

Astrodienst Ephemeris Tables for the year 1610

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 1610 GC 00:00 UT

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F 1	6 41 40	10 ට 33'45	17) 3	17 ₹ 28	8 √ 41	28 M .57	13°R 9	10≈19	10°R 2	19°R54	1°R 2	17935	1899 3	24M29	28 × 746	F 1
S 2	6 45 37	11°34'56	0 Υ 34	18°25	9°56	29°38	13 I I 3	10°25	9П59	19 m 54	18 1	17°35	17°59	24°36	28°53	S 2
S 3	6 49 33	12°36'06	14°22	19°26	11°10	0 ∡ 19	12°57	10°32	9°57	19°53	1° 1	17°R35	17°56	24°42	28°59	S 3
M 4	6 53 30	13°37'16	28°27	20°30	12°24	1° 0	12°51	10°38	9°55	19°53	1° 1	17°35	17°53	24°49	29° 5	M 4
T 5	6 57 26	14°38'25	12849	21°36	13°38	1°41	12°45	10°45	9°53	19°52	1° 1	17°35	17°50	24°56	29°11	T 5
W 6	7 1 23	15°39'33	27°23	22°45	14°52	2°22	12°39	10°52	9°51	19°52	1° 0	17°35	17°47	25° 3	29°18	W 6
T 7	7 5 19	16°40'41	12 II 6	23°55	16° 7	3° 4	12°33	10°59	9°50	19°51	1° 0	17°35	17°44	25° 9	29°24	T 7
F 8	7 9 16	17°41'48	26°51	25° 8	17°21	3°45	12°28	11° 5	9°48	19°51	1° 0	17°D35	17°40	25°16	29°30	F 8
S 9	7 13 12	18°42'55	119532	26°23	18°35	4°26	12°23	11°12	9°46	19°50	1° 0	17°R35	17°37	25°23	29°36	S 9
S 10	717 9	19°44'01	26° 1	27°39	19°49	5° 7	12°18	11°19	9°44	19°49	1° 0	17°35	17°34	25°29	29°42	S 10
M11	7 21 6	20°45'07	10 Ω 13	28°56	21° 4	5°48	12°13	11°26	9°42	19°49	1° 0	17°35	17°31	25°36	29°49	M11
T 12	7 25 2	21°46'12	24° 3	0 궁 15	22°18	6°30	12° 8	11°33	9°41	19°48	1° 0	17°34	17°28	25°43	29°55	T 12
W13	7 28 59	22°47'17	7 ™ 29	1°36	23°32	7°11	12° 3	11°40	9°39	19°47	1° 0	17°34	17°25	25°49	0ට 1	W13
T 14	7 32 55	23°48'21	20°32	2°57	24°47	7°52	11°59	11°47	9°37	19°47	1° 0	17°33	17°21	25°56	0° 7	T 14
F 15	7 36 52	24°49'25	3 ≏ 12	4°19	26° 1	8°34	11°55	11°54	9°36	19°46	1°D 0	17°32	17°18	26° 3	0°13	F 15
S 16	7 40 48	25°50'29	15°34	5°43	27°16	9°15	11°51	12° 1	9°34	19°45	1° 0	17°32	17°15	26° 9	0°19	S 16
S 17	7 44 45	26°51'32	27°41	7° 7	28°30	9°57	11°47	12° 8	9°33	19°44	1° 0	17°D31	17°12	26°16	0°25	S 17
M18	7 48 41	27°52'34	9 M .37	8°32	29°45	10°38	11°43	12°15	9°31	19°43	1° 0	17°32	17° 9	26°23	0°31	M18
T 19	7 52 38	28°53'36	21°28	9°58	0 궁 59	11°19	11°40	12°22	9°30	19°43	1° 0	17°32	17° 5	26°30	0°37	T 19
W20	7 56 35	29°54'38	3 ∡ 18	11°25	2°13	12° 1	11°36	12°29	9°28	19°42	1° 0	17°34	17° 2	26°36	0°42	W20
T 21	8 0 31	0≈55'39	15°12	12°53	3°28	12°42	11°33	12°36	9°27	19°41	1° 0	17°35	16°59	26°43	0°48	T 21
F 22	8 4 28	1°56'39	27°13	14°21	4°42	13°24	11°30	12°43	9°26	19°40	1° 0	17°36	16°56	26°50	0°54	F 22
S 23	8 8 24	2°57'38	9 궁 25	15°51	5°57	14° 6	11°28	12°50	9°24	19°39	1° 0	17°37	16°53	26°56	1° 0	S 23
S 24	8 12 21	3°58'37	21°49	17°21	7°11	14°47	11°25	12°57	9°23	19°38	1° 1	17°R37	16°50	27° 3	1° 5	S 24
M25	8 16 17	4°59'34	4≈28	18°51	8°26	15°29	11°23	13° 5	9°22	19°37	1° 1	17°36	16°46	27°10	1°11	M25
T 26	8 20 14	6° 0'31	17°22	20°23	9°41	16°10	11°21	13°12	9°21	19°36	1° 1	17°35	16°43	27°16	1°17	T 26
W27	8 24 11	7° 1'26	0 ∺ 31	21°55	10°55	16°52	11°19	13°19	9°20	19°34	1° 1	17°32	16°40	27°23	1°22	W27
T 28	8 28 7	8° 2'20	13°54	23°28	12°10	17°34	11°17	13°26	9°19	19°33	1° 2	17°29	16°37	27°30	1°28	T 28
F 29	8 32 4	9° 3'13	27°29	25° 1	13°24	18°15	11°16	13°33	9°18	19°32	1° 2	17°26	16°34	27°36	1°33	F 29
S 30	8 36 0	10° 4'04	11 Y 15	26°36	14°39	18°57	11°14	13°41	9°17	19°31	1° 2	17°23	16°31	27°43	1°39	S 30
S 31	8 39 57	11≈ 4'54	25 Y 11	28 ਰ 11	15 る 53	19 × 39	11 I I13	13≈48	9 П 16	19 m /30	1 8 3	179521	169527	27 M 50	1 石 44	S 31

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F 1 S 2	23 s 4 22 59		4 20 s 5 6 4 21 10			19 s41 19 51		21n56 21 55	0 s30 0 30	18 s 3 4 18 3 2		22n 0 21 59				3 s42 16 s34 3 42 16 33					5n39 5 39
S 3 M 4 T 5 W 6 T 7	22 53 22 47 22 41 22 34 22 27	6 5 5 1 11 9 4 4 15 39 4	7 21 24 2 21 38 7 21 51 4 22 4 5 22 17	1 31 2 1 22 2 1 13 2	21 3 1 18 21 14 1 15 21 25 1 13		0 15 0 14 0 14	21 54 21 54 21 53 21 53 21 52	0 30 0 29 0 29		0 54 0 54 0 54 0 54 0 54	21 59 21 58 21 58	0 0 0 0 0 0	5 7 1 5 7 1 5 7 1	12 3 12 3 12 3		22 20 22 20 22 20	22 17 22 18 22 18	15 1 15 3 15 5	17 50 17 50 17 49 17 49 17 49	5 39 5 40 5 40 5 40 5 40
F 8 S 9	22 19 22 11	21 34 1 5	3 22 28 4 22 40	0 56 2	1 46 1 8	20 44 20 53	0 12	21 52 21 51	0 29	18 21 18 19	0 54 0 54	21 58	0 0 0			3 40 16 31 3 40 16 31	22 20	22 19	15 9	17 49 17 49	5 40 5 41
S 10 M11 T 12 W13 T 14 F 15 S 16	22 2 21 53 21 43 21 34 21 23 21 12 21 1	19 41 2 16 30 3 12 32 4 8 5 4 4 3 25 5	7 22 50 2 23 0 9 23 8 3 23 16 3 23 23 7 23 29 7 23 33	0 29 2 0 21 2 0 13 2 0 4 2 0s 4 2	22 25 0 55 22 31 0 52 22 37 0 49		0 10 0 10 0 9 0 8 0 8	21 51 21 50 21 50 21 49 21 49 21 49 21 48	0 28 0 28 0 28 0 28 0 28 0 27 0 27	18 15 18 13 18 12 18 10 18 8	0 54 0 54 0 54 0 54 0 54 0 54 0 54	21 57 21 56 21 56 21 56	0 0 0	5 9 1 5 9 1 5 9 1 5 10 1 5 10 1	12 3 12 3 12 3 12 3 12 3	3 40 16 31 3 39 16 30 3 39 16 30 3 39 16 30 3 38 16 29 3 38 16 29 3 38 16 29	22 20 22 20 22 20 22 20 22 20 22 20	22 20 22 21 22 21 22 22 22 22	15 16 15 18 15 20 15 22 15 24	17 48 17 48 17 48 17 47 17 47	5 41 5 41 5 41 5 42 5 42 5 42 5 43
S 17 M18 T 19 W20 T 21 F 22 S 23	20 13 20 0 19 46	10 4 4 5 13 55 4 2 17 14 3 4 19 51 2 5 21 37 1 5	2 23 37 4 23 39 3 23 40 2 23 40 0 23 39 1 23 37 5 23 33	0 26 2 0 34 2 0 41 2 0 47 2 0 54 2	22 48 0 41 22 51 0 38 22 53 0 35 22 54 0 33 22 55 0 30		0 5 0 5 0 4 0 3 0 2	21 48 21 48 21 48 21 47 21 47 21 47 21 47	0 27 0 26 0 26 0 26	18 2	0 54 0 55 0 55 0 55 0 55 0 55 0 55	21 55 21 55 21 55 21 55	0 0 0 0 0 0 0 0 0 0	5 11 1 5 11 1 5 12 1 5 12 1 5 13 1	12 3 12 3 12 3 12 3 12 3	3 37 16 28 3 37 16 28 3 37 16 27 3 36 16 27 3 35 16 26 3 35 16 26	22 20 22 20 22 20 22 20 22 20 22 20	22 23 22 24 22 24 22 24 22 25	15 30 15 32 15 34 15 36 15 38	17 46 17 46 17 46 17 45 17 45	5 43 5 43 5 43 5 44 5 44 5 44 5 45
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	18 49 18 33	20 40 1 3. 18 9 2 3 14 40 3 3 10 23 4 2 5 31 4 5 0 20 5 1	3 23 28 2 23 21 7 23 13 5 23 4 2 22 54 6 22 42 3 22 29 2 22 s14	1 12 2 1 18 2 1 23 2 1 28 2 1 33 2 1 38 2	22 52 0 21 22 50 0 18 22 47 0 16 22 43 0 13 22 39 0 10 22 34 0 7	22 47 22 52 22 56 23 1 23 5	0 0 0 s 1 0 1 0 2 0 3 0 4	21 47 21 46 21 46 21 46 21 46 21 46 21 46 21 46	0 25 0 25 0 25 0 25 0 25 0 25 0 24	17 46 17 44		21 54 21 54 21 54 21 54	0 0 0 0 0 0 0 0 0 0	5 14 1 5 14 1 5 15 1 5 15 1 5 16 1 5 16 1	13 3 13 13 13 13 13 13 13 13 13 13 13 13	3 35 16 26 3 34 16 25 3 34 16 25 3 33 16 25 3 33 16 24 3 32 16 24 3 \$32 16 \$23	22 20 22 20 22 20 22 21 22 21 22 21	22 26 22 26 22 27 22 27 22 28 22 28	15 45 15 47 15 49 15 51 15 53 15 55	17 44 17 43 17 43 17 42 17 42 17 41	5 45 5 45 5 46 5 46 5 47 5 47 5 47

 $\label{eq:Julian Day Number = 2309100.5, Delta T = 76.67 sec} \\ Ecliptic obliquity = 23°29'21, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°17'50, Lahiri = 18°24'50Greg. Calendar$

FEBRUARY 1610 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(并	В	S.	v	Ç	ķ	Day
M 1	8 43 53	12≈ 5'42	9814	29 궁 47	17중 8	20 × ⁷ 21	11°R12	13≈55	9°R16	19°R29	1 8 3	17°D20	169524	27 M 57	1 る 49	M 1
T 2	8 47 50	13° 6'29	23°23	1≈23	18°22	21° 2	11 II 12	14° 2	9 Ⅱ 15	19 m)27	1° 3	179520	16°21	28° 3	1°55	T 2
W 3	8 51 46	14° 7'15	7 Ⅱ 37	3° 1	19°37	21°44	11°11	14° 9	9°14	19°26	1° 4	17°22	16°18	28°10	2° 0	W 3
T 4	8 55 43	15° 7'58	21°53	4°39	20°51	22°26	11°11	14°17	9°13	19°25	1° 4	17°23	16°15	28°17	2° 5	T 4
F 5	8 59 40	16° 8'40	699 9	6°18	22° 6	23° 8	11°D11	14°24	9°13	19°23	1° 5	17°24	16°11	28°23	2°10	F 5
S 6	9 3 36	17° 9'21	20°21	7°58	23°20	23°50	11°11	14°31	9°12	19°22	1° 5	17°R25	16° 8	28°30	2°15	S 6
S 7	9 7 33	18°10'00	4 Ω 25	9°38	24°35	24°31	11°12	14°38	9°12	19°21	1° 6	17°24	16° 5	28°37	2°20	S 7
M 8	9 11 29	19°10'37	18°18	11°20	25°50	25°13	11°12	14°45	9°11	19°19	1° 6	17°21	16° 2	28°43	2°25	M 8
T 9	9 15 26	20°11'13	1 m 56	13° 2	27° 4	25°55	11°13	14°53	9°11	19°18	1° 7	17°17	15°59	28°50	2°30	T 9
W10	9 19 22	21°11'47	15°15	14°45	28°19	26°37	11°14	15° 0	9°11	19°17	1° 7	17°11	15°56	28°57	2°35	W10
T 11	9 23 19	22°12'20	28°16	16°29	29°33	27°19	11°15	15° 7	9°10	19°15	1° 8	17° 5	15°52	29° 3	2°40	T 11
F 12	9 27 15	23°12'52	10 ≏ 57	18°14	0≈48	28° 1	11°16	15°14	9°10	19°14	1° 8	16°59	15°49	29°10	2°45	F 12
S 13	9 31 12	24°13'22	23°21	20° 0	2° 2	28°43	11°18	15°21	9°10	19°12	1° 9	16°54	15°46	29°17	2°49	S 13
S 14	9 35 8	25°13'51	5 M .30	21°47	3°17	29°25	11°19	15°28	9°10	19°11	1°10	16°50	15°43	29°23	2°54	S 14
M15	9 39 5	26°14'19	17°27	23°35	4°32	0중 7	11°21	15°35	9°10	19° 9	1°10	16°48	15°40	29°30	2°59	M15
T 16	9 43 2	27°14'45	29°19	25°23	5°46	0°49	11°24	15°43	9°D10	19°8	1°11	16°D47	15°37	29°37	3° 3	T 16
W17	9 46 58	28°15'10	11 × 7 9	27°13	7° 1	1°32	11°26	15°50	9°10	19° 6	1°12	16°48	15°33	29°44	3° 8	W17
T 18	9 50 55	29°15'33	23° 3	29° 3	8°15	2°14	11°28	15°57	9°10	19° 5	1°12	16°50	15°30	29°50	3°12	T 18
F 19	9 54 51	0 ₩ 15'55	5중 6	0 ¥ 55	9°30	2°56	11°31	16° 4	9°10	19° 3	1°13	16°51	15°27	29°57	3°16	F 19
S 20	9 58 48	1°16'16	17°22	2°47	10°44	3°38	11°34	16°11	9°10	19° 2	1°14	16°R52	15°24	0 ∡ 7 4	3°21	S 20
S 21	10 2 44	2°16'35	29°56	4°40	11°59	4°20	11°37	16°18	9°11	19° 0	1°15	16°51	15°21	0°10	3°25	S 21
M22	10 641	3°16'52	12≈49	6°33	13°14	5° 2	11°40	16°25	9°11	18°58	1°15	16°48	15°17	0°17	3°29	M22
T 23	10 10 37	4°17'08	26° 3	8°28	14°28	5°45	11°44	16°32	9°11	18°57	1°16	16°43	15°14	0°24	3°33	T 23
W24	10 14 34	5°17'22	9 米 36	10°23	15°43	6°27	11°47	16°39	9°12	18°55	1°17	16°36	15°11	0°30	3°37	W24
T 25	10 18 31	6°17'34	23°26	12°18	16°57	7° 9	11°51	16°46	9°12	18°54	1°18	16°27	15° 8	0°37	3°41	T 25
F 26	10 22 27	7°17'44	7 Ƴ 30	14°13	18°12	7°51	11°55	16°53	9°13	18°52	1°19	16°19	15° 5	0°44	3°45	F 26
S 27	10 26 24	8°17'52	21°42	16° 9	19°26	8°34	11°59	17° 0	9°13	18°50	1°20	16°11	15° 2	0°50	3°49	S 27
S 28	10 30 20	9) 17'58	5 8 58	18 ¥ 5	20≈41	9 ට 16	12 II 4	17≈ 7	9∏14	18 m /49	1821	1695 5	149558	0 ∡ 757	3 ප 52	S 28

