 42 16 14	0 7	0 8	14 57	8 12	2 18
T 4	22 51	_			2 53 23 59		18 38	0 55			1 6			-	13 41 16 13			14 58	8 12	2 18
W 5	22 46		-		2 53 23 58		18 37	0 55			1 5			-	13 41 16 13		0 6		8 13	2 18
T 6 F 7	22 40 22 34		14 24 0 7 23 55		2 52 23 56 2 51 23 54		18 37 18 36	0 55	15 0 15 0						13 40 16 12 13 39 16 12			15 1 15 2	8 13	2 18 2 18
S 8	22 34		58 23 47		2 50 23 52		18 36		14 59	2 20 2 20					13 38 16 11	0 13		15 2	8 13 8 14	-
S 9	22 20	6 54 1 3	59 23 36	1 29 17 53	2 49 23 49	0 47	18 35	0 54	14 59	2 20	1 2	0 44	20 34 1	32	13 38 16 11	0 13	0 1	15 4	8 14	2 18
M10	22 13	10 14 2 3	55 23 22	1 34 18 6	2 48 23 47	0 48	18 35	0 54	14 59	2 19	1 2	0 44	20 35 1	32	13 37 16 11	0 14	0n 1	15 5	8 14	2 18
T 11	22 5	13 8 3 4	42 23 6	1 38 18 19	2 46 23 44	0 48	18 35	0 54	14 59	2 19	1 1	0 44	20 35 1	32	13 36 16 10	0 15	0 2	15 6	8 14	2 19
			20 22 47		2 45 23 41		18 34		14 59	2 19					13 35 16 10			15 7	8 15	
-	-		46 22 27		2 43 23 37	-	18 34		14 59	2 19		-		-	13 35 16 9	0 21		15 8	8 15	2 19
			0 22 4 1 21 39		2 42 23 34		18 34 18 34		14 59	2 18 2 18		-		-	13 34 16 9 13 33 16 8	0 20		15 9 15 10	8 15 8 15	2 19
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M17 T 18	21 11 21 0	-	21 20 44 40 20 13		2 36 23 22 2 34 23 18				14 59 14 59			-		-	13 31 16 7 13 31 16 7	0 38		15 12 15 13	8 15 8 15	2 19 2 19
	-		47 19 42		2 32 23 14				15 0					-	13 30 16 7	0 42		15 14	8 15	2 19
T 20	20 39		45 19 9		2 30 23 9		18 33	0 52						-	13 29 16 6			15 15	8 15	2 19
F 21	20 27		35 18 35		2 28 23 4		18 34	0 51		2 17	0 52				13 28 16 6	0 47		15 16	8 15	2 19
S 22	20 16	1n24 0s3	37 18 0	1 40 20 19	2 26 23 0	0 53	18 34	0 51	15 0	2 16	0 51	0 43	20 37 1	32	13 27 16 5	0 47	0 16	15 17	8 15	2 19
S 23	20 3		48 17 25		2 23 22 54		18 34	0 51	15 0	2 16	0 51	0 43			13 26 16 5	0 46	0 17	15 18	8 15	2 19
M24	19 51		54 16 48		2 21 22 49		18 34	0 51		2 16					13 25 16 4	0 46		15 19	8 15	2 19
T 25	19 38		51 16 11		2 18 22 44		18 34	0 50	-	2 16	0 49			-	13 25 16 4	0 47		15 20	8 15	2 19
W26			34 15 33		2 16 22 38		18 35	0 50	-	2 15	0 48			-	13 24 16 4	0 48		15 21	8 15	2 19
T 27 F 28			59 14 54 6 14 15		2 13 22 32 2 11 22 26		18 35 18 35	0 50 0 50	-	2 15 2 15	0 47 0 46				13 23 16 3 13 22 16 3	0 50 0 52		15 22 15 23	8 15 8 15	2 19 2 19
S 29			53 13 36		2 8 22 20		18 36	0 49		2 15	0 46				13 22 16 3	0 56		15 24	8 15	2 20
S 30	18 30	16 3 4 2	21 12 57	0 58 21 15	2 5 22 14	0 56	18 36	0 49	15 3	2 14	0 43	0 43	20 38 1	33	13 20 16 2	0 59	0 26	15 25	8 15	2 20
M31	18n15	13n24 3 s	34 12n17	0n51 21n20	2 s 2 22n 7		18 s 37	0n49	15 s 4	2n14	0n42	0n43			13n19 16n 2	1n 2	0n27	15 s26	8n14	2n20

Julian Day Number = 2532079.5, Delta T = 184.42 sec Ecliptic obliquity = 23°24'28, Nutation = $0^{\circ}00'01$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}49'19$, Lahiri = $26^{\circ}56'19$