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M 1	17 s12	9n59	4 s 5 2	21 s58	1 s46	22 s22	0n 2	23 s13	0s 5	21n46	0 s24	17s34	0s55	21n53	0s 0	5n17	1n13	3 s 3 1	16 s23	22n22	22n29	15 s 5 9	17s41	5n48
T 2	16 55	14 33	4 15	21 40	1 49	22 15	0 s 1	23 17	0 6	21 47	0 24	17 32	0 55	21 53	0 0	5 18	1 13	3 31	16 22	22 22	22 29	16 1	17 40	5 48
W 3	16 38	18 19	3 21	21 21	1 52	22 7	0 4	23 21	0 7	21 47	0 24	17 30	0 55	21 53	0 0	5 18	1 13	3 30	16 22	22 22	22 30	16 3	17 40	5 49
T 4	16 20	20 59	2 16	21 0	1 55	21 58	0 6	23 24	0 8	21 47	0 23	17 28	0 55	21 53	0 0	5 19	1 13	3 30	16 22	22 21	22 30	16 5	17 39	5 49
F 5	16 2	22 19	1 1	20 38	1 58	21 49	0 9	23 27	0 9	21 47	0 23	17 26	0 56	21 53	0 0	5 20	1 13	3 29	16 21	22 21	22 30	16 7	17 39	5 50
S 6	15 44	22 13	0n16	20 15	2 0	21 40	0 12	23 30	0 9	21 47	0 23	17 24	0 56	21 53	0 0	5 20	1 13	3 29	16 21	22 21	22 31	16 9	17 38	5 50
S 7	15 25	20 41	1 32	19 50	2 2	21 29	0 14	23 33	0 10	21 47	0 23	17 22	0 56	21 53	0 0	5 21	1 13	3 28	16 21	22 21	22 31	16 11	17 38	5 51
M 8	15 6	17 56	2 41	19 24	2 3	21 18	0 17	23 35	0 11	21 48	0 23	17 20	0 56	21 52	0 0	5 21	1 13	3 28	16 20	22 22	22 31	16 13	17 37	5 51
T 9	14 47	14 13	3 39	18 56	2 5	21 7	0 20	23 38	0 12	21 48	0 22	17 18	0 56	21 52	0 0	5 22	1 13	3 27	16 20	22 22	22 32	16 15	17 37	5 51
W10	14 28	9 53	4 24	18 26	2 5	20 54	0 22	23 40	0 13	21 48	0 22	17 16	0 56	21 52	0n 0	5 22	1 13	3 27	16 20	22 23	22 32	16 17	17 36	5 52
T 11	14 8	5 12	4 55	17 55	2 5	20 41	0 25	23 41	0 14	21 49	0 22	17 14	0 56	21 52	0 0	5 23	1 13	3 26	16 19	22 24	22 33	16 19	17 35	5 52
F 12	13 49	0 24	5 9	17 23	2 5	20 28	0 27	23 43	0 15	21 49	0 22	17 12	0 56	21 52	0 0	5 24	1 13	3 26	16 19	22 24	22 33	16 21	17 35	5 53
S 13	13 28	4s18	5 9	16 49	2 5	20 14	0 30	23 44	0 15	21 50	0 22	17 10	0 56	21 52	0 0	5 24	1 13	3 25	16 19	22 25	22 33	16 23	17 34	5 53
S 14	13 8	8 45	4 55	16 13	2 4	19 59	0 32	23 46	0 16	21 50	0 21	17 8	0 56	21 52	0 0	5 25	1 13	3 25	16 18	22 26	22 34	16 25	17 34	5 54
M15	12 48	12 47	4 28	15 36	2 2	19 44	0 35	23 47	0 17	21 50	0 21	17 6	0 56	21 52	0 0	5 25	1 13	3 24	16 18	22 26	22 34	16 27	17 33	5 54
T 16	12 27	16 18	3 50	14 58	2 0	19 28	0 37	23 47	0 18	21 51	0 21	17 3	0 56	21 52	0 0	5 26	1 13	3 24	16 18	22 26	22 34	16 29	17 33	5 55
W17	12 6	19 10	3 2	14 18	1 57	19 11	0 39	23 48	0 19	21 51	0 21	17 1	0 56	21 52	0 0	5 27	1 13	3 23	16 17	22 26	22 35	16 31	17 32	5 55
T 18	11 45	21 13	2 6	13 37	1 54	18 54	0 42	23 48	0 20	21 52	0 21	16 59	0 57	21 52	0 0	5 27	1 13	3 23	16 17	22 26	22 35	16 33	17 31	5 56
F 19	11 24	22 20	1 3	12 54	1 51	18 37	0 44	23 48	0 21	21 52	0 20	16 57	0 57	21 52	0 0	5 28	1 13	3 22	16 17	22 25	22 36	16 35	17 31	5 56
S 20	11 3	22 24	0s 3	12 10	1 47	18 19	0 46	23 48	0 22	21 53	0 20	16 55	0 57	21 52	0 0	5 29	1 13	3 22	16 17	22 25	22 36	16 37	17 30	5 57
S 21	10 41	21 21	1 10	11 24	1 42	18 0	0 48	23 48	0 23	21 54	0 20	16 53	0 57	21 52	0 0	5 29	1 13	3 21	16 16	22 25	22 36	16 39	17 30	5 57
M22	10 19	19 10	2 16	10 37	1 37	17 41	0 50	23 47	0 24	21 54	0 20	16 51	0 57	21 53	0 0	5 30	1 13	3 21	16 16	22 26	22 37	16 41	17 29	5 58
T 23	9 58	15 55	3 15	9 49	1 31	17 22	0 52	23 46	0 25	21 55	0 20	16 49	0 57	21 53	0 0	5 30	1 13	3 20	16 16	22 26	22 37	16 43	17 28	5 58
W24	9 35	11 46	4 5	9 0	1 24	17 1	0 54	23 45	0 26	21 56	0 19	16 47	0 57	21 53	0 0	5 31	1 13	3 20	16 15	22 27	22 37	16 45	17 28	5 59
T 25	9 13	6 56	4 42	8 9	1 17	16 41	0 56	23 44	0 26	21 56	0 19	16 45	0 57	21 53	0 0	5 32	1 13	3 19	16 15	22 28	22 38	16 47	17 27	5 59
F 26	8 51	1 39	5 3	7 18	1 10	16 20	0 58	23 43	0 27	21 57	0 19	16 43	0 57	21 53	0 0	5 32	1 13	3 18	16 15	22 29	22 38	16 49	17 26	6 0
S 27	8 29	3n45	5 5	6 25	1 1	15 58	1 0	23 41	0 28	21 58	0 19	16 41	0 57	21 53	0 0	5 33	1 13	3 18	16 14	22 30	22 38	16 51	17 26	6 1
S 28	8s 6	9n 0	4 s48	5 s32	0 s 5 2	15 s36	1 s 2	23 s39	0 s 2 9	21n58	0s19	16s39	0 s 5 8	21n53	0n 0	5n34	1n13	3 s 1 7	16s14	22n31	22n39	16s53	17 s25	6n 1

Julian Day Number = 2309131.5, Delta T = 76.57 sec Ecliptic obliquity = 23°29'21, Nutation = -0°00'15, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°17'54, Lahiri = 18° 24'55Greg. Calendar

MARCH 1610 GC 00:00 UT

LIVIN	'II TOT	uc													00.0	0 01
Day	Sid.t	0	D	ğ	φ	ð	4	ħ)∤(¥	Р	S.	ß	Ç	ķ	Day
M 1	10 34 17	10) 18'02	20813	20 米 0	21≈55	9 ට 58	12 II 8	17≈13	9 Ⅱ 15	18°R47	1822	16°R 0	149555	1 才 4	3 ප 56	M 1
T 2	10 38 13	11°18'03	4 Ⅱ 25	21°54	23°10	10°41	12°13	17°20	9°15	18 M 45	1°22	159559	14°52	1°10	3°59	T 2
W 3	10 42 10	12°18'03	18°31	23°48	24°24	11°23	12°18	17°27	9°16	18°44	1°23	15°D59	14°49	1°17	4° 3	W 3
T 4	10 46 6	13°18'00	2931	25°40	25°39	12° 5	12°23	17°34	9°17	18°42	1°24	15°59	14°46	1°24	4° 6	T 4
F 5	10 50 3	14°17'55	16°24	27°31	26°53	12°48	12°28	17°40	9°18	18°41	1°25	16°R 0	14°42	1°30	4°10	F 5
S 6	10 54 0	15°17'48	0Ω10	29°19	28° 8	13°30	12°34	17°47	9°19	18°39	1°26	15°59	14°39	1°37	4°13	S 6
S 7	10 57 56	16°17'39	13°47	1 ⋎ 5	29°22	14°12	12°39	17°54	9°20	18°37	1°27	15°56	14°36	1°44	4°16	S 7
M 8	11 1 53	17°17'27	27°14	2°48	0) €37	14°55	12°45	18° 0	9°21	18°36	1°28	15°50	14°33	1°51	4°19	M 8
T 9	11 5 49	18°17'14	10 m /30	4°27	1°51	15°37	12°51	18° 7	9°22	18°34	1°29	15°41	14°30	1°57	4°22	T 9
W10	11 9 46	19°16'58	23°33	6° 2	3° 6	16°20	12°57	18°14	9°23	18°32	1°30	15°31	14°27	2° 4	4°25	W10
T 11	11 13 42	20°16'40	6 <u>₽</u> 21	7°33	4°20	17° 2	13° 3	18°20	9°24	18°31	1°31	15°19	14°23	2°11	4°28	T 11
F 12	11 17 39	21°16'20	18°55	8°58	5°34	17°45	13°10	18°26	9°25	18°29	1°33	15° 7	14°20	2°17	4°31	F 12
S 13	11 21 35	22°15'59	1 M .15	10°18	6°49	18°27	13°16	18°33	9°27	18°27	1°34	14°57	14°17	2°24	4°34	S 13
S 14	11 25 32	23°15'36	13°21	11°33	8° 3	19°10	13°23	18°39	9°28	18°26	1°35	14°48	14°14	2°31	4°36	S 14
M15	11 29 29	24°15'10	25°18	12°41	9°18	19°52	13°30	18°46	9°29	18°24	1°36	14°41	14°11	2°37	4°39	M15
T 16	11 33 25	25°14'43	7 ₹ 9	13°42	10°32	20°35	13°37	18°52	9°31	18°22	1°37	14°37	14° 8	2°44	4°41	T 16
W17	11 37 22	26°14'15	18°58	14°36	11°47	21°17	13°44	18°58	9°32	18°21	1°38	14°36	14° 4	2°51	4°44	W17
T 18	11 41 18	27°13'44	0 궁 51	15°23	13° 1	22° 0	13°51	19° 4	9°34	18°19	1°39	14°D35	14° 1	2°57	4°46	T 18
F 19	11 45 15	28°13'12	12°54	16° 3	14°15	22°43	13°58	19°10	9°36	18°17	1°40	14°R36	13°58	3° 4	4°48	F 19
S 20	11 49 11	29°12'38	25°10	16°35	15°30	23°25	14° 6	19°17	9°37	18°16	1°42	14°35	13°55	3°11	4°50	S 20
S 21	11 53 8	0 Υ 12'02	7≈46	16°59	16°44	24° 8	14°14	19°23	9°39	18°14	1°43	14°33	13°52	3°17	4°52	S 21
M22	11 57 4	1°11'25	20°46	17°16	17°58	24°50	14°21	19°29	9°41	18°12	1°44	14°29	13°48	3°24	4°54	M22
T 23	12 1 1	2°10'45	4) 11	17°25	19°13	25°33	14°29	19°35	9°42	18°11	1°45	14°22	13°45	3°31	4°56	T 23
W24	12 4 58	3°10'03	18° 0	17°R27	20°27	26°16	14°37	19°41	9°44	18° 9	1°46	14°12	13°42	3°37	4°58	W24
T 25	12 8 54	4° 9'20	2 Υ 13	17°21	21°42	26°58	14°46	19°46	9°46	18° 8	1°48	14° 0	13°39	3°44	5° 0	T 25
F 26	12 12 51	5° 8'34	16°43	17° 8	22°56	27°41	14°54	19°52	9°48	18° 6	1°49	13°49	13°36	3°51	5° 1	F 26
S 27	12 16 47	6° 7'46	1822	16°49	24°10	28°24	15° 3	19°58	9°50	18° 4	1°50	13°38	13°33	3°57	5° 3	S 27
S 28	12 20 44	7° 6'56	16° 4	16°24	25°24	29° 6	15°11	20° 4	9°52	18° 3	1°51	13°29	13°29	4° 4	5° 4	S 28
M29	12 24 40	8° 6'04	0∏41	15°53	26°39	29°49	15°20	20° 9	9°54	18° 1	1°53	13°22	13°26	4°11	5° 6	M29
T 30	12 28 37	9° 5'10	15° 8	15°18	27°53	0≈31	15°29	20°15	9°56	18° 0	1°54	13°19	13°23	4°17	5° 7	T 30
W31	12 32 33	10 ° 4'13	29∏21	14 Y 38	29 米 7	1≈14	15 Ⅱ 38	20≈20	9∏58	17 m 58	1 8 55	139917	139520	4 ₹ 24	5 る 8	W31

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	decl	decl lat	decl lat	decl lat dec	l lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl decl	decl	decl lat
M 1 T 2	7 s43 7 20	13n45 4s14 17 44 3 24	4s38 0s43 3 43 0 33	3 14 51 1 5 23 3	0 31	21n59 0s19 22 0 0 18	8 16 35 0 58		5n34 1n14 5 35 1 14	3 16 16 14	22n32 22n39 22 32 22 40	16 57	
W 3 T 4 F 5	6 35	20 38 2 22 22 16 1 12 22 31 0n 2	2 49 0 22 1 54 0 11 0 59 0n 0	1 14 4 1 8 23 3	0 33	22 2 0 18	8 16 31 0 58	21 54 0 0	5 36 1 14 5 36 1 14 5 37 1 14	3 15 16 13	22 32 22 40 22 32 22 40 22 32 22 41	17 1	17 22 6 3
S 6 S 7	5 48 5 25	21 23 1 15 19 0 2 23	0 5 0 12 0n49 0 23				3 16 27 0 58 3 16 25 0 58		5 38 1 14 5 38 1 14		22 32 22 41 22 32 22 41		17 21 6 4 17 20 6 5
M 8 T 9 W10		15 37 3 21 11 28 4 8 6 52 4 41	1 41 0 38 2 33 0 50 3 22 1 4	0 12 1 1 16 23 1		22 6 0 1	7 16 22 0 58	21 54 0 0	5 40 1 14	3 12 16 12	22 33 22 42 22 34 22 42 22 35 22 42	17 11	
T 11 F 12 S 13	4 15 3 52 3 28 3 4	6 52 4 41 2 3 4 59 2 s 4 6 5 2 7 2 3 4 5 1	4 10 1 17 4 56 1 30 5 40 1 42	7 11 9 1 18 23 0 10 43 1 19 23	4 0 40 0 0 42		7 16 18 0 59 7 16 16 0 59	21 55 0 0 21 55 0 0	5 40 1 14 5 41 1 14 5 42 1 14 5 42 1 14	3 11 16 11 3 11 16 11	22 36 22 43 22 38 22 43 22 39 22 43	17 15 17 17	17 18 6 7 17 17 6 8
S 14 M15 T 16 W17 T 18 F 19 S 20	2 17 1 54		0 00 2	7 9 22 1 22 22 4 9 8 55 1 23 22 4 0 8 27 1 24 22 3 0 7 59 1 24 22 2 0 7 31 1 25 22 2	5 0 45 0 0 46 4 0 47 9 0 48 3 0 49	22 12 0 10	6 16 10 0 59 6 16 8 0 59 6 16 7 0 59 6 16 7 0 59 6 16 5 1 0 6 16 3 1 0	21 56 0 0 21 56 0 0 21 56 0 0 21 56 0 0 21 56 0 0	5 43 1 14 5 44 1 14 5 44 1 14 5 45 1 14 5 46 1 14 5 46 1 14 5 47 1 14	3 9 16 10 3 8 16 10 3 8 16 10 3 7 16 10 3 7 16 10	22 40 22 44 22 41 22 44 22 41 22 44 22 41 22 45 22 41 22 45 22 41 22 45 22 41 22 45 22 41 22 46	17 22 17 24 17 26 17 28 17 30	17 15 6 10 17 14 6 10 17 13 6 11 17 13 6 12 17 12 6 12
S 21 M22 T 23 W24 T 25 F 26 S 27	0 28	20 17 2 0 17 26 2 59 13 35 3 51 8 54 4 30 3 37 4 54 1n57 5 0 7 30 4 47	9 33 3 6 9 45 3 12 9 53 3 1 9 57 3 20 9 57 3 22 9 52 3 22 9 44 3 22	7 5 37 1 27 21 5 0 5 8 1 27 21 5 2 4 39 1 28 21 4 3 4 9 1 28 21 3	4 0 52 7 0 53 0 0 55 3 0 56 6 0 57	22 18 0 13 22 19 0 13 22 20 0 13 22 21 0 13 22 22 0 13 22 24 0 14 22 25 0 14	5 15 56 1 0 5 15 54 1 0 5 15 52 1 0 4 15 51 1 1	21 57 0 0 21 58 0 0 21 58 0 0		3 5 16 9 3 4 16 9 3 4 16 9 3 3 16 8 3 3 16 8	22 44 22 47 22 45 22 47	17 36 17 38 17 40 17 42 17 44	17 10 6 14 17 9 6 15 17 9 6 15 17 8 6 16 17 7 6 17
S 28 M29 T 30 W31	3 13 3 37	12 38 4 14 17 0 3 25 20 17 2 23 22n16 1s13	9 15 3 15 8 56 3 9	5 2 41 1 28 21 1	3 1 0 5 1 1	22 27 0 14 22 28 0 14		21 59 0 0 21 59 0 0 22 0 0 0 22n 0 0n 0	5 52 1 14	3 1 16 8 3 0 16 8	22 48 22 48 22 49 22 49 22 49 22 49 22n49 22n49	17 49 17 51	17 5 6 19 17 4 6 19