AUGUST 2220 00:00 UT

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Day	Sid.t	0	D	Ϋ́	φ	♂	4	ħ	Ж,	¥	Р	ß	ນ	Ç	ę,	Day
T 1	20 38 33	8 N 54'23	27 Ω 0	1 m 27	27 Ⅲ 51	259510	26M46	18 M 8	29 m 56	11耳50	3 ₾ 29	27°R20	28 m 48	28 M 29	15°R29	T 1
W 2	20 42 29	9°51'46	10 m 24	2°58	28°59	25°49	26°48	18° 9	29°58	11°51	3°30	27 Mp 16	28°45	28°36	15 Y 29	W 2
T 3	20 46 26	10°49'10	23°25	4°26	0ණ 7	26°28	26°50	18°10	0 亞 1	11°53	3°32	27°D15	28°42	28°42	15°28	T 3
F 4	20 50 22	11°46'34	6 ♀ 5	5°53	1°15	27° 7	26°51	18°12	0° 4	11°54	3°33	27°15	28°39	28°49	15°27	F 4
S 5	20 54 19	12°43'59	18°26	7°18	2°23	27°46	26°53	18°13	0° 7	11°55	3°35	27°16	28°36	28°56	15°26	S 5
S 6	20 58 15	13°41'24	0 M .32	8°42	3°32	28°26	26°56	18°14	0° 9	11°57	3°37	27°18	28°33	29° 2	15°25	S 6
M 7	21 2 12	14°38'51	12°29	10° 3	4°40	29° 5	26°58	18°16	0°12	11°58	3°38	27°R18	28°29	29° 9	15°24	M 7
T 8	21 6 8	15°36'17	24°21	11°22	5°49	29°44	27° 1	18°17	0°15	11°59	3°40	27°18	28°26	29°16	15°23	T 8
W 9	21 10 5	16°33'45	6 ₹ 14	12°39	6°57	0 Ω 23	27° 3	18°19	0°18	12° 0	3°41	27°16	28°23	29°23	15°22	W 9
T 10	21 14 1	17°31'13	18°11	13°54	8° 6	1° 2	27° 6	18°21	0°21	12° 2	3°43	27°12	28°20	29°29	15°21	T 10
F 11	21 17 58	18°28'42	0 궁 18	15° 7	9°15	1°41	27° 9	18°23	0°24	12° 3	3°45	27° 7	28°17	29°36	15°20	F 11
S 12	21 21 55	19°26'12	12°36	16°18	10°24	2°20	27°13	18°25	0°27	12° 4	3°47	27° 1	28°14	29°43	15°19	S 12
S 13	21 25 51	20°23'43	25° 9	17°27	11°33	2°59	27°16	18°27	0°30	12° 5	3°48	26°55	28°10	29°49	15°17	S 13
M14	21 29 48	21°21'14	7≈57	18°33	12°42	3°38	27°20	18°29	0°34	12° 6	3°50	26°49	28° 7	29°56	15°16	M14
T 15	21 33 44	22°18'47	21° 1	19°37	13°52	4°16	27°24	18°31	0°37	12° 7	3°52	26°44	28° 4	0 ≯ 3	15°15	T 15
W16	21 37 41	23°16'21	4) €20	20°38	15° 1	4°55	27°27	18°34	0°40	12° 8	3°54	26°41	28° 1	0°10	15°13	W16
T 17	21 41 37	24°13'55	17°52	21°36	16°11	5°34	27°32	18°36	0°43	12° 9	3°56	26°39	27°58	0°16	15°12	T 17
F 18	21 45 34	25°11'32	1 Y 36	22°32	17°20	6°13	27°36	18°39	0°46	12°10	3°57	26°D39	27°54	0°23	15°10	F 18
S 19	21 49 30	26° 9'09	15°29	23°25	18°30	6°52	27°40	18°41	0°50	12°11	3°59	26°40	27°51	0°30	15° 9	S 19
S 20	21 53 27	27° 6'48	29°30	24°14	19°40	7°30	27°45	18°44	0°53	12°12	4° 1	26°41	27°48	0°36	15° 7	S 20
M21	21 57 24	28° 4'29	13 8 37	25° 1	20°50	8° 9	27°50	18°47	0°56	12°12	4° 3	26°42	27°45	0°43	15° 5	M21
T 22	22 1 20	29° 2'11	27°48	25°44	22° 0	8°48	27°55	18°50	1° 0	12°13	4° 5	26°R43	27°42	0°50	15° 4	T 22
W23	22 5 17	29°59'55	12 II 2	26°23	23°10	9°26	28° 0	18°52	1° 3	12°14	4° 7	26°42	27°39	0°56	15° 2	W23
T 24	22 9 13	0 M 57'41	26°15	26°58	24°20	10° 5	28° 5	18°56	1° 6	12°15	4° 9	26°41	27°35	1° 3	15° 0	T 24
F 25	22 13 10	1°55'28	10925	27°29	25°31	10°43	28°10	18°59	1°10	12°15	4°11	26°38	27°32	1°10	14°59	F 25
S 26	22 17 6	2°53'17	24°29	27°56	26°41	11°22	28°16	19° 2	1°13	12°16	4°13	26°35	27°29	1°17	14°57	S 26
S 27	22 21 3	3°51'08	8 Ω 23	28°19	27°52	12° 0	28°21	19° 5	1°17	12°17	4°15	26°32	27°26	1°23	14°55	S 27
M28	22 24 59	4°49'00	22° 4	28°36	29° 3	12°39	28°27	19° 9	1°20	12°17	4°17	26°29	27°23	1°30	14°53	M28
T 29	22 28 56	5°46'53	5 m /30	28°48	0 Ω 13	13°17	28°33	19°12	1°24	12°18	4°19	26°27	27°20	1°37	14°51	T 29
W30	22 32 53	6°44'48	18°38	28°56	1°24	13°56	28°39	19°16	1°27	12°18	4°21	26°26	27°16	1°43	14°49	W30
T 31	22 36 49	7 M 42'45	1 ≏ 28	28°R57	2 Ω 35	14 Ω 34	28M46	19 M .19	1 ≏ 31	12 Ⅱ 19	4 ₾ 23	26°D25	27 Mp 13	1 才 50	14 Y 47	T 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl decl	decl lat
T 1 W 2	18n 0 17 45	6 16 1 30	10 57 0 3	43 21n24 1s59 2 35 21 28 1 56 2	1 53 0 57	18 38 0 49	15 5 2 14	0 40 0 43	20n39 1 s33 20 39 1 33	13 17 16 1	1n 4 1 5	0n28 15 s28 0 30 15 29	8 14 2 20
T 3 F 4 S 5	17 30 17 14 16 58	2 18 0 21 1 s41 0n48 5 29 1 52	9 38 0 1	27 21 31 1 53 2 19 21 34 1 50 2 10 21 36 1 47 2	1 39 0 58	18 38 0 48 18 39 0 48 18 40 0 48	15 6 2 13	0 38 0 43	20 39 1 33 20 39 1 33 20 39 1 33	13 15 16 0	1 6 1 5 1 5	0 31 15 30 0 32 15 31 0 33 15 32	8 13 2 20
S 6 M 7 T 8 W 9 T 10	16 42 16 25 16 8 15 51 15 34	8 59 2 50 12 4 3 40 14 37 4 21 16 34 4 50 17 48 5 6	7 40 0s 7 1 0 1 6 22 0 2	1 21 38 1 44 2 9 21 39 1 41 2 18 21 39 1 38 2 28 21 39 1 34 2 38 21 39 1 31 2	1 17 0 59 1 9 0 59 1 1 1 0	18 42 0 47 18 43 0 47	15 8 2 12 15 8 2 12	0 34 0 43 0 33 0 43 0 32 0 43	20 39 1 33 20 40 1 33 20 40 1 33 20 40 1 33 20 40 1 33	13 12 15 59 13 11 15 58	1 4 1 4 1 5	0 35 15 32 0 36 15 33 0 37 15 34 0 39 15 35 0 40 15 36	8 13 2 20 8 12 2 20 8 12 2 20
F 11 S 12	15 16	18 15 5 10 17 51 4 59	5 7 0 4	48 21 37 1 28 2 58 21 36 1 25 2	0 45 1 1		15 10 2 11	0 30 0 43	20 40 1 33 20 40 1 33 20 40 1 33	13 9 15 58	1 9	0 40 13 36 0 41 15 37 0 42 15 38	8 11 2 20
S 13 M14 T 15 W16 T 17 F 18 S 19	14 40 14 22 14 3 13 45 13 26 13 6 12 47	16 35 4 34 14 29 3 54 11 36 3 2 8 4 1 59 4 3 0 48 0n13 0s27 4 32 1 41	3 19 1 1 2 44 1 3 2 10 1 4 1 37 1 5 1 5 2	30 21 27 1 15 2 40 21 23 1 11 2 51 21 19 1 8 1 2 21 13 1 4 1	0 19 1 2 0 10 1 2	18 48 0 46 18 49 0 45 18 50 0 45 18 51 0 45 18 52 0 45	15 14 2 10 15 15 2 10 15 16 2 10	0 26 0 43 0 24 0 43 0 23 0 43 0 22 0 43 0 21 0 42		13 6 15 57 13 5 15 57 13 4 15 56 13 3 15 56 13 2 15 56	1 16 1 18 1 19 1 20 1 20	0 44 15 39 0 45 15 40 0 46 15 41 0 47 15 42 0 49 15 43 0 50 15 44 0 51 15 45	8 10 2 20 8 9 2 20 8 9 2 20 8 8 2 20 8 8 2 20
S 20 M21 T 22 W23 T 24 F 25 S 26	11 27 11 7 10 47	18 8 5 14	0s23 2 3 0 49 2 4 1 15 2 5 1 38 3 2 0 3 1	24 21 1 0 57 1 34 20 54 0 54 1 45 20 47 0 51 1 55 20 39 0 47 1 5 20 30 0 44 1 15 20 21 0 40 1 25 20 11 0 37 1	9 14 1 4 9 4 1 4 8 54 1 5 8 44 1 5 8 34 1 5	18 56 0 44	15 19 2 9 15 20 2 8 15 21 2 8 15 23 2 8 15 24 2 8	0 17 0 42 0 15 0 42 0 14 0 42 0 13 0 42 0 11 0 42	20 41 1 34 20 41 1 34	12 59 15 55 12 58 15 55 12 57 15 54 12 56 15 54 12 55 15 54	1 19 1 18 1 18 1 19	0 52 15 46 0 54 15 47 0 55 15 48 0 56 15 49 0 57 15 50 0 59 15 51 1 0 15 52	8 6 2 20 8 5 2 20 8 5 2 21 8 4 2 21 8 3 2 21
S 27 M28 T 29 W30 T 31		14 22 3 54 11 20 2 58 7 44 1 53 3 50 0 43 0s10 0n28	2 52 3 4 3 4 3 5 3 14 3 5	43 19 50 0 30 1 52 19 39 0 27 1 59 19 27 0 23 1	8 3 1 6 7 52 1 7 7 42 1 7	19 7 0 42 19 9 0 42	15 26 2 7 15 27 2 7 15 28 2 7 15 29 2 7 15 31 2n 6	0 7 0 42 0 6 0 42 0 4 0 42	20 41 1 34 20 41 1 34 20 41 1 34	12 51 15 53	1 23 1 24 1 25 1 25 1n25	1 1 15 53 1 2 15 54 1 4 15 55 1 5 15 56 1n 6 15 s57	8 1 2 21 8 0 2 21 8 0 2 21

Julian Day Number = 2532110.5, Delta T = 184.52 sec Ecliptic obliquity = 23°24′29, Nutation = 0°00′01, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°49′23, Lahiri = 26°56′23

SEPTEMBER 2220 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
F 1	22 40 46	8 m 40'43	14 <u>₽</u> 2	28°R53	3 Ω 46	15 Ω 12	28MJ52	19 M 23	1 ≏ 34	12 I I19	4 Ω 25	26 m 26	27 m 10	1 ∡ 757	14°R45	F 1
S 2	22 44 42	9°38'42	26°20	28 m 43	4°57	15°51	28°59	19°27	1°38	12°20	4°27	26°27	27° 7	2° 4	14 Y 43	S 2
S	22 48 39	10°36'42	8M26	28°26	6° 8	16°29	29° 5	19°31	1°41	12°20	4°29	26°29	27° 4	2°10	14°41	S 3
M 4	22 52 35	11°34'44	20°23	28° 4	7°20	17° 7	29°12	19°35	1°45	12°21	4°32	26°30	27° 0	2°17	14°38	M 4
T 5	22 56 32	12°32'48	2 ~ 16	27°35	8°31	17°45	29°19	19°39	1°49	12°21	4°34	26°31	26°57	2°24	14°36	T 5
W 6	23 0 28	13°30'53	14° 9	27° 1	9°42	18°24	29°26	19°43	1°52	12°21	4°36	26°R31	26°54	2°30	14°34	W 6
T 7	23 4 25	14°28'59	26° 6	26°20	10°54	19° 2	29°34	19°47	1°56	12°22	4°38	26°31	26°51	2°37	14°32	T 7
F 8	23 8 22	15°27'07	8 ට 13	25°35	12° 6	19°40	29°41	19°51	1°59	12°22	4°40	26°30	26°48	2°44	14°29	F 8
S 9	23 12 18	16°25'16	20°34	24°44	13°17	20°18	29°49	19°56	2° 3	12°22	4°42	26°29	26°45	2°51	14°27	S 9
S 10	23 16 15	17°23'26	3≈12	23°50	14°29	20°56	29°56	20° 0	2° 7	12°22	4°45	26°28	26°41	2°57	14°25	S 10
M11	23 20 11	18°21'38	16° 9	22°53	15°41	21°34	0 , ₹ 4	20° 5	2°11	12°23	4°47	26°26	26°38	3° 4	14°22	M11
T 12	23 24 8	19°19'52	29°26	21°53	16°53	22°12	0°12	20° 9	2°14	12°23	4°49	26°26	26°35	3°11	14°20	T 12
W13	23 28 4	20°18'07	13) 4	20°53	18° 5	22°50	0°20	20°14	2°18	12°23	4°51	26°25	26°32	3°17	14°18	W13
T 14	23 32 1	21°16'24	27° 0	19°54	19°17	23°28	0°28	20°18	2°22	12°23	4°53	26°D25	26°29	3°24	14°15	T 14
F 15	23 35 57	22°14'43	11 Y 10	18°57	20°29	24° 6	0°37	20°23	2°25	12°R23	4°56	26°25	26°25	3°31	14°13	F 15
S 16	23 39 54	23°13'04	25°31	18° 2	21°41	24°44	0°45	20°28	2°29	12°23	4°58	26°25	26°22	3°38	14°10	S 16
S 17	23 43 50	24°11'26	9 8 57	17°13	22°53	25°22	0°53	20°33	2°33	12°23	5° 0	26°26	26°19	3°44	14° 8	S 17
M18	23 47 47	25° 9'51	24°24	16°30	24° 6	25°59	1° 2	20°38	2°37	12°23	5° 2	26°26	26°16	3°51	14° 5	M18
T 19	23 51 44	26° 8'18	8 Ⅱ 48	15°53	25°18	26°37	1°11	20°43	2°40	12°23	5° 5	26°26	26°13	3°58	14° 2	T 19
W20	23 55 40	27° 6'47	23° 4	15°25	26°31	27°15	1°20	20°48	2°44	12°22	5° 7	26°26	26°10	4° 4	14° 0	W20
T 21	23 59 37	28° 5'19	79510	15° 5	27°43	27°53	1°29	20°53	2°48	12°22	5° 9	26°26	26° 6	4°11	13°57	T 21
F 22	0 3 33	29° 3'52	21° 4	14°54	28°56	28°31	1°38	20°58	2°52	12°22	5°11	26°26	26° 3	4°18	13°55	F 22
S 23	0 7 30	0 ₾ 2'28	4 Ω 46	14°D53	0M0 9	29° 8	1°47	21° 4	2°56	12°22	5°14	26°26	26° 0	4°25	13°52	S 23
S 24	0 11 26	1° 1'06	18°14	15° 2	1°22	29°46	1°57	21° 9	2°59	12°21	5°16	26°27	25°57	4°31	13°49	S 24
M25	0 15 23	1°59'46	1 m) 29	15°21	2°35	0 m 24	2° 6	21°15	3° 3	12°21	5°18	26°27	25°54	4°38	13°47	M25
T 26	0 19 19	2°58'28	14°31	15°48	3°48	1° 1	2°16	21°20	3° 7	12°21	5°20	26°28	25°51	4°45	13°44	T 26
W27	0 23 16	3°57'12	27°19	16°25	5° 1	1°39	2°25	21°26	3°11	12°20	5°23	26°R28	25°47	4°51	13°41	W27
T 28	0 27 13	4°55'58	9 ≙ 54	17°11	6°14	2°16	2°35	21°31	3°15	12°20	5°25	26°28	25°44	4°58	13°38	T 28
F 29	0 31 9	5°54'46	22°16	18° 5	7°27	2°54	2°45	21°37	3°18	12°20	5°27	26°27	25°41	5° 5	13°36	F 29
S 30	0 35 6	6 ₽ 53'36	4 M .28	19 m 6	8 m /40	3 m 31	2 ₹ 55	21 M .43	3 <u>Ω</u> 22	12 Ⅱ 19	5 ≏ 30	26Mp26	25 m 38	5 √ 11	13 Y 33	S 30