Julian Day Number = 2309159.5, Delta T = 76.49 sec Ecliptic obliquity = $23^{\circ}29'22$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}17'58$, Lahiri = $18^{\circ}24'59$ Greg. Calendar

APRIL 1610 GC 00:00 UT

Day	Sid.t	0	D	Ϋ́	φ	ð	4	ħ)∤(¥	Р	ß	Ω	Ç	ę,	Day
T 1	12 36 30	11 ° 3'14	139519	13°R56	0Υ22	1≈57	15 Ⅱ 47	20≈26	10耳 0	17°R57	1 8 57	13°R17	139517	4 ₹ 31	5 ろ 9	T 1
F 2	12 40 26	12° 2'13	27° 3	13 Y 11	1°36	2°39	15°56	20°31	10° 3	17 m 55	1°58	139517	13°14	4°37	5°10	F 2
S 3	12 44 23	13° 1'09	10 Ω 32	12°25	2°50	3°22	16° 5	20°36	10° 5	17°54	1°59	13°15	13°10	4°44	5°11	S 3
S 4	12 48 20	14° 0'03	23°49	11°38	4° 4	4° 5	16°15	20°42	10° 7	17°52	2° 0	13°11	13° 7	4°51	5°12	S 4
M 5	12 52 16	14°58'54	6m 54	10°51	5°18	4°47	16°25	20°47	10° 9	17°51	2° 2	13° 4	13° 4	4°57	5°13	M 5
T 6	12 56 13	15°57'44	19°48	10° 6	6°33	5°30	16°34	20°52	10°12	17°49	2° 3	12°54	13° 1	5° 4	5°14	T 6
W 7	13 0 9	16°56'31	2 ₾ 30	9°23	7°47	6°13	16°44	20°57	10°14	17°48	2° 4	12°42	12°58	5°11	5°14	W 7
T 8	13 4 6	17°55'16	15° 2	8°43	9° 1	6°55	16°54	21° 2	10°17	17°47	2° 6	12°29	12°54	5°18	5°15	T 8
F 9	13 8 2	18°53'59	27°23	8° 6	10°15	7°38	17° 4	21° 7	10°19	17°45	2° 7	12°15	12°51	5°24	5°15	F 9
S 10	13 11 59	19°52'40	9 ™ 34	7°33	11°29	8°21	17°14	21°12	10°22	17°44	2° 8	12° 2	12°48	5°31	5°16	S 10
S 11	13 15 55	20°51'19	21°35	7° 5	12°43	9° 3	17°24	21°17	10°24	17°43	2°10	11°52	12°45	5°38	5°16	S 11
M12	13 19 52	21°49'57	3 ∡ 28	6°41	13°58	9°46	17°34	21°21	10°27	17°41	2°11	11°44	12°42	5°44	5°16	M12
T 13	13 23 49	22°48'33	15°17	6°22	15°12	10°29	17°45	21°26	10°29	17°40	2°12	11°38	12°39	5°51	5°R16	T 13
W14	13 27 45	23°47'07	27° 5	6° 8	16°26	11°11	17°55	21°31	10°32	17°39	2°14	11°36	12°35	5°58	5°16	W14
T 15	13 31 42	24°45'39	8 궁 57	5°59	17°40	11°54	18° 6	21°35	10°35	17°37	2°15	11°D35	12°32	6° 4	5°16	T 15
F 16	13 35 38	25°44'10	20°58	5°D55	18°54	12°37	18°17	21°39	10°37	17°36	2°17	11°R35	12°29	6°11	5°16	F 16
S 17	13 39 35	26°42'39	3≈13	5°56	20° 8	13°19	18°27	21°44	10°40	17°35	2°18	11°35	12°26	6°18	5°15	S 17
S 18	13 43 31	27°41'06	15°48	6° 2	21°22	14° 2	18°38	21°48	10°43	17°34	2°19	11°34	12°23	6°24	5°15	S 18
M19	13 47 28	28°39'32	28°46	6°13	22°36	14°44	18°49	21°52	10°46	17°33	2°21	11°30	12°19	6°31	5°14	M19
T 20	13 51 24	29°37'56	12) (12	6°29	23°50	15°27	19° 0	21°56	10°49	17°31	2°22	11°24	12°16	6°38	5°14	T 20
W21	13 55 21	0 8 36'19	26° 7	6°49	25° 4	16°10	19°11	22° 0	10°52	17°30	2°23	11°16	12°13	6°44	5°13	W21
T 22	13 59 18	1°34'40	10 Y 29	7°14	26°18	16°52	19°22	22° 4	10°54	17°29	2°25	11° 7	12°10	6°51	5°13	T 22
F 23	14 3 14	2°32'59	25°13	7°44	27°32	17°35	19°34	22° 8	10°57	17°28	2°26	10°56	12° 7	6°58	5°12	F 23
S 24	14 711	3°31'16	10 8 12	8°17	28°46	18°17	19°45	22°12	11° 0	17°27	2°27	10°46	12° 4	7° 4	5°11	S 24
S 25	14 11 7	4°29'32	25°15	8°54	0 8 0	19° 0	19°56	22°16	11° 3	17°26	2°29	10°38	12° 0	7°11	5°10	S 25
M26	14 15 4	5°27'45	10 Ⅱ 15	9°35	1°14	19°42	20° 8	22°19	11° 6	17°25	2°30	10°33	11°57	7°18	5° 9	M26
T 27	14 19 0	6°25'57	25° 1	10°20	2°28	20°25	20°20	22°23	11° 9	17°24	2°32	10°30	11°54	7°24	5° 8	T 27
W28	14 22 57	7°24'07	9930	11° 8	3°42	21° 7	20°31	22°27	11°12	17°23	2°33	10°D29	11°51	7°31	5° 7	W28
T 29	14 26 53	8°22'15	23°37	12° 0	4°56	21°50	20°43	22°30	1 <u>1</u> °16	17°22	2°34	10°29	11°48	7°38	<u>5°</u> 5	T 29
F 30	14 30 50	9820'21	$7\Omega 23$	12 Y 55	6 8 10	22≈32	20 Ⅱ 55	22≈33	11 II 19	17 m 21	2 8 36	10°R29	119945	7 .₹ 144	5 る 4	F 30

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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 F 2 S 3	4n23 4 46 5 9	21 58 1 12	7 41 2 41	0 42 1 27	20 40 1 5		15 39 1 2		5 55 1 14	2 59 16 7	22n49 22n50 22 50 22 50 22 50 22 50	17 57	17 2 6 21
S 4 M 5 T 6 W 7 T 8	5 32 5 55 6 18 6 40 7 3	12 45 4 3 8 17 4 36 3 31 4 55 1 s20 5 0	6 10 2 1 5 38 1 46 5 7 1 30 4 36 1 14	1 0 48 1 26 5 1 18 1 26 0 1 47 1 25 4 2 17 1 25	20 13 1 8 20 4 1 10 19 54 1 11 19 45 1 12	22 35 0 13 22 36 0 13 22 37 0 13 22 38 0 13	15 35 1 2 15 33 1 2 15 32 1 2 15 30 1 2	22 2 0 1 22 2 0 1 22 3 0 1	5 56 1 14 5 57 1 14 5 58 1 14 5 58 1 14	2 57 16 7 2 57 16 7 2 56 16 7 2 55 16 7	22 50 22 50 22 51 22 51 22 52 22 51 22 53 22 51 22 54 22 52	1 18 2 1 18 4 1 18 6 2 18 8	17 1 6 23 17 0 6 23 17 0 6 24 16 59 6 25 16 58 6 25
F 9 S 10		10 29 4 27	4 6 0 58 3 38 0 41	3 17 1 23	19 25 1 14	22 40 0 12	15 29 1 3 15 27 1 3	22 3 0 1	5 59 1 14 5 59 1 14	2 54 16 6	22 55 22 52 22 57 22 52	2 18 12	16 57 6 26
S 11 M12 T 13 W14 T 15 F 16 S 17	9 15 9 37 9 58	17 50 3 7 20 27 2 15 22 11 1 16 22 57 0 14	2 47 0 8 2 25 0s 8	3 4 16 1 21 3 4 46 1 20 3 5 15 1 19 3 5 44 1 18 6 14 1 17	19 4 1 17 18 54 1 18 18 43 1 19 18 33 1 21 18 22 1 22	22 42 0 12 22 44 0 12 22 45 0 12 22 46 0 12 22 47 0 12	15 23 1 3 15 22 1 3 15 20 1 4	22 4 0 1 22 5 0 1 22 5 0 1 22 5 0 1 22 5 0 1 22 6 0 1	6 0 1 14 6 0 1 14 6 1 1 13 6 1 1 13 6 2 1 13 6 2 1 13 6 3 1 13	2 53 16 6 2 53 16 6 2 52 16 6 2 52 16 6 2 51 16 6	22 58 22 53 22 58 22 53 22 59 22 53 22 59 22 54 22 59 22 54 22 59 22 54 22 59 22 54	3 18 15 3 18 17 4 18 19 4 18 21 4 18 23	16 56 6 28 16 55 6 28 16 54 6 29 16 54 6 30 16 53 6 30
S 18 M19 T 20 W21 T 22 F 23 S 24	11 1 11 22 11 42 12 3 12 23	6 1 4 52 0 29 5 2	0 59 2 4	2 7 40 1 14 3 8 9 1 12 4 8 37 1 11 4 9 6 1 9 3 9 34 1 8	17 48 1 25 17 37 1 27 17 25 1 28 17 14 1 29 17 2 1 30	22 50 0 11 22 51 0 11 22 52 0 11 22 53 0 11 22 54 0 11	15 14 1 4 15 13 1 5 15 12 1 5 15 11 1 5	22 7 0 1 22 7 0 1 22 8 0 1 22 8 0 1	6 3 1 13 6 3 1 13 6 4 1 13 6 4 1 13 6 5 1 13 6 5 1 13	2 50 16 6 2 49 16 6 2 49 16 6 2 48 16 6 2 48 16 6	22 59 22 55 22 59 22 55 23 0 22 55 23 1 22 56 23 1 22 56 23 2 22 56 23 2 22 56 23 3 22 56	5 18 28 5 18 30 6 18 32 6 18 34 6 18 35	16 51 6 32 16 51 6 33 16 50 6 33 16 49 6 34 16 49 6 35
S 25 M26 T 27 W28 T 29 F 30	13 42 14 1 14 19	19 30 2 34 22 2 1 21 23 4 0 5	1 25 2 36 1 37 2 43 1 51 2 48 2 6 2 52	5 10 56 1 3 3 11 24 1 2 3 11 50 1 0 2 12 17 0 58	16 26 1 34 16 13 1 36 16 1 1 37 15 48 1 38		15 8 1 5 15 7 1 6 15 6 1 6 15 5 1 6	22 10 0 1 22 10 0 1 22 11 0 1	6 6 1 13 6 6 1 13 6 7 1 13 6 7 1 13 6 7 1 13 6n 8 1n13	2 47 16 6 2 46 16 6 2 46 16 6 2 45 16 6	23 4 22 57 23 4 22 57 23 4 22 58 23 4 22 58 23 4 22 58 23 4 22 58	7 18 41 7 18 43 8 18 44 8 18 46	16 47 6 37 16 47 6 37 16 46 6 38 16 45 6 38

Julian Day Number = 2309190.5, Delta T = 76.40 sec Ecliptic obliquity = 23°29'22, Nutation = -0°00'17, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°18'02, Lahiri = 18°25'03Greg. Calendar

MAY 1610 GC 00:00 UT

I.IV I	TOTO (16													00.0	0 01
Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(卉	Р	S.	v	Ç	ķ	Day
S 1	14 34 47	10818'25	20 Ω 49	13 Y 53	7 8 24	23≈14	21 I 7	22≈36	11 II 22	17°R20	2 8 37	10°R29	119541	7 . ₹51	5°R 2	S 1
S 2	14 38 43	11°16'27	3 Mp 56	14°54	8°38	23°57	21°19	22°40	11°25	17 m)20	2°38	10927	11°38	7°58	5ਰ 1	S 2
M 3	14 42 40	12°14'27	16°48	15°58	9°52	24°39	21°31	22°43	11°28	17°19	2°40	10°22	11°35	8° 4	4°59	M 3
T 4	14 46 36	13°12'25	29°26	17° 4	11° 6	25°21	21°43	22°46	11°31	17°18	2°41	10°15	11°32	8°11	4°58	T 4
W 5	14 50 33	14°10'21	11 ≏ 53	18°13	12°20	26° 4	21°55	22°48	11°35	17°17	2°42	10° 6	11°29	8°18	4°56	W 5
T 6	14 54 29	15° 8'15	24° 9	19°25	13°34	26°46	22° 7	22°51	11°38	17°17	2°44	9°56	11°25	8°24	4°54	T 6
F 7	14 58 26	16° 6'08	6 M .17	20°40	14°48	27°28	22°19	22°54	11°41	17°16	2°45	9°46	11°22	8°31	4°52	F 7
S 8	15 2 22	17° 4'00	18°18	21°57	16° 1	28°10	22°31	22°56	11°44	17°15	2°47	9°37	11°19	8°38	4°50	S 8
S 9	15 6 19	18° 1'50	0 ₮ 12	23°16	17°15	28°52	22°44	22°59	11°48	17°15	2°48	9°29	11°16	8°44	4°48	S 9
M10	15 10 16	18°59'38	12° 2	24°38	18°29	29°34	22°56	23° 1	11°51	17°14	2°49	9°23	11°13	8°51	4°46	M10
T 11	15 14 12	19°57'25	23°50	26° 2	19°43	0 ∺ 17	23° 9	23° 4	11°54	17°13	2°51	9°19	11°10	8°58	4°44	T 11
W12	15 18 9	20°55'11	5 云 39	27°29	20°57	0°59	23°21	23° 6	11°58	17°13	2°52	9°D18	11° 6	9° 4	4°41	W12
T 13	15 22 5	21°52'56	17°32	28°58	22°11	1°41	23°34	23° 8	12° 1	17°12	2°53	9°18	11° 3	9°11	4°39	T 13
F 14	15 26 2	22°50'39	29°34	0 8 29	23°24	2°23	23°46	23°10	12° 5	17°12	2°54	9°19	11° 0	9°18	4°37	F 14
S 15	15 29 58	23°48'22	11 ≈ 49	2° 2	24°38	3° 4	23°59	23°12	12° 8	17°11	2°56	9°21	10°57	9°24	4°34	S 15
S 16	15 33 55	24°46'03	24°22	3°38	25°52	3°46	24°12	23°14	12°11	17°11	2°57	9°R21	10°54	9°31	4°31	S 16
M17	15 37 51	25°43'43	7 ₩ 17	5°16	27° 6	4°28	24°25	23°16	12°15	17°11	2°58	9°21	10°51	9°38	4°29	M17
T 18	15 41 48	26°41'22	20°39	6°56	28°20	5°10	24°37	23°17	12°18	17°10	3° 0	9°18	10°47	9°44	4°26	T 18
W19	15 45 45	27°39'01	4 Υ29	8°39	29°33	5°52	24°50	23°19	12°22	17°10	3° 1	9°14	10°44	9°51	4°23	W19
T 20	15 49 41	28°36'38	18°47	10°23	0 Ⅱ 47	6°33	25° 3	23°20	12°25	17°10	3° 2	9° 9	10°41	9°58	4°21	T 20
F 21	15 53 38	29°34'14	3 8 31	12°10	2° 1	7°15	25°16	23°22	12°29	17° 9	3° 3	9° 3	10°38	10° 4	4°18	F 21
S 22	15 57 34	0Д31'49	18°33	13°59	3°15	7°56	25°29	23°23	12°32	17° 9	3° 5	8°58	10°35	10°11	4°15	S 22
S 23	16 131	1°29'23	3耳46	15°51	4°29	8°38	25°42	23°24	12°36	17° 9	3° 6	8°53	10°31	10°18	4°12	S 23
M24	16 5 27	2°26'57	18°57	17°44	5°42	9°19	25°55	23°25	12°39	17° 9	3° 7	8°50	10°28	10°24	4° 9	M24
T 25	16 9 24	3°24'29	3959	19°40	6°56	10° 1	26° 8	23°26	12°43	17° 8	3° 8	8°D49	10°25	10°31	4° 6	T 25
W26	16 13 20	4°21'59	18°43	21°38	8°10	10°42	26°21	23°27	12°46	17° 8	3°10	8°49	10°22	10°38	4° 3	W26
T 27	16 17 17	5°19'29	3 Q 4	23°37	9°24	11°23	26°35	23°28	12°50	17° 8	3°11	8°50	10°19	10°44	3°59	T 27
F 28	16 21 14	6°16'57	17° 0	25°39	10°37	12° 4	26°48	23°29	12°53	17° 8	3°12	8°52	10°16	10°51	3°56	F 28
S 29	16 25 10	7°14'24	0 m y31	27°43	11°51	12°45	27° 1	23°29	12°57	17°D 8	3°13	8°53	10°12	10°58	3°53	S 29
S 30	16 29 7	8°11'49	13°39	29°48	13° 5	13°26	27°14	23°30	13° 0	17° 8	3°14	8°R53	10° 9	11° 4	3°50	S 30
M31	16 33 3	9耳 9'13	26 ₯ 27	1 Ⅱ 55	14∏19	14) 7	27 Ⅲ 27	23≈30	13 II 4	17 m) 8	3 8 15	8951	1095 6	11🗖11	3 ⋜ 46	M31

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	decl	decl	lat	decl	lat	decl	lat	decl	lat	dec	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
S 1	14n57	17n43	3n18	2n44	3 s 0	13n 9	0s55	15 s23	1 s41	23n 2	0 s10	15 s 3	1s 6	22n12	0n 1	6n 8	1n13	2 s44 16 s	6 23n 4	22n58	18 s 50	16 s44	6n40
S 2	15 15	13 54	4 6	3 5	3 2	13 35	0 53	15 10	1 42	23	0 10	15 2	1 6	22 13	0 1	6 8	1 13	2 44 16	6 23 5	22 59	18 52	16 44	6 40
M 3	15 33	9 31	4 40	3 28	3 4					23		-				6 9	1 13			22 59		16 43	6 41
T 4 W 5	15 50 16 8	4 48 0s 2	5 0 5 5	3 52 4 18	3 5 3 5			14 44 14 31								6 9	1 13 1 13			22 59		16 43 16 42	6 41 6 42
T 6	16 25	4 48	4 56	4 46	3 5			14 18								6 9	1 13			23 0		16 42	6 42
F 7	16 41	9 20	4 33	5 15			0 43									6 10				23 0		16 41	6 43
S 8	16 58	13 29	3 59	5 45	3 3	16 1	0 41	13 51	1 50	23 8	0 9	14 58	1 8	22 15	0 1	6 10	1 13	2 42 16	6 23 8	23 0	19 2	16 41	6 43
S 9	17 14	17 4	3 14	6 16	3 0	16 24	0 39	13 37	1 51	23	0 9	14 57	1 8	22 16	0 1	6 10	1 13	2 41 16	6 23 9	23 1	19 4	16 40	6 44
M10	17 30		2 22	6 49	2 58											6 10	1 13		6 23 9			16 40	6 45
T 11 W12	17 46 18 1		1 23 0 20	7 22 7 57	2 54 2 50					23 10						6 11	1 13 1 13		6 23 10 6 23 10			16 39 16 39	6 45 6 46
T 13	18 17		0 20 0 s44	8 33	2 46			12 43		23 12						6 11	1 13		6 23 10			16 39	6 46
F 14	18 31		1 48	9 9	2 41			12 29		23 12						6 11	1 13		6 23 10			16 38	6 47
S 15	18 46	19 57	2 47	9 47	2 35	18 34	0 25	12 15	1 59	23 13	0 8	14 54	1 9	22 18	0 1	6 11	1 13	2 39 16	7 23 10	23 2	19 14	16 38	6 47
S 16	19 0	16 53	3 40	10 25	2 29	18 53	0 23	12 1	2 0	23 14	0 8	14 53	1 9	22 19	0 1	6 11	1 13	2 39 16	7 23 10	23 2	19 16	16 37	6 48
M17	-	12 55		11 4	2 23			11 46	2 1	23 14			-	-		6 11	1 13		7 23 10			16 37	6 48
T 18 W19	19 27 19 41	8 13 2 57		11 43 12 24				11 32 11 18		23 13 23 16				-		6 12	1 13		7 23 10 7 23 10			16 37 16 36	6 49
T 20	19 41	2 n40		12 24	2 8 2 0		0 10			23 10					0 1 0 1	6 12	1 13 1 13		7 23 10		19 21		6 50
F 21	20 6	8 17		13 45		20 25		10 50		23 1				22 21	0 1	6 12	1 13		7 23 11		19 25		6 50
S 22	20 18	13 33	4 0	14 26	1 43	20 42	0 9	10 35	2 8	23 17	0 7	14 51	1 10	22 22	0 1	6 12	1 13	2 37 16	7 23 11	23 4	19 26	16 35	6 50
S 23	20 30	18 1	2 59	15 8	1 33	20 58	0 7	10 21	2 9	23 18	0 7	14 51	1 10	22 22	0 1	6 12	1 13	2 37 16	7 23 11	23 4	19 28	16 35	6 51
M24	20 42	-	-	15 49	1 24		0 4	10 6				-		_		6 12	1 12		8 23 12			16 34	6 51
T 25 W26		22 59 23 4		16 30		21 29	0 2	9 52		23 19				_		6 12	1 12		8 23 12			16 34	6 52
	21 4 21 14	-		17 11 17 52	1 4	21 43	0n 1 0 3	9 37 9 23		23 19 23 20		-				6 12 6 12	1 12 1 12		8 23 12 8 23 12			16 34 16 33	6 52 6 52
		18 51		18 32		22 10	0 5	9 8		23 20						6 12	1 12		8 23 12			16 33	6 53
S 29	21 34	15 8	4 6	19 11	0 32	22 23	0 8	8 54	2 17	23 2	0 7	14 51	1 12	22 25	0 1	6 12	1 12	2 35 16	8 23 11	23 6	19 38	16 33	6 53
	21 43	10 48	4 44	19 49	0 21	22 35	0 10	8 39	2 18	23 2	0 6	14 51	1 12	22 25	0 1	6 12	1 12	2 35 16	9 23 11	23 6	19 40	16 33	6 54
M31	21n52	6n 5	5n 6	20n25	0s10	22n46	0n12	8 s24	2 s20	23n22	0 s 6	14s51	1 s 1 2	22n26	0n 1	6n12	1n12	2 s 3 5 1 6 s	9 23n12	23n 6	19 s42	16s32	6n54

 $\label{eq:Julian Day Number = 2309220.5, Delta\ T=76.31\ sec} \\ Ecliptic\ obliquity = 23°29'22, Nutation = -0°00'18, out-of-bounds\ declination\ in\ red$

JUNE 1610 GC 00:00 UT

Day	Sid.t	0	D	ğ	φ	♂	4	ħ)∤(卉	Р	S.	v	Ç	ķ	Day
T 1	16 37 0	10 I I 6'36	8 ≏ 58	4 I I 3	15 II 32	14) (48	27 Ⅱ 41	23≈30	13 I 8	17 m) 8	3 8 17	8°R49	109 3	11 ~ 18	3°R43	T 1
W 2	16 40 56	11° 3'58	21°15	6°13	16°46	15°29	27°54	23°30	13°11	17° 9	3°18	89945	10° 0	11°24	3 る 39	W 2
T 3	16 44 53	12° 1'19	3 M 21	8°24	18° 0	16° 9	28° 7	23°R31	13°15	17° 9	3°19	8°41	9°57	11°31	3°36	T 3
F 4	16 48 49	12°58'39	15°19	10°35	19°13	16°50	28°21	23°31	13°18	17° 9	3°20	8°37	9°53	11°38	3°32	F 4
S 5	16 52 46	13°55'58	27°12	12°47	20°27	17°30	28°34	23°30	13°22	17° 9	3°21	8°33	9°50	11°44	3°29	S 5
S 6	16 56 43	14°53'17	9 ∡ 2	14°59	21°41	18°11	28°48	23°30	13°25	17° 9	3°22	8°29	9°47	11°51	3°25	S 6
M 7	17 0 39	15°50'34	20°51	17°11	22°54	18°51	29° 1	23°30	13°29	17°10	3°23	8°27	9°44	11°58	3°22	M 7
T 8	17 4 36	16°47'52	2 ප් 41	19°22	24° 8	19°31	29°15	23°30	13°32	17°10	3°24	8°D26	9°41	12° 4	3°18	T 8
W 9	17 8 32	17°45'08	14°34	21°33	25°22	20°11	29°28	23°29	13°36	17°10	3°25	8°26	9°37	12°11	3°14	W 9
T 10	17 12 29	18°42'24	26°33	23°43	26°35	20°51	29°42	23°28	13°40	17°11	3°26	8°27	9°34	12°18	3°11	T 10
F 11	17 16 25	19°39'39	8 ≈ 41	25°52	27°49	21°31	29°55	23°28	13°43	17°11	3°27	8°28	9°31	12°24	3° 7	F 11
S 12	17 20 22	20°36'54	21° 1	28° 0	29° 3	22°11	059 9	23°27	13°47	17°12	3°28	8°30	9°28	12°31	3° 3	S 12
S 13	17 24 18	21°34'09	3 ∺ 37	0ණ 6	09516	22°51	0°22	23°26	13°50	17°12	3°29	8°31	9°25	12°38	2°59	S 13
M14	17 28 15	22°31'24	16°32	2°11	1°30	23°30	0°36	23°25	13°54	17°12	3°30	8°R32	9°22	12°44	2°55	M14
T 15	17 32 12	23°28'38	29°50	4°14	2°44	24°10	0°49	23°24	13°57	17°13	3°31	8°32	9°18	12°51	2°52	T 15
W16	17 36 8	24°25'52	13 Y 32	6°15	3°57	24°49	1° 3	23°23	14° 1	17°14	3°32	8°31	9°15	12°58	2°48	W16
T 17	17 40 5	25°23'06	27°40	8°14	5°11	25°28	1°16	23°22	14° 4	17°14	3°33	8°30	9°12	13° 4	2°44	T 17
F 18	17 44 1	26°20'20	12812	10°11	6°24	26° 7	1°30	23°20	14° 8	17°15	3°34	8°28	9° 9	13°11	2°40	F 18
S 19	17 47 58	27°17'34	27° 4	12° 6	7°38	26°46	1°44	23°19	14°11	17°15	3°35	8°27	9° 6	13°18	2°36	S 19
S 20	17 51 54	28°14'48	12耳 9	13°59	8°52	27°25	1°57	23°17	14°15	17°16	3°36	8°26	9° 3	13°24	2°32	S 20
M21	17 55 51	29°12'02	27°18	15°50	10° 5	28° 4	2°11	23°16	14°18	17°17	3°37	8°25	8°59	13°31	2°28	M21
T 22	17 59 47	099 9'15	129522	17°39	11°19	28°42	2°24	23°14	14°22	17°18	3°37	8°D25	8°56	13°38	2°24	T 22
W23	18 3 44	1° 6'29	27°13	19°25	12°33	29°21	2°38	23°12	14°25	17°18	3°38	8°26	8°53	13°44	2°21	W23
T 24	18 741	2° 3'42	11 Ω 43	21°10	13°46	29°59	2°52	23°10	14°29	17°19	3°39	8°26	8°50	13°51	2°17	T 24
F 25	18 11 37	3° 0'54	25°49	22°52	15° 0	0 Υ 37	3° 5	23° 8	14°32	17°20	3°40	8°27	8°47	13°57	2°13	F 25
S 26	18 15 34	3°58'06	9 m 28	24°32	16°14	1°15	3°19	23° 6	14°35	17°21	3°41	8°27	8°43	14° 4	2° 9	S 26
S 27	18 19 30	4°55'18	22°42	26° 9	17°27	1°52	3°32	23° 4	14°39	17°22	3°41	8°27	8°40	14°11	2° 5	S 27
M28	18 23 27	5°52'29	5 ≏ 32	27°45	18°41	2°30	3°46	23° 2	14°42	17°23	3°42	8°R27	8°37	14°17	2° 1	M28
T 29	18 27 23	6°49'40	18° 2	29°18	19°54	3° 7	4° 0	22°59	14°46	17°24	3°43	8°27	8°34	14°24	1°57	T 29
W30	18 31 20	<i>7</i> 9 346'51	0 M .15	0 Ω 49	2195 8	3 Υ 44	49513	22≈57	14∏49	17 m 25	3 8 44	89527	8931	14 ₹ 31	1 云 53	W30