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F 1 S 2	8n18 7 57	4s 3 1n36 7 42 2 38				19 s12 0n42 19 14 0 42			20n41 1 s34 20 41 1 34		1n25 1 24	1n 8 1 1 9 1	5 s 5 7 5 8	7n58 2n21 7 57 2 21
S 3 M 4 T 5 W 6	7 13	13 42 4 16 15 52 4 49	3 7 4 2	25 18 18 0 7 26 18 3 0 3		19 17 0 41 19 19 0 41	15 34 2 6 15 35 2 5 15 37 2 5 15 38 2 5	0 3 0 42 0 4 0 42		12 45 15 52 12 44 15 52	1 24 1 23 1 23 1 23	1 10 1 1 11 1 1 13 1 1 14 1	6 1	7 56 2 21 7 55 2 21 7 55 2 21 7 54 2 21
T 7 F 8 S 9	-	18 5 5 16 18 0 5 10 17 4 4 49	2 15 4 2 1 50 4 1	22 17 15 0 6 6 16 57 0 9	16 0 1 10 15 49 1 10	19 24 0 40 19 26 0 40	15 42 2 4	0 9 0 42 0 10 0 42	20 41 1 34	12 41 15 51 12 40 15 51	1 23 1 23 1 24	1 15 1 1 16 1 1 18 1	6 4 6 5	7 53 2 21 7 52 2 21 7 51 2 21
S 10 M11 T 12 W13 T 14 F 15 S 16	4 59 4 36 4 13 3 50 3 27 3 4 2 41	12 43 3 25 9 24 2 24	0 51 4 0 18 3 4 0n17 3 3 0 54 3 2	0 16 22 0 15 19 16 3 0 18 17 15 44 0 21 12 15 24 0 24 6 15 4 0 27	15 25 1 11 15 13 1 11 15 1 1 11 14 48 1 12 14 36 1 12	19 31 0 40 19 33 0 39 19 35 0 39	15 45 2 4 15 46 2 4 15 48 2 3 15 49 2 3 15 51 2 3	0 13 0 42 0 15 0 42 0 16 0 42 0 18 0 42 0 19 0 42		12 37 15 51 12 36 15 51 12 36 15 51 12 35 15 51	1 24 1 25 1 25 1 25 1 25 1 25 1 25 1 25	-	6 7 6 8 6 8	7 50 2 21 7 49 2 21 7 48 2 21 7 47 2 21 7 46 2 21 7 45 2 21 7 44 2 21
S 17 M18 T 19 W20 T 21 F 22 S 23	1 32 1 9 0 46	14 30 4 29 16 45 5 2 17 57 5 17 18 2 5 12 17 0 4 49	3 19 2 1 3 51 1 5 4 20 1 3 4 46 1 1 5 8 0 5	11 14 2 0 36 51 13 40 0 38 52 13 18 0 41 2 12 56 0 44	13 59 1 13 13 46 1 13 13 33 1 13 13 21 1 13 13 8 1 14	19 41 0 39 19 43 0 38 19 45 0 38 19 47 0 38 19 49 0 38 19 51 0 38 19 53 0 38	15 55 2 2 15 57 2 2 15 58 2 2 16 0 2 2 16 1 2 2	0 24 0 42 0 25 0 42 0 27 0 42 0 28 0 42 0 30 0 42	20 41 1 35 20 40 1 35	12 31 15 51 12 30 15 50 12 29 15 50 12 28 15 50	1 25 1 25 1 25 1 25 1 25 1 25 1 25 1 25	1 29 1 1 30 1 1 31 1		7 43 2 20 7 42 2 20 7 41 2 20 7 40 2 20 7 39 2 20 7 38 2 20 7 37 2 20
S 24 M25 T 26 W27 T 28 F 29 S 30	0 24 0 48 1 11 1 34 1 57 2 21 2 s44		5 48 0n 5 52 0 1 5 51 0 3 5 46 0 4 5 37 0 5	2 11 22 0 53 8 10 58 0 56 83 10 34 0 58 17 10 9 1 0 9 9 44 1 2	12 29 1 15 12 16 1 15 12 3 1 15 11 49 1 15	20 1 0 37 20 3 0 37 20 5 0 37	16 6 2 1 16 7 2 1 16 9 2 1 16 11 2 1	0 34 0 42 0 36 0 42 0 37 0 42 0 39 0 42 0 40 0 42	20 40 1 35 20 40 1 35 20 40 1 35 20 40 1 35 20 40 1 35	12 25 15 50 12 24 15 50 12 23 15 50	1 25 1 24 1 24 1 24 1 24 1 25 1n25	1 39 1 1 40 1	6 19 6 20 6 21 6 22 6 23	7 36 2 20 7 35 2 20 7 34 2 20 7 33 2 20 7 32 2 20 7 31 2 20 7 n29 2n20

Julian Day Number = 2532141.5, Delta T = 184.61 sec Ecliptic obliquity = 23°24'29, Nutation = -0°00'00, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°49'27, Lahiri = 26°56'28

OCTOBER 2220 00:00 UT

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Day	Sid.t	0	D	ğ	·	ď	4	ħ)∤(并	В	N.	v	Ç	ę,	Day
S 1	0 39 2	7 ჲ 52'28	16MJ30	20 m 15	9 m 53	4MD 9	3 √ 5	21 M .48	3 <u>₽</u> 26	12°R19	5 ₾ 32	26°R24	25 m/35	5 √ 18	13°R30	S 1
M 2	0 42 59	8°51'22	28°25	21°29	11° 7	4°46	3°15	21°54	3°30	12∏18	5°34	26 Mp 22	25°31	5°25	13 Y 28	M 2
T 3	0 46 55	9°50'17	10 ∡ 17	22°49	12°20	5°24	3°25	22° 0	3°33	12°18	5°36	26°20	25°28	5°32	13°25	T 3
W 4	0 50 52	10°49'15	22° 9	24°14	13°33	6° 1	3°36	22° 6	3°37	12°17	5°39	26°19	25°25	5°38	13°22	W 4
T 5	0 54 48	11°48'14	4궁 5	25°43	14°47	6°39	3°46	22°12	3°41	12°16	5°41	26°18	25°22	5°45	13°19	T 5
F 6	0 58 45	12°47'14	16° 9	27°16	16° 0	7°16	3°57	22°18	3°45	12°16	5°43	26°D18	25°19	5°52	13°17	F 6
S 7	1 2 42	13°46'17	28°27	28°52	17°14	7°53	4° 7	22°24	3°48	12°15	5°46	26°19	25°16	5°58	13°14	S 7
S 8	1 638	14°45'21	11≈ 3	0 ჲ 30	18°28	8°30	4°18	22°30	3°52	12°14	5°48	26°20	25°12	6° 5	13°11	S 8
M 9	1 10 35	15°44'27	24° 0	2°10	19°41	9° 8	4°29	22°36	3°56	12°13	5°50	26°21	25° 9	6°12	13° 8	M 9
T 10	1 14 31	16°43'35	7 ₩ 22	3°52	20°55	9°45	4°40	22°42	4° 0	12°13	5°52	26°23	25° 6	6°19	13° 6	T 10
W11	1 18 28	17°42'45	21° 9	5°35	22° 9	10°22	4°51	22°49	4° 3	12°12	5°55	26°R23	25° 3	6°25	13° 3	W11
T 12	1 22 24	18°41'56	5 Υ 20	7°19	23°23	10°59	5° 2	22°55	4° 7	12°11	5°57	26°23	25° 0	6°32	13° 0	T 12
F 13	1 26 21	19°41'10	19°52	9° 4	24°37	11°36	5°13	23° 1	4°11	12°10	5°59	26°22	24°56	6°39	12°57	F 13
S 14	1 30 17	20°40'25	4 8 39	10°49	25°51	12°13	5°24	23° 8	4°14	12° 9	6° 1	26°20	24°53	6°45	12°55	S 14
S 15	1 34 14	21°39'43	19°33	12°34	27° 5	12°50	5°36	23°14	4°18	12° 8	6° 3	26°16	24°50	6°52	12°52	S 15
M16	1 38 10	22°39'03	4 Ⅱ 27	14°19	28°19	13°27	5°47	23°21	4°22	12° 7	6° 6	26°13	24°47	6°59	12°49	M16
T 17	1 42 7	23°38'25	19°11	16° 4	29°33	14° 4	5°58	23°27	4°25	12° 6	6° 8	26° 9	24°44	7° 6	12°47	T 17
W18	1 46 4	24°37'50	39541	17°49	0 ჲ 47	14°41	6°10	23°34	4°29	12° 5	6°10	26° 7	24°41	7°12	12°44	W18
T 19	1 50 0	25°37'16	17°51	19°34	2° 1	15°18	6°22	23°40	4°33	12° 4	6°12	26° 5	24°37	7°19	12°41	T 19
F 20	1 53 57	26°36'46	1 Ω 42	21°18	3°15	15°55	6°33	23°47	4°36	12° 3	6°14	26°D 5	24°34	7°26	12°39	F 20
S 21	1 57 53	27°36'17	15°12	23° 2	4°30	16°32	6°45	23°53	4°40	12° 2	6°17	26° 6	24°31	7°33	12°36	S 21
S 22	2 1 50	28°35'51	28°23	24°45	5°44	17° 9	6°57	24° 0	4°43	12° 1	6°19	26° 8	24°28	7°39	12°33	S 22
M23	2 5 46	29°35'27	11 m)18	26°28	6°58	17°46	7° 9	24° 7	4°47	12° 0	6°21	26° 9	24°25	7°46	12°31	M23
T 24	2 9 43	0 M .35'05	23°59	28°10	8°13	18°23	7°21	24°14	4°51	11°59	6°23	26°R10	24°22	7°53	12°28	T 24
W25	2 13 39	1°34'45	6 ≏ 27	29°51	9°27	18°59	7°33	24°20	4°54	11°58	6°25	26° 9	24°18	7°59	12°25	W25
T 26	2 17 36	2°34'27	18°46	1 M .32	10°42	19°36	7°45	24°27	4°57	11°56	6°27	26° 7	24°15	8° 6	12°23	T 26
F 27	2 21 33	3°34'12	0 M .56	3°13	11°56	20°13	7°57	24°34	5° 1	11°55	6°29	26° 3	24°12	8°13	12°20	F 27
S 28	2 25 29	4°33'58	12°59	4°53	13°11	20°49	8° 9	24°41	5° 4	11°54	6°31	25°57	24° 9	8°20	12°18	S 28
S 29	2 29 26	5°33'47	24°56	6°32	14°26	21°26	8°21	24°48	5° 8	11°53	6°33	25°50	24° 6	8°26	12°15	S 29
M30	2 33 22	6°33'37	6 才 49	8°11	15°40	22° 3	8°34	24°55	5°11	11°51	6°36	25°42	24° 2	8°33	12°13	M30
T 31	2 37 19	7 M 33'29	18 ×7 40	9 M .49	16 ≏ 55	22 m 39	8 ∡ 746	25 m 1	5 ≏ 15	11 II 50	6 亞 38	25 m 34	23 m 59	8 ₮ 40	12 Υ 11	T 31