Day	0	J)	ζ	5	ç)	d	7	2	+	1	i)	f(4	Ţ	Р	n	U	ţ	ķ	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl lat	decl	decl	decl	decl	lat
T 1	22n 1	1n14	5n13	21n 1	0n 1	22n57	0n15	8 s 1 0	2 s 2 1	23n22	0s 6	14s51	1 s 1 2	22n26	0n 1	6n12	1n12	2s35 16s 9	23n12	23n 6			6n54
W 2	22 9	3 s35		21 35	0 11		0 17	7 55		23 22	0 6	14 51		22 27		6 12	1 12		23 12				6 55
T 3	22 17	8 11	4 45		0 22		0 20	7 41		23 22	0 6	14 51		22 27		6 12	1 12		23 12			16 32	6 55
F 4	22 24	12 27	4 12			23 25	0 22	7 26		23 23	0 6	14 51	1 13			6 12	1 12		23 13		19 48		6 55
S 5	22 31	16 12	3 28	23 4	0 42	23 33	0 24	7 11	2 26	23 23	0 6	14 52	1 13	22 28	0 1	6 11	1 12	2 34 16 10	23 13	23 7	19 50	16 31	6 56
S 6	22 38	19 18	2 35	23 29	0 51	23 40	0 27	6 57	2 27	23 23	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34 16 10	23 13	23 8	19 52	16 31	6 56
M 7	22 44	21 35	1 35	23 52	1 0	23 47	0 29	6 42	2 29	23 23	0 6	14 52	1 13	22 29	0 1	6 11	1 12	2 34 16 10	23 13	23 8	19 53	16 31	6 56
T 8		22 56		24 12	1 9		0 31	6 27		23 24	0 6	14 52	1 13		0 1	6 11	1 12	2 34 16 10			19 55		6 56
W 9		23 15		24 30	1 17		0 33	6 13		-	0 5				-	6 11	1 12	2 34 16 10			19 57		6 57
T 10	23 0			24 44	1 24		0 36	5 58		23 24		14 53			-	6 11	1 12	2 33 16 1			19 58	16 30	6 57
F 11		20 42		24 56	1 30		0 38	5 43		23 24		14 53		22 31		6 11	1 12	2 33 16 1				16 30	6 57
S 12	23 9	17 54	3 34	25 5	1 36	24 9	0 40	5 29	2 35	23 24	0 5	14 54	1 14	22 31	0 1	6 10	1 12	2 33 16 1	23 13	23 9	20 2	16 30	6 57
S 13	23 13	14 14	4 20	25 11	1 42	24 12	0 42	5 14	2 36	23 24	0 5	14 54	1 14	22 32	0 1	6 10	1 12	2 33 16 1	23 13	23 9	20 3	16 30	6 58
M14	23 17	9 50	4 54	25 14	1 46	24 13	0 44	5 0	2 37	23 24	0 5	14 55	1 15	22 32	0 1	6 10	1 12	2 33 16 12	2 23 13	23 9	20 5	16 30	6 58
T 15	23 20	4 51	5 13	25 15	1 50	24 14	0 46	4 45	2 39	23 24	0 5	14 55	1 15	22 32	0 1	6 10	1 12	2 33 16 12	2 23 13	23 10	20 6	16 30	6 58
W16	23 22	0n31	5 15	25 13	1 53	24 14	0 48	4 31	2 40	23 24	0 5	14 56	1 15	22 33	0 1	6 9	1 12	2 33 16 12	2 23 13	23 10	20 8	16 29	6 58
T 17	23 25	6 1	4 59	25 9	1 55	24 14	0 51	4 16	2 41	23 24	0 5	14 57	1 15	22 33	0 1	6 9	1 12	2 33 16 12	2 23 13	23 10	20 10	16 29	6 58
_	23 26	11 21	4 24	25 2	1 56	24 13	0 53	4 2	2 42	23 24	0 5	14 57	1 15	22 34	0 1	6 9	1 12	2 33 16 13					6 59
S 19	23 28	16 8	3 30	24 53	1 57	24 11	0 55	3 47	2 44	23 24	0 4	14 58	1 16	22 34	0 1	6 9	1 12	2 33 16 13	3 23 13	23 11	20 13	16 29	6 59
S 20	23 29	19 58	2 21	24 42	1 57	24 8	0 56	3 33	2 45	23 24	0 4	14 59	1 16	22 35	0 1	6 8	1 12	2 33 16 13	3 23 13	23 11	20 14	16 29	6 59
M21	23 29	22 26	1 1	24 29	1 57	24 4	0 58	3 19	2 46	23 24	0 4	14 59	1 16	22 35	0 1	6 8	1 12	2 33 16 13	3 23 13	23 11	20 16	16 29	6 59
T 22	23 29	23 17	0n22	24 14	1 55	24 0	1 0	3 4	2 47	23 24	0 4	15 0	1 16	22 35	0 1	6 8	1 12	2 33 16 14	1 23 13	23 11	20 18	16 29	6 59
W23	23 29	22 26	1 42	23 57	1 53	23 56	1 2	2 50	2 48	23 24	0 4	15 1	1 16	22 36	0 1	6 7	1 12	2 32 16 14	1 23 13	23 11	20 19	16 29	6 59
T 24	23 28	20 6	2 55	23 39	1 51	23 50	1 4	2 36		23 24	0 4	_			-	6 7	1 12	2 32 16 14					6 59
F 25		16 36	3 54	23 19	1 48	23 44	1 6	2 22			0 4				-	6 7	1 11	2 32 16 14					6 59
S 26	23 26	12 19	4 38	22 58	1 44	23 37	1 7	2 8	2 52	23 23	0 4	15 3	1 17	22 37	0 1	6 6	1 11	2 32 16 15	23 13	23 12	20 24	16 29	6 59
S 27	23 24	7 35	5 6	22 35	1 39	23 29	1 9	1 54	2 53	23 23	0 4	15 4	1 17	22 37	0 1	6 6	1 11	2 32 16 13	23 13	23 12	20 26	16 29	6 59
M28	23 22	2 39	5 17	22 12	1 34	23 21	1 11	1 40	2 54	23 23	0 4	15 5	1 17	22 38	0 1	6 5	1 11	2 33 16 13	23 13	23 13	20 27	16 29	6 59
T 29	23 19	2s15	5 13	21 47	1 29	23 12	1 12	1 26	2 56	23 22	0 4	15 6	1 17	22 38	0 1	6 5	1 11	2 33 16 13	23 13	23 13	20 29	16 29	6 59
W30	23n16	6s59	4n55	21n21	1n22	23n 2	1n14	1 s13	2 s 5 7	23n22	0 s 3	15 s 7	1s18	22n39	0n 1	6n 5	1n11	2 s 3 3 16 s 1 6	23n13	23n13	20s30	16 s 29	6n59

Julian Day Number = 2309251.5, Delta T = 76.21 sec Ecliptic obliquity = 23°29'22, Nutation = -0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°18'11, Lahiri = 18°25'11Greg. Calendar

JULY 1610 GC 00:00 UT

Day	Sid.t	0	D	ğ	Ω	ď	4	ħ)∤(¥	В	n	Ω	Ç	ķ	Day
T 1	18 35 16	8944'02	12 M 17	2Ω18	22922	4 Υ21	49927	22°R54	14 Ⅱ 52	17 m 26	3 8 44	8°D27	8928	14 ~ 37	1°R49	T 1
F 2	18 39 13	9°41'12	24°11	3°45	23°35	4°58	4°40	22≈52	14°55	17°27	3°45	8927	8°24	14°44	1 る 46	F 2
S 3	18 43 10	10°38'23	6 ₹ 1 0	5° 9	24°49	5°35	4°54	22°49	14°59	17°28	3°46	8°28	8°21	14°51	1°42	S 3
S 4	18 47 6	11°35'33	17°49	6°31	26° 2	6°11	5° 7	22°46	15° 2	17°29	3°46	8°28	8°18	14°57	1°38	S 4
M 5	18 51 3	12°32'44	29°39	7°51	27°16	6°48	5°21	22°44	15° 5	17°30	3°47	8°28	8°15	15° 4	1°34	M 5
T 6	18 54 59	13°29'55	11 궁 34	9° 8	28°29	7°24	5°35	22°41	15° 9	17°31	3°47	8°R28	8°12	15°11	1°30	T 6
W 7	18 58 56	14°27'06	23°35	10°23	29°43	7°59	5°48	22°38	15°12	17°33	3°48	8°28	8° 9	15°17	1°27	W 7
T 8	19 2 52	15°24'17	5≈45	11°35	0№56	8°35	6° 2	22°35	15°15	17°34	3°48	8°27	8° 5	15°24	1°23	T 8
F 9	19 6 49	16°21'29	18° 6	12°45	2°10	9°10	6°15	22°32	15°18	17°35	3°49	8°26	8° 2	15°31	1°19	F 9
S 10	19 10 46	17°18'41	0 ∺ 38	13°52	3°23	9°46	6°29	22°28	15°21	17°36	3°50	8°25	7°59	15°37	1°16	S 10
S 11	19 14 42	18°15'54	13°25	14°56	4°37	10°21	6°42	22°25	15°24	17°38	3°50	8°24	7°56	15°44	1°12	S 11
M12	19 18 39	19°13'07	26°27	15°58	5°50	10°55	6°55	22°22	15°28	17°39	3°51	8°23	7°53	15°51	1°8	M12
T 13	19 22 35	20°10'21	9 Ƴ 47	16°57	7° 4	11°30	7° 9	22°18	15°31	17°40	3°51	8°22	7°49	15°57	1° 5	T 13
W14	19 26 32	21° 7'36	23°26	17°52	8°18	12° 4	7°22	22°15	15°34	17°42	3°51	8°D22	7°46	16° 4	1° 1	W14
T 15	19 30 28	22° 4'51	7 8 24	18°44	9°31	12°38	7°36	22°11	15°37	17°43	3°52	8°23	7°43	16°11	0°58	T 15
F 16	19 34 25	23° 2'08	21°41	19°34	10°45	13°12	7°49	22° 8	15°40	17°45	3°52	8°24	7°40	16°17	0°54	F 16
S 17	19 38 21	23°59'25	6 Ⅱ 14	20°19	11°58	13°45	8° 2	22° 4	15°43	17°46	3°53	8°25	7°37	16°24	0°51	S 17
S 18	19 42 18	24°56'43	21° 0	21° 1	13°12	14°19	8°16	22° 0	15°46	17°48	3°53	8°26	7°34	16°31	0°47	S 18
M19	19 46 15	25°54'03	5952	21°40	14°25	14°51	8°29	21°57	15°49	17°49	3°53	8°R26	7°30	16°37	0°44	M19
T 20	19 50 11	26°51'23	20°44	22°14	15°38	15°24	8°42	21°53	15°51	17°51	3°54	8°26	7°27	16°44	0°41	T 20
W21	19 54 8	27°48'43	5 Ω 28	22°45	16°52	15°56	8°55	21°49	15°54	17°52	3°54	8°25	7°24	16°51	0°38	W21
T 22	19 58 4	28°46'04	19°57	23°11	18° 5	16°28	9° 8	21°45	15°57	17°54	3°54	8°22	7°21	16°57	0°34	T 22
F 23	20 2 1	29°43'26	4 m 5	23°33	19°19	17° 0	9°22	21°41	16° 0	17°55	3°54	8°20	7°18	17° 4	0°31	F 23
S 24	20 5 57	0 Ω 40'48	17°48	23°50	20°32	17°31	9°35	21°37	16° 3	17°57	3°55	8°17	7°14	17°11	0°28	S 24
S 25	20 9 54	1°38'11	1 º 6	24° 3	21°46	18° 2	9°48	21°33	16° 6	17°59	3°55	8°14	7°11	17°17	0°25	S 25
M26	20 13 50	2°35'35	14° 0	24°10	22°59	18°33	10° 1	21°29	16° 8	18° 0	3°55	8°12	7° 8	17°24	0°22	M26
T 27	20 17 47	3°32'59	26°32	24°R13	24°13	19° 3	10°14	21°25	16°11	18° 2	3°55	8°10	7° 5	17°30	0°19	T 27
W28	20 21 44	4°30'24	8M46	24°10	25°26	19°33	10°27	21°20	16°14	18° 4	3°55	8°D10	7° 2	17°37	0°16	W28
T 29	20 25 40	5°27'49	20°47	24° 2	26°39	20° 3	10°40	21°16	16°16	18° 5	3°56	8°11	6°59	17°44	0°13	T 29
F 30 S 31	20 29 37 20 33 33	6°25'16 7 Ω 22'43	2 7 39 14 7 28	23°49 23 Ω 31	27°53 29 Ω 6	20°32 21 ° 1	10°53 11 © 5	21°12 21 ≈ 8	16°19 16 Ⅲ 21	18° 7 18 m 9	3°56 3 8 56	8°13 8 © 14	6°55 6 © 52	17°50 17 ×7 57	0°11 8 る	F 30 S 31
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S 10 S 11 M12	22 22 22 14 22 7	15 10 4 1 10 57 4 4 6 9 5 1	1 16 37 7 16 7 0 15 38	0s 6 20 49 0 17 20 33 0 28 20 16	1 26 1 1 26 1 1 27 1	0 3 8 13 3 9 25 3 10	23 17 23 17 23 16 23 16 23 16	0 2 0 2 0 2	15 18 15 19 15 20	1 19 1 19 1 20	22 42 22 43 22 43	0 1 0 1 0 1	6 0 1 11 5 59 1 11 5 59 1 11	2 33 16 19 2 34 16 19 2 34 16 19 2 34 16 20	23 13 2 23 13 2 23 13 2	23 15 2 23 15 2 23 15 2	20 46 20 47 20 49	16 30 6 59 16 30 6 59 16 30 6 59
W14 T 15 F 16	21 58 21 50 21 41 21 31 21 21	9 38 4 3 14 30 3 5	6 14 41 7 14 14	0 52 19 39 1 4 19 20 1 16 19 1	1 29 1 1 29 2 1 30 2	50 3 12 2 3 13 14 3 14	23 15 23 14 23 14 23 13	0 2 0 2 0 2 0 2 0 2	15 23 15 24 15 26	1 20	22 44 22 44 22 44	0 1 0 1 0 1	5 58 1 11 5 58 1 11 5 57 1 11 5 57 1 11 5 56 1 11	2 34 16 20 2 34 16 20 2 34 16 20 2 34 16 20 2 34 16 21	23 13 2 23 13 2 23 13 2	23 16 2 23 16 2 23 16 2	20 52 20 53 20 55	16 31 6 58 16 31 6 58 16 31 6 58
S 18 M19 T 20 W21 T 22 F 23 S 24	21 11 21 1 20 50 20 39 20 27 20 15 20 3	23 7 0 1 23 0 1n 21 16 2 2 18 10 3 3 14 4 4 2	4 11 44 0 11 23	1 55 18 0 2 8 17 38 2 21 17 16 2 34 16 54 2 47 16 31	1 31 2 1 31 3 1 32 3 1 32 3 1 32 3	50 3 17 2 3 18	23 8	0 2 0 2 0 1 0 1 0 1 0 1 0 1	15 30 15 31 15 32 15 34 15 35	1 21 1 21	22 45 22 46 22 46	0 1 0 1 0 1 0 1 0 2	5 55 1 11 5 55 1 11 5 54 1 11 5 53 1 11 5 53 1 11 5 52 1 11 5 52 1 11	2 35 16 21 2 35 16 22 2 35 16 22 2 35 16 22 2 35 16 22 2 36 16 23 2 36 16 23	23 13 2 23 13 2 23 13 2 23 13 2 23 14 2	23 17 2 23 17 2 23 17 2 23 17 2 23 17 2	20 59 21 1 21 2 21 4 21 5	16 32 6 58
S 25 M26 T 27 W28 T 29 F 30 S 31	19 50 19 37 19 24 19 11 18 57 18 42	4 20 5 1 0 s 4 3 5 1 5 37 4 5 10 10 4 3 14 15 3 5	2 10 30 3 10 16 9 10 4 1 9 53 2 9 46 3 9 40	3 13 15 44 3 25 15 19 3 37 14 55 3 49 14 30 4 0 14 5 4 10 13 39	1 32 3 1 32 4 1 31 4 1 31 4 1 31 4 1 30 4	58 3 23 9 3 23 19 3 24 30 3 25 40 3 26 51 3 27	23 7 23 6 23 5 23 4 23 3	0 1 0 1 0 1 0 1 0 1 0 1	15 38 15 40 15 41 15 43 15 44	1 21 1 22 1 22 1 22 1 22 1 22	22 47 22 48 22 48	0 2 0 2 0 2 0 2 0 2 0 2	5 51 1 11 5 50 1 11 5 50 1 11 5 49 1 11 5 48 1 11 5 47 1 11	2 36 16 23 2 36 16 24 2 37 16 24 2 37 16 25 2 37 16 25 2 37 16 25 2 38 16 25	23 14 2 23 14 2 23 14 2 23 14 2 23 14 2 23 14 2	23 18 2 23 18 2 23 18 2 23 18 2 23 18 2 23 18 2	21 8 21 9 21 11 21 12 21 14 21 15	16 33 6 56 16 33 6 56 16 34 6 56 16 34 6 55 16 34 6 55 16 35 6 55

Julian Day Number = 2309281.5, Delta T = 76.12 sec Ecliptic obliquity = $23^{\circ}29'22$, Nutation = - $0^{\circ}00'17$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}18'15$, Lahiri = $18^{\circ}25'15$ Greg. Calendar