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	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl	decl	decl	decl lat
S 1 M 2 T 3 W 4 T 5 F 6	3 s 7 3 30 3 54 4 17 4 40 5 3	12 s52 4n 3 15 14 4 39 16 57 5 4 17 56 5 15 18 8 5 13 17 31 4 57		8 0 1 10 1 7 34 1 12 1 7 7 1 14 1	0 56 1 16 0 42 1 17 0 29 1 17 0 15 1 17	20s 9 0n36 20 11 0 36 20 13 0 36 20 16 0 36 20 18 0 36 20 20 0 35	16 17 2 0 16 19 2 0 16 21 2 0	0 46 0 42 0 48 0 42 0 49 0 42	20n40 1 s36 20 40 1 36 20 39 1 36 20 39 1 36 20 39 1 36 20 39 1 36	12 20 15 51 12 19 15 51 12 18 15 51 12 17 15 51	1n26 1 26 1 27 1 28 1 28 1 28	1 47 1 48 1 49 1 50	16 s 2 4 16 2 5 16 2 6 16 2 7 16 2 8 16 2 9	7n28 2n20 7 27 2 20 7 26 2 20 7 25 2 20 7 24 2 20 7 23 2 20
S 7 S 8 M 9 T 10 W11 T 12 F 13 S 14	5 26 5 48 6 11 6 34 6 57 7 19 7 41 8 4	16 4 4 28 13 50 3 45 10 50 2 49 7 12 1 43 3 4 0 29 1n22 0s49 5 49 2 6 9 59 3 15	2 11 1 53 1 33 1 55 0 54 1 55 0 14 1 55 0 s28 1 55 1 10 1 53 1 53 1 51	5 46 1 19 5 18 1 20 4 51 1 21 4 23 1 23 3 55 1 24 3 27 1 25	9 48 1 18 9 34 1 18 9 21 1 18 9 7 1 18 8 53 1 19 8 39 1 19 8 25 1 19	20 22 0 35 20 24 0 35 20 26 0 35 20 28 0 35 20 30 0 35 20 33 0 35 20 35 0 34	16 26 1 59 16 27 1 59 16 29 1 59 16 31 1 59 16 32 1 59 16 34 1 58	0 52 0 42 0 54 0 42 0 55 0 42 0 57 0 42 0 58 0 42 1 0 0 42 1 1 0 42	20 39 1 36	12 16 15 51 12 15 15 51 12 14 15 51 12 13 15 52 12 12 15 52 12 12 15 52 12 11 15 52	1 28 1 27 1 27 1 26 1 26 1 26 1 27 1 28	1 54 1 55 1 57 1 58 1 59 2 0	16 29 16 30 16 31 16 32 16 33 16 34 16 34 16 35	7 22 2 19 7 20 2 19 7 19 2 19 7 18 2 19 7 17 2 19 7 16 2 19 7 15 2 19 7 13 2 19
S 15 M16 T 17 W18 T 19 F 20 S 21	9 54 10 15	13 33 4 12 16 14 4 51 17 48 5 11 18 11 5 11 17 24 4 51 15 37 4 15 12 59 3 25	4 5 1 41 4 49 1 37 5 33 1 33 6 17 1 28 7 1 1 23	2 1 1 28 1 33 1 29 1 4 1 30 0 35 1 31 0 6 1 31	7 43 1 20 7 29 1 20 7 15 1 20		16 41 1 58 16 43 1 58 16 44 1 58 16 46 1 58	1 5 0 42 1 7 0 42 1 8 0 42 1 10 0 42 1 11 0 42	20 38 1 36 20 38 1 36 20 37 1 36	12 8 15 53 12 8 15 53 12 7 15 53 12 6 15 53	1 29 1 30 1 32 1 33 1 33 1 33 1 33	2 4 2 5 2 7 2 8	16 36 16 37 16 38 16 38 16 39 16 40 16 41	7 12 2 19 7 11 2 19 7 10 2 19 7 9 2 19 7 8 2 18 7 7 2 18 7 6 2 18
S 22 M23 T 24 W25 T 26 F 27 S 28	10 58 11 19 11 40 12 0 12 21 12 41 13 2	5 29 2 0 9 0 2 58 12 6 3 47	9 11 1 6 9 53 1 0 10 34 0 53 11 16 0 47 11 56 0 41 12 36 0 34	1 20 1 33 1 49 1 33 2 18 1 34 2 47 1 34 3 16 1 34 3 45 1 34	6 5 1 21 5 50 1 21 5 36 1 22 5 22 1 22 5 8 1 22 4 54 1 22	20 56 0 33 20 58 0 33 21 0 0 33 21 2 0 33 21 4 0 32 21 6 0 32	16 55 1 57 16 57 1 57 16 58 1 57 17 0 1 57 17 2 1 57	1 15 0 42 1 17 0 42 1 18 0 42 1 19 0 42 1 21 0 42 1 22 0 42	20 37 1 36 20 36 1 37 20 35 1 37	12 4 15 54 12 4 15 54 12 3 15 54 12 3 15 55 12 2 15 55 12 1 15 55	1 32 1 31 1 32 1 32 1 34 1 36	2 17 2 18 2 19	16 42 16 43 16 44 16 45 16 46 16 46	7 4 2 18 7 3 2 18 7 2 2 18 7 1 2 18 7 0 2 18 6 59 2 18 6 58 2 17
S 29 M30 T 31	13 41	16 37 4 52	13 15 0 27 13 53 0 21 14s31 0n14	4 43 1 34	-	21 10 0 32		1 25 0 42	20 35 1 37 20 35 1 37 20n35 1 s37	12 0 15 56		2 21 2 22 2n23	16 48	6 57 2 17 6 56 2 17 6n55 2n17

Julian Day Number = 2532171.5, Delta T = 184.70 sec Ecliptic obliquity = 23°24′29, Nutation = -0°00′02, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°49′31, Lahiri = 26°56′32

NOVEMBER 2220 00:00 UT

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W 1	2 41 15	8M33'23	0 ට 31	11 M 27	18 ♀ 10	23 m) 16	8 √ 59	25M 8	5 ≙ 18	11°R49	6 ₽ 40	25°R27	23 m 56	8 ∡ 746	12°R 8	W 1
T 2	2 45 12	9°33'19	12°26	13° 4	19°24	23°52	9°11	25°15	5°21	11 Ⅱ 47	6°42	25 m 21	23°53	8°53	12 ° 6	T 2
F 3	2 49 8	10°33'16	24°28	14°40	20°39	24°29	9°24	25°22	5°24	11°46	6°44	25°18	23°50	9° 0	12° 3	F 3
S 4	2 53 5	11°33'15	6≈42	16°16	21°54	25° 5	9°36	25°29	5°28	11°44	6°46	25°D16	23°47	9° 7	12° 1	S 4
S 5	2 57 2	12°33'15	19°11	17°52	23° 9	25°41	9°49	25°36	5°31	11°43	6°47	25°16	23°43	9°13	11°59	S 5
M 6	3 0 58	13°33'17	2) 2	19°27	24°24	26°18	10° 2	25°43	5°34	11°42	6°49	25°17	23°40	9°20	11°57	M 6
T 7	3 4 55	14°33'21	15°18	21° 2	25°38	26°54	10°14	25°50	5°37	11°40	6°51	25°19	23°37	9°27	11°54	T 7
W 8	3 8 51	15°33'26	29° 1	22°37	26°53	27°30	10°27	25°58	5°40	11°39	6°53	25°R19	23°34	9°33	11°52	W 8
T 9	3 12 48	16°33'33	13 Y 14	24°10	28° 8	28° 6	10°40	26° 5	5°44	11°37	6°55	25°17	23°31	9°40	11°50	T 9
F 10	3 16 44	17°33'41	27°54	25°44	29°23	28°43	10°53	26°12	5°47	11°36	6°57	25°14	23°28	9°47	11°48	F 10
S 11	3 20 41	18°33'51	12 8 54	27°17	0 M .38	29°19	11° 6	26°19	5°50	11°34	6°59	25° 8	23°24	9°54	11°46	S 11
S 12	3 24 37	19°34'03	28° 8	28°50	1°53	29°55	11°19	26°26	5°53	11°33	7° 1	25° 0	23°21	10° 0	11°44	S 12
M13	3 28 34	20°34'17	13 Ⅱ 24	0 х ⁷ 23	3° 8	0 ჲ 31	11°32	26°33	5°56	11°31	7° 2	24°51	23°18	10° 7	11°42	M13
T 14	3 32 31	21°34'33	28°31	1°55	4°23	1° 7	11°45	26°40	5°59	11°29	7° 4	24°43	23°15	10°14	11°40	T 14
W15	3 36 27	22°34'50	139520	3°26	5°38	1°43	11°58	26°47	6° 2	11°28	7° 6	24°36	23°12	10°20	11°38	W15
T 16	3 40 24	23°35'10	27°45	4°58	6°53	2°19	12°11	26°54	6° 4	11°26	7° 8	24°31	23° 8	10°27	11°36	T 16
F 17	3 44 20	24°35'31	11 Ω 43	6°29	8° 8	2°55	12°24	27° 2	6° 7	11°25	7° 9	24°28	23° 5	10°34	11°34	F 17
S 18	3 48 17	25°35'54	25°13	8° 0	9°24	3°31	12°37	27° 9	6°10	11°23	7°11	24°D27	23° 2	10°41	11°32	S 18
S 19	3 52 13	26°36'19	8 m /19	9°30	10°39	4° 6	12°50	27°16	6°13	11°21	7°13	24°27	22°59	10°47	11°31	S 19
M20	3 56 10	27°36'47	21° 4	11° 1	11°54	4°42	13° 4	27°23	6°16	11°20	7°14	24°R28	22°56	10°54	11°29	M20
T 21	4 0 6	28°37'15	3 ₾ 32	12°30	13° 9	5°18	13°17	27°30	6°18	11°18	7°16	24°28	22°53	11° 1	11°27	T 21
W22	4 4 3	29°37'46	15°48	14° 0	14°24	5°54	13°30	27°37	6°21	11°17	7°17	24°25	22°49	11° 8	11°26	W22
T 23	4 8 0	0 . ₹38'19	27°54	15°29	15°40	6°29	13°43	27°44	6°23	11°15	7°19	24°20	22°46	11°14	11°24	T 23
F 24	4 11 56	1°38'53	9 M .54	16°58	16°55	7° 5	13°57	27°52	6°26	11°13	7°21	24°12	22°43	11°21	11°22	F 24
S 25	4 15 53	2°39'28	21°49	18°26	18°10	7°40	14°10	27°59	6°29	11°12	7°22	24° 2	22°40	11°28	11°21	S 25
S 26	4 19 49	3°40'06	3 ∡ 742	19°54	19°25	8°16	14°23	28° 6	6°31	11°10	7°24	23°49	22°37	11°34	11°20	S 26
M27	4 23 46	4°40'44	15°34	21°21	20°41	8°51	14°37	28°13	6°33	11° 8	7°25	23°35	22°34	11°41	11°18	M27
T 28	4 27 42	5°41'24	2 <u>7</u> °26	22°48	21°56	9°27	14°50	28°20	6°36	11° 6	7°26	23°21	22°30	11°48	11°17	T 28
W29	4 31 39	6°42'06	9 조 20	24°14	23°11	10° 2	15° 4	28°27	6°38	1 <u>1</u> ° 5	7°28	23° 8	22°27	11°55	11°16	W29
T 30	4 35 35	7 , ₹42'48	21 る 17	25 × 39	24 M 27	10 ≏ 37	15 ∡ 17	28 M .34	6 ₽ 41	11 II 3	7 ≙ 29	22 Mp 58	22 Mp 24	12 ×7 1	11 Y 14	T 30