AUGUST 1610 GC 00:00 UT

Day	Sid.t	0	D	ğ	Q	♂	4	ħ)∤(¥	Р	n	Ω	Ç	ķ	Day
S 1	20 37 30	8Ω20'10	26 × 17	23°R 8		21 Y 30	119518	21°R 3	16 Ⅲ 24		3 8 56	8 9 16	69649	18 ×7 4	0°R 5	S 1
M 2	20 37 30 20 41 26	9°17'39	8 중 11	23°R 8 22 Ω 39	0 m)19 1°33	21 1 30 21°58	11°31	20 ≈ 59	16 11 24	18 m)11 18°12	3°56	8°R16	6°46	18 × 4	0 R 3	M 2
T 3	20 41 20 20 45 23	10°15'09	20°13	22° 6	2°46	21°25	11°44	20°55	16°29	18°14	3°56	8°16	6°43	18°17	0° 0	T 3
W 4	20 49 19	11°12'39	2 0 13 2 ∞ 26	21°28	3°59	22°53	11°56	20°50	16°31	18°16	3°R56	8°14	6°40	18°24	29 × 758	W 4
T 5	20 53 16	12°10'11	14°50	20°47	5°13	23°20	12° 9	20°46	16°33	18°18	3°56	8°10	6°36	18°30	29°56	T 5
F 6	20 57 13	13° 7'44	27°29	20° 2	6°26	23°46	12°21	20°41	16°36	18°20	3°56	8° 5	6°33	18°37	29°53	F 6
S 7	21 1 9	14° 5'18	10) (20	19°15	7°39	24°12	12°34	20°37	16°38	18°22	3°56	7°59	6°30	18°44	29°51	S 7
S 8	21 5 6	15° 2'53	23°26	18°26	8°53	24°38	12°46	20°32	16°40	18°24	3°56	7°53	6°27	18°50	29°49	S 8
M 9	21 9 2	16° 0'30	6 Y 45	17°36	10° 6	25° 3	12°59	20°28	16°43	18°26	3°56	7°47	6°24	18°57	29°47	M 9
T 10	21 12 59	16°58'08	20°16	16°46	11°19	25°28	13°11	20°23	16°45	18°28	3°55	7°43	6°20	19° 4	29°45	T 10
W11	21 16 55	17°55'48	4 8 0	15°57	12°32	25°52	13°23	20°19	16°47	18°30	3°55	7°41	6°17	19°10	29°43	W11
T 12	21 20 52	18°53'30	17°55	15°10	13°45	26°15	13°36	20°14	16°49	18°32	3°55	7°D40	6°14	19°17	29°41	T 12
F 13	21 24 48	19°51'13	2 I 1	14°25	14°59	26°39	13°48	20°10	16°51	18°34	3°55	7°40	6°11	19°24	29°39	F 13
S 14	21 28 45	20°48'58	16°17	13°45	16°12	27° 1	14° 0	20° 5	16°53	18°36	3°55	7°42	6° 8	19°30	29°37	S 14
S 15	21 32 42	21°46'45	09541	13° 9	17°25	27°23	14°12	20° 1	16°55	18°38	3°55	7°R43	6° 5	19°37	29°36	S 15
M16	21 36 38	22°44'33	15° 9	12°39	18°38	27°45	14°24	19°56	16°57	18°40	3°54	7°43	6° 1	19°44	29°34	M16
T 17	21 40 35	23°42'23	29°39	12°15	19°51	28° 6	14°36	19°52	16°59	18°42	3°54	7°41	5°58	19°50	29°32	T 17
W18	21 44 31	24°40'14	14 0 3	11°58	21° 4	28°26	14°48	19°47	17° 1	18°44	3°54	7°37	5°55	19°57	29°31	W18
T 19	21 48 28	25°38'07	28°17	11°48	22°17	28°46	14°59	19°43	17° 2	18°46	3°53	7°31	5°52	20° 3	29°30	T 19
F 20	21 52 24	26°36'02	12 m 15	11°D46	23°30	29° 5	15°11	19°38	17° 4	18°48	3°53	7°23	5°49	20°10	29°28	F 20
S 21	21 56 21	27°33'58	25°54	11°52	24°44	29°24	15°23	19°34	17° 6	18°50	3°53	7°15	5°46	20°17	29°27	S 21
S 22	22 0 17	28°31'55	9 ₽ 10	12° 5	25°57	29°42	15°34	19°29	17° 7	18°52	3°52	7° 7	5°42	20°23	29°26	S 22
M23	22 4 14	29°29'53	22° 4	12°27	27°10	29°59	15°46	19°25	17° 9	18°54	3°52	7° 0	5°39	20°30	29°25	M23
T 24	22 8 11	0 ₯ 27'53	4 M .36	12°57	28°23	0816	15°57	19°21	17°11	18°56	3°52	6°54	5°36	20°37	29°24	T 24
W25	22 12 7	1°25'55	16°51	13°35	29°36	0°32	16° 9	19°16	17°12	18°58	3°51	6°51	5°33	20°43	29°23	W25
T 26	22 16 4	2°23'58	28°51	14°21	0 ჲ 49	0°47	16°20	19°12	17°13	19° 1	3°51	6°D50	5°30	20°50	29°22	T 26
F 27	22 20 0	3°22'02	10 ∡ 744	15°14	2° 2	1° 2	16°31	19° 8	17°15	19° 3	3°50	6°50	5°26	20°57	29°22	F 27
S 28	22 23 57	4°20'08	22°32	16°15	3°14	1°16	16°42	19° 3	17°16	19° 5	3°50	6°51	5°23	21° 3	29°21	S 28
S 29	22 27 53	5°18'15	4 궁 23	17°22	4°27	1°29	16°53	18°59	17°18	19° 7	3°49	6°R52	5°20	21°10	29°21	S 29
M30	22 31 50	6°16'24	16°20	18°36	5°40	1°42	17° 4	18°55	17°19	19° 9	3°49	6°51	5°17	21°17	29°20	M30
T 31	22 35 46	7 M y 14'34	28 궁 28	19 Ω 56	6 ₾ 53	1854	179515	18 ≈ 51	17 Ⅲ 20	19 m 12	3 8 48	6 9 49	5914	21 × 23	29 × 120	T 31

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T 10	15 47			11 27	4 36	8 35		6 32		22 51	0 1	16 2		22 51			1 10	2 41 16					6 51
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S 15	14 17	22 51	0 38	13 23	3 40	6 7	1 14	7 11	3 37	22 45	0 1	16 10	1 24	22 52	0 2	5 35	1 10	2 43 16	30 23 16	23 21	21 38	16 41	6 49
M16	13 58	23 18	0n40	13 46	3 25	5 37	1 12	7 18	3 38	22 44	0 1	16 11	1 24	22 53	0 2	5 34	1 10	2 43 16	30 23 16	23 21	21 39	16 41	6 48
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W18	13 20	19 34	3 3	14 30	2 51	4 36	1 9	7 32	3 39	22 41	0 1	16 14	1 24	22 53	0 2	5 33	1 10	2 44 16	31 23 16	23 21	21 42	16 42	6 48
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F 20	12 40	11 16	4 38			3 35	1 5	7 45		22 39	0 2	16 17	1 24			5 31	1 10	2 44 16					6 47
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S 22	12 1	1 4	5 7	15 37	1 39	2 33	1 1	7 57	3 40	22 37	0 2	16 20	1 24	22 54	0 2	5 30	1 10	2 45 16	32 23 18	23 22	21 47	16 44	6 46
M23	11 40	4 s 1	4 57	15 48	1 21	2 2	0 59	8 3	3 40	22 35	0 2	16 22	1 24	22 54	0 2	5 29	1 10	2 46 16	32 23 18	23 22	21 48	16 44	6 45
T 24	11 20	8 48	4 32	15 57	1 3	1 31	0 57	8 9	3 40	22 34	0 2	16 23	1 24	22 54	0 2	5 28	1 10	2 46 16	33 23 19	23 22	21 50	16 44	6 45
W25	10 59		3 56	16 3	0 46	1 0	0 55	8 14		22 33	0 2		1 24	-	0 2	5 27	1 10	2 46 16					6 44
T 26			3 10			0 29	0 53	8 19		22 32	0 2						1 10	2 47 16					6 44
F 27		19 52	2 16	-	0 14	0s 2	0 50	8 24		22 30	0 2						1 10	2 47 16					6 43
S 28	9 56	22 1	1 16	16 1	0n 1	0 33	0 48	8 29	3 41	22 29	0 2	16 29	1 24	22 55	0 2	5 24	1 10	2 48 16	34 23 19	23 23	21 55	16 46	6 43
S 29		_		15 55		1 5	0 46	8 34		22 28	0 3			22 55		-		2 48 16					6 42
M30				15 45	0 29	1 36	0 43	8 38		22 26		16 31		22 55				2 49 16					6 42
T 31	8n52	22 s21	1 s53	15n31	0n41	2s 7	0n41	8n42	3 s41	22n25	0n 3	16 s 3 3	1 s24	22n55	0n 2	5n22	1n10	2 s 4 9 1 6 s	s35 23n19	23n23	21 s59	16 s48	6n42

Julian Day Number = 2309312.5, Delta T = 76.03 sec Ecliptic obliquity = $23^{\circ}29'22$, Nutation = - $0^{\circ}00'16$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}18'19$, Lahiri = $18^{\circ}25'20$ Greg. Calendar

SEPTEMBER 1610 GC 00:00 UT

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T 2	22 43 39	9°10'59	23°31	22°51	9°19	2°15	17°36	18≈42	17°22	19°16	3 8 47	6937	5° 7	21°37	29 × 19	T 2	ı
F 3	22 47 36	10° 9'14	6 ∺ 28	24°25	10°31	2°25	17°47	18°38	17°23	19°18	3°47	6°28	5° 4	21°43	29°19	F 3	ı
S 4	22 51 33	11° 7'31	19°43	26° 4	11°44	2°33	17°58	18°34	17°24	19°20	3°46	6°17	5° 1	21°50	29°D19	S 4	l
S 5	22 55 29	12° 5'50	3Υ 13	27°45	12°57	2°41	18° 8	18°30	17°25	19°23	3°45	6° 6	4°58	21°57	29°19	S 5	l
M 6	22 59 26	13° 4'10	16°55	29°30	14°10	2°48	18°18	18°27	17°26	19°25	3°45	5°56	4°55	22° 3	29°19	M 6	ı
T 7	23 3 22	14° 2'33	0 8 48	1 m) 16	15°22	2°55	18°28	18°23	17°27	19°27	3°44	5°48	4°52	22°10	29°20	T 7	ı
W 8	23 7 19	15° 0'58	14°46	3° 5	16°35	3° 0	18°39	18°19	17°28	19°29	3°43	5°42	4°48	22°16	29°20	W 8	ı
T 9	23 11 15	15°59'24	28°50	4°55	17°48	3° 5	18°49	18°15	17°29	19°31	3°43	5°39	4°45	22°23	29°20	T 9	ı
F 10	23 15 12	16°57'54	12∏55	6°46	19° 0	3° 9	18°58	18°11	17°30	19°34	3°42	5°D38	4°42	22°30	29°21	F 10	ı
S 11	23 19 8	17°56'25	27° 2	8°38	20°13	3°12	19° 8	18° 8	17°30	19°36	3°41	5°38	4°39	22°36	29°21	S 11	l
S 12	23 23 5	18°54'59	119910	10°30	21°25	3°14	19°18	18° 4	17°31	19°38	3°40	5°R38	4°36	22°43	29°22	S 12	l
M13	23 27 2	19°53'35	25°16	12°23	22°38	3°15	19°28	18° 1	17°31	19°40	3°40	5°37	4°32	22°50	29°23	M13	ı
T 14	23 30 58	20°52'13	$9\Omega 20$	14°15	23°50	3°R15	19°37	17°57	17°32	19°43	3°39	5°33	4°29	22°56	29°23	T 14	ı
W15	23 34 55	21°50'53	23°19	16° 7	25° 3	3°15	19°46	17°54	17°32	19°45	3°38	5°27	4°26	23° 3	29°24	W15	ı
T 16	23 38 51	22°49'36	7 m 10	17°59	26°15	3°13	19°56	17°51	17°33	19°47	3°37	5°17	4°23	23°10	29°25	T 16	ı
F 17	23 42 48	23°48'20	20°48	19°51	27°28	3°11	20° 5	17°47	17°33	19°49	3°37	5° 6	4°20	23°16	29°26	F 17	ı
S 18	23 46 44	24°47'06	4 ₽ 11	21°41	28°40	3° 7	20°14	17°44	17°33	19°51	3°36	4°53	4°17	23°23	29°27	S 18	l
S 19	23 50 41	25°45'54	17°17	23°32	29°53	3° 3	20°23	17°41	17°34	19°54	3°35	4°41	4°13	23°30	29°29	S 19	l
M20	23 54 37	26°44'45	OM 4	25°21	1 m 5	2°58	20°31	17°38	17°34	19°56	3°34	4°29	4°10	23°36	29°30	M20	ı
T 21	23 58 34	27°43'37	12°32	27° 9	2°17	2°52	20°40	17°35	17°34	19°58	3°33	4°20	4° 7	23°43	29°31	T 21	ı
W22	0 2 31	28°42'31	24°45	28°57	3°29	2°45	20°49	17°32	17°34	20° 0	3°32	4°14	4° 4	23°50	29°33	W22	ı
T 23	0 6 27	29°41'26	6 才 44	0 ჲ 44	4°42	2°37	20°57	17°30	17°R34	20° 3	3°31	4°10	4° 1	23°56	29°34	T 23	ı
F 24	0 10 24	0 △ 40'24	18°35	2°30	5°54	2°29	21° 5	17°27	17°34	20° 5	3°30	4° 8	3°57	24° 3	29°36	F 24	ı
S 25	0 14 20	1°39'23	0 る 23	4°15	7° 6	2°19	21°13	17°24	17°34	20° 7	3°29	4° 8	3°54	24° 9	29°38	S 25	l
S 26	0 18 17	2°38'24	12°13	6° 0	8°18	2° 9	21°22	17°22	17°34	20° 9	3°29	4° 8	3°51	24°16	29°40	S 26	l
M27	0 22 13	3°37'27	24°11	7°43	9°30	1°58	21°29	17°19	17°34	20°11	3°28	4° 7	3°48	24°23	29°42	M27	ı
T 28	0 26 10	4°36'32	6≈22	9°26	10°42	1°46	21°37	17°17	17°34	20°14	3°27	4° 4	3°45	24°29	29°44	T 28	ı
W29	0 30 6	5°35'39	18°51	11° 7	11°54	1°34	21°45	17°15	17°33	20°16	3°26	3°59	3°42	24°36	29°46	W29	ı
T 30	0 34 3	6 ₽ 34'47	1) (40	12 ≏ 48	13 M 6	1820	219552	17≈13	17 Ⅲ 33	20 m)18	3 8 25	3951	3938	24 × ⁷ 43	29 х 48	T 30	ı

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W 1 T 2				15n15 14 55	0n53 1 3	2s38 3 9	0n38 0 36	8n46 8 50		22n24 22 23		3 16 s34 3 16 35		22n55 22 55		5n21 5 20	1n10 1 10	2 s49 16 s35 2 50 16 35	23n19 23 19			16s48 16 49	6n41
F 3			-	14 32	1 12	3 40	0 33	8 53		22 21		16 3					1 10		23 20			16 49	6 40
S 4	7 25	8 32	4 50	14 7	1 20	4 11	0 30	8 56		22 20	0 3	16 38	1 25	22 55	0 2	5 18	1 10	2 51 16 36				16 50	6 40
S 5	7 2	3 21	-	13 39	1 27	4 42	0 28	8 59		22 19		16 39	_		0 2		1 10	2 51 16 36				16 50	6 39
M 6	6 40			13 8	1 33	5 13	0 25	9 2		22 18		16 40				5 17	1 10	2 52 16 36		-	-	16 51	6 39
T 7	6 17			12 34	1 38	5 44	0 22	9 5		22 16	0 4		_		-	5 16	1 10		23 22				6 38
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F 10		20 27		11 22 10 43	1 45 1 48	6 45 7 15	0 16 0 13	9 9		22 14		1 16 44 1 16 4:			-	5 14 5 13	1 10 1 10	2 53 16 37					6 37
S 11				10 43	1 49	7 46	0 10	9 13		22 11		16 4	-		-		1 10	2 54 16 37					6 36
S 12	4 24	23 30	0n29	9 20	1 50	8 16	0 7	9 14	3 36	22 10	0 4	16 4	1 25	22 56	0 2	5 11	1 10	2 54 16 38	23 22	23 25	22 14	16 54	6 36
M13		-	1 42	8 37	1 49	8 46	0 4	9 15	3 35			16 48	_		-	5 11	1 10	2 55 16 38					6 35
T 14			2 49	7 53	1 49	9 15	0 1	9 16	3 34			16 49			-	5 10	1 10	2 55 16 38					6 35
W15		-,	3 44	7 8	1 47	9 45	0s 2	9 17	3 33			16 50	-		-	5 9	1 10	2 56 16 38					6 34
T 16 F 17		13 1	4 26	6 22	1 45 1 42	10 14	0 5	9 17	3 32 3 31			16 5			-	5 8	1 10		23 23				6 34
S 18	2 28 2 5		4 52 5 1	5 36 4 49	1 39	10 43 11 12	0 8 0 12	9 17 9 17	3 30			16 52 16 53			-	5 7 5 6	1 10 1 10	2 57 16 39 2 57 16 39					6 33
S 19	1 41	2s17	4 54	4 3	1 36	11 41	0 15	9 17	3 29	22 1	0 :	16 54	1 24	22 57	0 2	5 5	1 10	2 57 16 39	23 24	23 25	22 22	16 57	6 32
M20	1 18	7 16	4 32	3 16	1 32	12 9	0 18	9 17	3 27	22 0	0 :	16 5	1 24	22 57	0 2	5 5	1 10	2 58 16 39					6 32
T 21			3 57	2 28	1 28		0 21	9 16		21 59		16 50			-	5 4	1 11		23 25				6 31
W22			3 12	1 41	1 23	13 5	0 24	9 15				16 5			-	5 3	1 11		23 25				6 31
T 23			2 20	0 54	1 18	13 33	0 28	9 14		21 57		16 58			-	5 2	1 11		23 25				6 30
F 24 S 25	0s16 0 40		1 21 0 20	0 7 0 s 4 0	1 13 1 7	14 0 14 27	0 31 0 34	9 13 9 11	3 21	21 55 21 54	-	16 59 5 16 59		22 57 22 57	-	5 1 5 0	1 11		23 25 23 26				6 30 6 29
			0 20	0840	1 /	14 4/		9 11			0 (16 59	1 24			3 0	1 11						
S 26	1 3		0 s43	1 27	1 1		0 38	9 10		21 53	-	5 17 (-	4 59	1 11	3 1 16 40					6 29
M27		-	1 44	2 13	0 56		0 41	9 8	3 15	-	-	17			-		1 11	-	23 26		_		6 28
T 28	1 50		2 42	2 59	0 49		0 44	9 6	3 13			17					1 11		23 26				6 28
W29 T 30			3 33 4s15	3 45 4s30	0 43 0n37	-	0 48 0s51	9 3 9n 1	3 11 3s 9	21 50 21n49		5 17 2 5 17s 3		22 57 22n57	-		1 11 1n11		23 26 23n26			17 2 17s 3	6 27 6n27