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W 1 T 2	14 s20 14 39			0n 7 5s40 0 0 6 8	1n34 3n3		21 s15 21 17	0n32 0 32		1n56 1 56	1 s27 1 29				11n59 15n5 11 59 15 5		2n24 2 26	16s50 16 50	6n53 2n 6 52 2	- 1
F 3 S 4	14 58 15 17			0s 6 6 37 0 13 7 5	1 33 3 3 1 33 3		21 19 21 21	0 32 0 31	17 12 17 14	1 56 1 56	1 30 1 31				11 58 15 5 11 58 15 5			16 51 16 52	6 51 2 6 50 2	- 1
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T 7 W 8	16 11 16 29	4 58 0 54 0 42 0 s 20		0 33 8 29 0 40 8 57	1 31 2 3 1 31 2		21 26 21 28	0 31 0 31		1 56 1 56	1 35 1 36			1 37 1 37				16 54 16 55	6 47 2 6 46 2	- 1
T 9 F 10 S 11	16 46 17 3 17 20	8 8 2 40	20 1	0 46 9 24 0 53 9 51 0 59 10 18	1 30 2 1 29 1 4 1 28 1 1	9 1 25	21 30 21 32 21 34	0 31	17 23 17 24 17 26	1 56 1 55 1 55	1 37 1 39 1 40	0 42	20 33	1 37	11 56 15 5 11 55 15 5 11 55 16	9 1 54	2 36	16 56 16 56 16 57	6 45 2 6 44 2 6 43 2	16
S 12 M13 T 14 W15	18 8	17 26 4 59 18 20 5 4	21 22 21 47	1 5 10 45 1 11 11 12 1 17 11 38 1 23 12 4	1 27 1 1 1 26 1 1 25 0 1 1 24 0 1	6 1 25	21 36 21 38 21 40 21 42	0 31 0 30 0 30 0 30	17 31	1 55 1 55 1 55 1 55	1 41 1 42 1 43 1 44	0 42 0 43	20 32 20 32	1 37 1 37 1 37 1 37	11 54 16	1 59 1 2 2 1 2 6 1 2 9	2 38 2 39 2 41 2 42	16 58 16 59 16 59 17 0	6 42 2 6 42 2 6 41 2 6 40 2	15 15
T 16 F 17 S 18	18 39 18 54 19 8	16 24 4 16 13 55 3 28	22 33 22 54	1 29 12 30 1 34 12 55 1 39 13 20	1 23 0 1 1 21 0 1 20 0s	4 1 26 9 1 26	21 43 21 45 21 47	0 30 0 30		1 55 1 55 1 55	1 45 1 47 1 48	0 43 0 43	20 31 20 31	1 37 1 37 1 37		2 2 11 2 2 12 3 2 12	2 43 2 44 2 46	17 2	6 39 2 6 38 2 6 37 2	15
W22 T 23 F 24	19 22 19 36 19 50 20 3 20 15 20 28 20 40	3 15 0 18 0s40 0n48 4 30 1 5 8 6 2 48 11 20 3 3	3 23 52 3 24 9 24 24 3 24 39 7 24 52	1 44 13 45 1 49 14 9 1 54 14 34 1 58 14 57 2 2 15 21 2 6 15 44 2 10 16 6	1 19 0 1 17 0 1 1 16 0 4 1 14 1 1 13 1 1 11 1 1	3 1 26 7 1 27 1 1 27 5 1 27 8 1 27	21 49 21 51 21 52 21 54 21 56 21 57 21 59	0 30 0 30 0 30 0 30 0 29 0 29 0 29	17 43 17 44 17 46 17 47	1 55 1 55 1 55 1 55 1 55 1 55 1 55	1 49 1 50 1 51 1 52 1 53 1 54 1 55	0 43 0 43 0 43 0 43 0 43	20 30 20 30 20 30 20 30 20 30 20 30	1 37 1 37 1 37 1 37 1 37 1 37 1 37	11 52 16 11 52 16 11 52 16 11 52 16	3 2 12 3 2 12 4 2 12 4 2 13 5 2 15 5 2 18 6 2 22	2 47 2 48 2 49 2 51 2 52 2 53 2 54	17 4 17 5 17 5 17 6 17 7	6 36 2 6 36 2 6 35 2 6 34 2 6 33 2 6 32 2 6 32 2	14 14 14 14 13
S 26 M27 T 28 W29	20 51 21 3 21 14	16 14 4 43 17 41 4 58 18 23 5 0 18 16 4 49	3 25 14 3 25 24 0 25 31 0 25 38	2 13 16 28 2 16 16 50 2 19 17 12 2 21 17 32 2 s23 17 s53	1 8 1 3 1 6 2 1 4 2 2 1 1 n 0 2 s	66 1 27 0 1 27 44 1 28 7 1 28	22 1 22 2 3 22 4	0 29 0 29 0 29 0 29	17 51 17 52 17 54	1 55 1 55 1 55 1 55 1 55 1 n55	1 56 1 57 1 58 1 58	0 43 0 43 0 43 0 43	20 29 20 29 20 29 20 28	1 37 1 37 1 37 1 37	11 51 16 11 51 16 11 51 16	5 2 27 7 2 33 7 2 38 8 2 43	2 56 2 57 2 58 2 59	17 8	6 31 2 6 30 2 6 30 2 6 30 2 6 29 2 6n28 2n	13 13 13 13

Julian Day Number = 2532202.5, Delta T = 184.80 sec Ecliptic obliquity = 23°24'29, Nutation = -0°00'03, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 27°49'35, Lahiri = $26^\circ56'36$

DECEMBER 2220 00:00 UT

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F 1	4 39 32	8 × ⁷ 43'32	3≈21	27 ×7 4	25 M 42	11 Ω 13	15 × 31	28 M .41	6 ₽ 43	11°R 1	7 ₽ 30	22°R50	22 m 21	12 ×7 8	11°R13	F 1
S 2	4 43 29	9°44'17	15°34	28°28	26°57	11°48	15°44	28°49	6°45	11 I 0	7°32	22 m 45	22°18	12°15	11 Y 12	S 2
S 3	4 47 25	10°45'03	28° 0	29°50	28°13	12°23	15°58	28°56	6°47	10°58	7°33	22°42	22°14	12°21	11°11	S 3
M 4	4 51 22	11°45'49	10) (45	1ਰ11	29°28	12°58	16°11	29° 3	6°49	10°56	7°34	22°D42	22°11	12°28	11°10	M 4
T 5	4 55 18	12°46'37	23°52	2°31	0 ∡ 744	13°33	16°25	29°10	6°51	10°55	7°36	22°R42	22° 8	12°35	11° 9	T 5
W 6	4 59 15	13°47'26	7 ℃ 25	3°49	1°59	14° 8	16°38	29°17	6°53	10°53	7°37	22°41	22° 5	12°42	11° 8	W 6
T 7	5 3 11	14°48'15	21°27	5° 5	3°14	14°43	16°52	29°24	6°55	10°51	7°38	22°39	22° 2	12°48	11° 7	T 7
F 8	5 7 8	15°49'05	5 8 57	6°19	4°30	15°18	17° 5	29°31	6°57	10°50	7°39	22°34	21°59	12°55	11° 6	F 8
S 9	5 11 4	16°49'56	20°53	7°31	5°45	15°53	17°19	29°38	6°59	10°48	7°40	22°26	21°55	13° 2	11° 5	S 9
S 10	5 15 1	17°50'48	6 I 8	8°39	7° 1	16°28	17°32	29°45	7° 1	10°46	7°41	22°16	21°52	13° 8	11° 5	S 10
M11	5 18 58	18°51'41	21°31	9°45	8°16	17° 2	17°46	29°51	7° 3	10°44	7°42	22° 4	21°49	13°15	11° 4	M11
T 12	5 22 54	19°52'36	6950	10°46	9°31	17°37	17°59	29°58	7° 4	10°43	7°43	21°53	21°46	13°22	11° 3	T 12
W13	5 26 51	20°53'31	21°53	11°43	10°47	18°11	18°13	0 , ₹ 5	7° 6	10°41	7°44	21°43	21°43	13°29	11° 3	W13
T 14	5 30 47	21°54'27	6Ω 32	12°34	12° 2	18°46	18°26	0°12	7° 8	10°39	7°45	21°35	21°40	13°35	11° 2	T 14
F 15	5 34 44	22°55'24	20°42	13°20	13°18	19°20	18°40	0°19	7° 9	10°38	7°46	21°30	21°36	13°42	11° 2	F 15
S 16	5 38 40	23°56'23	4 Mp 22	14° 0	14°33	19°55	18°53	0°26	7°11	10°36	7°47	21°27	21°33	13°49	11° 2	S 16
S 17	5 42 37	24°57'22	17°33	14°32	15°49	20°29	19° 7	0°32	7°12	10°35	7°48	21°27	21°30	13°56	11° 1	S 17
M18	5 46 33	25°58'23	0 ₽ 19	14°55	17° 4	21° 3	19°20	0°39	7°14	10°33	7°49	21°27	21°27	14° 2	11° 1	M18
T 19	5 50 30	26°59'24	12°45	15° 9	18°20	21°38	19°34	0°46	7°15	10°31	7°49	21°26	21°24	14° 9	11° 1	T 19
W20	5 54 27	28° 0'27	24°56	15°R14	19°35	22°12	19°47	0°52	7°16	10°30	7°50	21°24	21°20	14°16	11° 1	W20
T 21	5 58 23	2 <u>9</u> ° 1'30	6 M 57	15° 7	20°51	22°46	20° 1	0°59	7°18	10°28	7°51	21°18	21°17	14°22	11° 0	T 21
F 22	6 2 20	0궁 2'34	18°51	14°50	22° 6	23°20	20°14	1° 6	7°19	10°26	7°51	21°10	21°14	14°29	11°D 0	F 22
S 23	6 6 16	1° 3'40	0 ∡ 42	14°20	23°22	23°54	20°28	1°12	7°20	10°25	7°52	20°59	21°11	14°36	11° 0	S 23
S 24	6 10 13	2° 4'46	12°33	13°39	24°37	24°28	20°41	1°19	7°21	10°23	7°53	20°46	21° 8	14°43	11° 0	S 24
M25	6 14 9	3° 5'52	24°26	12°47	25°53	25° 1	20°55	1°25	7°22	10°22	7°53	20°31	21° 5	14°49	11° 1	M25
T 26	6 18 6	4° 6'59	6 ප 22	11°45	27° 8	25°35	21° 8	1°31	7°23	10°20	7°54	20°16	21° 1	14°56	11° 1	T 26
W27	6 22 2	5° 8'07	18°22	10°34	28°24	26° 9	21°21	1°38	7°24	10°19	7°54	20° 3	20°58	15° 3	11° 1	W27
T 28	6 25 59	6° 9'15	0≈27	9°17	29°39	26°42	21°35	1°44	7°25	10°17	7°55	19°51	20°55	15°10	11° 1	T 28
F 29	6 29 56	7°10'23	12°39	7°56	0 궁 55	27°16	21°48	1°51	7°26	10°16	7°55	19°42	20°52	15°16	11° 2	F 29
S 30	6 33 52	8°11'31	25° 0	6°33	2°10	27°49	22° 1	1°57	7°27	10°14	7°56	19°37	20°49	15°23	11° 2	S 30
S 31	6 37 49	9 궁 12'39	7 ∺ 32	5ਰ12	3 ප 26	28 ഫ 22	22 × 15	2 × 7 3	7 ≙ 27	10 I I13	7 ≏ 56	19 m /34	20 m 45	15 ₮ 30	11 ° 2	S 31