Julian Day Number = 2309343.5, Delta T = 75.94 sec Ecliptic obliquity = 23°29'23, Nutation = -0°00'16, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°18'23, Lahiri = 18°25'24Greg. Calendar

OCTOBER 1610 GC 00:00 UT

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F 1	0 38 0	7 ₽ 33'57	14) 52	14 Ω 28	14 M .18	1°R 6	2299 0	17°R11	17°R33	20 m 20	3°R24	3°R41	3935	24 × 749	29 × 750	F 1
S 2	0 41 56	8°33'09	28°26	16° 8	15°30	0 8 52	22° 7	17 ≈ 9	17 Ⅲ 32	20°22	3 8 23	3929	3°32	24°56	29°52	S 2
S 3	0 45 53	9°32'23	12 Y 19	17°46	16°42	0°36	22°14	17° 7	17°32	20°24	3°22	3°16	3°29	25° 3	29°55	S 3
M 4	0 49 49	10°31'40	26°28	19°24	17°54	0°20	22°21	17° 5	17°31	20°26	3°21	3° 5	3°26	25° 9	29°57	M 4
T 5	0 53 46	11°30'58	10847	21° 1	19° 6	0° 4	22°28	17° 3	17°31	20°29	3°20	2°55	3°23	25°16	29°59	T 5
W 6	0 57 42	12°30'19	25°10	22°37	20°18	29 Ƴ 47	22°34	17° 2	17°30	20°31	3°19	2°48	3°19	25°23	0중 2	W 6
T 7	1 1 39	13°29'42	9∏33	24°12	21°29	29°29	22°41	17° 0	17°29	20°33	3°18	2°44	3°16	25°29	0° 5	T 7
F 8	1 5 35	14°29'07	23°51	25°47	22°41	29°11	22°47	16°59	17°29	20°35	3°16	2°43	3°13	25°36	0° 8	F 8
S 9	1 9 32	15°28'35	895 1	27°21	23°53	28°52	22°53	16°57	17°28	20°37	3°15	2°42	3°10	25°42	0°10	S 9
S 10	1 13 28	16°28'05	22° 3	28°55	25° 4	28°33	22°59	16°56	17°27	20°39	3°14	2°42	3° 7	25°49	0°13	S 10
M11	1 17 25	17°27'37	5 Ω 57	0 M 28	26°16	28°14	23° 5	16°55	17°26	20°41	3°13	2°41	3° 3	25°56	0°16	M11
T 12	1 21 22	18°27'12	19°42	2° 0	27°27	27°54	23°11	16°54	17°25	20°43	3°12	2°38	3° 0	26° 2	0°19	T 12
W13	1 25 18	19°26'49	3 m 17	3°31	28°39	27°35	23°16	16°53	17°24	20°45	3°11	2°32	2°57	26° 9	0°22	W13
T 14	1 29 15	20°26'28	16°43	5° 2	29°50	27°15	23°21	16°52	17°23	20°47	3°10	2°23	2°54	26°16	0°26	T 14
F 15	1 33 11	21°26'09	29°57	6°32	1 🗷 1	26°54	23°27	16°52	17°22	20°49	3° 9	2°12	2°51	26°22	0°29	F 15
S 16	1 37 8	22°25'53	12 ≏ 59	8° 2	2°13	26°34	23°32	16°51	17°21	20°51	3° 8	1°59	2°48	26°29	0°32	S 16
S 17	1 41 4	23°25'38	25°47	9°31	3°24	26°14	23°37	16°50	17°20	20°53	3° 7	1°47	2°44	26°36	0°36	S 17
M18	1 45 1	24°25'26	8 M 21	10°59	4°35	25°53	23°41	16°50	17°19	20°55	3° 6	1°36	2°41	26°42	0°39	M18
T 19	1 48 57	25°25'15	20°40	12°27	5°46	25°33	23°46	16°50	17°17	20°57	3° 4	1°27	2°38	26°49	0°43	T 19
W20	1 52 54	26°25'06	2 , 747	13°54	6°57	25°13	23°50	16°49	17°16	20°59	3° 3	1°20	2°35	26°56	0°46	W20
T 21	1 56 51	27°25'00	14°43	15°21	8° 8	24°53	23°54	16°49	17°15	21° 1	3° 2	1°16	2°32	27° 2	0°50	T 21
F 22	2 0 47	28°24'55	2 <u>6</u> °32	16°46	9°19	24°33	23°58	16°D49	17°13	21° 2	3° 1	1°D15	2°28	27° 9	0°54	F 22
S 23	2 4 44	29°24'51	8 궁 18	18°11	10°30	24°14	24° 2	16°49	17°12	21° 4	3° 0	1°15	2°25	27°16	0°57	S 23
S 24	2 8 40	0ML24'50	20° 7	19°35	11°41	23°55	24° 6	16°50	17°10	21° 6	2°59	1°16	2°22	27°22	1° 1	S 24
M25	2 12 37	1°24'50	2≈ 3	20°59	12°52	23°36	24° 9	16°50	17° 9	21° 8	2°58	1°R16	2°19	27°29	1° 5	M25
T 26	2 16 33	2°24'52	14°13	22°21	14° 3	23°18	24°12	16°50	17° 7	21°10	2°57	1°15	2°16	27°35	1° 9	T 26
W27	2 20 30	3°24'55	26°40	23°43	15°13	23° 0	24°15	16°51	17° 6	21°12	2°55	1°12	2°13	27°42	1°13	W27
T 28	2 24 26	4°25'00	9 ∺ 31	25° 3	16°24	22°42	24°18	16°52	17° 4	21°13	2°54	1° 7	2° 9	27°49	1°17	T 28
F 29	2 28 23	5°25'06	22°47	26°23	17°34	22°25	24°21	16°52	17° 2	21°15	2°53	1° 0	2° 6	27°55	1°22	F 29
S 30	2 32 20	6°25'14	6 Y 29	27°41	18°45	22° 9	24°23	16°53	17° 1	21°17	2°52	0°52	2° 3	28° 2	1°26	S 30
S 31	2 36 16	7 M 25'24	20 Y 37	28 M .58	19 х 55	21 Y 53	249526	16≈54	16耳59	21 m 18	2 8 51	09543	2 95 0	28 🗷 9	1 ප 30	S 31

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F 1 S 2	3 s 1 3 24	10 s21 4 s4 5 12 4 5		0n30 17s 2 0 24 17 26	0 s 5 4 8 n 5 0 5 7 8 5		21n48 21 47		17s 3		22n57 22 57	0n 2 0 2	4n55 1n11 4 54 1 11					22 s36 22 37	
S 3 M 4 T 5 W 6 T 7 F 8 S 9		16 7 3 19 58 1 5 22 34 0 4	6 7 27 0 8 8 10 0 5 8 52 0 9 9 34 0 7 10 16 0	0 17 17 50 0 10 18 14 0 3 18 37 0s 4 18 59 0 11 19 22 0 18 19 43 0 25 20 5	1 1 8 5 1 4 8 4 1 7 8 4 1 11 8 4 1 14 8 3 1 17 8 3 1 20 8 3	9 2 59 6 2 56 3 2 53 9 2 50 6 2 47		0 7 0 7 0 7 0 7 0 7 0 7 0 7	17 5 17 5 17 6 17 6 17 7	1 24 1 24 1 24 1 24 1 24	22 56 22 56 22 56 22 56 22 56 22 56	0 2 0 2 0 2 0 2	4 54 1 11 4 53 1 11 4 52 1 11 4 51 1 11 4 50 1 11	3 4 10 3 5 10 3 5 10 3 6 10 3 6 10	6 42 2 6 42 2 6 42 2 6 42 2 6 42 2	23 27 23 27 23 28 23 28 23 28 23 28	23 27 23 27 23 27 23 27 23 27	22 38 22 40 22 41 22 42 22 43 22 44 22 45	17 5 6 25 17 5 6 24 17 6 6 24 17 6 6 23 17 6 6 23
S 10 M11 T 12 W13 T 14 F 15 S 16	6 6 6 6 29 6 52 7 15 7 38 8 0 8 23 8 45	23 20 1 4 21 31 2 4 18 27 3 4 14 25 4 2 9 43 4 5 4 38 5	1 11 36 (7 12 15 (2 12 54 (4 13 32 (1 14 9 12 14 45 14 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	0 25 20 5 0 31 20 25 0 38 20 46 0 45 21 5 0 52 21 24 0 59 21 43 1 5 22 1 1 12 22 19	1 23 8 2 1 27 8 2 1 30 8 2 1 33 8 1 1 36 8 1 1 39 8	8 2 41 5 2 38 1 2 35 7 2 31 3 2 28 9 2 24	21 39 21 38 21 38	0 8 0 8 0 8 0 8 0 8 0 8	17 7 17 8 17 8 17 8 17 8 17 8	1 24 1 24 1 24 1 23 1 23 1 23	22 56 22 56 22 56 22 56 22 56 22 56 22 56	0 2 0 2 0 2 0 2 0 2 0 2	4 49 1 11 4 48 1 11 4 47 1 11 4 46 1 11 4 46 1 11 4 45 1 11 4 44 1 11 4 43 1 11	3 7 10 3 7 10 3 8 10 3 8 10 3 8 10 3 9 10	6 42 2 6 42 2 6 42 2 6 42 2 6 42 2 6 42 2	23 28 23 28 23 28 23 28 23 28 23 28 23 28	23 27 23 27 23 27 23 27 23 27 23 27 23 28	22 46 22 47 22 48 22 49 22 50 22 52 22 53	17 7 6 22 17 8 6 22 17 8 6 21 17 9 6 21 17 9 6 20 17 9 6 20
S 17 M18 T 19 W20 T 21 F 22 S 23	10 13 10 35 10 56	5 42 4 3 10 29 4 14 46 3 1 18 22 2 2 21 10 1 2 23 1 0 2	6 15 56 3 16 30 9 17 3 6 17 36 7 18 7 5 18 37	1 19 22 35 1 25 22 52 1 31 23 8 1 37 23 23 1 43 23 37 1 49 23 51 1 55 24 4	1 45 8 1 48 7 5 1 50 7 5 1 53 7 4 1 56 7 4 1 59 7 4 2 1 7 3	1 2 17 7 2 13 3 2 10 9 2 6 6 2 2 2 1 58	21 34 21 33	0 9 0 9 0 9 0 9 0 9 0 9	17 9 17 9 17 9 17 9 17 9 17 9	1 23 1 23 1 23 1 23 1 23 1 23	22 56 22 55 22 55 22 55 22 55 22 55 22 55	0 2 0 2 0 2 0 3 0 3	4 43 1 11 4 42 1 11 4 41 1 11 4 40 1 11 4 40 1 11 4 39 1 11 4 38 1 11	3 10 10 3 10 10 3 10 10 3 11 10 3 11 10 3 12 10	6 43 2 6 43 2 6 43 2 6 43 2 6 43 2	23 29 23 29 23 29 23 29 23 29 23 29 23 29	23 28 23 28 23 28 23 28 23 28 23 28 23 28	22 54 22 55 22 56 22 57 22 58 22 59	17 10 6 19 17 11 6 19 17 11 6 18 17 11 6 18 17 12 6 17 17 12 6 17
S 24 M25 T 26 W27 T 28 F 29 S 30 S 31	11 38 11 59 12 20 12 41 13 1 13 21 13 41 14s 1	22 18 2 3 19 56 3 2 16 36 4 1 12 25 4 4 7 30 5 2 5 5	7 20 3 2 9 20 30 3 3 20 55 3 5 21 19 3 3 21 43 3 5 22 5	2 0 24 17 2 5 24 29 2 10 24 40 2 15 24 51 2 19 25 1 2 23 25 10 2 27 25 18 2 s31 25 s26	2 4 7 3 2 6 7 3 2 9 7 2 11 7 2 14 7 2 2 16 7 2 2 18 7 1 2 \$\cdot 2\$ 2 2 0 7 n1	2 1 47 8 1 43 5 1 39 3 1 35 0 1 31 8 1 27	21 30 21 29 21 29 21 28 21 28 21 28 21 28 21 28 21 28	0 10 0 10 0 10 0 10 0 10 0 10 0 11 0 11	17 8 17 8 17 8 17 8 17 7	1 23 1 23 1 23 1 22 1 22 1 22	22 55 22 54 22 54 22 54 22 54 22 54	0 3 0 3 0 3 0 3 0 3 0 3	4 38 1 11 4 37 1 11 4 36 1 11 4 36 1 11 4 35 1 11 4 34 1 11 4 34 1 12 4n33 1n12	3 13 10 3 13 10 3 13 10 3 14 10 3 14 10 2 3 14 10	6 43 2 6 43 2 6 43 2 6 43 2 6 43 2 6 43 2	23 29 23 29 23 29 23 29 23 29 23 29 23 29	23 28 23 28 23 28 23 28 23 28 23 28 23 28	23 2 23 3 23 4 23 5 23 6 23 7	17 13 6 16 17 13 6 16 17 14 6 15 17 14 6 15 17 14 6 15 17 15 6 14 17 15 6 14 17 15 6 614

Julian Day Number = 2309373.5, Delta T = 75.85 sec Ecliptic obliquity = 23°29'24, Nutation = -0°00'18, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°18'28, Lahiri = 18°25'28Greg. Calendar

NOVEMBER 1610 GC 00:00 UT

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M 1	2 40 13	8M25'35	5 8 6	0 ∡ 14	21 ~ 5	21°R38	249528	16≈55	16°R57	21 m/20	2°R50	0°R34	1957	28 × 15	1 ප 34	M 1
T 2	2 44 9	9°25'48	19°48	1°28	22°15	21 Y 24	24°30	16°56	16 II 55	21°22	2 8 49	0927	1°54	28°22	1°39	T 2
W 3	2 48 6	10°26'04	4 Ⅱ 38	2°40	23°25	21°10	24°32	16°57	16°53	21°23	2°48	0°22	1°50	28°29	1°43	W 3
T 4	2 52 2	11°26'21	19°26	3°50	24°35	20°57	24°33	16°59	16°51	21°25	2°46	0°20	1°47	28°35	1°48	T 4
F 5	2 55 59	12°26'40	495 6	4°58	25°45	20°45	24°35	17° 0	16°49	21°26	2°45	0°D19	1°44	28°42	1°52	F 5
S 6	2 59 55	13°27'01	18°32	6° 4	26°55	20°33	24°36	17° 2	16°47	21°28	2°44	0°20	1°41	28°49	1°57	S 6
S 7	3 3 52	14°27'24	2 Ω 43	7° 6	28° 5	20°22	24°37	17° 3	16°45	21°30	2°43	0°21	1°38	28°55	2° 2	S 7
M 8	3 7 49	15°27'49	16°37	8° 6	29°14	20°12	24°38	17° 5	16°43	21°31	2°42	0°R22	1°34	29° 2	2° 6	M 8
T 9	3 11 45	16°28'16	0 m 15	9° 2	0 궁 24	20° 3	24°38	17° 7	16°41	21°32	2°41	0°21	1°31	29° 8	2°11	T 9
W10	3 15 42	17°28'45	13°36	9°54	1°33	19°54	24°38	17° 9	16°39	21°34	2°40	0°18	1°28	29°15	2°16	W10
T 11	3 19 38	18°29'15	26°43	10°42	2°42	19°46	24°R39	17°11	16°37	21°35	2°39	0°13	1°25	29°22	2°21	T 11
F 12	3 23 35	19°29'47	9 ≏ 36	11°24	3°52	19°39	24°39	17°13	16°35	21°37	2°38	0° 7	1°22	29°28	2°26	F 12
S 13	3 27 31	20°30'22	22°17	12° 1	5° 1	19°33	24°38	17°15	16°33	21°38	2°37	29耳59	1°19	29°35	2°31	S 13
S 14	3 31 28	21°30'57	4 M .45	12°31	6°10	19°28	24°38	17°18	16°30	21°39	2°36	29°52	1°15	29°42	2°36	S 14
M15	3 35 24	22°31'35	17° 3	12°54	7°18	19°23	24°37	17°20	16°28	21°41	2°34	29°45	1°12	29°48	2°41	M15
T 16	3 39 21	23°32'14	29°11	13°10	8°27	19°20	24°37	17°22	16°26	21°42	2°33	29°40	1° 9	29°55	2°46	T 16
W17	3 43 18	24°32'54	11 ~ 9	13°R16	9°36	19°17	24°36	17°25	16°24	21°43	2°32	29°36	1° 6	0중 2	2°51	W17
T 18	3 47 14	25°33'36	23° 1	13°13	10°44	19°15	24°34	17°28	16°21	21°44	2°31	29°35	1° 3	0° 8	2°56	T 18
F 19	3 51 11	26°34'19	4 ⋜ 48	13° 1	11°52	19°14	24°33	17°31	16°19	21°46	2°30	29°D34	1° 0	0°15	3° 2	F 19
S 20	3 55 7	27°35'03	16°34	12°37	13° 0	19°D13	24°31	17°34	16°17	21°47	2°29	29°36	0°56	0°22	3° 7	S 20
S 21	3 59 4	28°35'49	28°22	12° 3	14° 8	19°14	24°29	17°37	16°14	21°48	2°28	29°37	0°53	0°28	3°12	S 21
M22	4 3 0	29°36'35	10≈17	11°18	15°16	19°15	24°27	17°40	16°12	21°49	2°27	29°39	0°50	0°35	3°18	M22
T 23	4 6 57	0 ₮ 37'23	22°24	10°23	16°24	19°17	24°25	17°43	16° 9	21°50	2°26	29°40	0°47	0°42	3°23	T 23
W24	4 10 53	1°38'11	4) €48	9°18	17°31	19°20	24°23	17°46	16° 7	21°51	2°25	29°R41	0°44	0°48	3°28	W24
T 25	4 14 50	2°39'01	17°33	8° 5	18°38	19°23	24°20	17°50	16° 4	21°52	2°24	29°40	0°40	0°55	3°34	T 25
F 26	4 18 47	3°39'51	0 Υ 44	6°46	19°46	19°28	24°17	17°53	16° 2	21°53	2°23	29°38	0°37	1° 1	3°39	F 26
S 27	4 22 43	4°40'42	14°22	5°24	20°52	19°33	24°14	17°57	15°59	21°54	2°22	29°34	0°34	1° 8	3°45	S 27
S 28	4 26 40	5°41'34	28°28	4° 2	21°59	19°38	24°11	18° 0	15°57	21°55	2°22	29°31	0°31	1°15	3°50	S 28
M29	4 30 36	6°42'27	138 1	2°41	23° 6	19°45	24° 8	18° 4	15°54	21°56	2°21	29°27	0°28	1°21	3°56	M29
T 30	4 34 33	7 ₹ 43'21	27 8 54	1 ~ 25	24 궁 12	19 Y 52	2495 4	18∞ 8	15 Ⅱ 52	21 m 57	2820	29Ⅲ25	09525	1 云 28	4 궁 2	T 30

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F 12	17 39	0 52 5	5 24 4	0 2 3	0 26 5	2 39	7 6	0 39	21 27	0 13	17 0	1 21	22 51	0 3	4 26	1 12	3 18 16	42 2	3 29	23 29	23 19	17 18	6 10
S 13	17 55	4s15 4	47 24 4	0 2 2	5 26 3	2 40	7 7	0 36	21 27	0 13	16 59	1 21	22 51	0 3	4 26	1 12	3 18 16	41 2	3 29	23 29	23 20	17 18	6 10
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M15	18 26	13 35 3	31 24 3	3 2 1	1 25 58	2 41	7 9	0 30	21 28	0 13	16 58	1 21	22 51	0 3	4 25	1 12	3 19 16	41 2	3 29	23 29	23 22	17 19	6 9
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W17	18 57	20 32 1	39 24 1	7 1 5	1 25 51	2 42	7 12	0 23	21 28	0 13	16 56	1 21	22 50	0 3	4 24	1 12	3 19 16	41 2	3 29	23 29	23 24	17 19	6 9
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M22	20 7	20 59 3	25 22 4	7 0 3	6 25 19	2 43	7 25	0 8	21 30	0 14	16 51	1 21	22 49	0 3	4 22	1 12	3 20 16	40 2	3 29	23 29	23 28	17 20	6 7
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T 25	20 44	9 39 5	8 21 1	9 0 2	3 24 52	2 42	7 36	0 0	21 32	0 15	16 48	1 21	22 48	0 3	4 21	1 13	3 20 16	40 2	3 29	23 29	23 30	17 20	6 7
	20 56	4 31 5	15 20 4	6 0 4	3 24 42	2 41	7 40	0n 2	21 33	0 15	16 47	1 20	22 48	0 3	4 20	1 13	3 21 16	39 2	3 29	23 29	23 31	17 20	6 7
S 27	21 7	1n 0 5	4 20 1	2 1	4 24 31	2 41	7 44	0 5	21 34	0 15	16 46	1 20	22 48	0 3	4 20	1 13	3 21 16	39 2	3 29	23 29	23 32	17 20	6 6
S 28	21 18	6 39 4	36 19 3	9 1 2	3 24 19	2 40	7 49	0 8	21 34	0 15	16 44	1 20	22 48	0 3	4 20	1 13	3 21 16	39 2	3 29	23 29	23 33	17 20	6 6
M29	21 29	12 9 3	49 19	6 1 4	0 24 7	2 39	7 54	0 10	21 35		16 43	1 20	22 47	0 3	4 19	1 13	3 21 16	39 2	3 29	23 29	23 34	17 20	6 6
T 30	21 s39	17n 3 2	s45 18 s3	5 1n5	6 23 s54	2 s 3 7	7n59	0n12	21n36	0n16	16 s42	1 s20	22n47	0n 3	4n19	1n13	3 s21 16	s38 2	3n29	23n29	23 s35	17s20	6n 6

 $\label{eq:Julian Day Number = 2309404.5, Delta T = 75.75 sec} \\ Ecliptic obliquity = 23°29'24, Nutation = -0°00'19, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = 19°18'32, Lahiri = 18°25'32Greg. Calendar \\ \\$

DECEMBER 1610 GC 00:00 UT

Day	Sid.t	0	D	ğ	ρ	ð	4	ħ)∤(¥	Р	N.	ß	Ç	ķ	Day
W 1	4 38 29	8 ∡ 744'16	12 II 59	0°R16	25 궁 18	20Υ 0	24°R 1	18≈12	15°R49	21 m/57	2°R19	29°R23	0921	1 る 35	4궁 7	W 1
T 2	4 42 26	9°45'12	28° 8	29 M 17	26°24	20° 9	23957	18°16	15 Ⅱ 47	21°58	2 8 18	29°D22	0°18	1°41	4°13	T 2
F 3	4 46 22	10°46'09	139512	28°27	27°29	20°18	23°53	18°20	15°44	21°59	2°17	29∏23	0°15	1°48	4°19	F 3
S 4	4 50 19	11°47'07	28° 1	27°49	28°35	20°28	23°48	18°24	15°42	22° 0	2°16	29°24	0°12	1°55	4°24	S 4
S 5	4 54 16	12°48'07	12 Q 31	27°22	29°40	20°38	23°44	18°28	15°39	22° 0	2°15	29°25	0° 9	2° 1	4°30	S 5
M 6	4 58 12	13°49'07	26°37	27° 6	0≈45	20°50	23°39	18°32	15°37	22° 1	2°15	29°26	0° 6	2° 8	4°36	M 6
T 7	5 2 9	14°50'08	10 m 20	27°D 1	1°49	21° 1	23°35	18°37	15°34	22° 2	2°14	29°R27	0° 2	2°15	4°42	T 7
W 8	5 6 5	15°51'11	23°40	27° 6	2°53	21°14	23°30	18°41	15°32	22° 2	2°13	29°27	29Ⅲ59	2°21	4°47	W 8
T 9	5 10 2	16°52'14	6 ₽ 39	27°21	3°57	21°27	23°24	18°46	15°29	22° 3	2°12	29°26	29°56	2°28	4°53	T 9
F 10	5 13 58	17°53'19	19°20	27°44	5° 1	21°40	23°19	18°50	15°26	22° 3	2°12	29°25	29°53	2°34	4°59	F 10
S 11	5 17 55	18°54'24	1 M .46	28°15	6° 4	21°54	23°14	18°55	15°24	22° 4	2°11	29°23	29°50	2°41	5° 5	S 11
S 12	5 21 51	19°55'31	14° 0	28°52	7° 7	22° 9	23° 8	19° 0	15°21	22° 4	2°10	29°22	29°46	2°48	5°11	S 12
M13	5 25 48	20°56'38	26° 3	29°36	8°10	22°24	23° 2	19° 5	15°19	22° 5	2° 9	29°20	29°43	2°54	5°17	M13
T 14	5 29 45	21°57'46	8 × 7 0	0 х 26	9°13	22°40	22°56	19°10	15°16	22° 5	2° 9	29°19	29°40	3° 1	5°23	T 14
W15	5 33 41	22°58'54	19°51	1°20	10°15	22°56	22°50	19°15	15°14	22° 5	2° 8	29°19	29°37	3° 8	5°29	W15
T 16	5 37 38	24° 0'03	1 る 39	2°18	11°16	23°13	22°44	19°20	15°11	22° 6	2° 7	29°D19	29°34	3°14	5°35	T 16
F 17	5 41 34	25° 1'13	13°26	3°21	12°18	23°31	22°38	19°25	15° 9	22° 6	2° 7	29°19	29°31	3°21	5°41	F 17
S 18	5 45 31	26° 2'23	25°14	4°26	13°19	23°48	22°31	19°30	15° 6	22° 6	2° 6	29°19	29°27	3°28	5°47	S 18
S 19	5 49 27	27° 3'33	7≈ 6	5°35	14°19	24° 7	22°25	19°35	15° 4	22° 6	2° 6	29°20	29°24	3°34	5°53	S 19
M20	5 53 24	28° 4'43	19° 5	6°46	15°19	24°25	22°18	19°41	15° 1	22° 7	2° 5	29°20	29°21	3°41	5°59	M20
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W22	6 1 17	0중 7'03	13°37	9°14	17°18	25° 4	22° 4	19°52	14°56	22° 7	2° 4	29°20	29°15	3°54	6°10	W22
T 23	6 5 14	1° 8'13	26°17	10°31	18°17	25°24	21°57	19°57	14°54	22° 7	2° 3	29°D20	29°12	4° 1	6°17	T 23
F 24	6 9 10	2° 9'23	9 Υ 20	11°49	19°15	25°45	21°50	20° 3	14°51	22°R 7	2° 3	29°20	29° 8	4° 8	6°23	F 24
S 25	6 13 7	3°10'33	22°47	13° 9	20°12	26° 6	21°43	20° 8	14°49	22° 7	2° 2	29°20	29° 5	4°14	6°29	S 25
S 26	6 17 3	4°11'43	6 8 41	14°30	21° 9	26°27	21°35	20°14	14°47	22° 7	2° 2	29°20	29° 2	4°21	6°35	S 26
M27	6 21 0	5°12'53	21° 1	15°52	22° 6	26°49	21°28	20°20	14°44	22° 7	2° 2	29°21	28°59	4°27	6°41	M27
T 28	6 24 56	6°14'02	5 Ⅱ 45	17°16	23° 2	27°11	21°20	20°26	14°42	22° 7	2° 1	29°22	28°56	4°34	6°47	T 28
W29	6 28 53	7°15'12	20°48	18°40	23°57	27°33	21°13	20°32	14°40	22° 7	2° 1	29°22	28°52	4°41	6°53	W29
T 30	6 32 50	8°16'21	695 2	20° 5	24°52	27°56	21° 5	20°38	14°37	22° 6	2° 0	29°R22	28°49	4°47	6°59	T 30
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S 11 S 12 M13 T 14 W15 T 16 F 17 S 18	23 15 23 18 23 21 23 24	12 28 3 46 16 29 2 55 19 47 1 56 22 14 0 52 23 42 0s13 24 6 1 18	17 57 2 18 14 3 18 33	2 35 20 2 2 30 20 2 24 20 2 17 19 2 2 10 19 2 3 18	39 2 11 9 2 8 0 2 5 39 2 1 9 1 58 58 1 54	9 6 9 13 9 20 9 28 9 35 9 43 9 51 9 59	0 37 0 39 0 40 0 42 0 43 0 45	21 46 21 48 21 49 21 50 21 51 21 52 21 53 21 55	0 18 0 18 0 18 0 18 0 18 0 19	16 24 16 22 16 20 16 19	1 20 1 20 1 20 1 19 1 19 1 19	22 44 22 43 22 43	0 3 0 3 0 3 0 3 0 3 0 3	4 17 4 16 4 16 4 16 4 16 4 16 4 16 4 16	1 13 1 13 1 13 1 14 1 14 1 14 1 14 1 14	3 21 16 3 3 21 16 3 3 21 16 3 3 21 16 3 3 21 16 3	6 23 29 5 23 29 5 23 29 5 23 29 5 23 29 4 23 29 4 23 29 4 23 29	23 29 23 29 23 29 23 29 23 29 23 29	23 44 23 45 23 45 23 46 23 47 23 48	17 19 17 19 17 19 17 18 17 18 17 18	6 5 6 5 6 5 6 4 6 4 6 4
S 19 M20 T 21 W22 T 23 F 24 S 25	23 27 23 29 23 29 23 29 23 29 23 28 23 27	18 59 4 3 15 26 4 4 11 10 5 6 6 20 5 18 1 6 5 13	20 11 20 31 20 50	1 7 16	53 1 41 51 1 36 8 1 31 45 1 26 22 1 21	10 7 10 15 10 23 10 32 10 41 10 49 10 58	0 49	22 1 22 2	0 19 0 19 0 19 0 19 0 20 0 20 0 20	16 10 16 8 16 7 16 5	1 19 1 19 1 19 1 19	22 42 22 42 22 41 22 41 22 41	0 3	4 16 4 16 4 16 4 16 4 16 4 16 4 16	1 14 1 14 1 14 1 14 1 14 1 14 1 14	3 21 16 3 3 21 16 3 3 20 16 3 3 20 16 3 3 20 16 3	3 23 29 3 23 29 3 23 29 3 23 29 2 23 29 2 23 29 2 23 29 2 23 29	23 29 23 29 23 29 23 29 23 29	23 50 23 50 23 51 23 52 23 52	17 17 17 17 17 17 17 17 17 16	
S 26 M27 T 28 W29 T 30 F 31		14 52 3 18 19 13 2 8 22 23 0 43 23 58 0n3	22 18	0 42 15 0 34 14 4 0 26 14 1 0 19 13	11 1 5 17 0 59 23 0 52 59 0 46	11 7 11 16 11 25 11 34 11 43 11n53		22 6	0 20 0 20 0 20 0 21	15 59 15 57 15 56	1 19 1 19 1 19 1 19	22 40 22 40 22 40	0 3 0 3 0 3 0 3	4 16 4 16 4 16 4 16 4 17 4n17	1 14 1 14 1 14 1 14 1 14 1 n14		1 23 29 1 23 29 0 23 29 0 23 29	23 29 23 29 23 29 23 29	23 54 23 55 23 56 23 56	17 15 17 15 17 15 17 14	6 4 6 5 6 5 6 5

Julian Day Number = 2309434.5, Delta T = 75.67 sec Ecliptic obliquity = $23^{\circ}29'23$, Nutation = - $0^{\circ}00'18$, out-of-bounds declination in red Ayanamsha: Fagan/Bradley = $19^{\circ}18'36$, Lahiri = $18^{\circ}25'36$ Greg. Calendar