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S 3 M 4 T 5 W 6 T 7 F 8	22 2 22 10 22 18 22 26 22 33 22 39	6 33 1 3	25 50 2 25 48 2 25 45 2 25 41 2	2 26 18 51 0 55 2 26 19 9 0 52 2 25 19 27 0 50 2 24 19 45 0 48 2 22 20 1 0 46 3 19 20 17 0 44	3 45 1 28 3 59 1 29 4 12 1 29 4 26 1 29	22 12 0 29 22 13 0 28 22 15 0 28 22 16 0 28 22 18 0 28 22 19 0 28	18 3 1 55 18 5 1 55 18 6 1 55 18 8 1 55	2 3 0 43 2 3 0 43 2 4 0 43 2 5 0 43	20 27 1 37 20 27 1 37 20 27 1 37 20 27 1 37	11 51 16 11 11 51 16 11	2 53 2 54 2 54 2 54 2 55 2 57	3 4 17 13 3 6 17 14 3 7 17 14 3 8 17 15 3 9 17 16 3 11 17 17	6 26 2 12 6 26 2 12 6 25 2 11 6 25 2 11 6 24 2 11 6 24 2 11
S 9 S 10 M11 T 12 W13 T 14 F 15	22 51 22 56 23 1 23 6 23 10 23 13	16 34 4 48 18 9 5 0 18 24 4 50 17 21 4 20 15 10 3 33 12 8 2 35	25 19 2 25 10 2 24 59 2 24 47 1 24 34 1 24 21 1	1 21 16 0 35 54 21 30 0 33 46 21 42 0 30 37 21 54 0 28	5 5 1 29 5 19 1 29 5 32 1 29 5 45 1 29 5 58 1 30 6 11 1 30	22 22 0 28 22 23 0 28 22 24 0 28 22 26 0 28 22 27 0 28 22 28 0 28	18 13 1 55 18 15 1 55 18 16 1 55 18 18 1 55 18 19 1 55	2 7 0 43 2 8 0 43 2 8 0 43 2 9 0 43 2 10 0 43 2 10 0 43	20 26 1 37 20 26 1 37 20 25 1 37	11 51 16 14 11 51 16 15 11 51 16 15 11 51 16 16	3 17 3 20 3 22	3 12 17 17 3 13 17 18 3 14 17 19 3 16 17 19 3 17 17 20 3 18 17 21 3 19 17 21	6 23 2 11 6 23 2 11 6 22 2 10 6 22 2 10 6 22 2 10 6 21 2 10 6 21 2 10
S 16 S 17 M18 T 19 W20 T 21 F 22 S 23	23 24	4 36 0 21 0 35 0n47 3 s20 1 50 7 3 2 47 10 25 3 36 13 20 4 14	23 51 1 23 36 1 23 20 0 23 4 0 22 48 0 22 33 01	26 22 5 0 26 15 22 16 0 23 2 22 26 0 21 4 48 22 35 0 18 3 32 22 44 0 16 1 15 22 52 0 14 m 3 22 59 0 11 2 21 23 6 0 9	6 36 1 30 6 49 1 30 7 2 1 30 7 14 1 30 7 27 1 30 7 39 1 30	22 30 0 27 22 32 0 27 22 33 0 27 22 34 0 27 22 35 0 27 22 36 0 27	18 24 1 55 18 26 1 55 18 27 1 55	2 11 0 44 2 12 0 44 2 12 0 44 2 13 0 44 2 13 0 44 2 14 0 44	20 24 1 37 20 23 1 37	11 52 16 16 11 52 16 17 11 52 16 18 11 52 16 18 11 52 16 19 11 53 16 19 11 53 16 20 11 53 16 20	3 23 3 23 3 23 3 24 3 25 3 27 3 30 3 34	3 21 17 22 3 22 17 23 3 23 17 23 3 24 17 24 3 26 17 25 3 27 17 25 3 28 17 26 3 29 17 26	6 21 2 9 6 20 2 9 6 20 2 9 6 20 2 9 6 19 2 9 6 19 2 9 6 19 2 8 6 19 2 8
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	23 22 23 21 23 18 23 16	18 27 4 48 17 47 4 25 16 18 3 49 14 4 3 2 11 11 2 6	21 47 1 21 33 1 21 20 1 21 7 1 20 55 2 20 45 2	0 41 23 12 0 6 1 23 17 0 4 21 23 21 0 2 40 23 25 0s 1 58 23 28 0 3 15 23 30 0 6 3 30 23 32 0 8 143 23 832 0s11	8 16 1 30 8 28 1 31 8 40 1 31 8 52 1 31 9 4 1 31 9 16 1 31	22 39 0 27 22 40 0 27 22 41 0 27 22 42 0 27 22 43 0 27 22 44 0 26	18 33 1 55 18 34 1 56 18 36 1 56	2 15 0 44 2 15 0 44 2 16 0 44 2 16 0 44 2 16 0 44 2 17 0 44	20 23 1 37 20 23 1 37 20 22 1 37 20 22 1 37 20 22 1 36 20 22 1 36	11 53 16 21 11 54 16 21 11 54 16 22 11 54 16 23 11 55 16 23 11 55 16 24 11 55 16 24 11 155 16 24	3 39 3 45 3 51 3 56 4 1 4 4 4 6 4n 7	3 31 17 27 3 32 17 28 3 33 17 28 3 34 17 29 3 36 17 30 3 37 17 30 3 38 17 31 3n39 17s31	6 19 2 8 6 19 2 8 6 19 2 8 6 18 2 7 6 18 2 7 6 18 2 7 6 18 2 7 6 18 2 7

Julian Day Number = 2532232.5, Delta T = 184.89 sec Ecliptic obliquity = $23^{\circ}24'28$, Nutation = - $0^{\circ}00'03$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $27^{\circ}49'40$, Lahiri = $26^{\circ}56'40$